

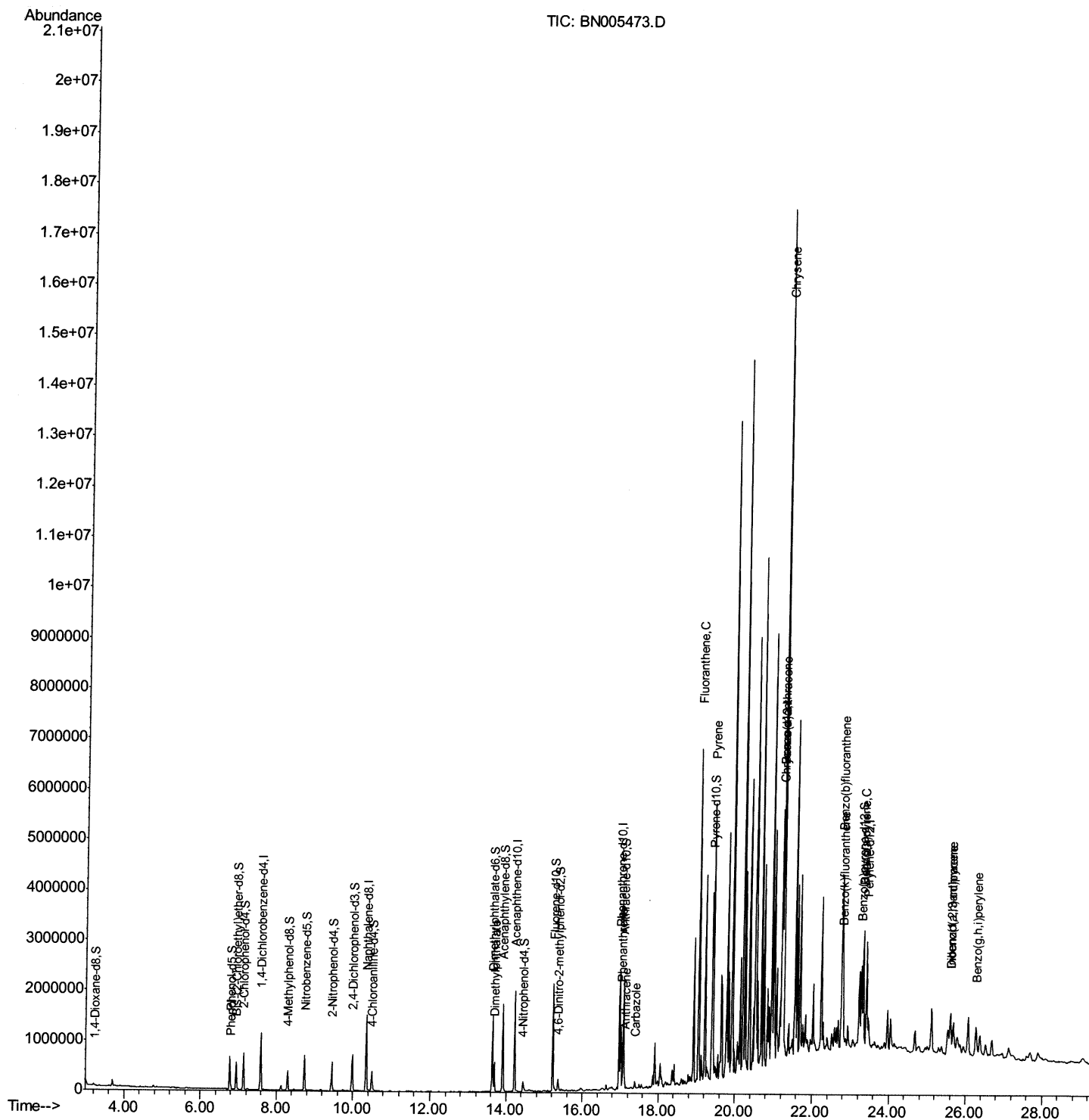
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:30:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

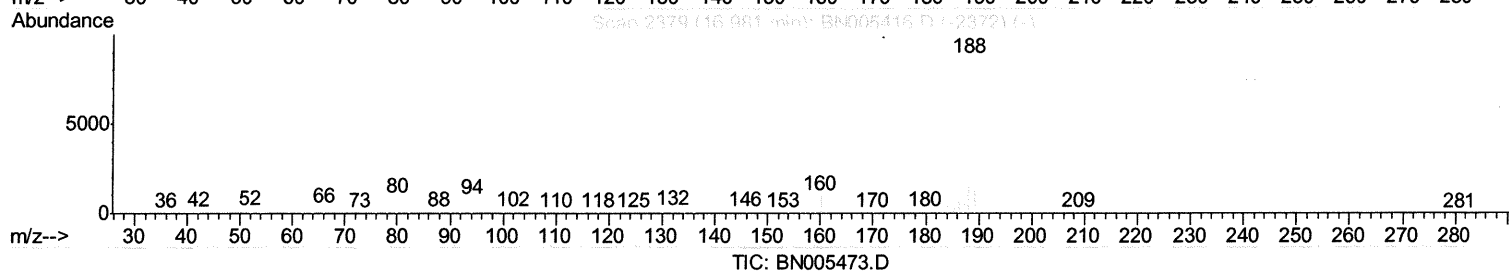
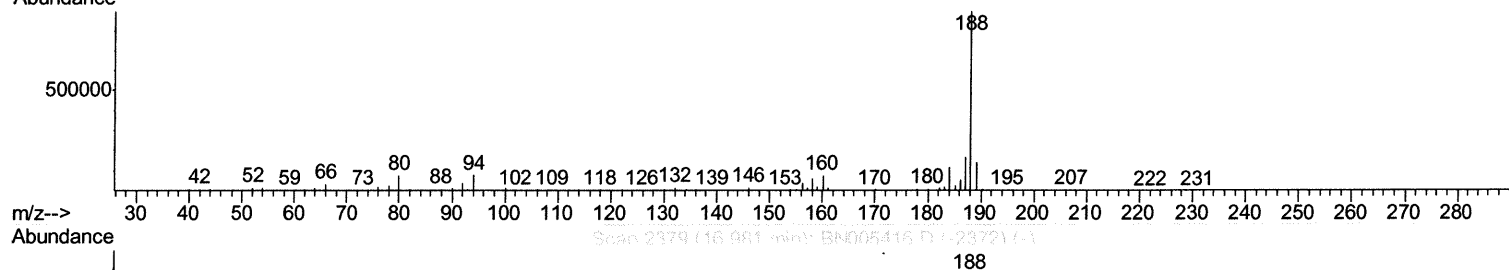
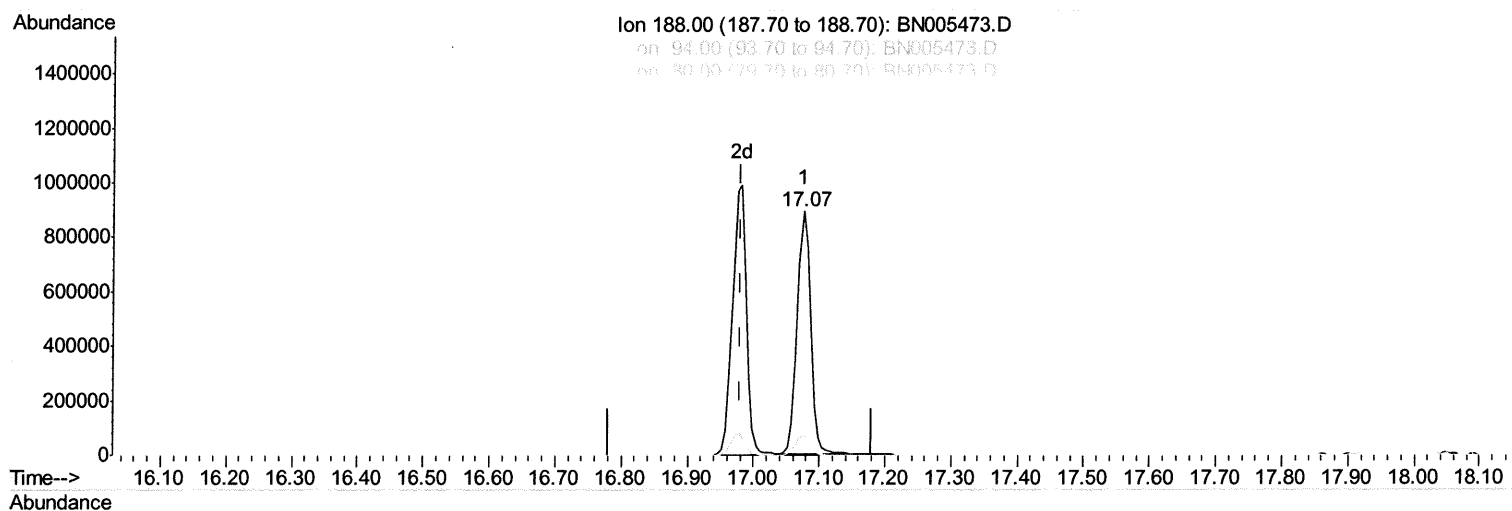
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

17.075min (+0.094) 20.00ng/ul

response 1264286

Ion	Exp%	Act%
188.00	100	100
94.00	9.20	8.75
80.00	10.30	8.39
0.00	0.00	0.00

Quantitation Report (Qedit)

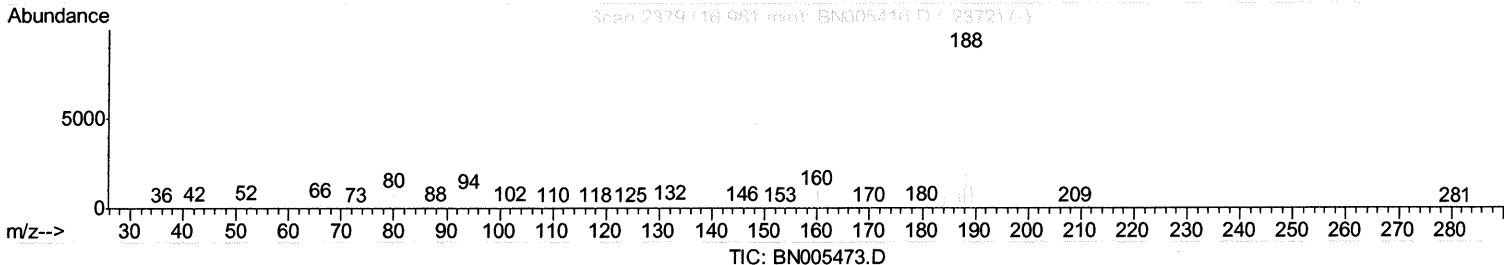
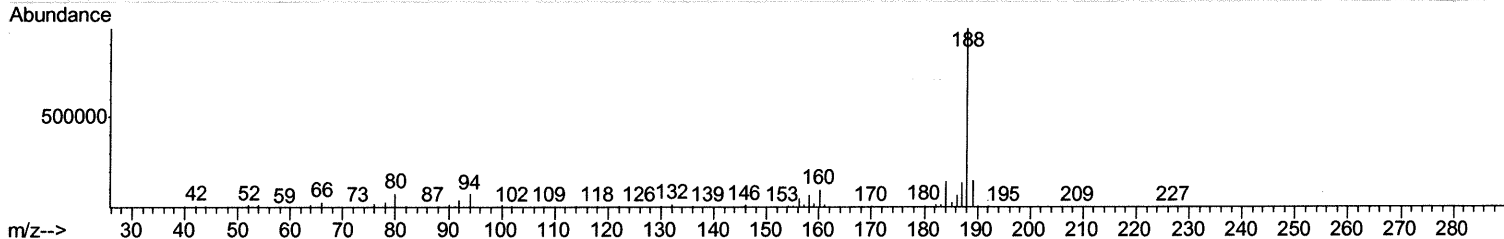
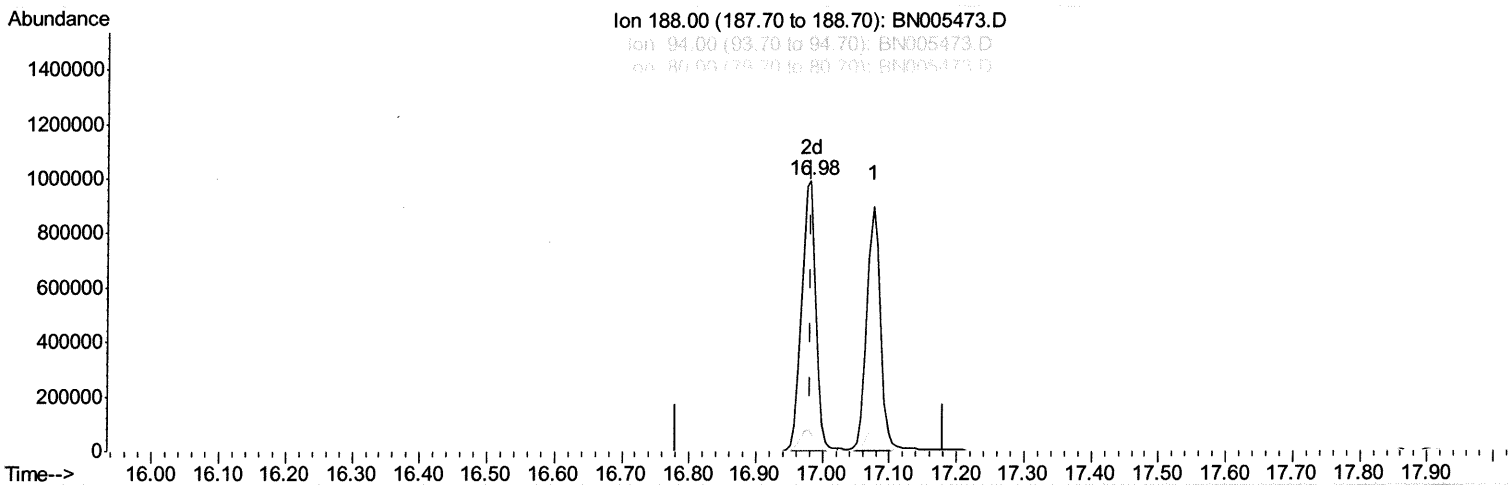
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(61) Phenanthrene-d10 (I)

16.981min (-0.000) 20.00ng/ul m

SJ 05/12/19

response 1461482

Ion	Exp%	Act%
188.00	100	100
94.00	9.20	7.34#
80.00	10.30	7.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

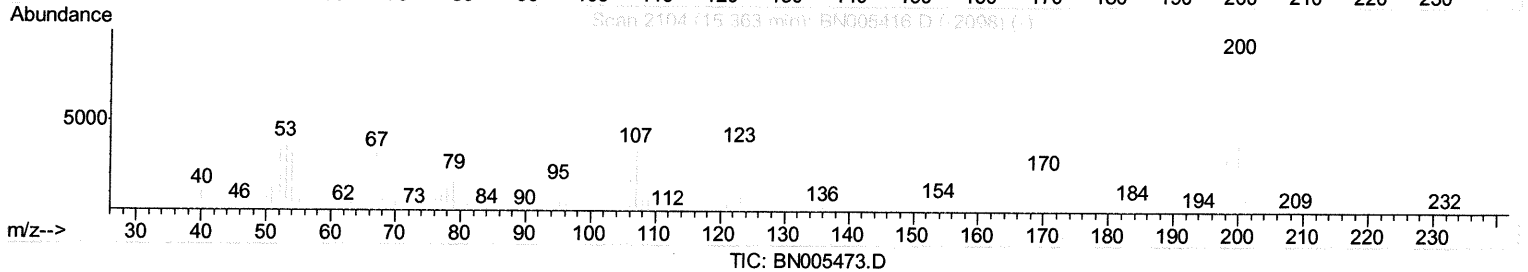
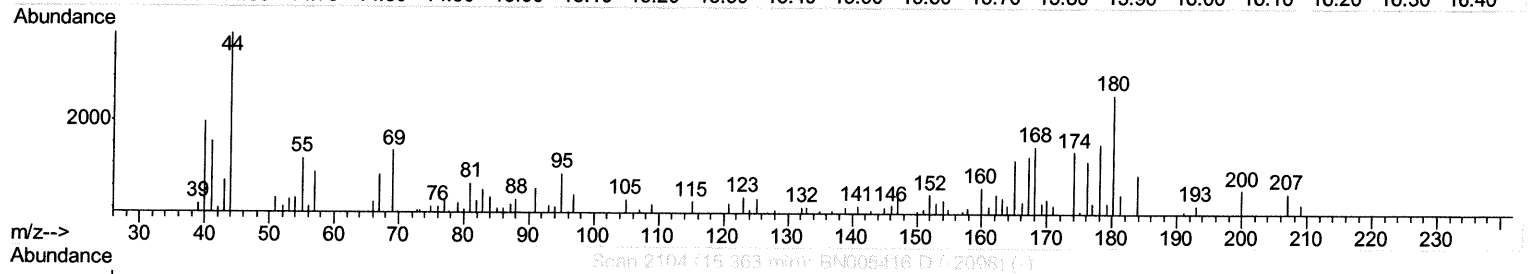
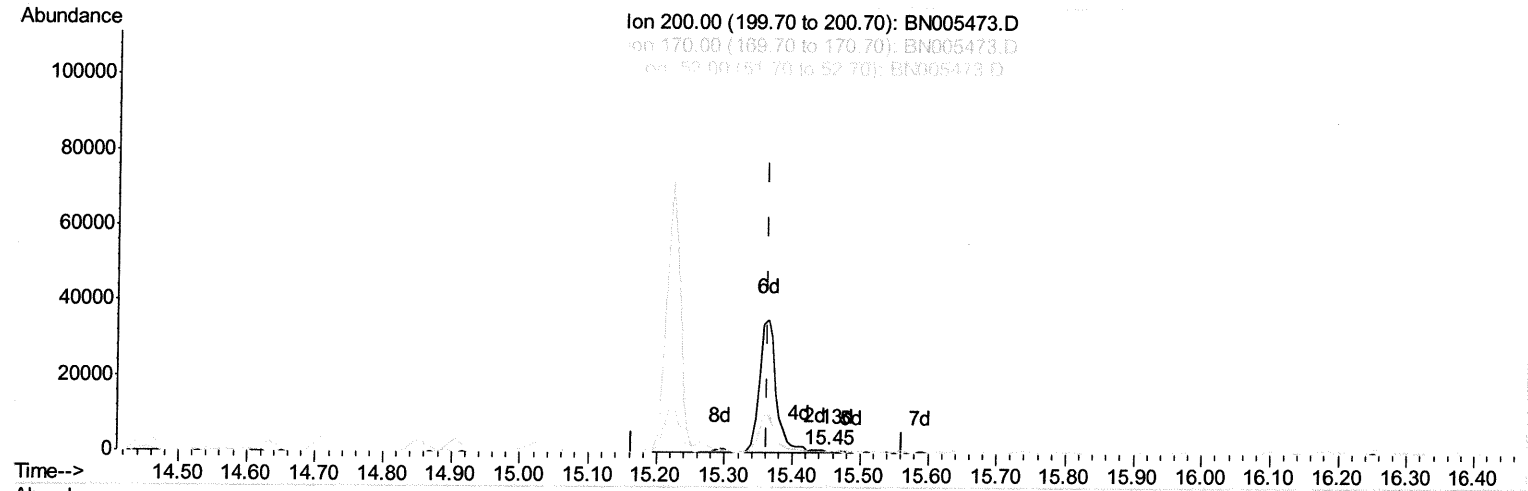
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.451min (+0.088) 0.09ng/ul

response 620

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	75.76#
52.00	49.60	56.82
0.00	0.00	0.00

