

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

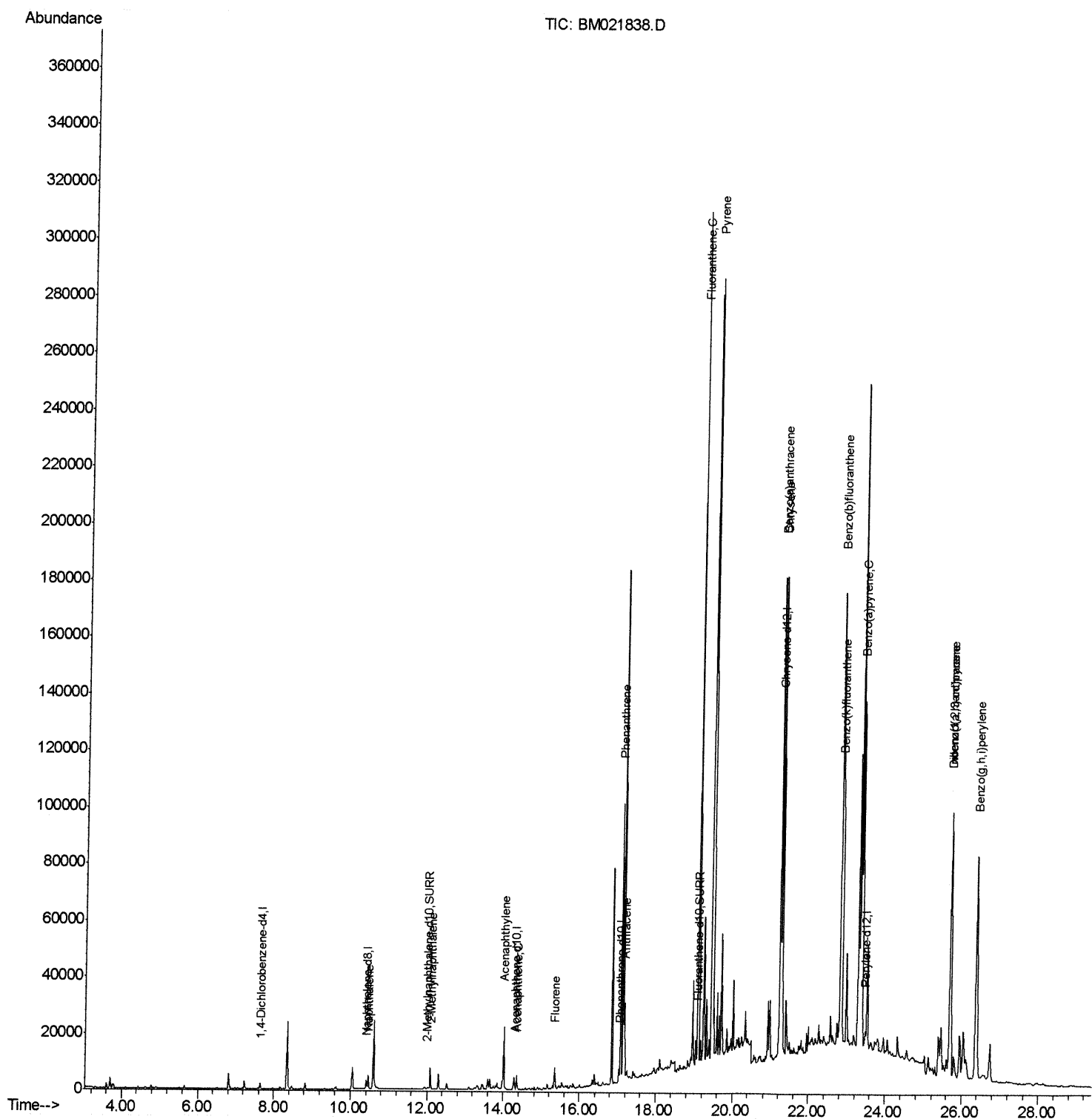
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:57:05 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 05 08:19:16 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