Quantitation Report (Qedit)

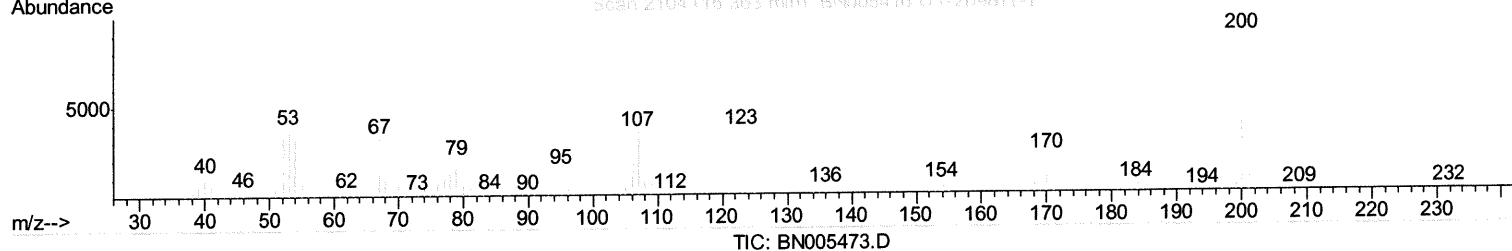
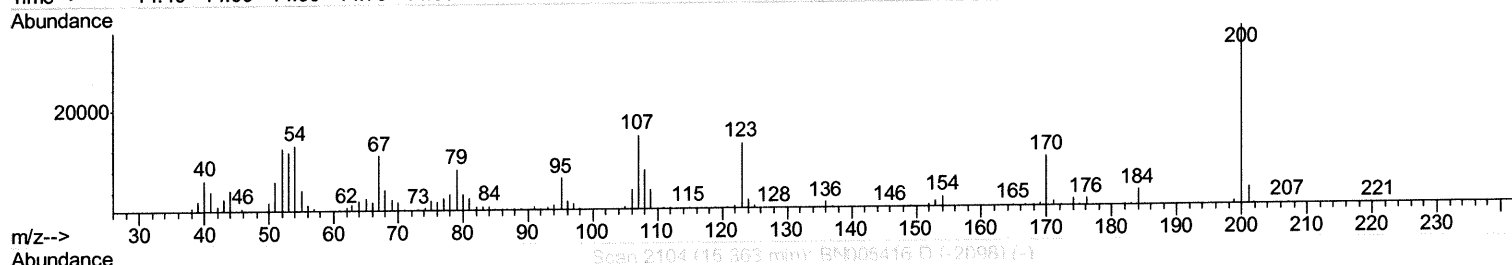
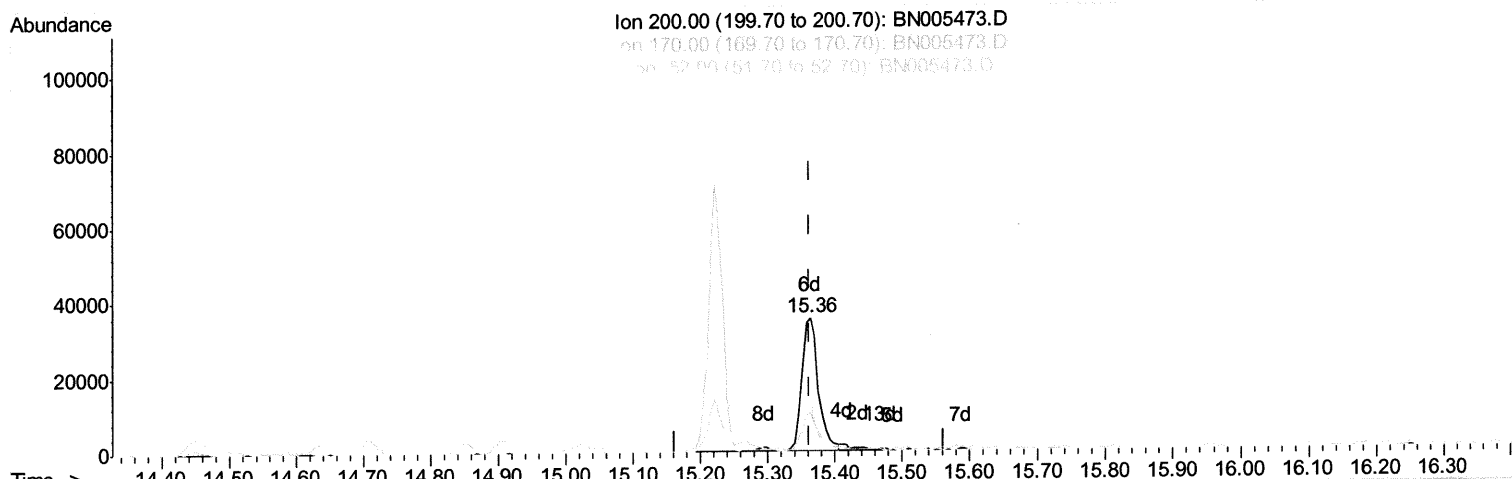
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.363min (0.000) 9.05ng/ul m

SJ 05/12/19

response 59496

Ion	Exp%	Act%
200.00	100	100
170.00	22.60	28.69#
52.00	49.60	35.25#
0.00	0.00	0.00

Quantitation Report (Qedit)

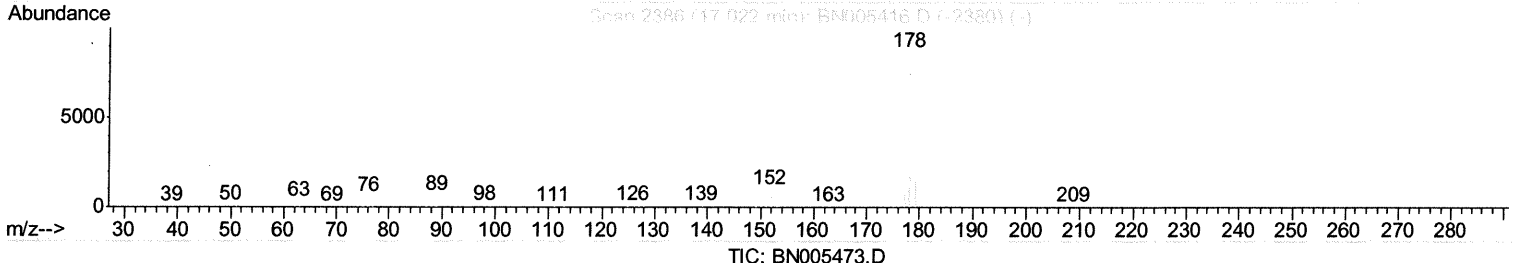
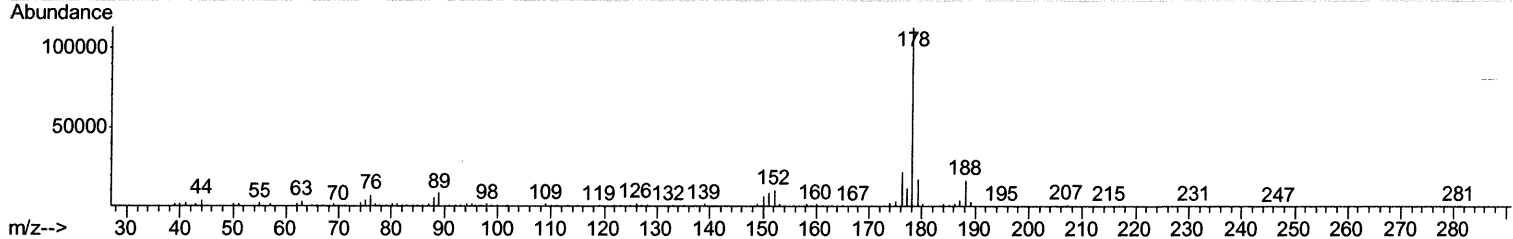
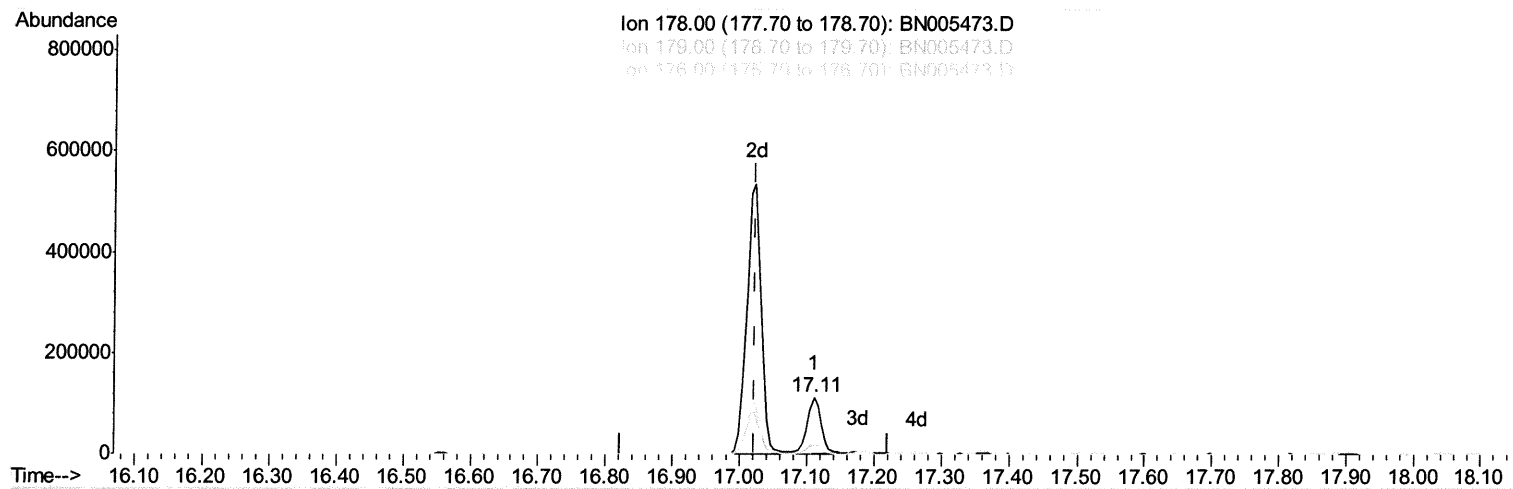
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(69) Phenanthrene

17.110min (+0.088) 2.25ng/ul

response 160011

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.59
176.00	18.90	19.36
0.00	0.00	0.00

Quantitation Report (Qedit)

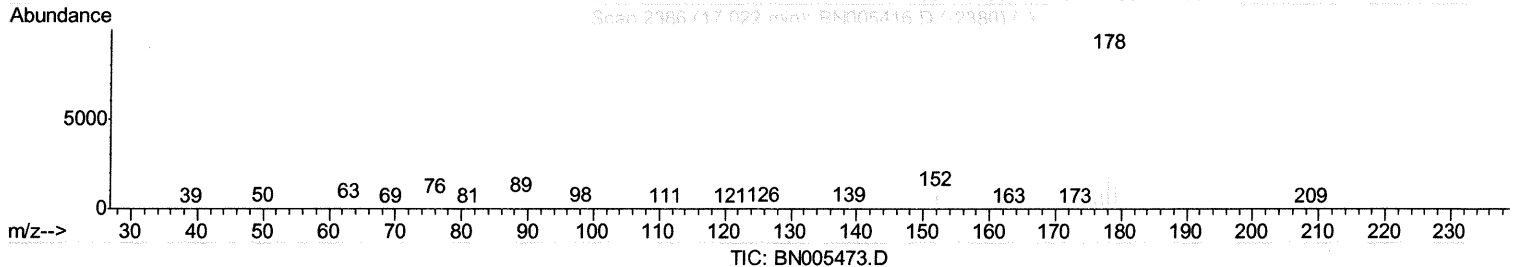
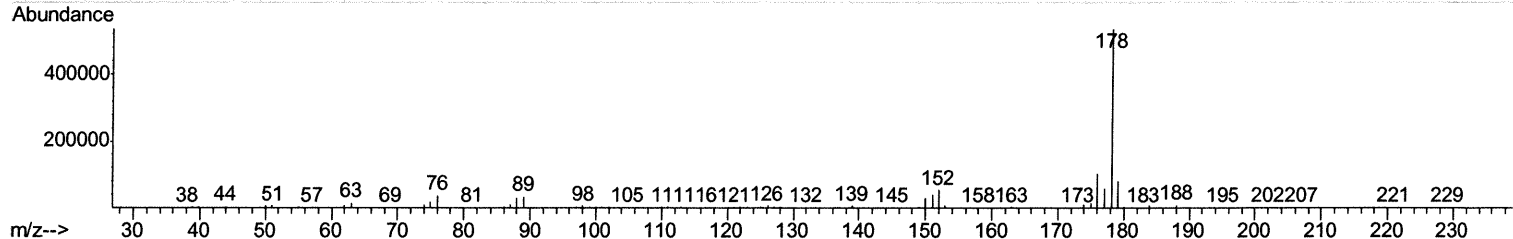
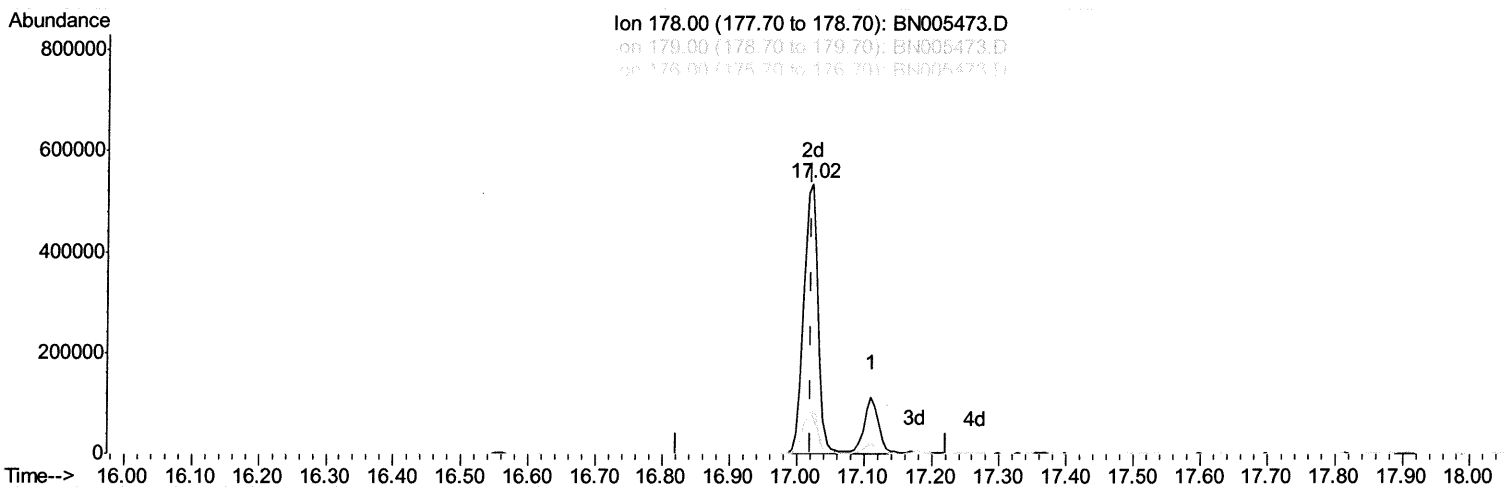
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(69) Phenanthrene

17.022min (0.000) 11.09ng/ul m

SJ 05/12/19

response 789132

Ion	Exp%	Act%
178.00	100	100
179.00	15.30	15.40
176.00	18.90	19.29
0.00	0.00	0.00

Quantitation Report (Qedit)

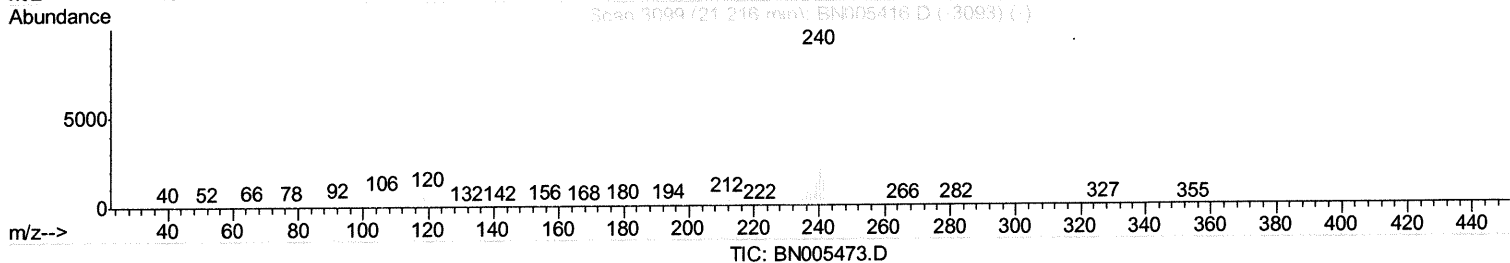
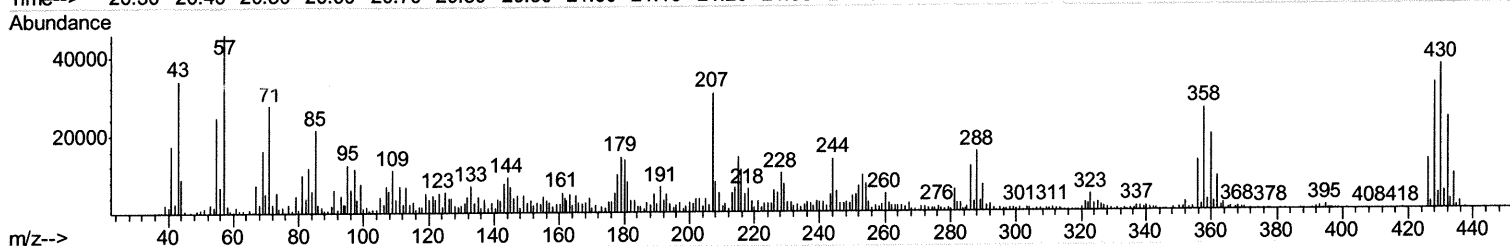
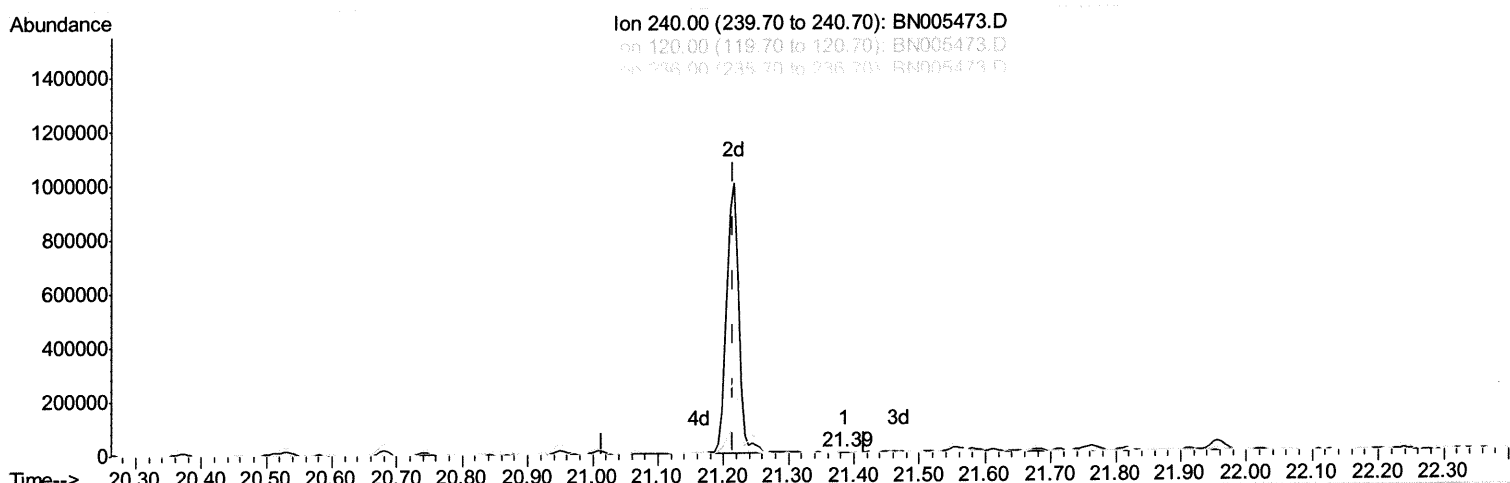
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 01:11:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(77) Chrysene-d12 (I)