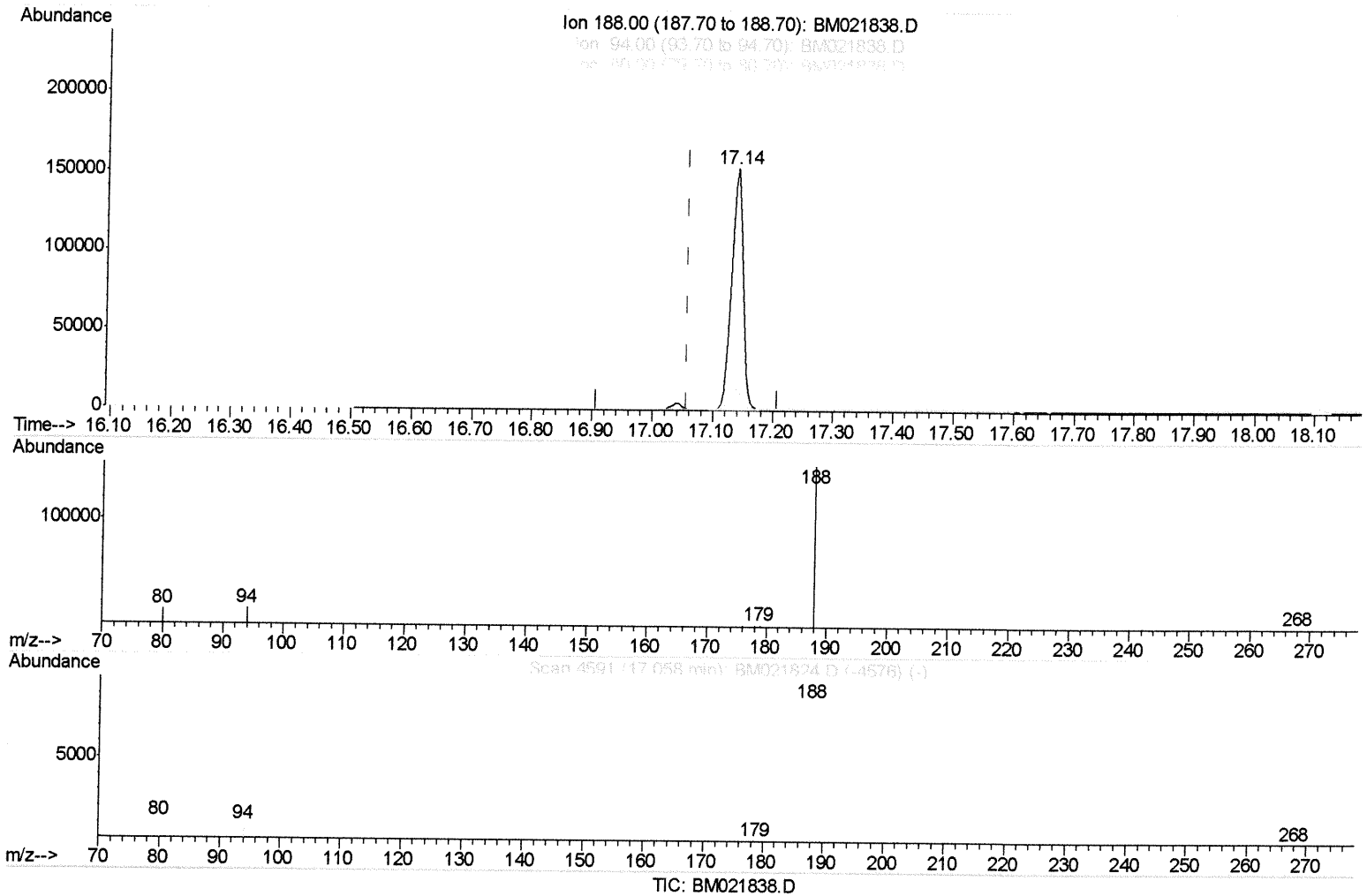
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.138min (+0.080) 0.40ng/ul

response 208108

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	9.57
80.00	11.40	8.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