21.386min (+0.171) 20.00ng/ul

response 1935

Ion	Exp%	Act%
240.00	100	100
120.00	10.90	129.34#
236.00	26.10	100.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

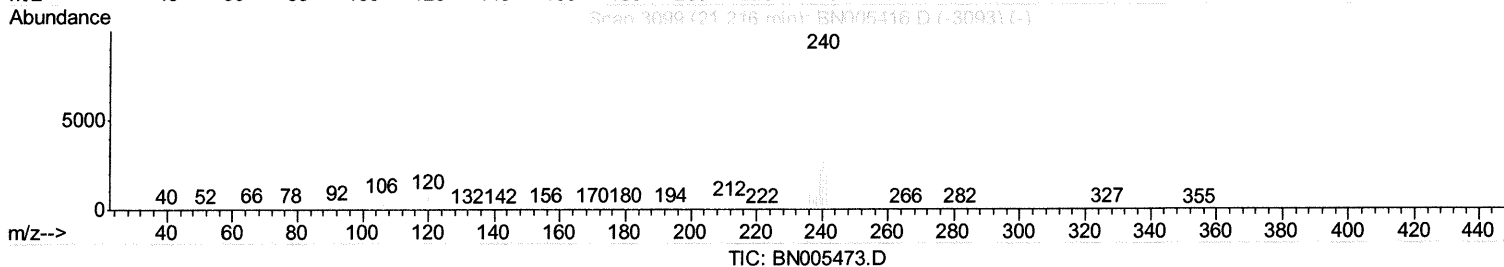
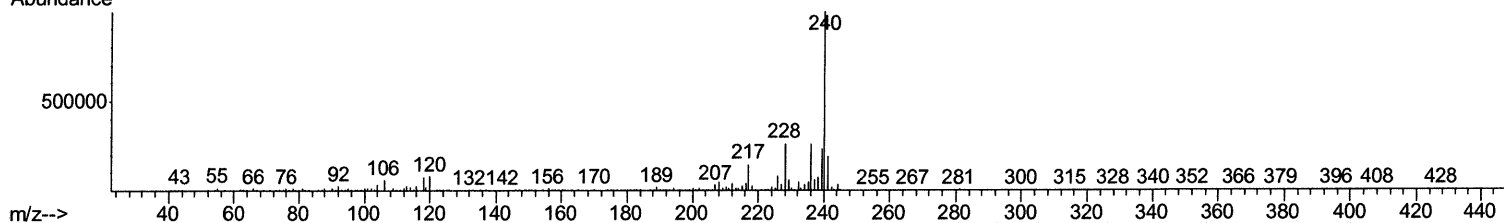
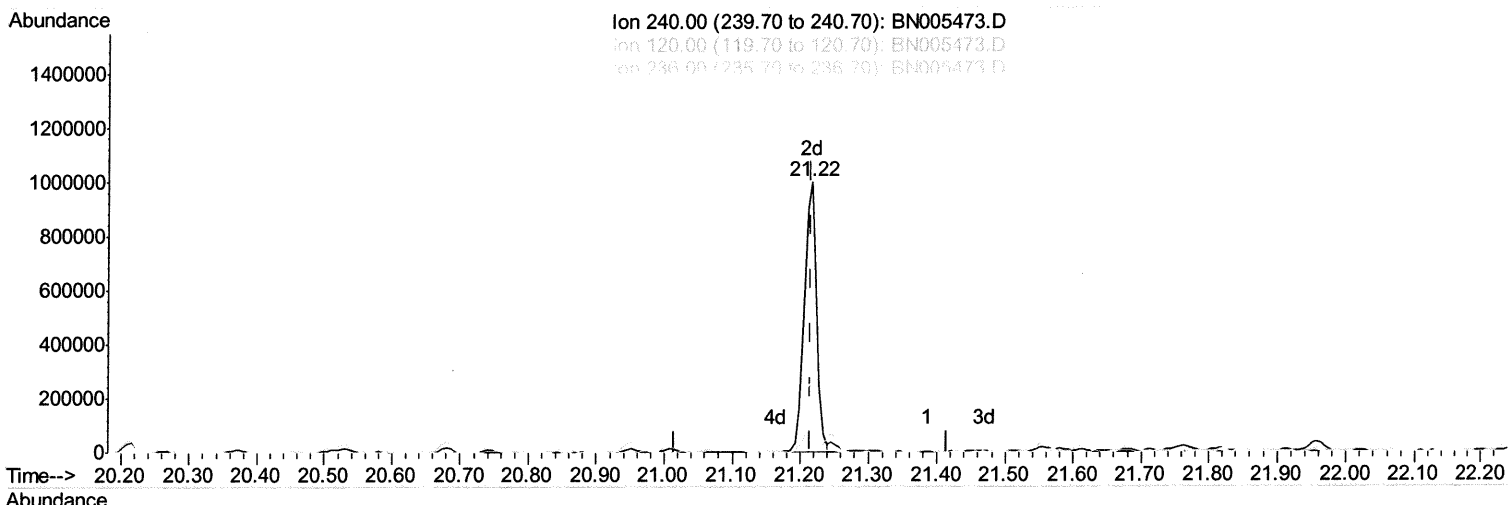
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



TIC: BN005473.D

(77) Chrysene-d12 (I)

21.216min (0.000) 20.00ng/ul m

SJ 05/12/19

response 1258719

Ion	Exp%	Act%
240.00	100	100
120.00	10.90	8.01#
236.00	26.10	26.19
0.00	0.00	0.00

Quantitation Report (Qedit)

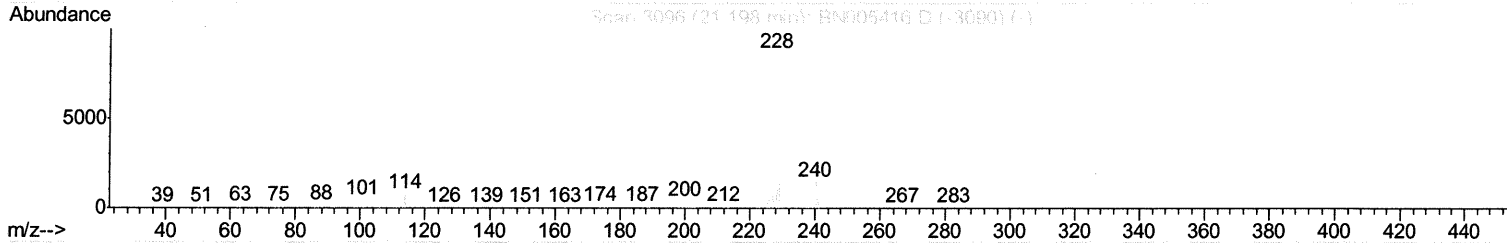
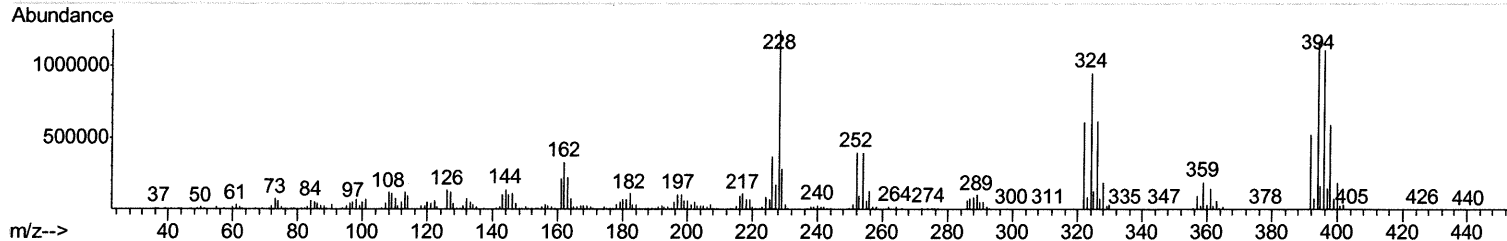
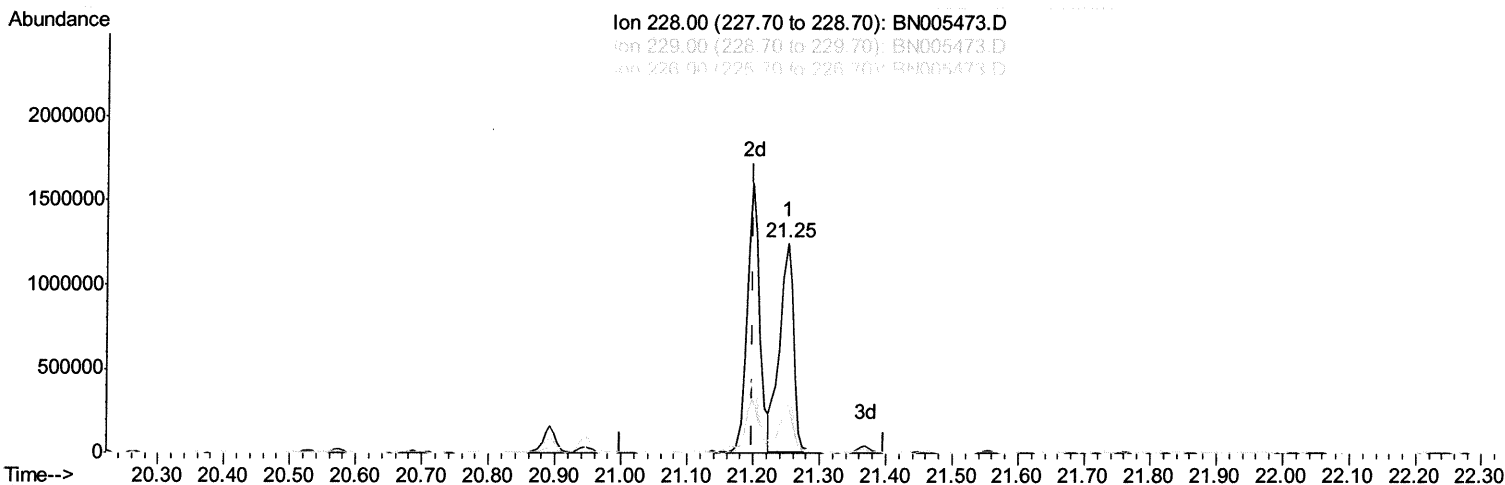
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



TIC: BN005473.D

(82) Benzo(a)anthracene

21.251min (+0.053) 23.43ng/ul

response 1834594

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	22.59
226.00	26.80	29.28
0.00	0.00	0.00

Quantitation Report (Qedit)

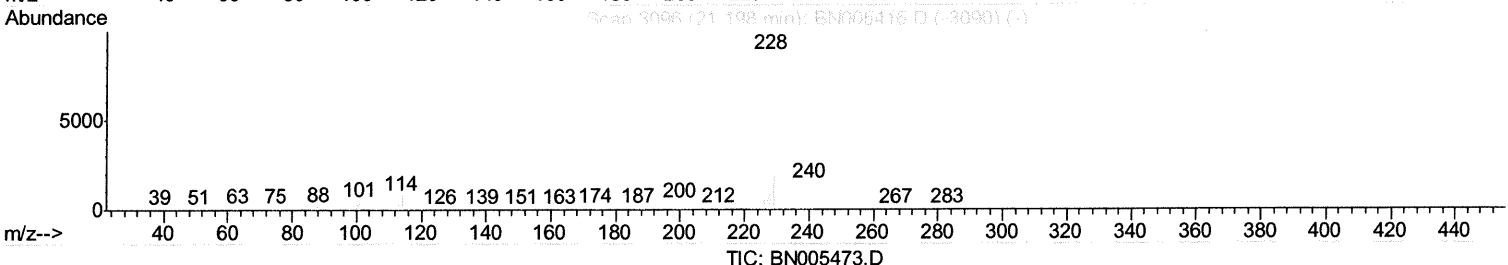
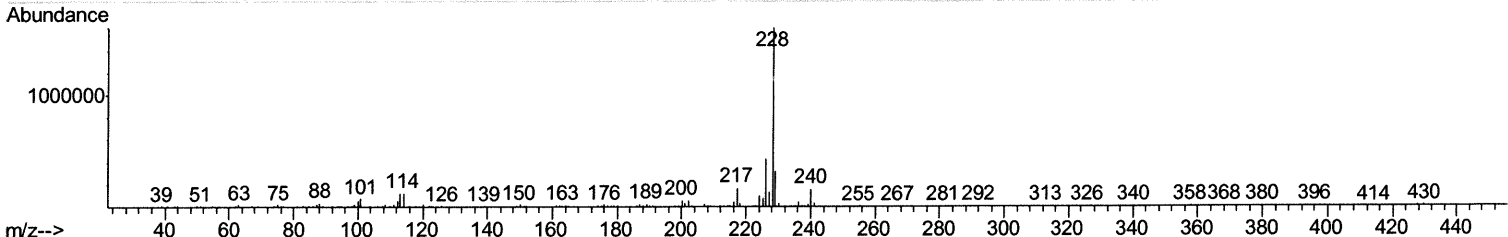
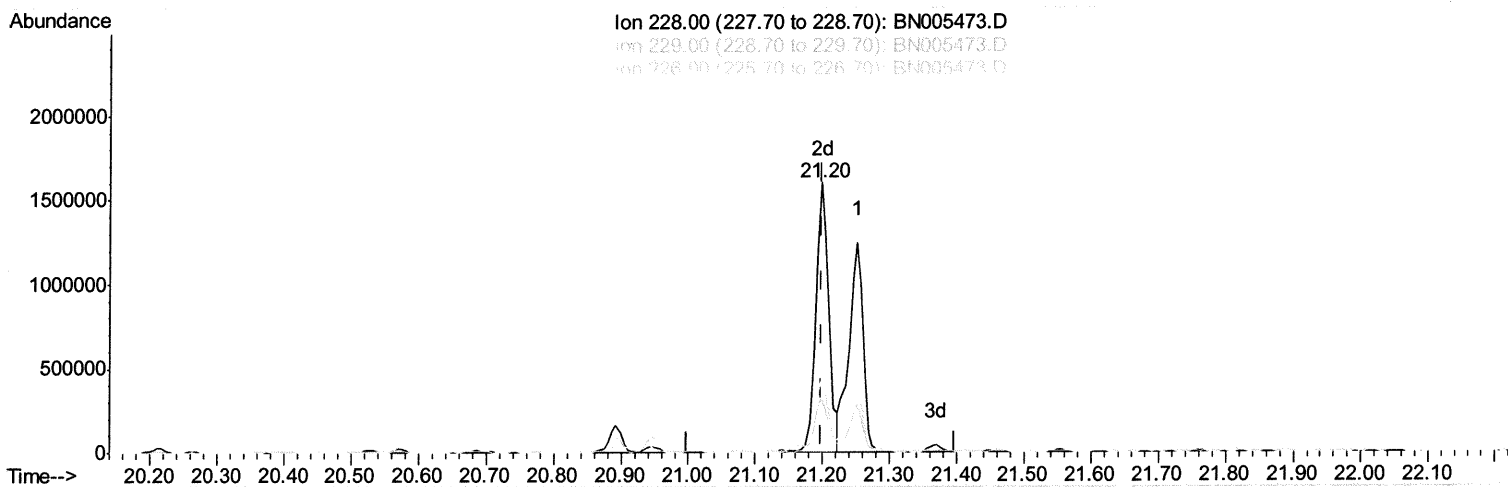
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.198min (0.000) 27.56ng/ul m *SJ 05/12/19*

response 2158290

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	19.98
226.00	26.80	27.04
0.00	0.00	0.00

Quantitation Report (Qedit)

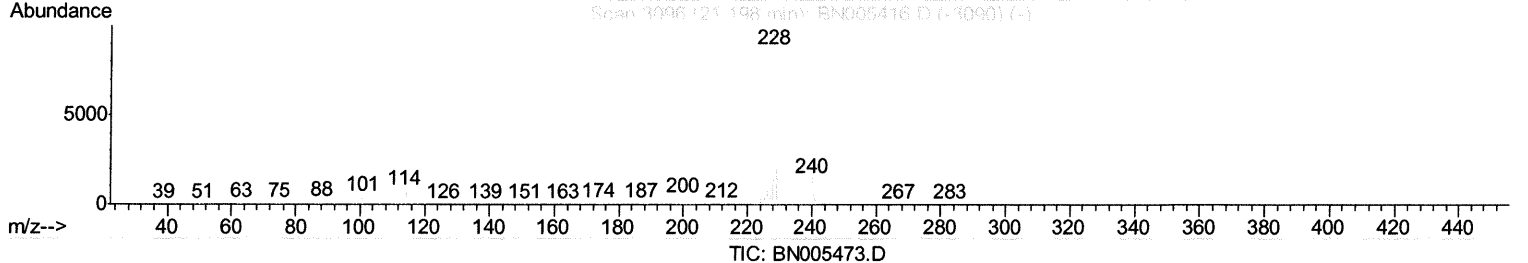
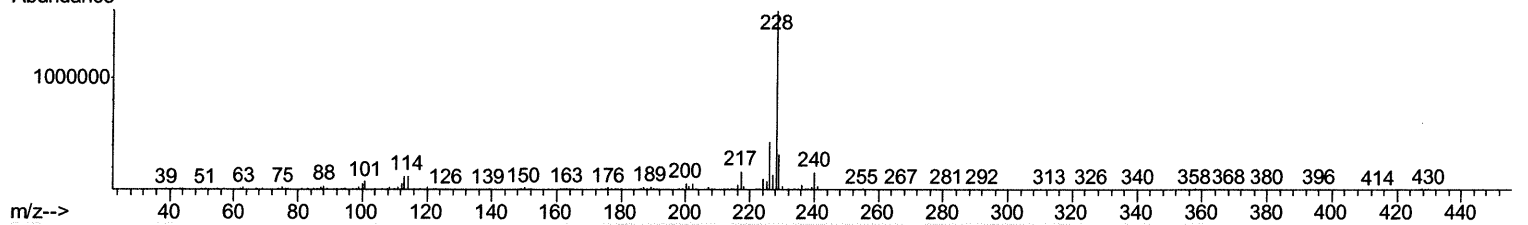
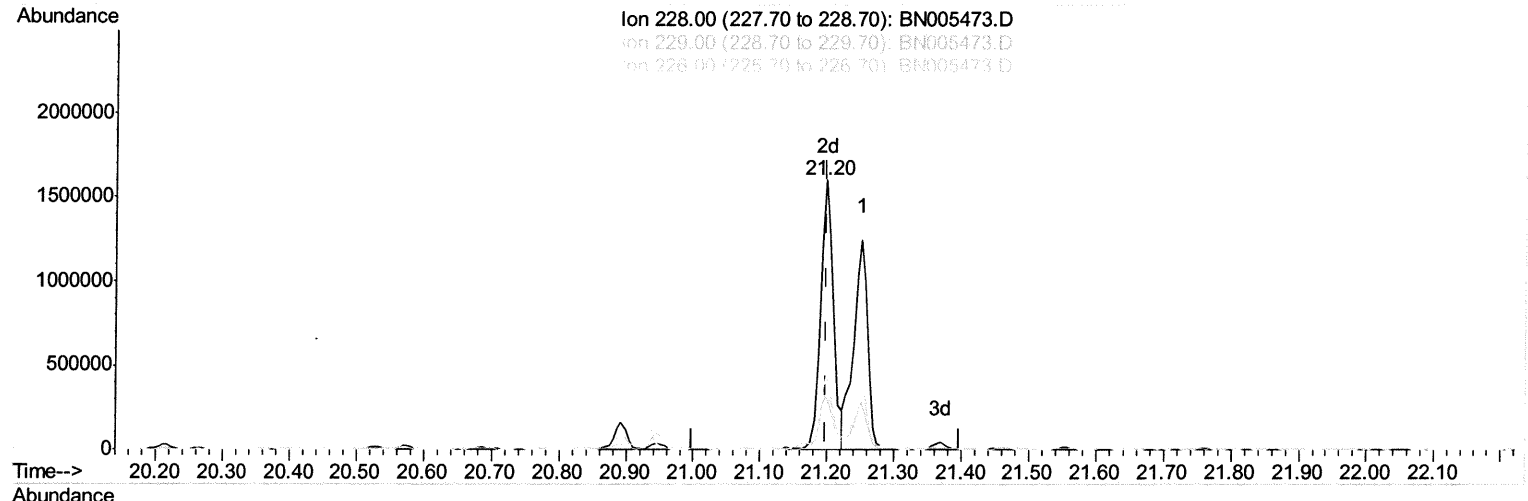
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.198min (0.000) 27.56ng/ul m SJ 05/12/19

response 2158290

Ion	Exp%	Act%
228.00	100	100
229.00	19.70	19.98
226.00	26.80	27.04
0.00	0.00	0.00

Quantitation Report (Qedit)

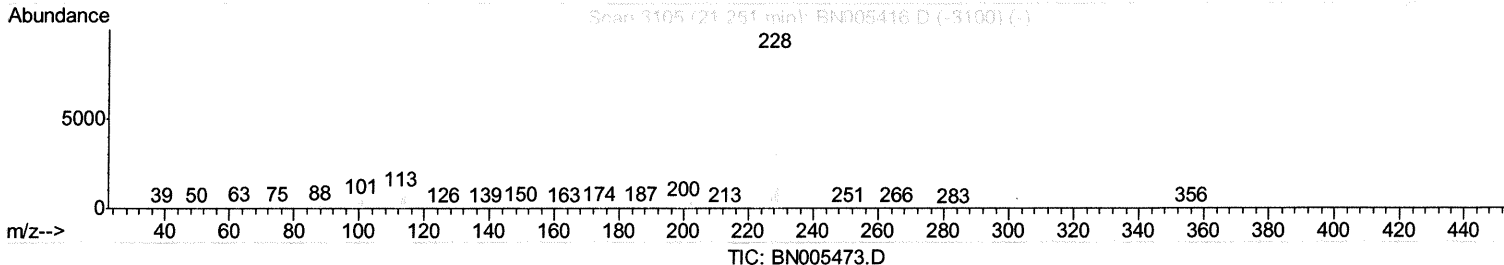
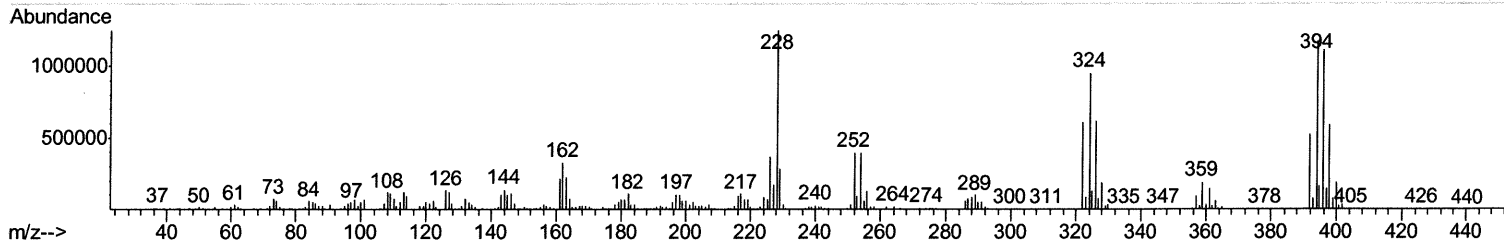
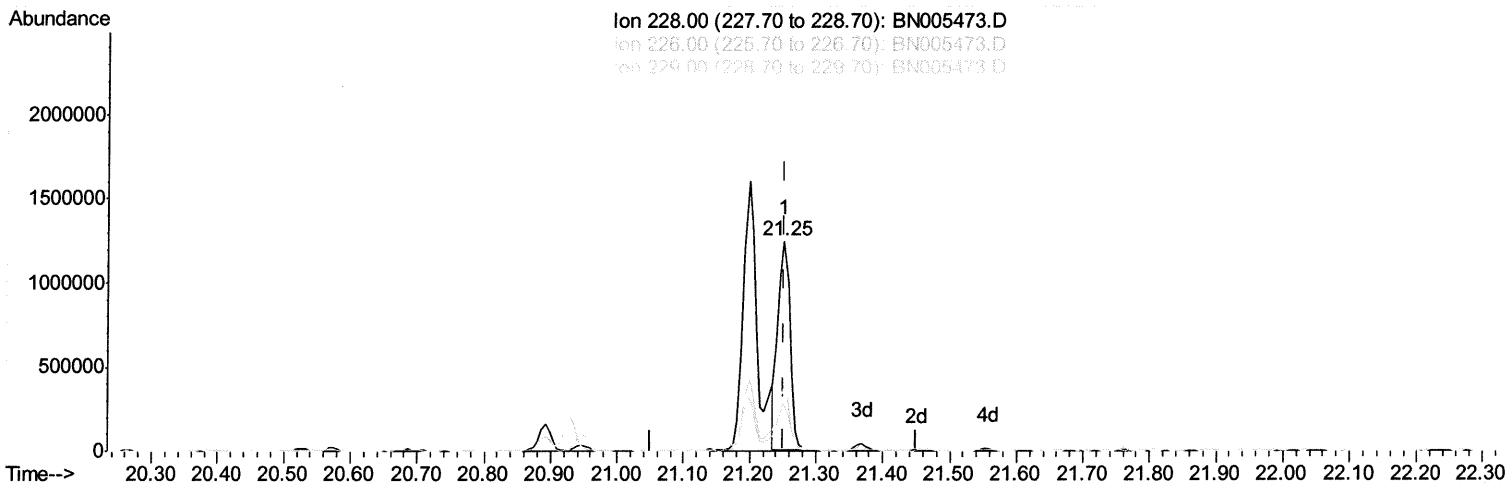
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(84) Chrysene

21.251min (-0.000) 21.84ng/ul

response 1587026

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	29.28
229.00	19.20	22.59
0.00	0.00	0.00

Quantitation Report (Qedit)

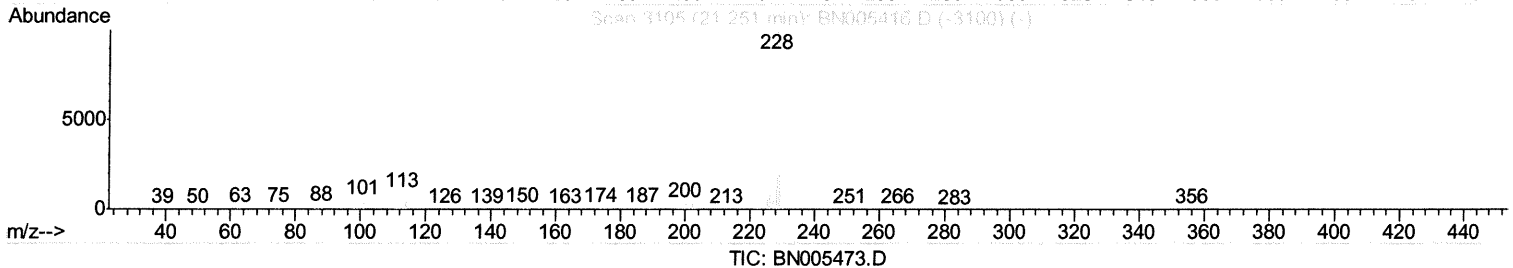
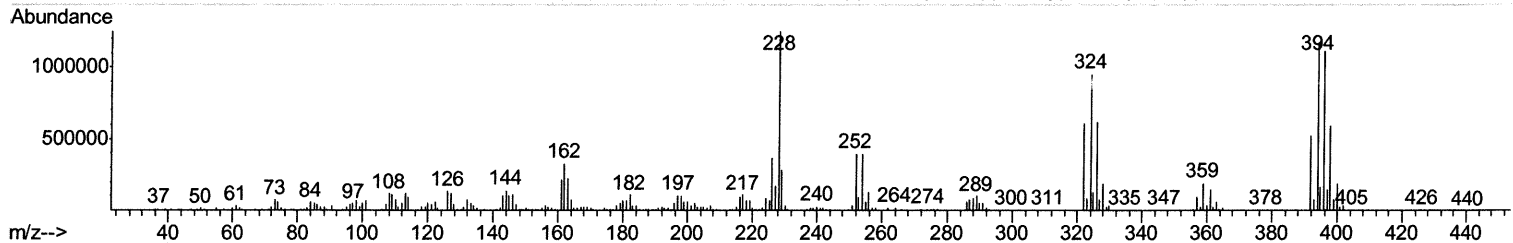
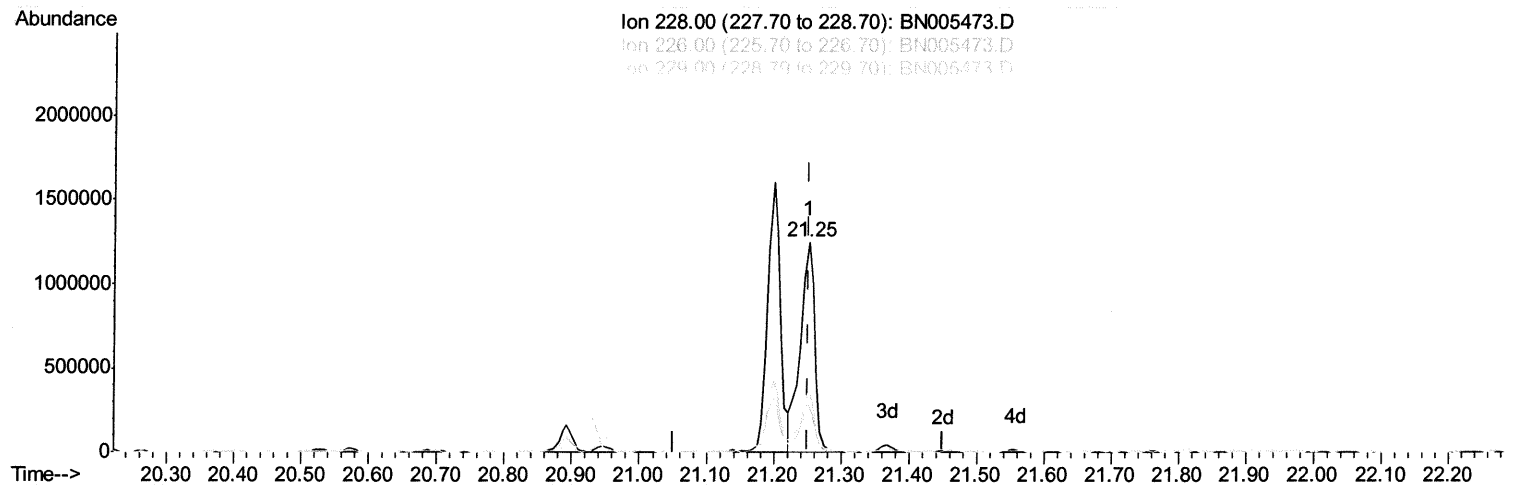
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(84) Chrysene

21.251min (-0.000) 25.53ng/ul m SJ 05/12/19

response 1855169

Ion	Exp%	Act%
228.00	100	100
226.00	30.00	29.28
229.00	19.20	22.59
0.00	0.00	0.00

Quantitation Report (Qedit)

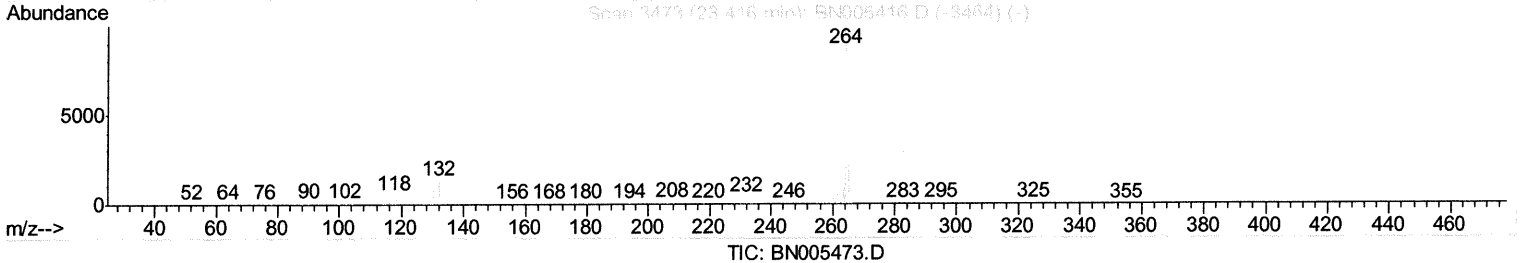
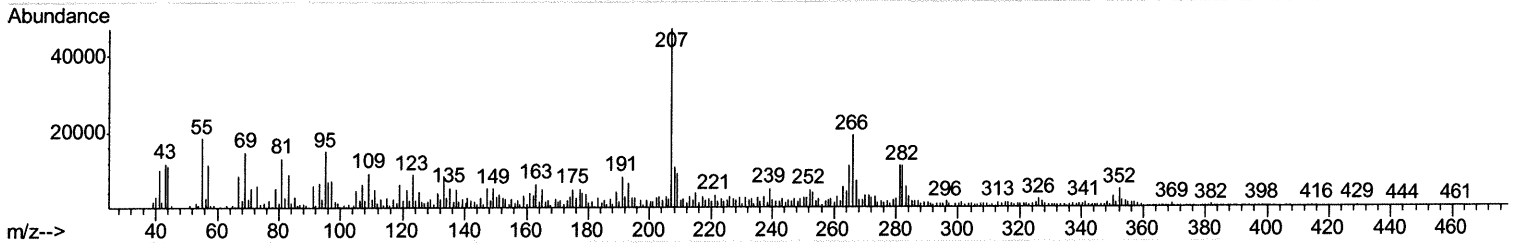
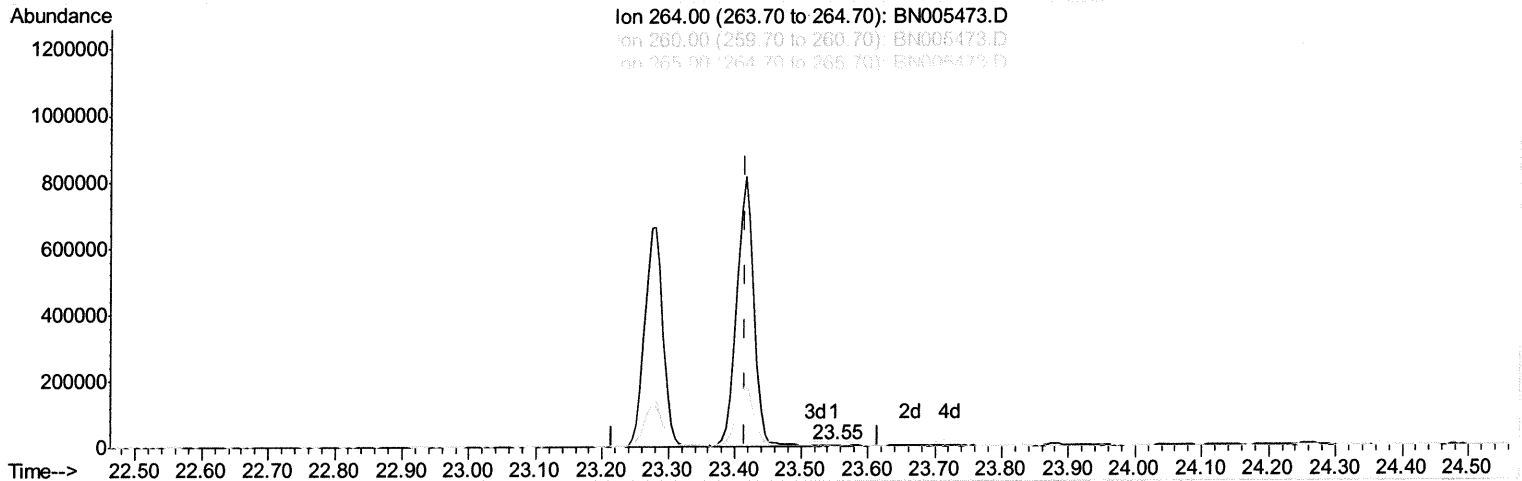
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
ClientSampleId :
 BFHK9

Manual Integrations
APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(85) Perylene-d12 (I)

23.551min (+0.135) 20.00ng/ul

response 1065

Ion	Exp%	Act%
264.00	100	100
260.00	23.50	38.36#
265.00	22.10	251.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