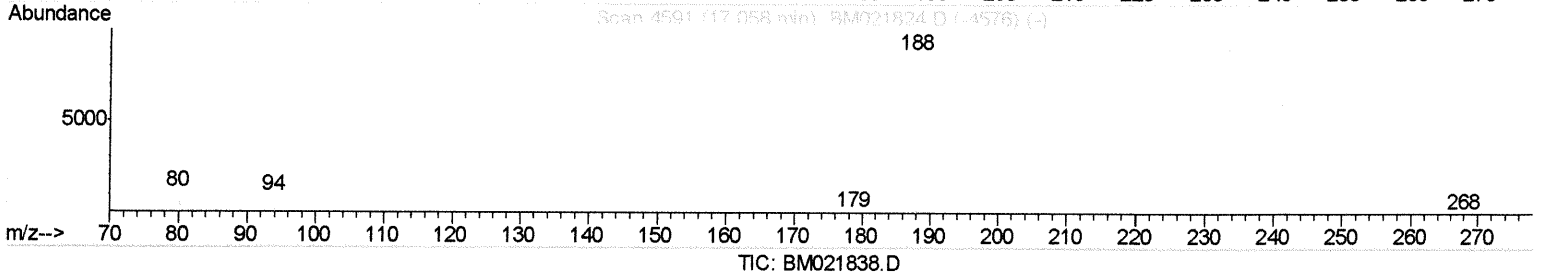
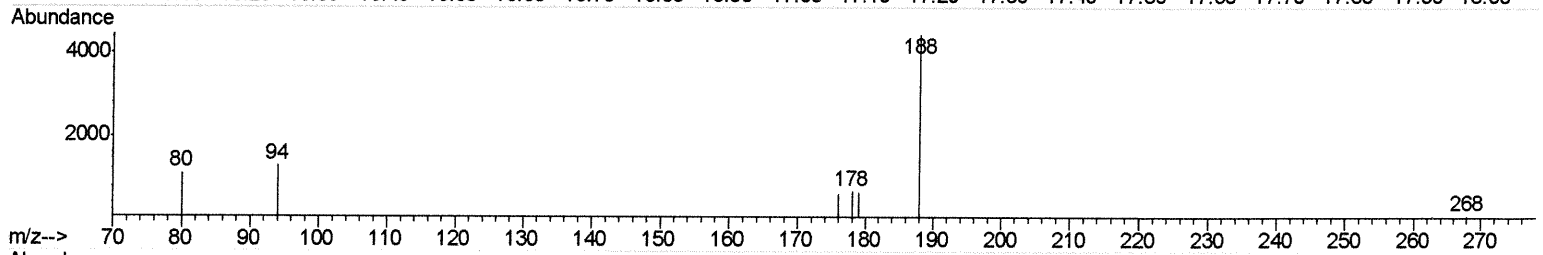
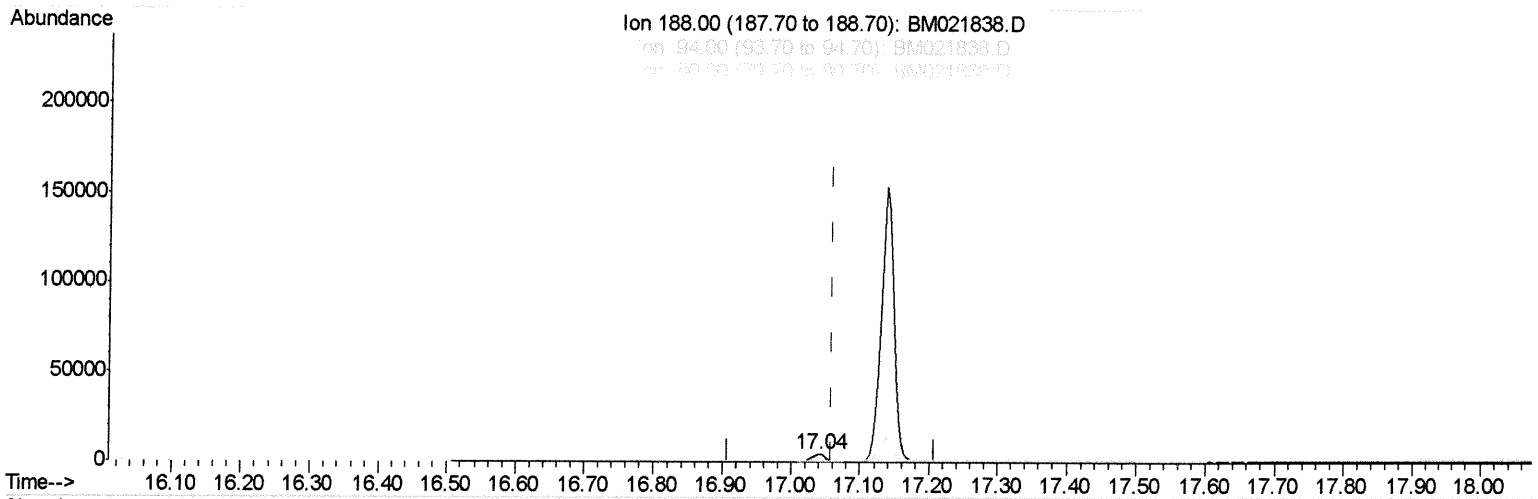
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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 Response via : Initial Calibration



(10) Phenanthrene-d10 (I)

17.041min (-0.017) 0.40ng/ul m

JU
08/05/19

response 6091

Ion	Exp%	Act%
188.00	100	100
94.00	10.40	29.10#
80.00	11.40	24.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