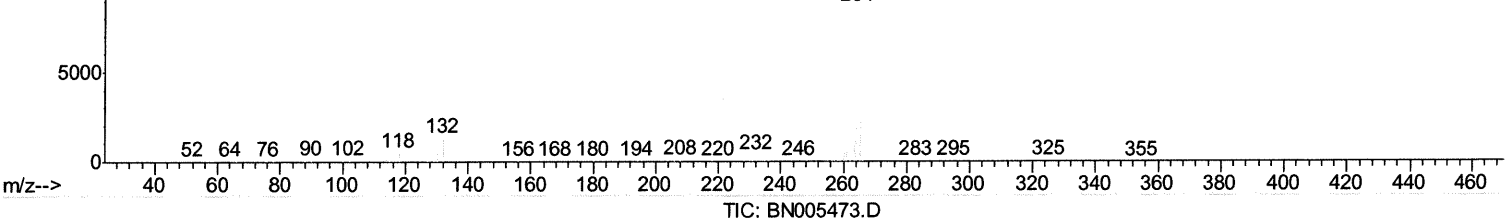
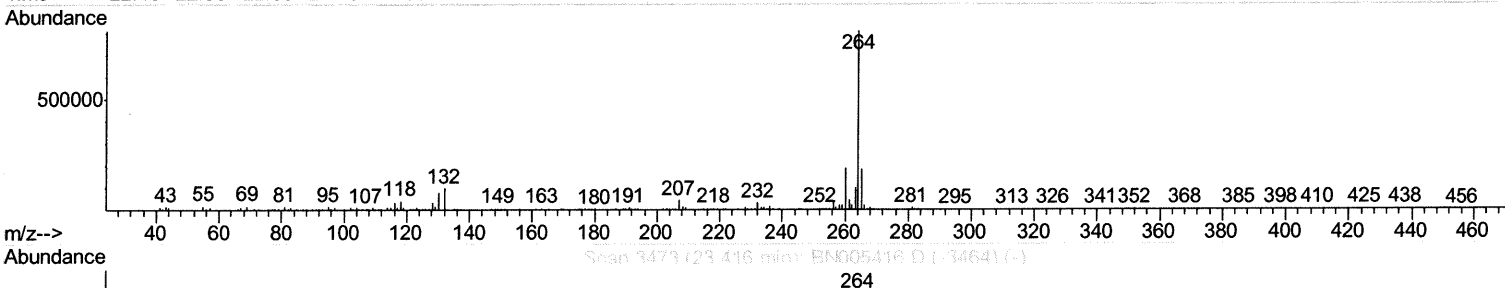
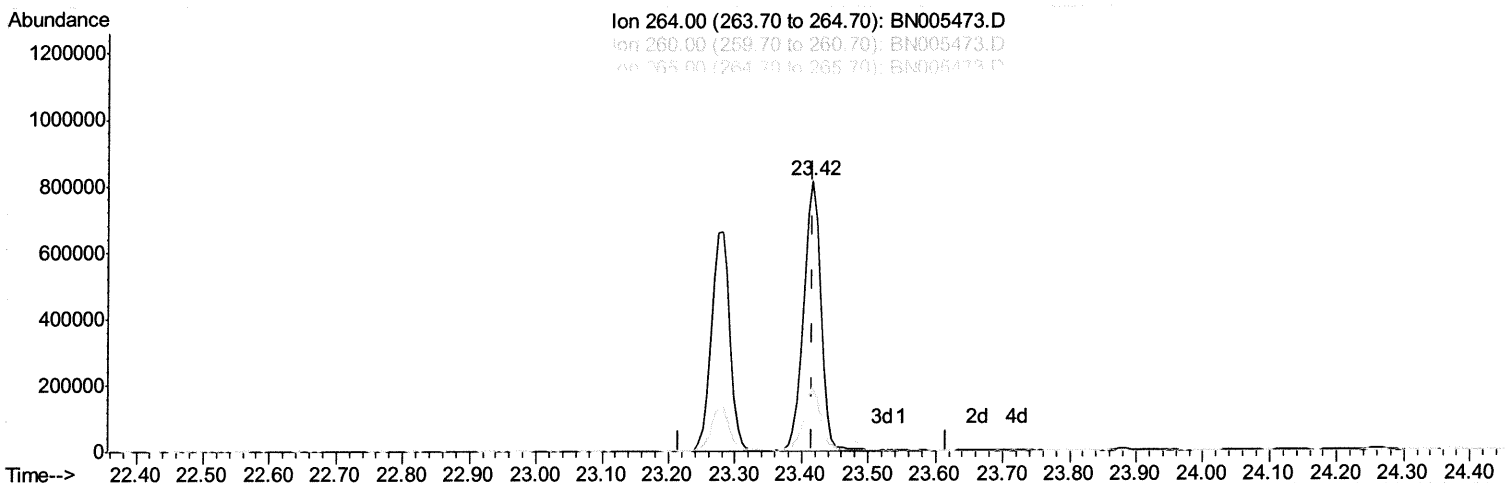
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:24:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(85) Perylene-d12 (I)

23.416min (0.000) 20.00ng/ul m *SJ 05/12/19*

response 1467792

Ion	Exp%	Act%
264.00	100	100
260.00	23.50	23.47
265.00	22.10	22.43
0.00	0.00	0.00

Quantitation Report (Qedit)

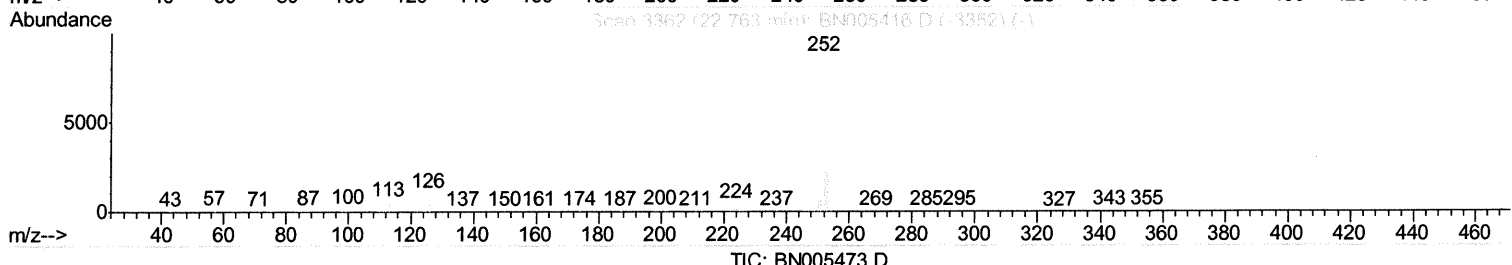
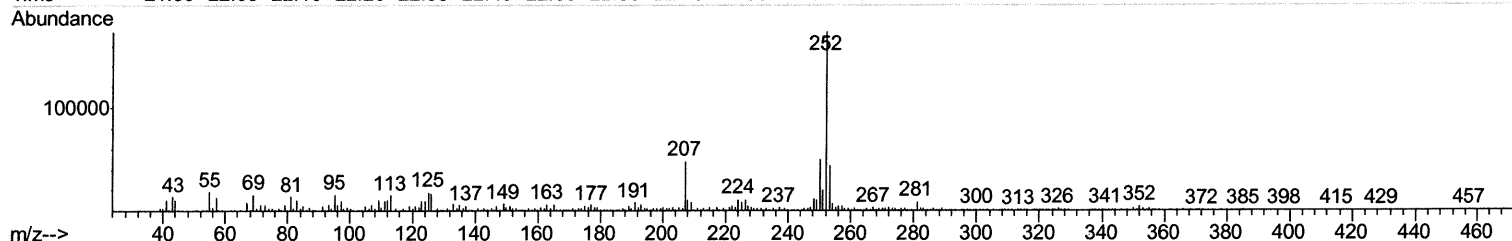
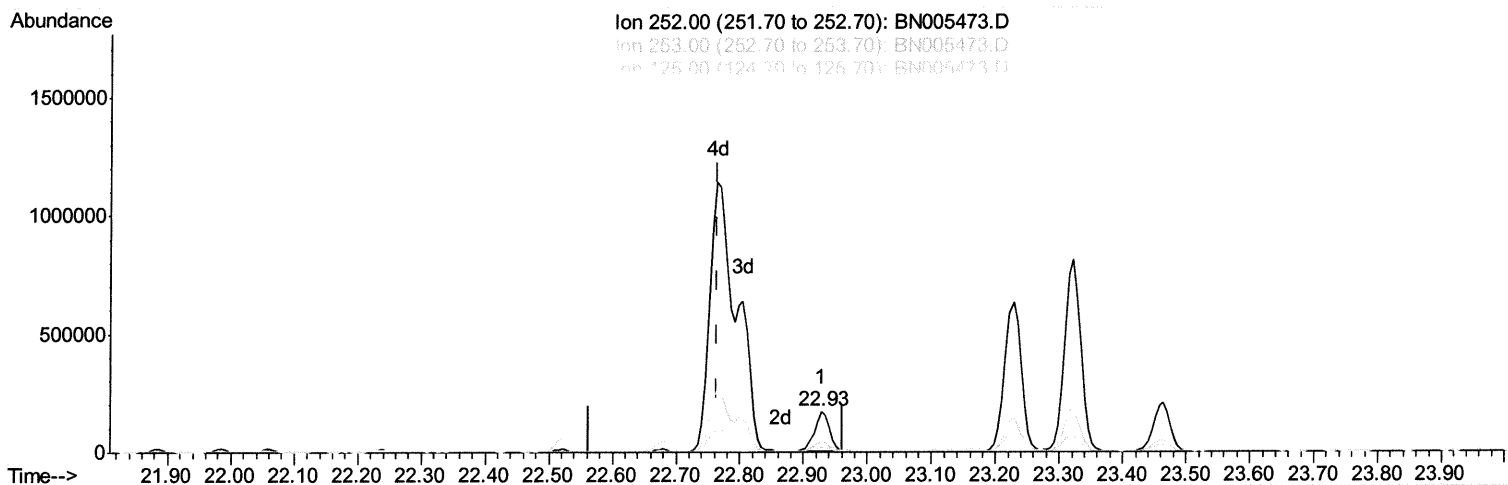
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(87) Benzo(b)fluoranthene

22.927min (+0.165) 3.38ng/ul

response 279206

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	25.35
125.00	10.50	10.68
0.00	0.00	0.00

Quantitation Report (Qedit)

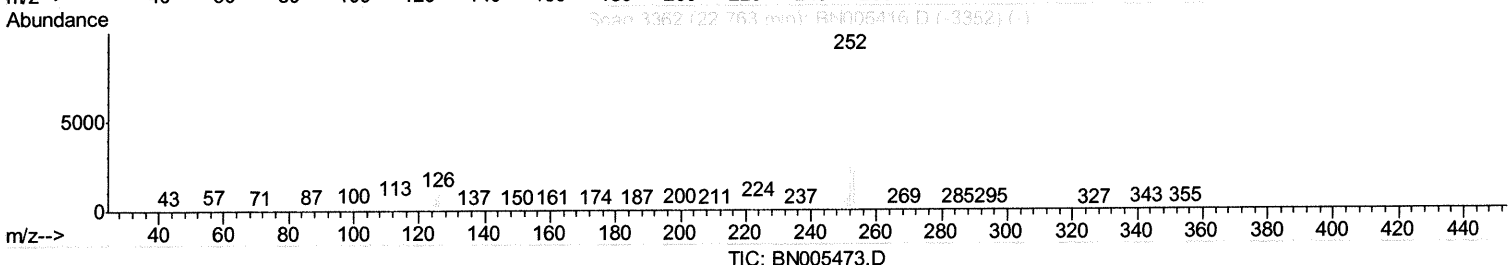
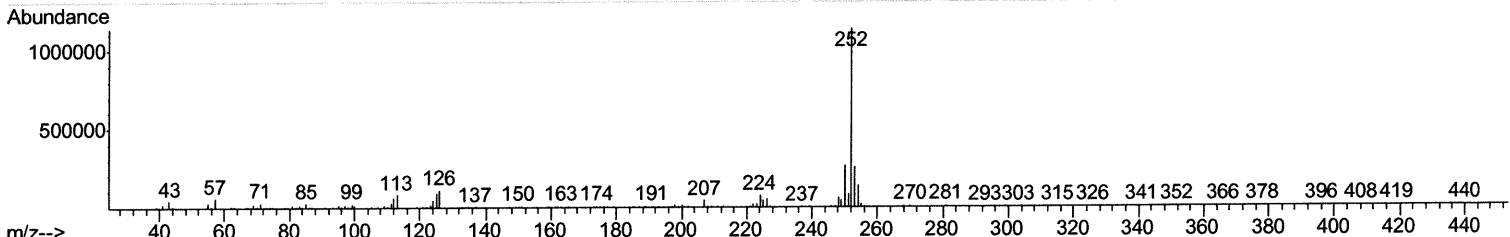
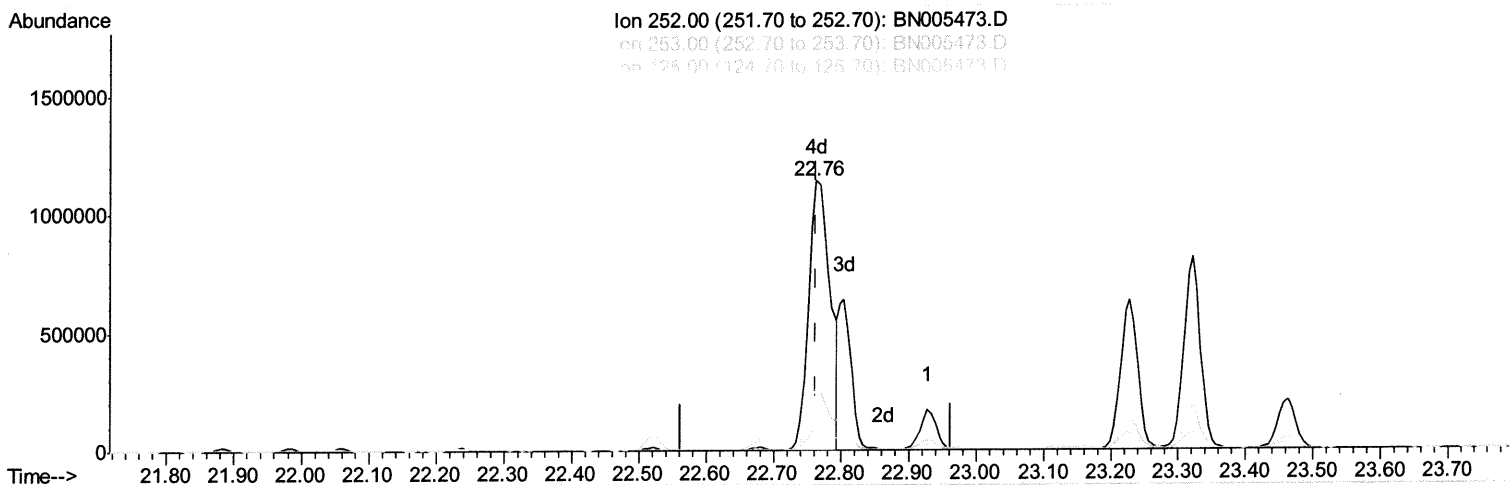
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(87) Benzo(b)fluoranthene

22.763min (-0.000) 30.61ng/ul m

SJ 05/12/19

response 2525483

Ion	Exp%	Act%
252.00	100	100
253.00	22.10	22.80
125.00	10.50	8.23#
0.00	0.00	0.00

Quantitation Report (Qedit)

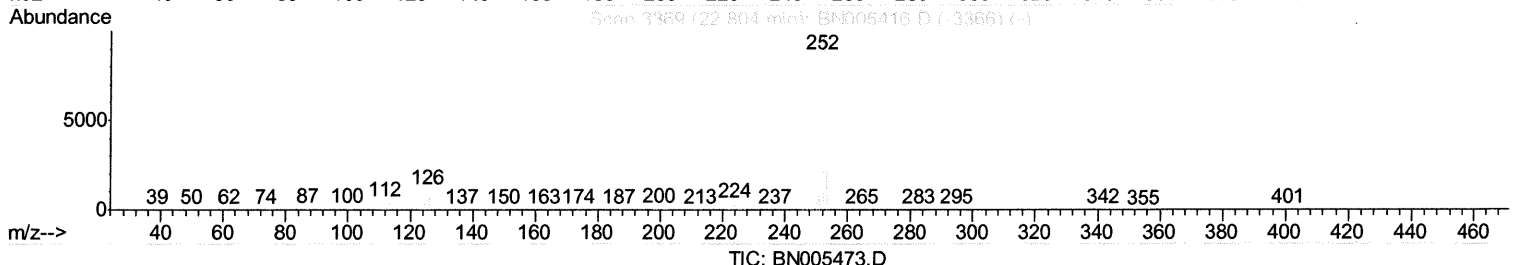
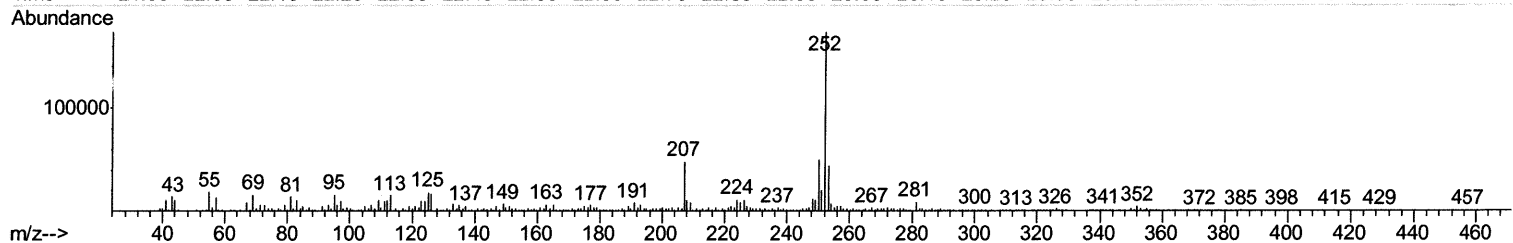
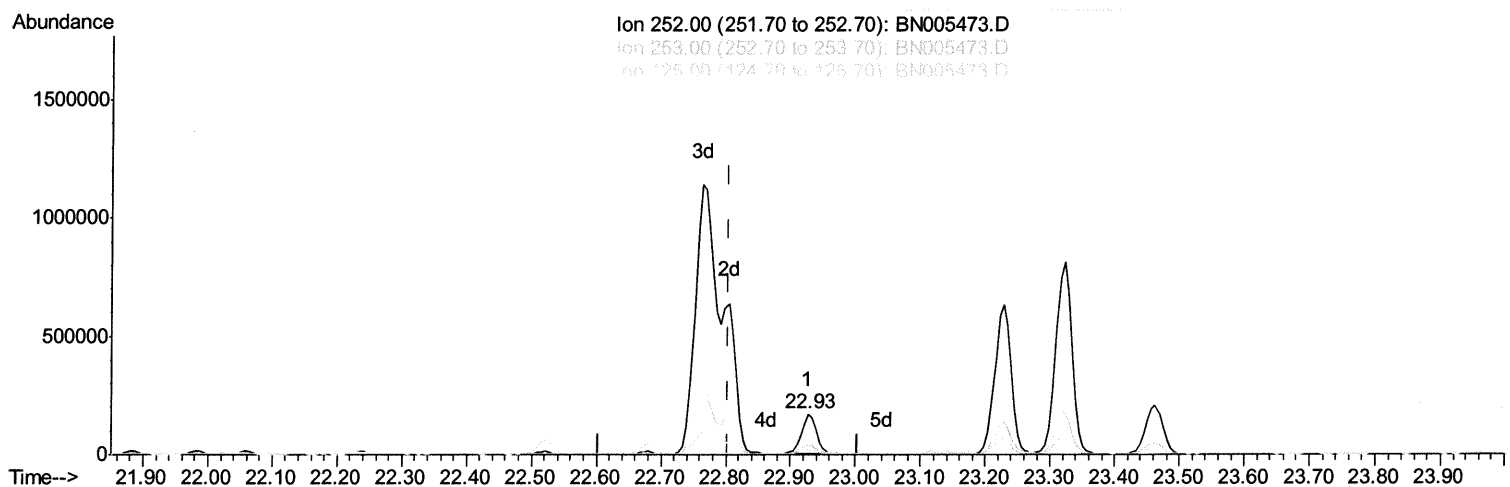
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.927min (+0.124) 3.48ng/ul

response 274256

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	25.35
125.00	9.40	10.68
0.00	0.00	0.00

Quantitation Report (Qedit)