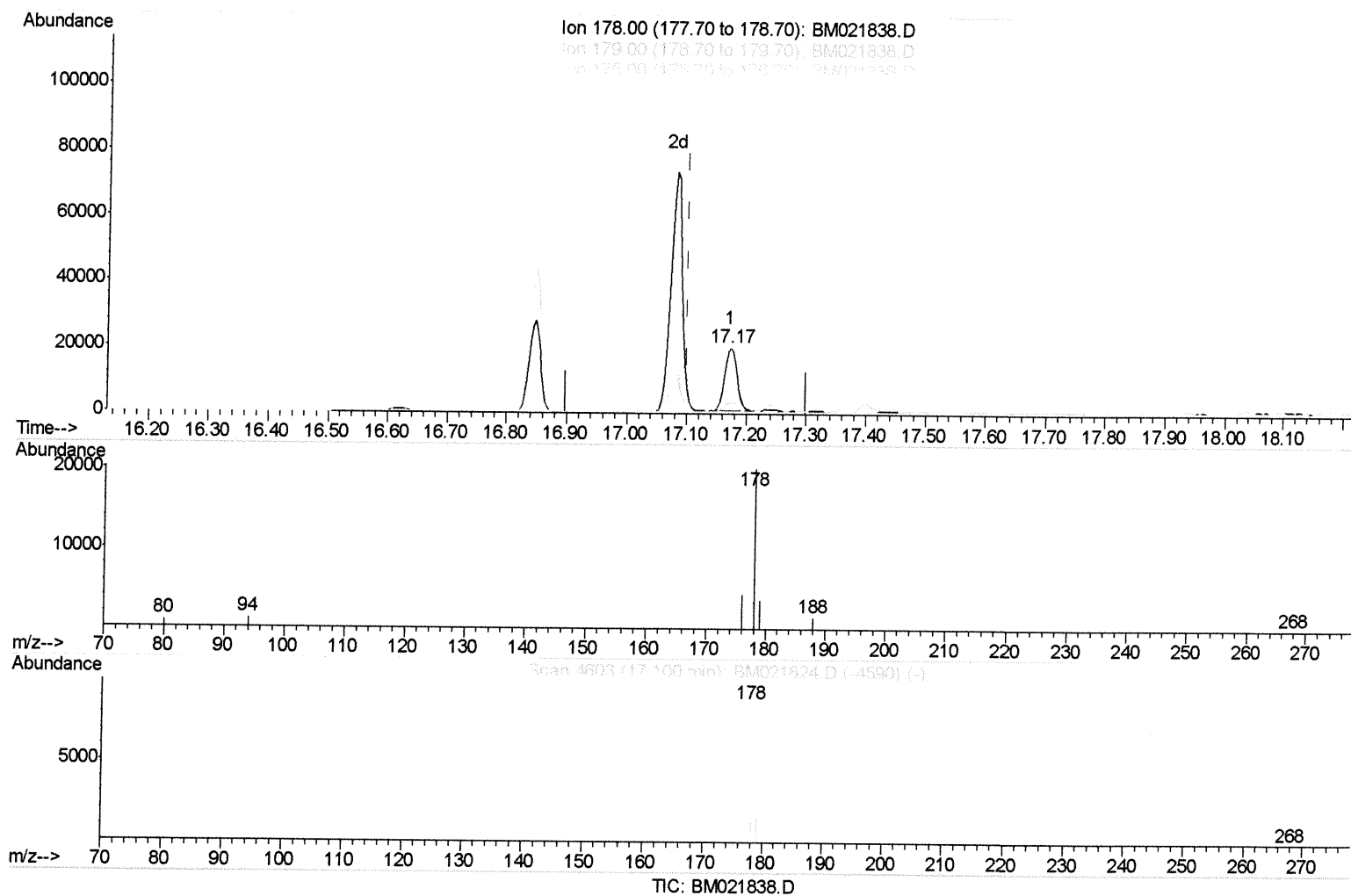
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
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mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration



(12) Phenanthrene

17.173min (+0.073) 1.55ng/ul

response 27383

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	18.07
176.00	21.00	21.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

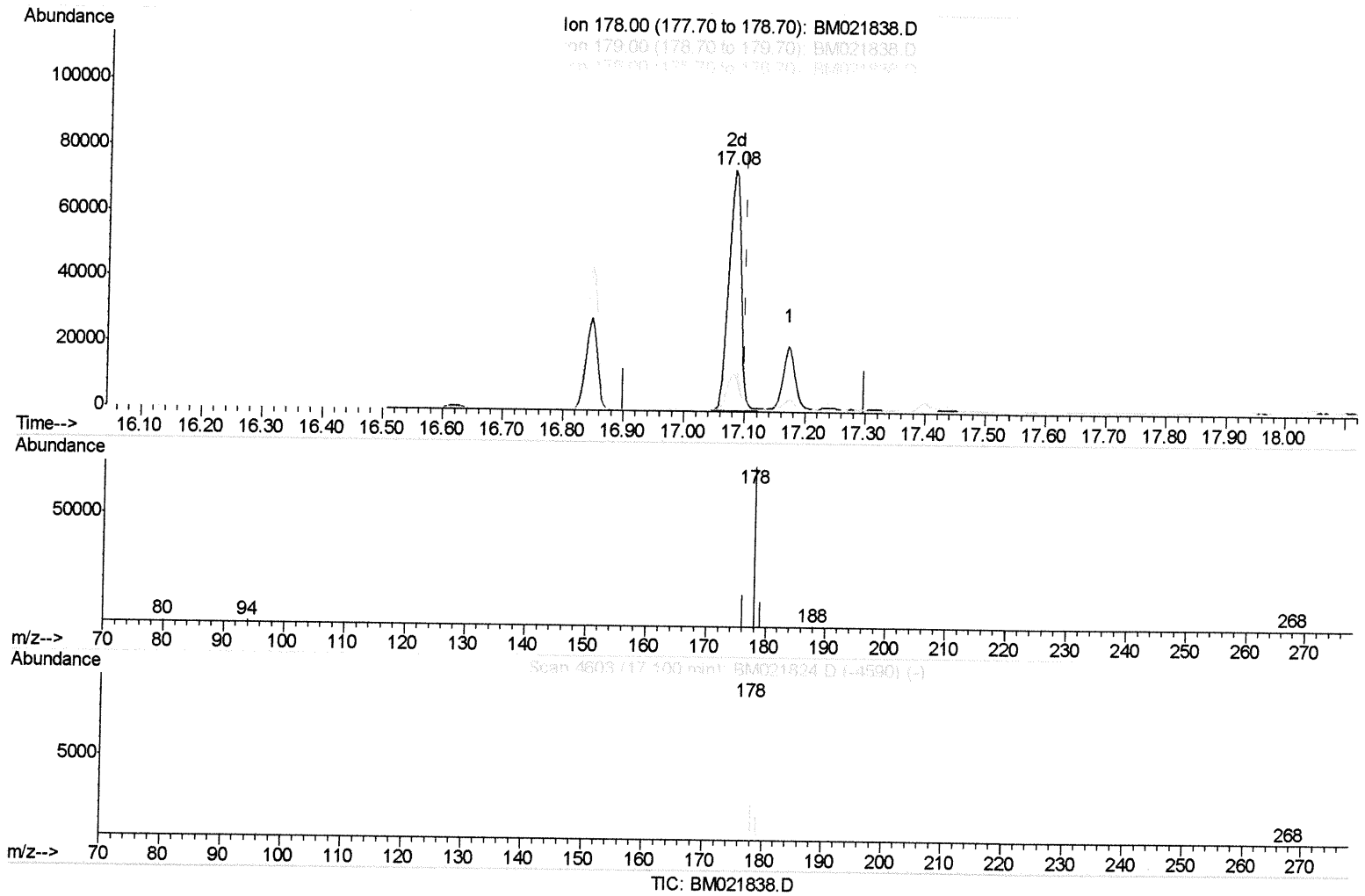
Instrument :
 BNA_M
 Client Sample ID :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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 Response via : Initial Calibration



(12) Phenanthrene

17.079min (-0.021) 5.67ng/ul m *JU 08/05/19*

response 100472

Ion	Exp%	Act%
178.00	100	100
179.00	17.70	15.86
176.00	21.00	19.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