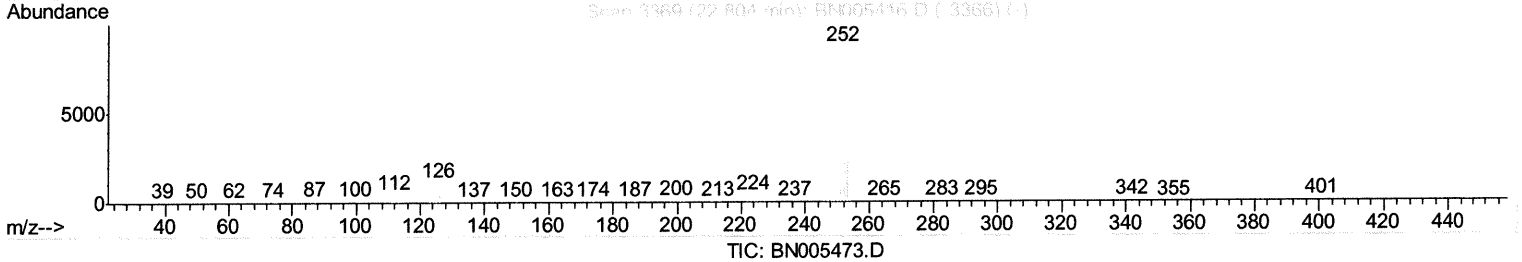
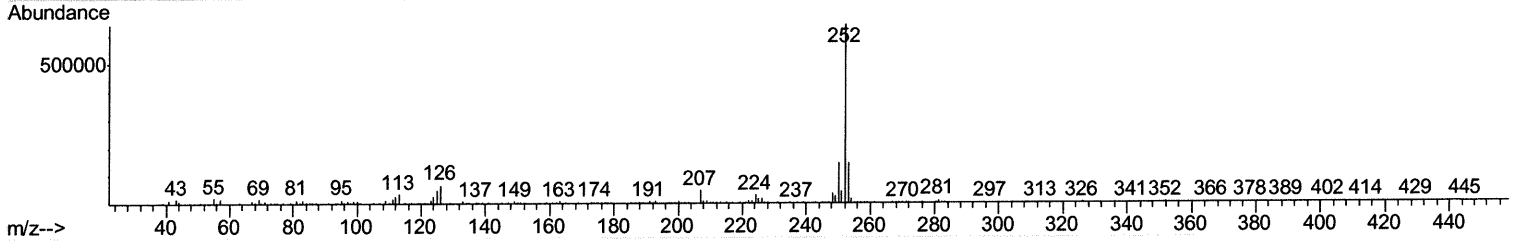
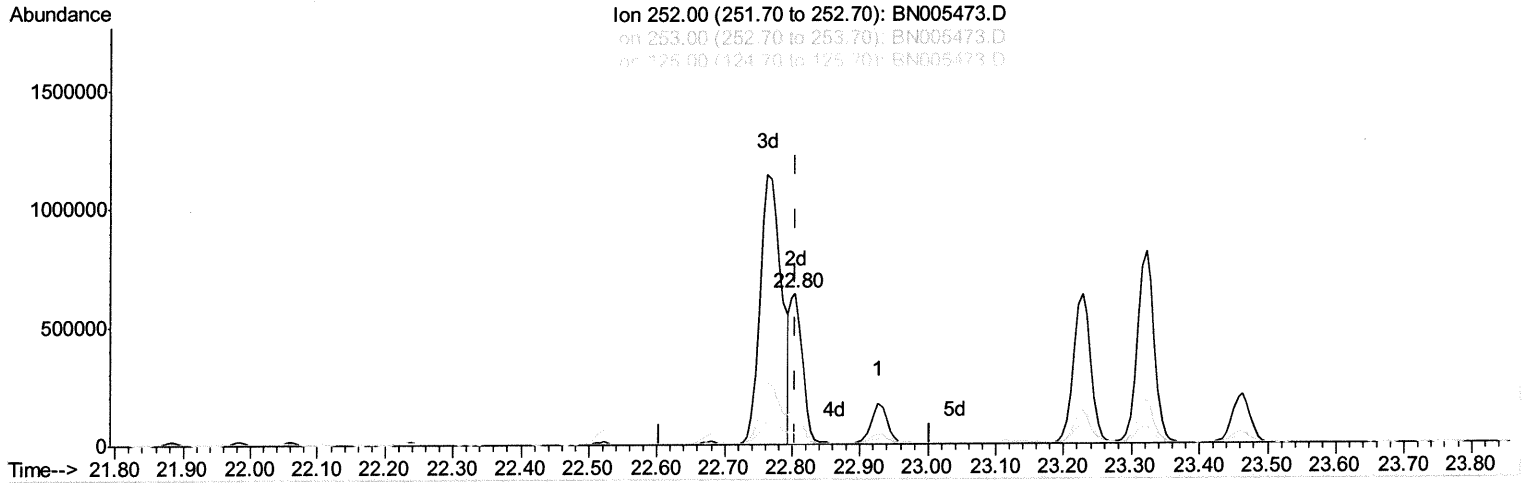
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

22.804min (0.000) 10.63ng/ul m SJ 05/12/19

response 837532

Ion	Exp%	Act%
252.00	100	100
253.00	21.70	22.91
125.00	9.40	7.70
0.00	0.00	0.00

Quantitation Report (Qedit)

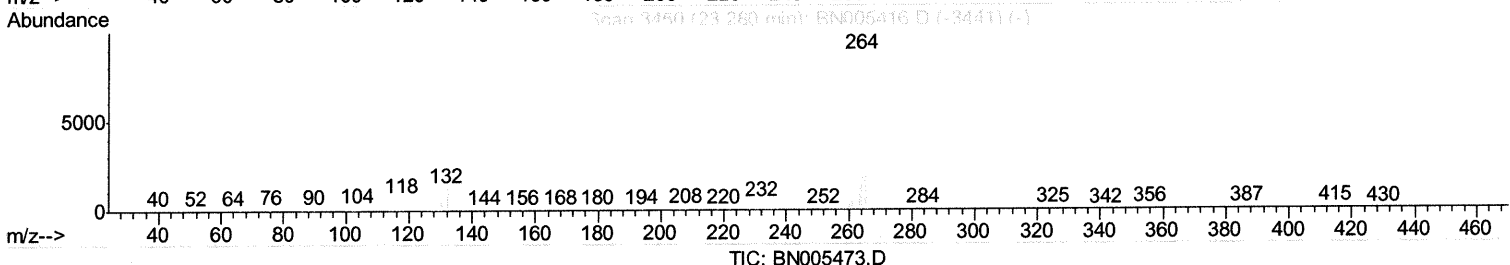
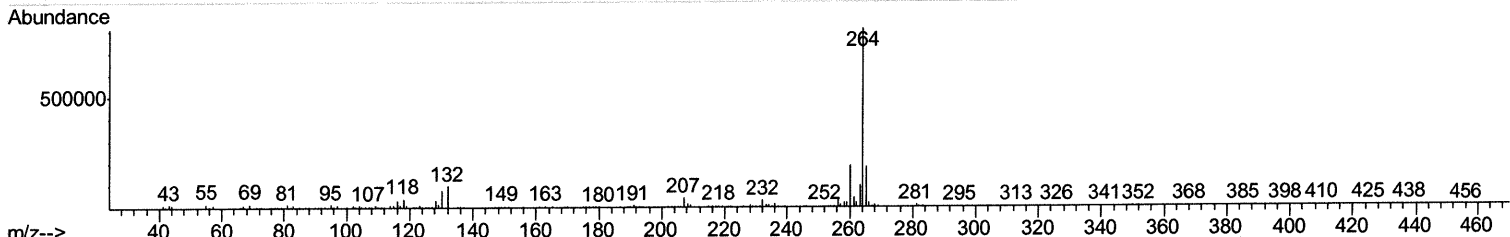
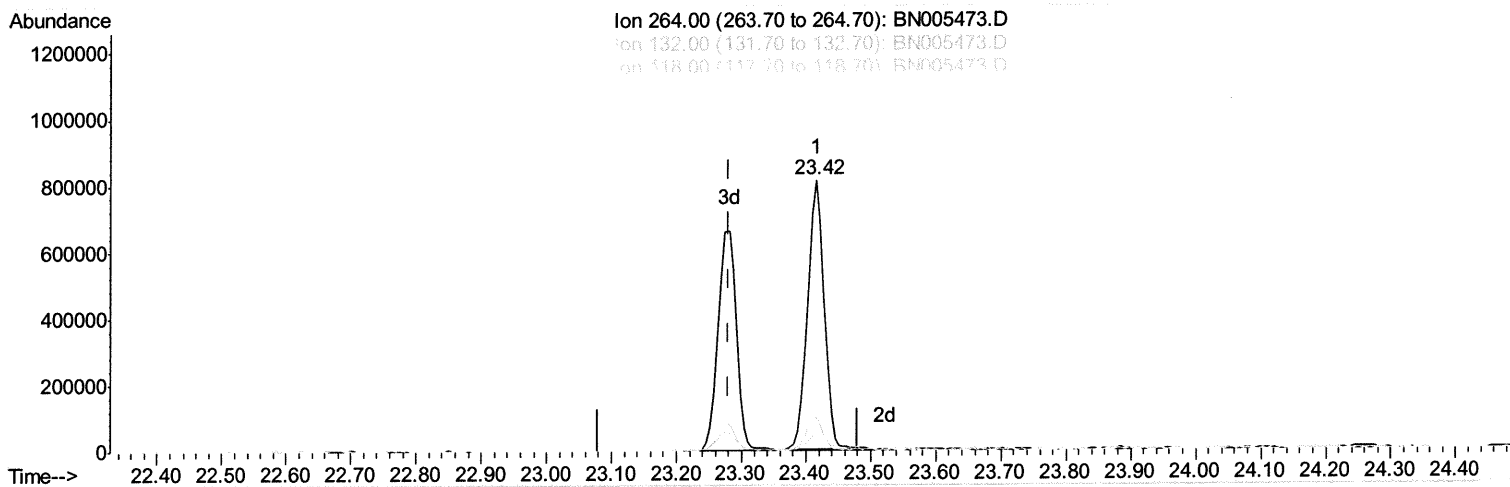
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(89) Benzo(a)pyrene-d12 (S)

23.416min (+0.135) 22.74ng/ul

response 1458637

Ion	Exp%	Act%
264.00	100	100
132.00	16.60	12.10#
118.00	10.40	6.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

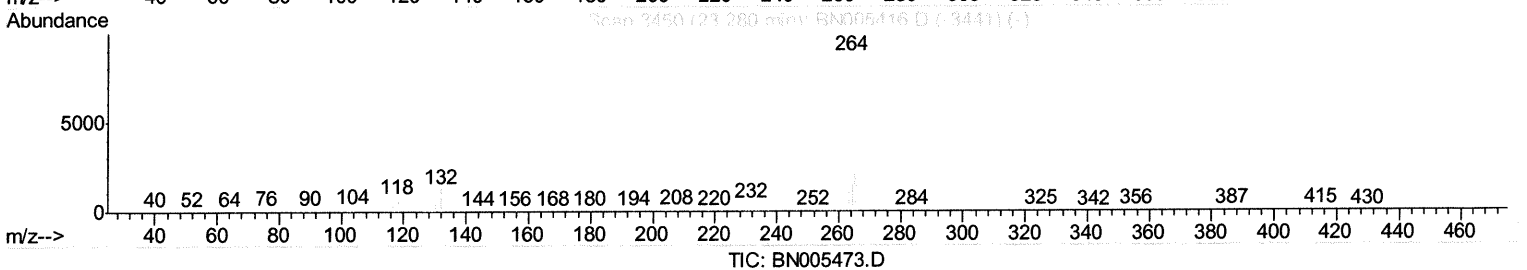
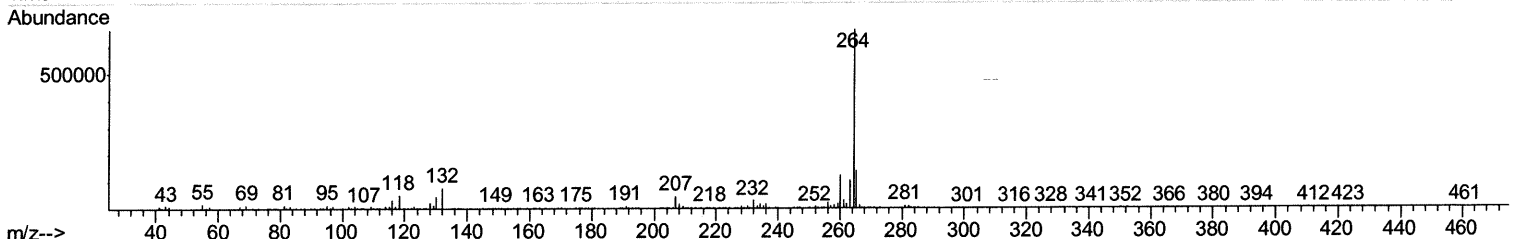
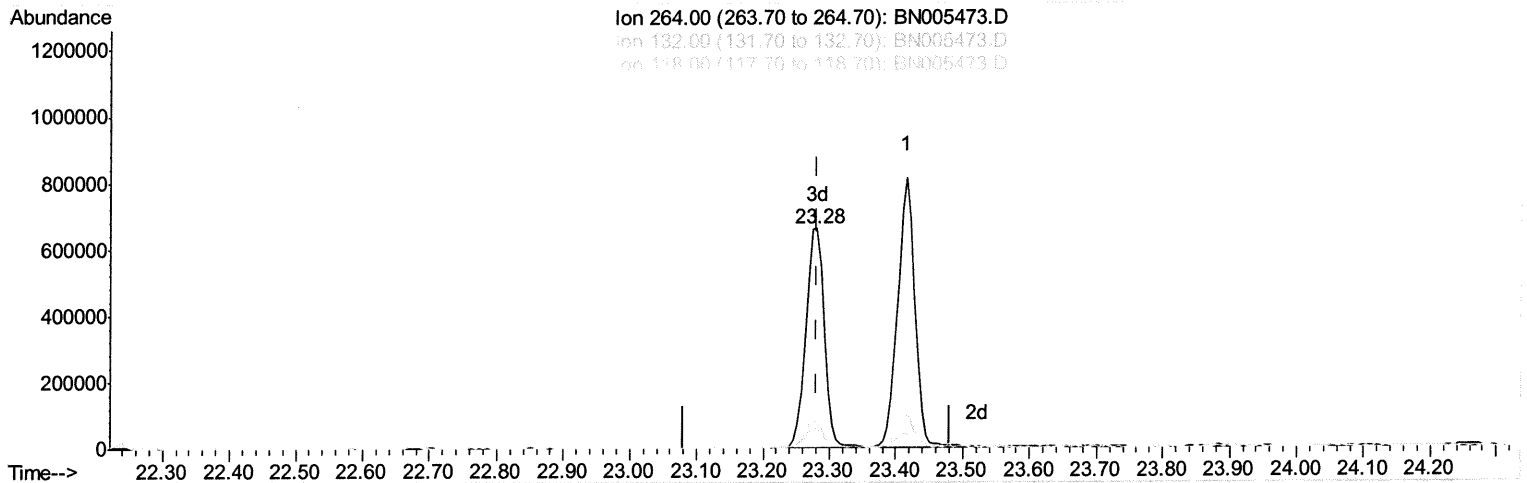
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(89) Benzo(a)pyrene-d12 (S)

23.280min (-0.000) 19.79ng/ul m

SJ 05/12/19

response 1269614

Ion	Exp%	Act%
264.00	100	100
132.00	16.60	11.98#
118.00	10.40	7.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

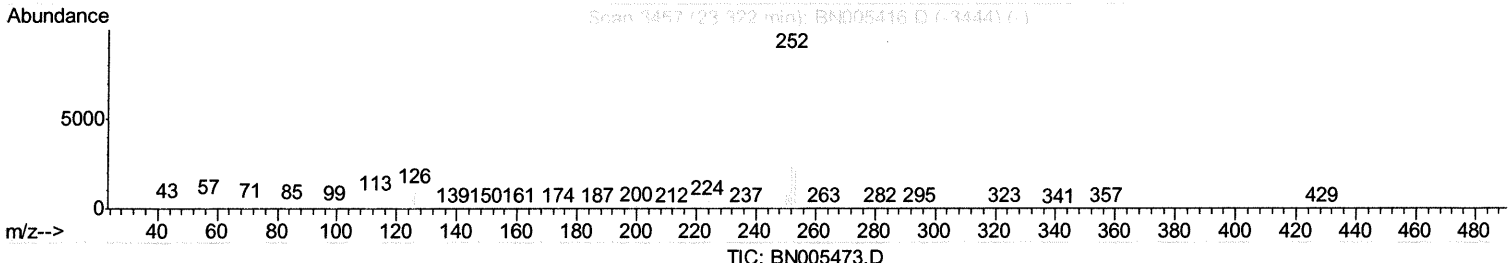
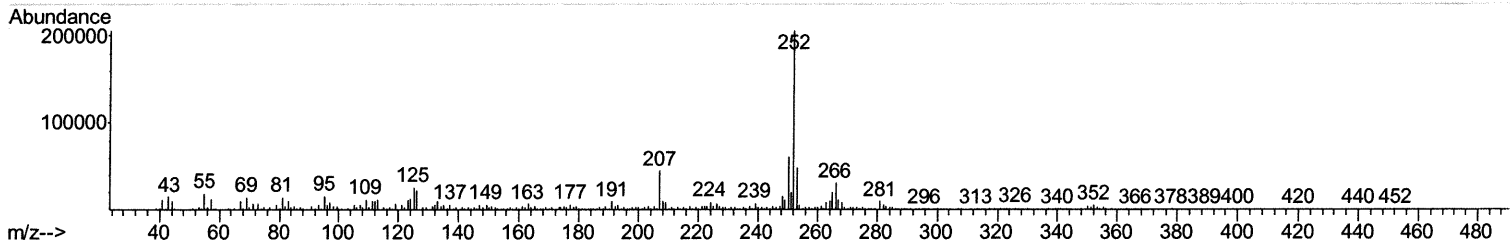
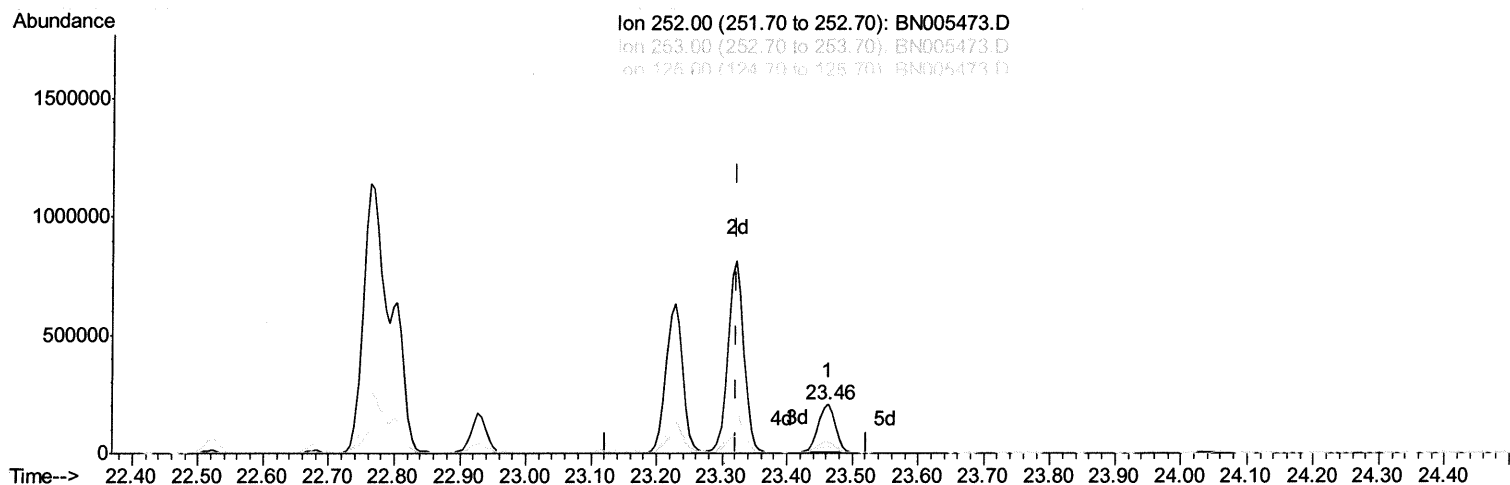
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.463min (+0.141) 4.73ng/ul

response 366865

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	23.75
125.00	10.80	12.82
0.00	0.00	0.00