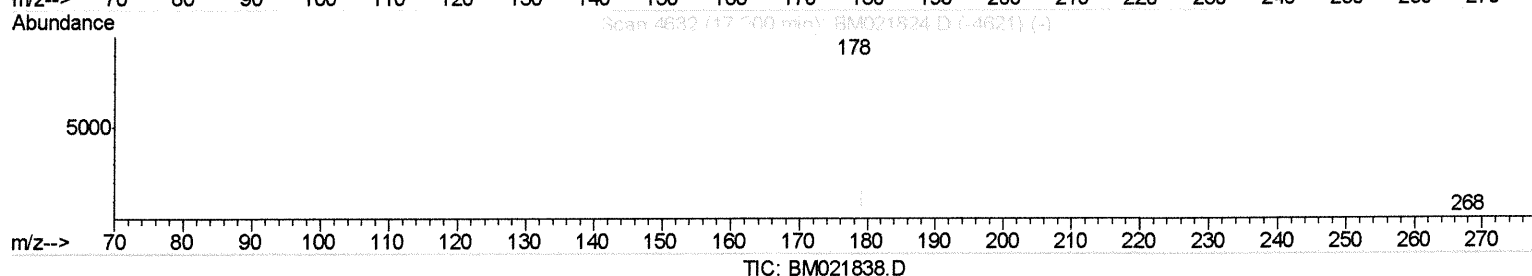
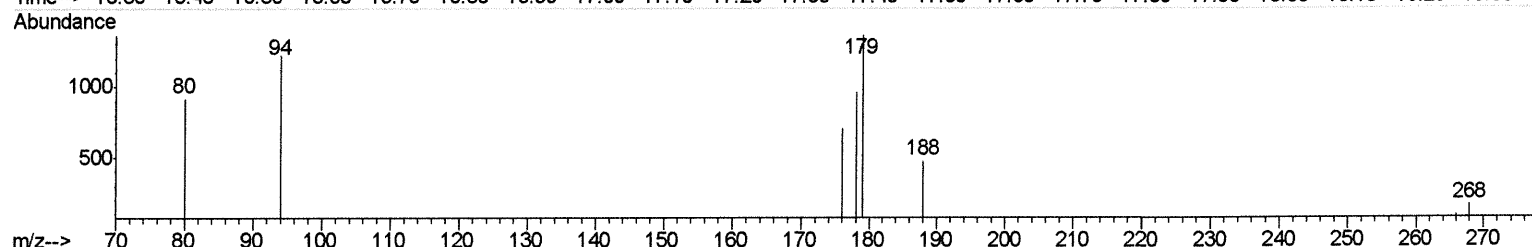
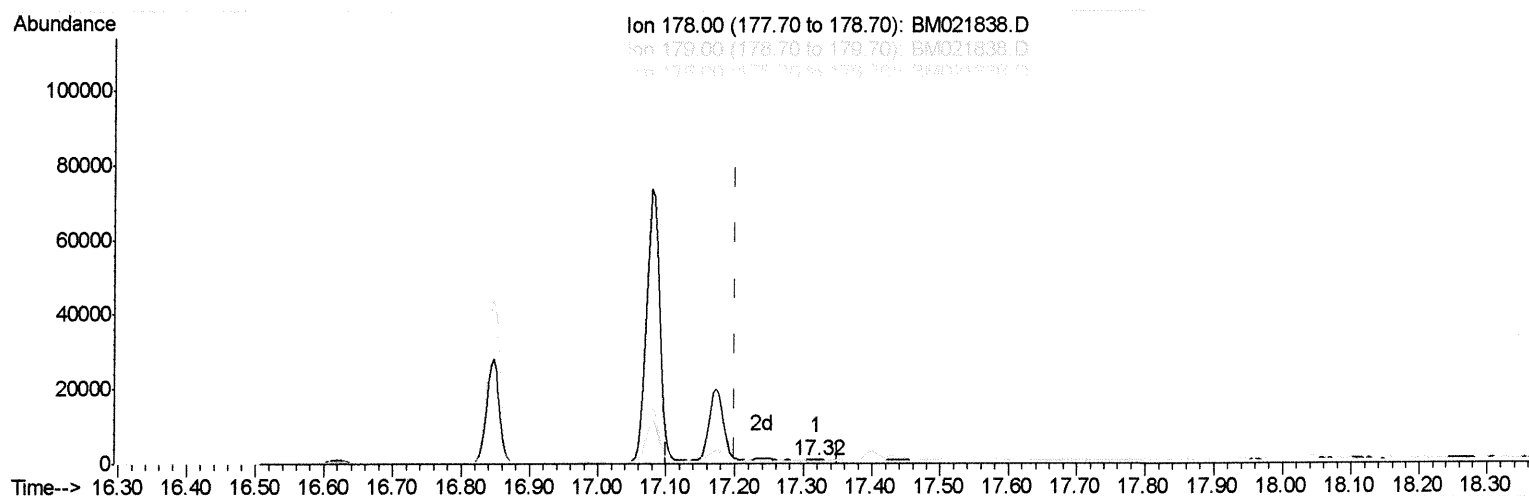
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
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mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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 Response via : Initial Calibration



(13) Anthracene

17.318min (+0.118) 0.03ng/ul

response 434

Ion	Exp%	Act%
178.00	100	100
179.00	19.40	141.64#
176.00	20.80	73.21#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019

The figure displays two plots related to the analysis of compound 178.

The top plot is a Total Ion Chromatogram (TIC) for file BM021838.D. The y-axis represents Abundance, ranging from 0 to 100,000. The x-axis represents Time in minutes, ranging from 16.20 to 18.10. The chromatogram shows several peaks, with the most prominent ones labeled at retention times 16.85, 17.00, 17.17, and 17.30. The peak at 17.17 is the base peak. The peak at 17.30 is labeled '1'.

The bottom plot is a mass spectrum for the peak at 17.17 minutes. The y-axis represents Abundance, ranging from 0 to 20,000. The x-axis represents m/z, ranging from 70 to 270. The mass spectrum shows several peaks, with the most prominent ones labeled at m/z 80, 94, 178, 188, and 268. The peak at m/z 178 is the base peak.

(13) Anthracene

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Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