Quantitation Report (Qedit)

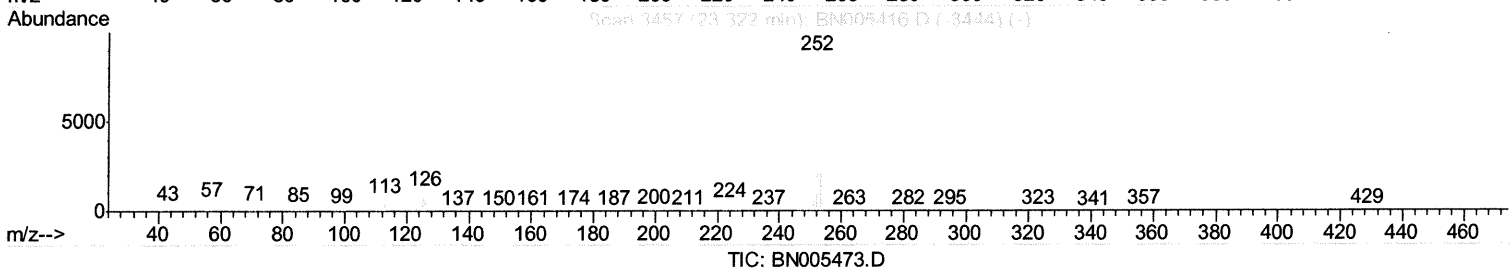
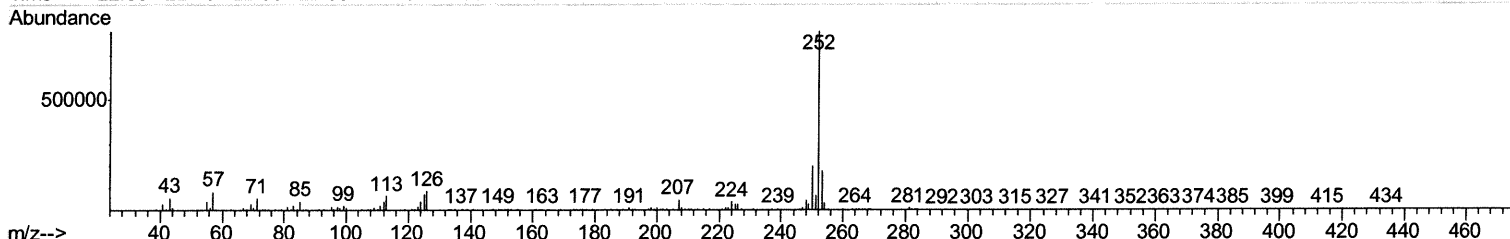
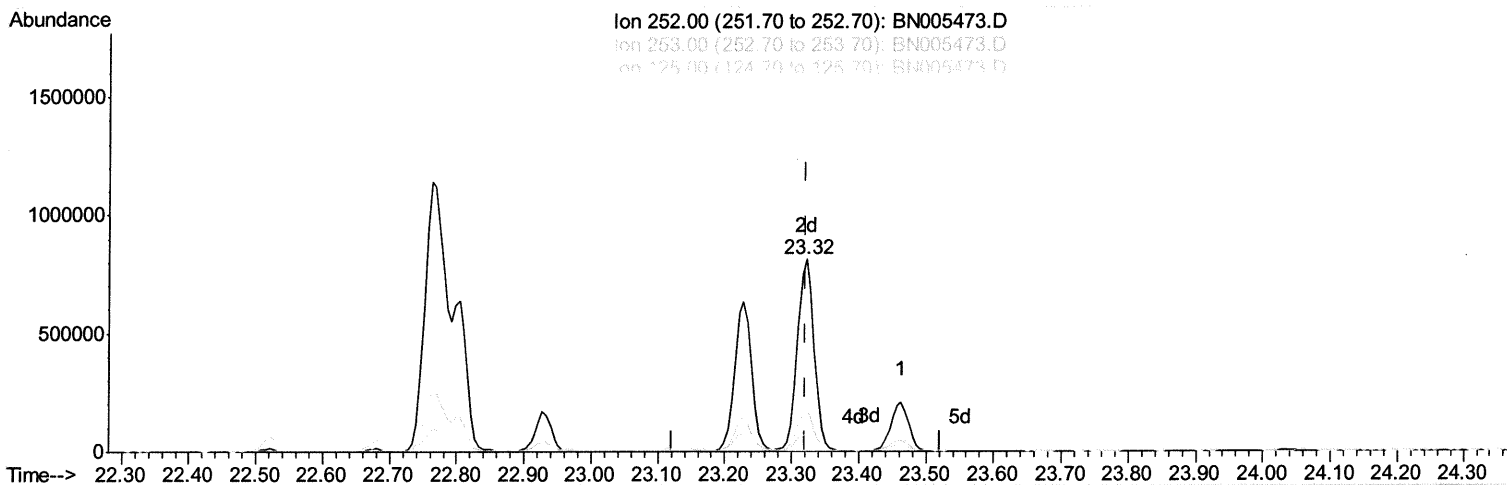
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.322min (0.000) 18.25ng/ul m *SJ 05/12/19*

response 1415392

Ion	Exp%	Act%
252.00	100	100
253.00	21.60	22.12
125.00	10.80	9.04
0.00	0.00	0.00

Quantitation Report (Qedit)

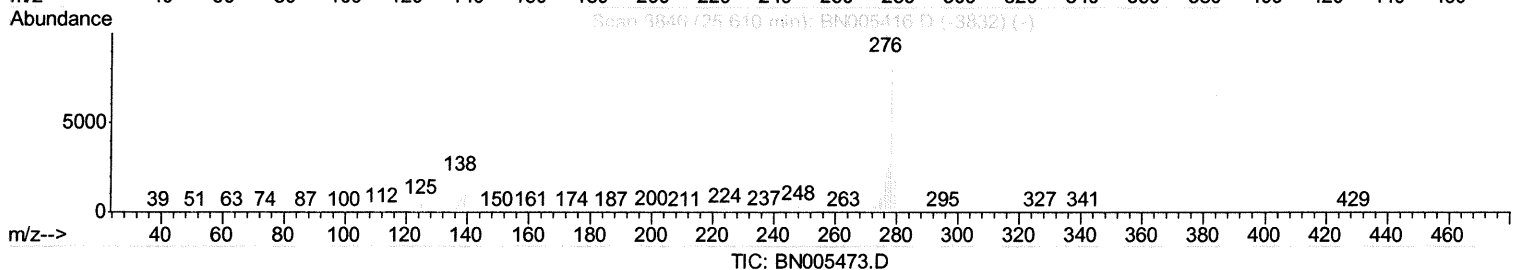
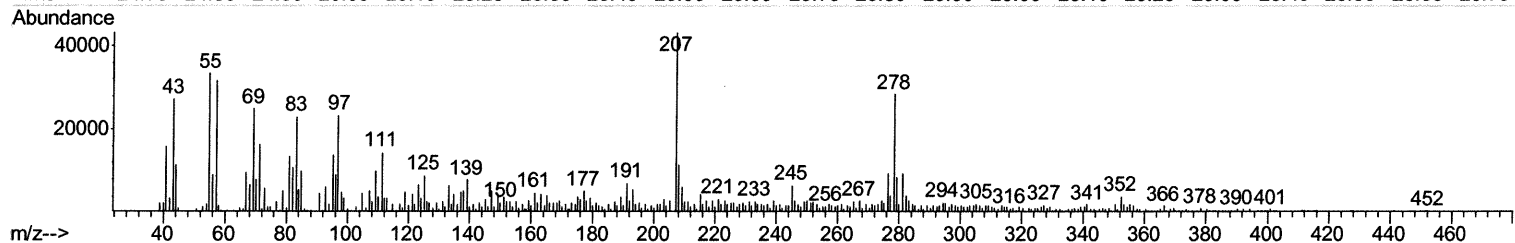
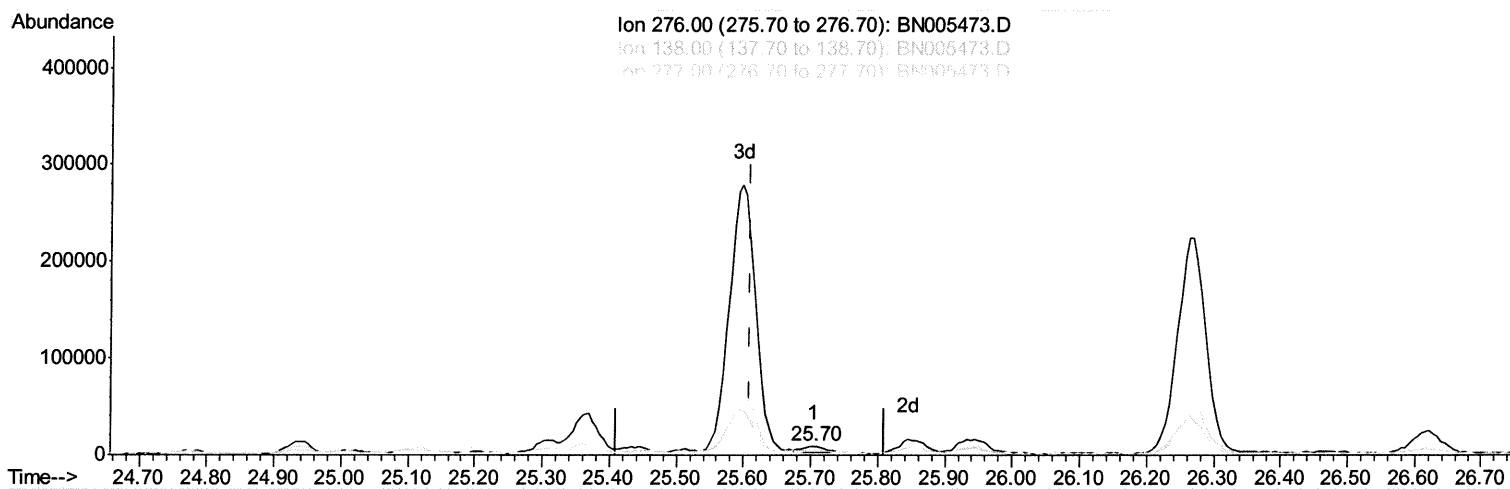
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(91) Indeno(1,2,3-cd)pyrene

25.704min (+0.094) 0.17ng/ul

response 14537

Ion	Exp%	Act%
276.00	100	100
138.00	22.40	57.75#
277.00	24.60	45.48#
0.00	0.00	0.00

Quantitation Report (Qedit)

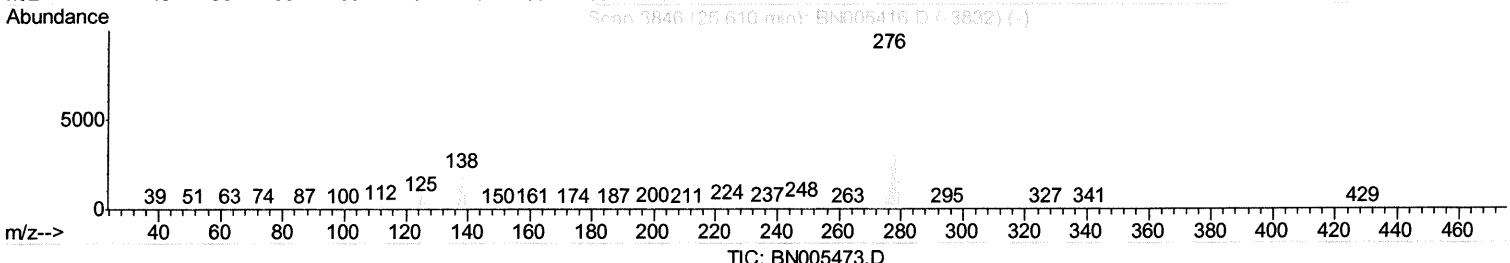
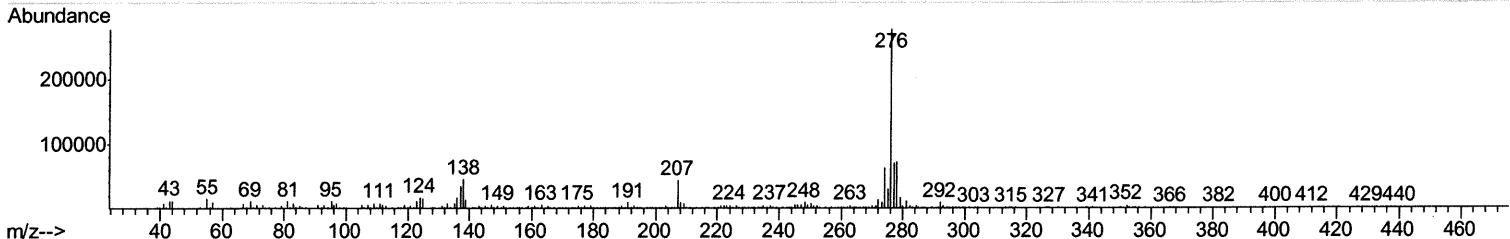
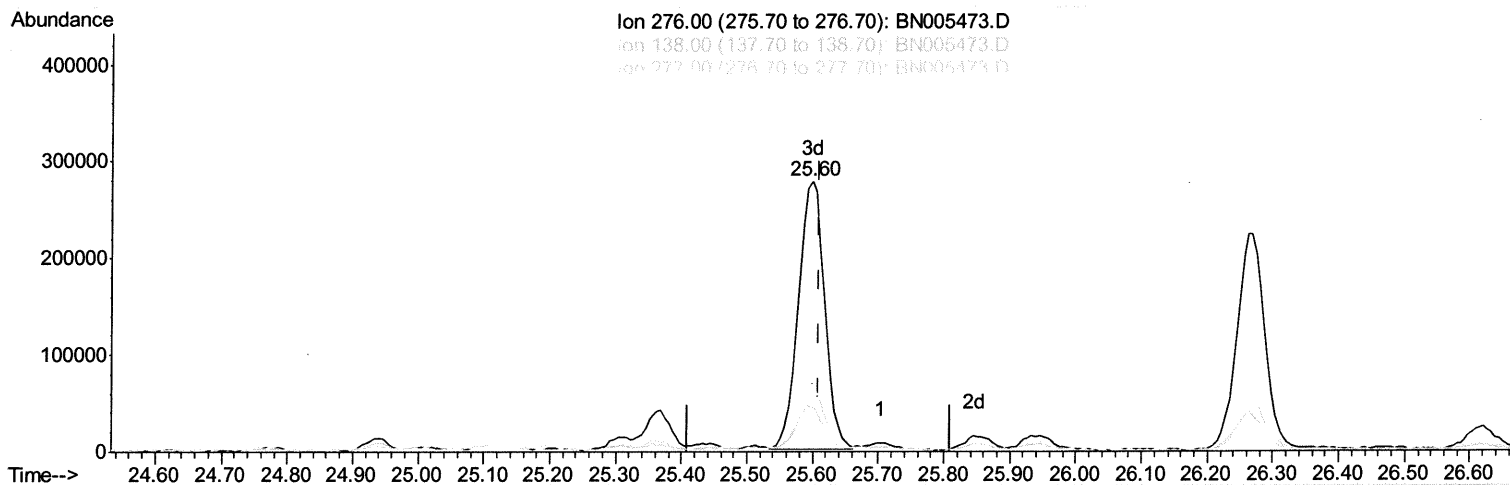
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(91) Indeno(1,2,3-cd)pyrene

25.598min (-0.012) 8.89ng/ul m SJ 05/12/19

response 762679

Ion	Exp%	Act%
276.00	100	100
138.00	22.40	16.39#
277.00	24.60	25.36
0.00	0.00	0.00

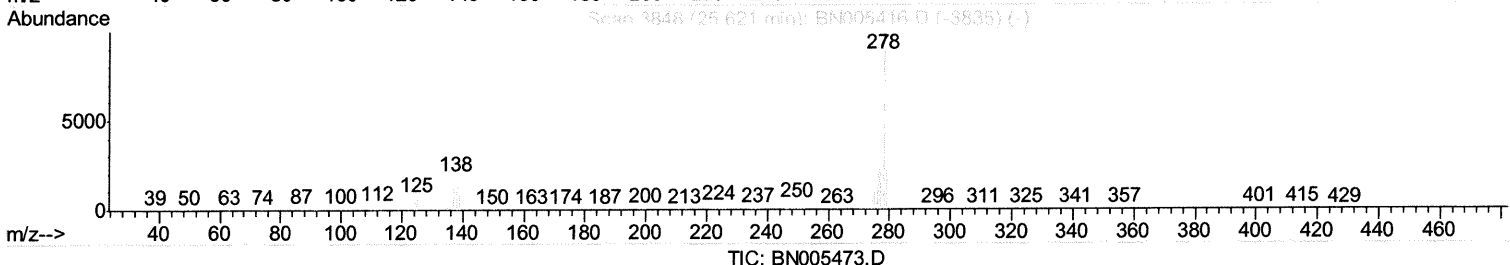
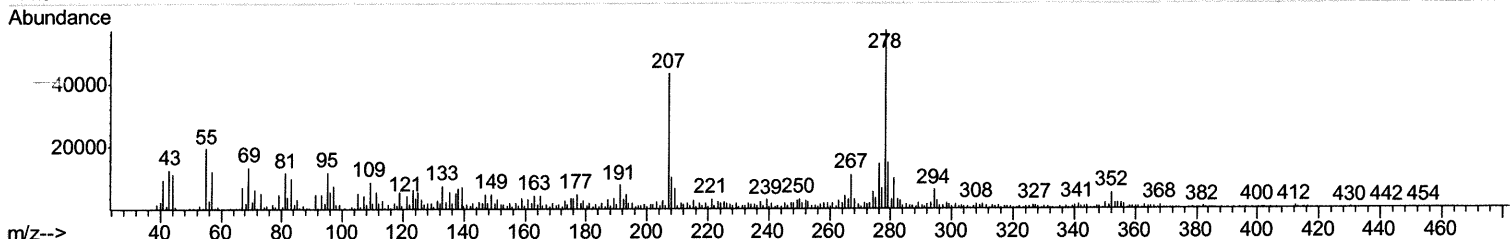
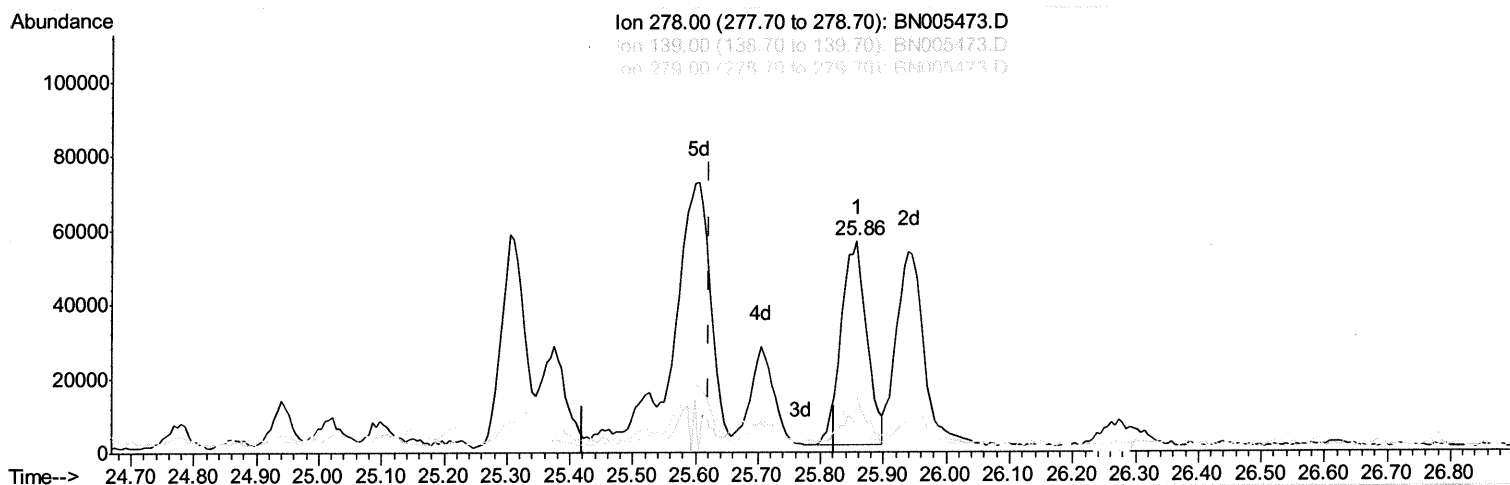
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
Data File : BN005473.D
Acq On : 04 May 2019 04:09
Operator : JU/SJ
Sample : K2602-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BFHK9