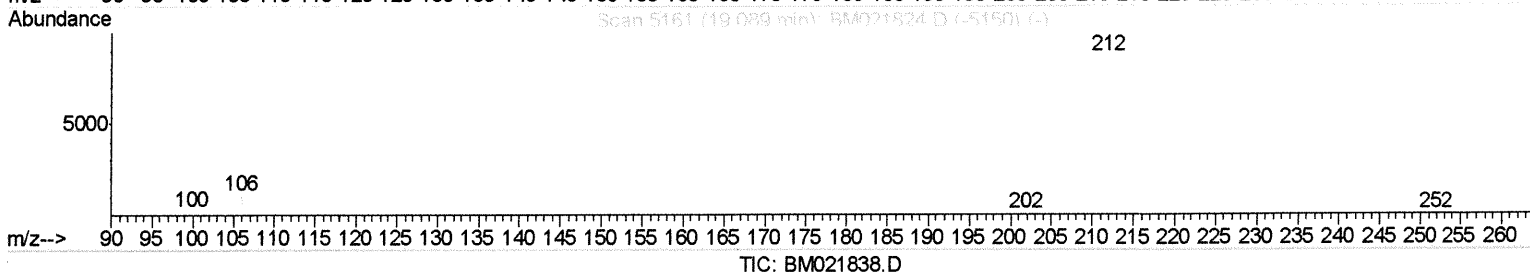
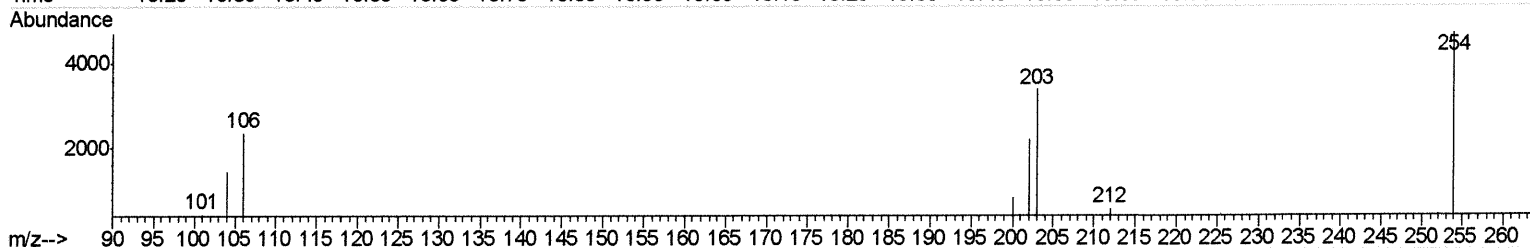
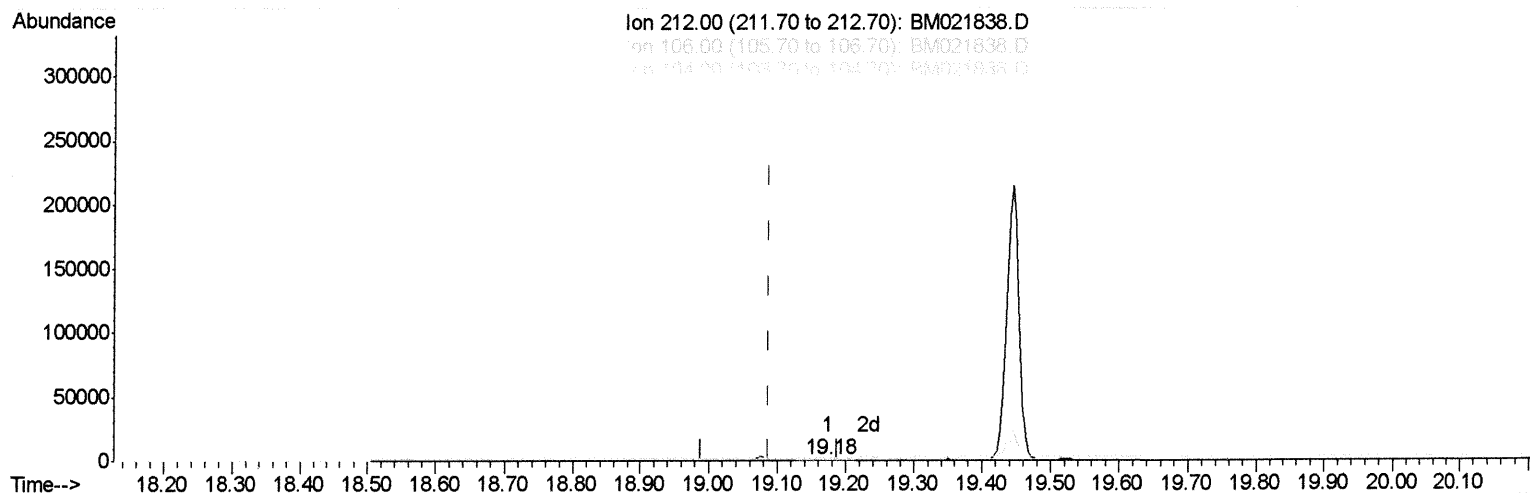
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
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mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
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(14) Fluoranthene-d10 (SURR)

19.176min (+0.088) 0.01ng/ui

response 225

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	32.89#
104.00	6.00	278.22#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