Manual Integrations
APPROVED

mohammad
5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.857min (+0.235) 2.15ng/ul

response 156799

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	15.80
279.00	24.20	26.65
0.00	0.00	0.00

Quantitation Report (Qedit)

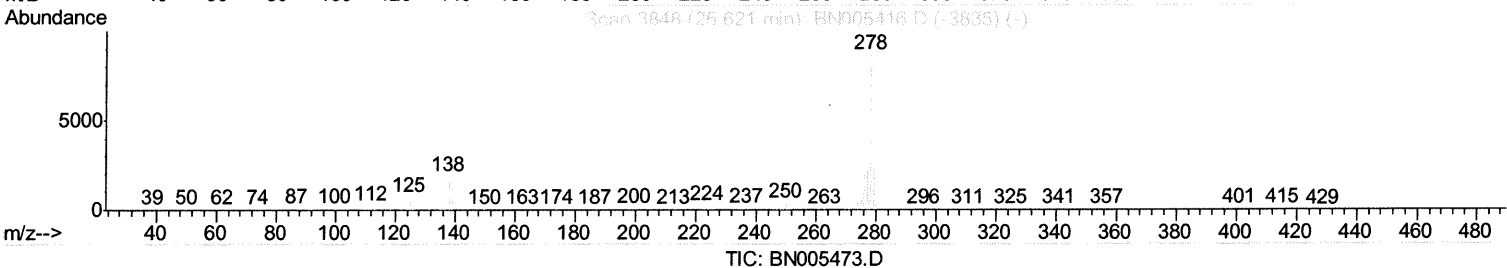
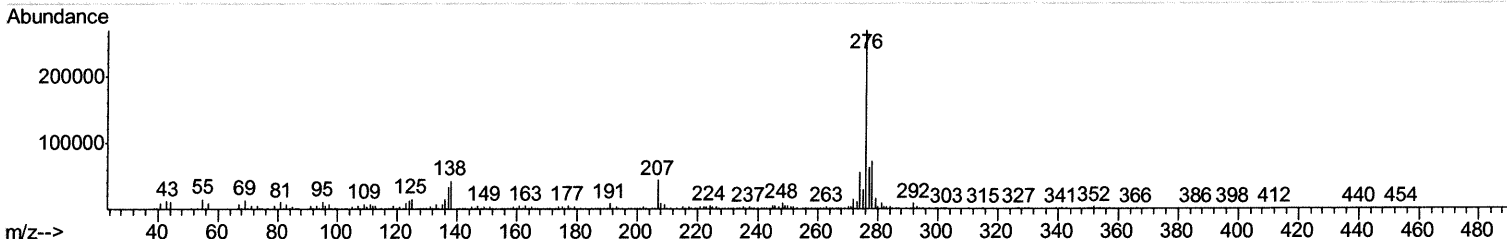
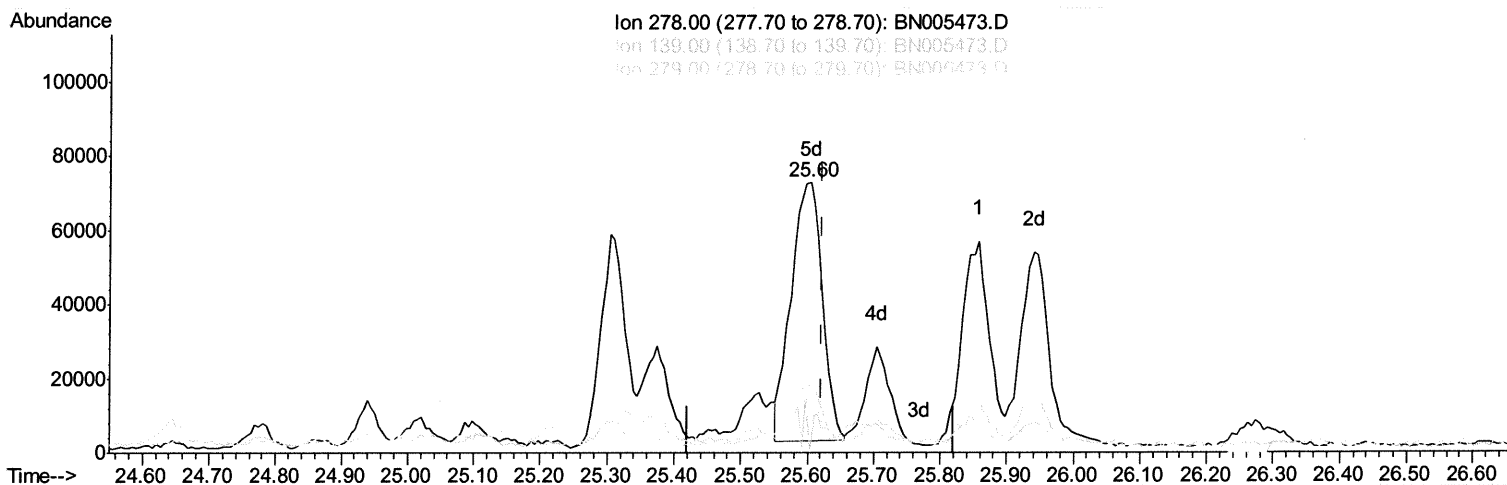
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(92) Dibenzo(a,h)anthracene

25.604min (-0.018) 3.15ng/ul m *SJ 05/12/19*

response 229331

Ion	Exp%	Act%
278.00	100	100
139.00	16.40	0.00#
279.00	24.20	24.14
0.00	0.00	0.00

Quantitation Report (Qedit)

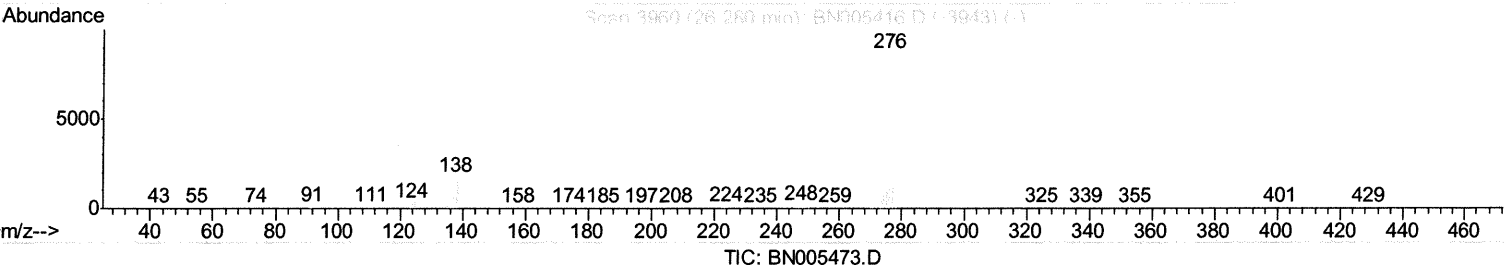
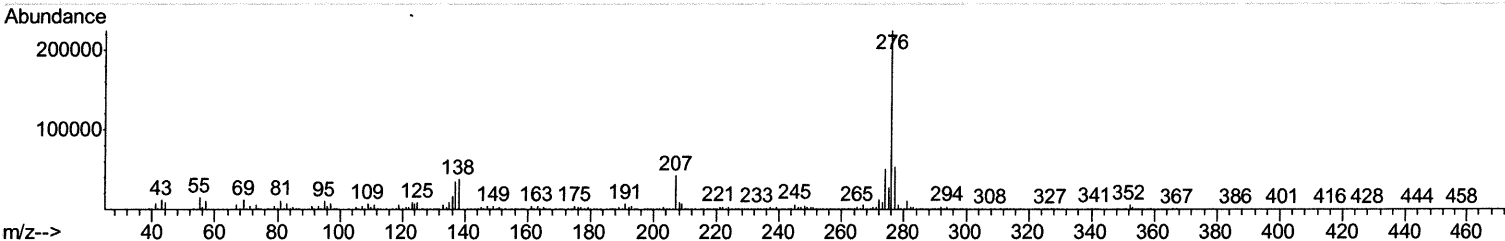
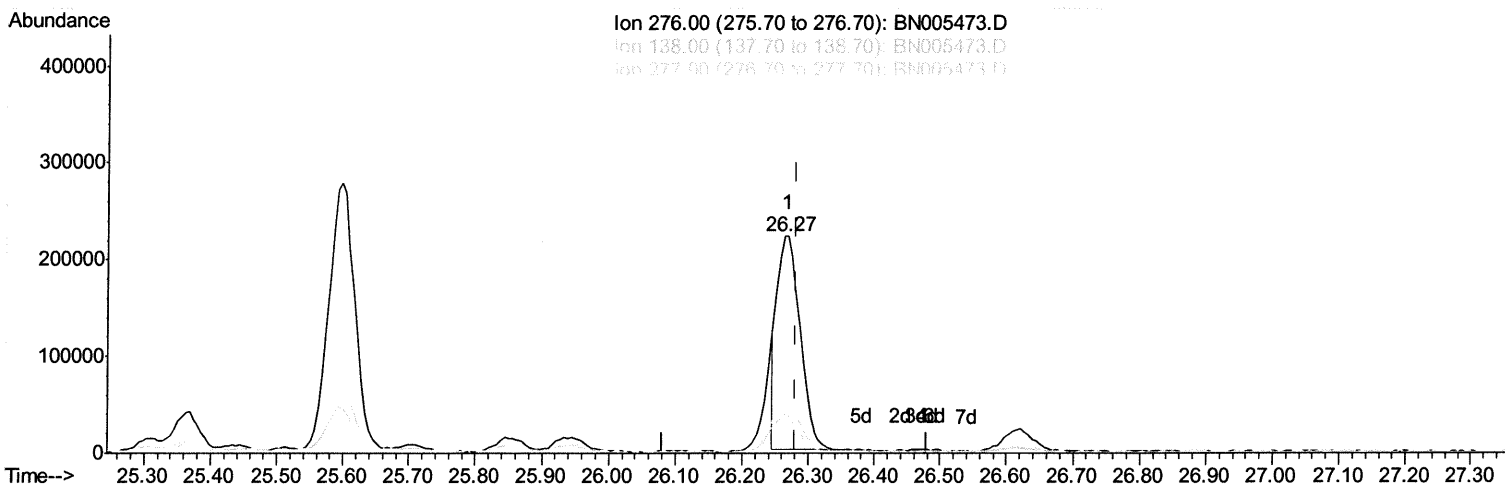
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(93) Benzo(g,h,i)perylene

26.268min (-0.012) 7.53ng/ul

response 533565

Ion	Exp%	Act%
276.00	100	100
138.00	20.90	17.08
277.00	22.70	23.99
0.00	0.00	0.00

Quantitation Report (Qedit)

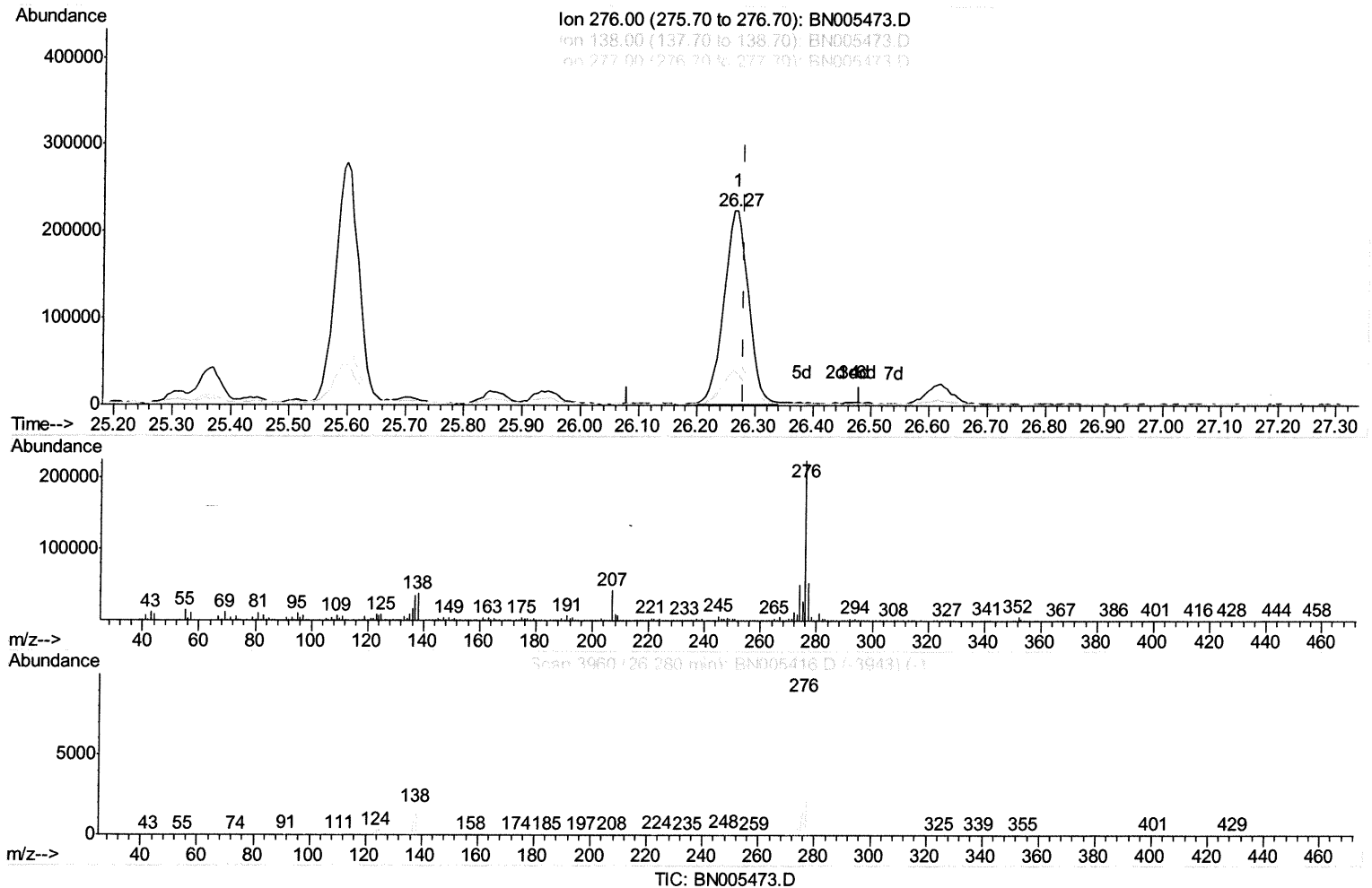
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration



(93) Benzo(g,h,i)perylene

26.268min (-0.012) 9.40ng/ul m *SJ 05/12/19*

response 666428

Ion	Exp%	Act%
276.00	100	100
138.00	20.90	17.08
277.00	22.70	23.99
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050319\
 Data File : BN005473.D
 Acq On : 04 May 2019 04:09
 Operator : JU/SJ
 Sample : K2602-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BFHK9

Manual Integrations
 APPROVED

mohammad
 5/7/2019 8:21:44 AM

Quant Time: May 06 02:30:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	313712	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1242743	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	687170	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1461482m	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1258719m	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	1467792m	20.00	ng/ul	0.00

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System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18433	2.84	ng/uL	0.00
5) Phenol-d5	6.78	99	374149	15.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	238939	15.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	330716	17.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	158026	8.20	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	176802	23.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	194093	25.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	305570	17.19	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	247978	13.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	1032571	20.70	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1292687	21.10	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	74302	9.43	ng/ul	0.00
57) Fluorene-d10	15.22	176	889872	21.26	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	59496m	9.05	ng/ul	0.00
70) Anthracene-d10	17.07	188	1261218	20.59	ng/ul	0.00
78) Pyrene-d10	19.39	212	1352500	21.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	1269614m	19.79	ng/ul	0.00

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Target Compounds

					Qvalue
6) Phenol	6.80	94	25720	1.015	ng/ul 95
44) Dimethylphthalate	13.69	163	380238	7.650	ng/ul 99
69) Phenanthrene	17.02	178	789132m	11.087	ng/ul > 99
71) Anthracene	17.11	178	153352	2.115	ng/ul 99
74) Carbazole	17.39	167	93369	1.499	ng/ul 97
76) Fluoranthene	19.06	202	4141312	52.456	ng/ul 95
79) Pyrene	19.42	202	3340421	41.217	ng/ul 95
82) Benzo(a)anthracene	21.20	228	2158290m	27.563	ng/ul > 95
84) Chrysene	21.25	228	1855169m	25.527	ng/ul > 95
87) Benzo(b)fluoranthene	22.76	252	2525483m	30.609	ng/ul > 95
88) Benzo(k)fluoranthene	22.80	252	837532m	10.629	ng/ul > 95
90) Benzo(a)pyrene	23.32	252	1415392m	18.250	ng/ul > 95
91) Indeno(1,2,3-cd)pyrene	25.60	276	762679m	8.895	ng/ul > 95
92) Dibenzo(a,h)anthracene	25.60	278	229331m	3.152	ng/ul > 95
93) Benzo(g,h,i)perylene	26.27	276	666428m	9.400	ng/ul > 95

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