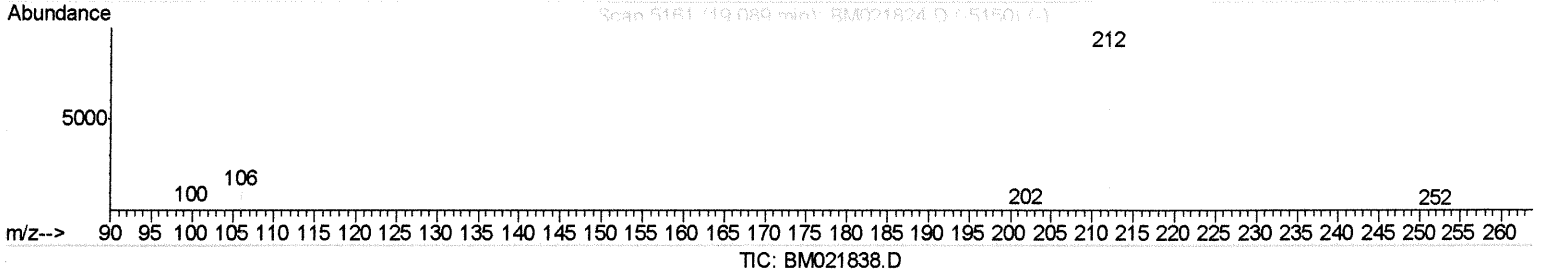
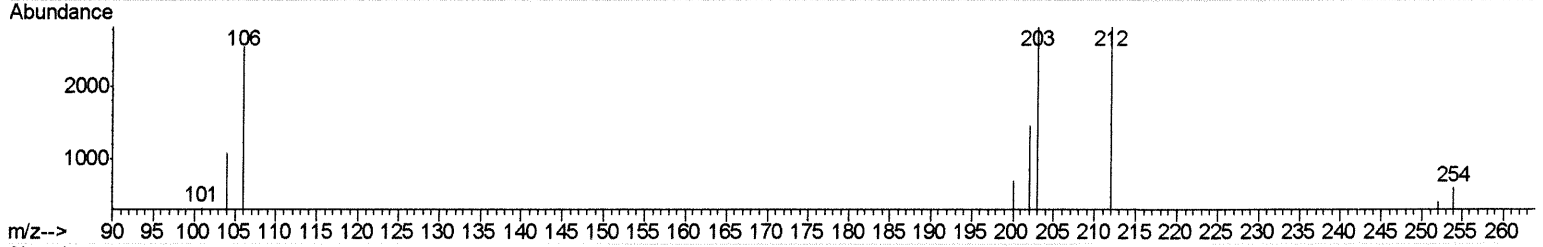
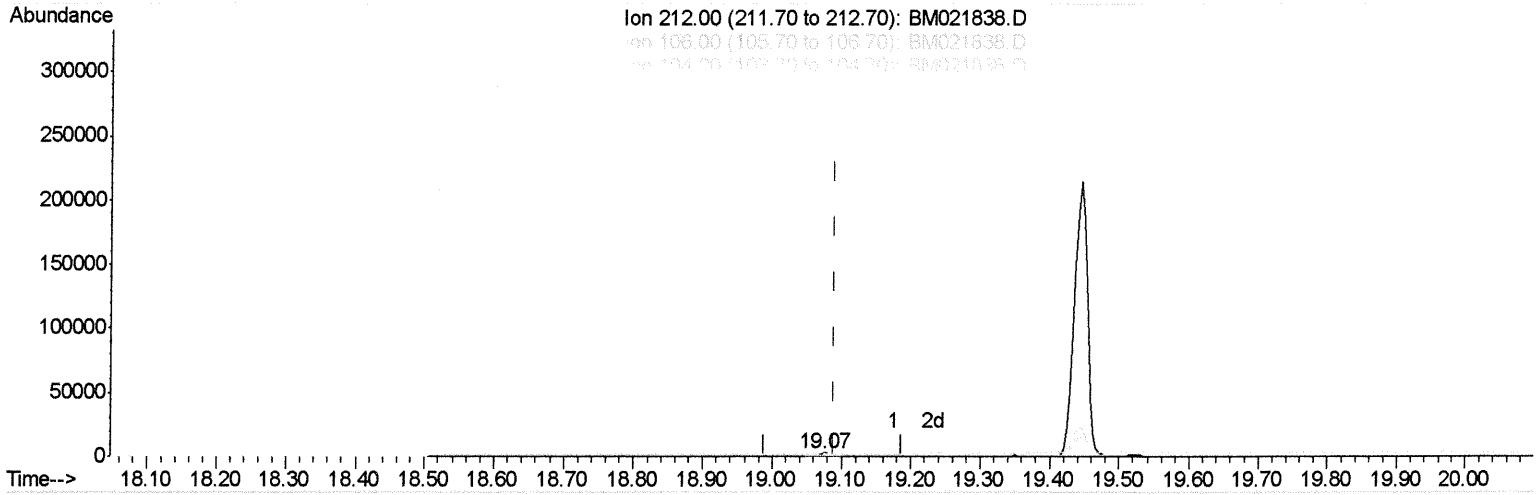
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(14) Fluoranthene-d10 (SURR)

19.073min (-0.015) 0.17ng/ul m

JU
 08/05/19

response 3441

Ion	Exp%	Act%
212.00	100	100
106.00	9.90	2.15#
104.00	6.00	18.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

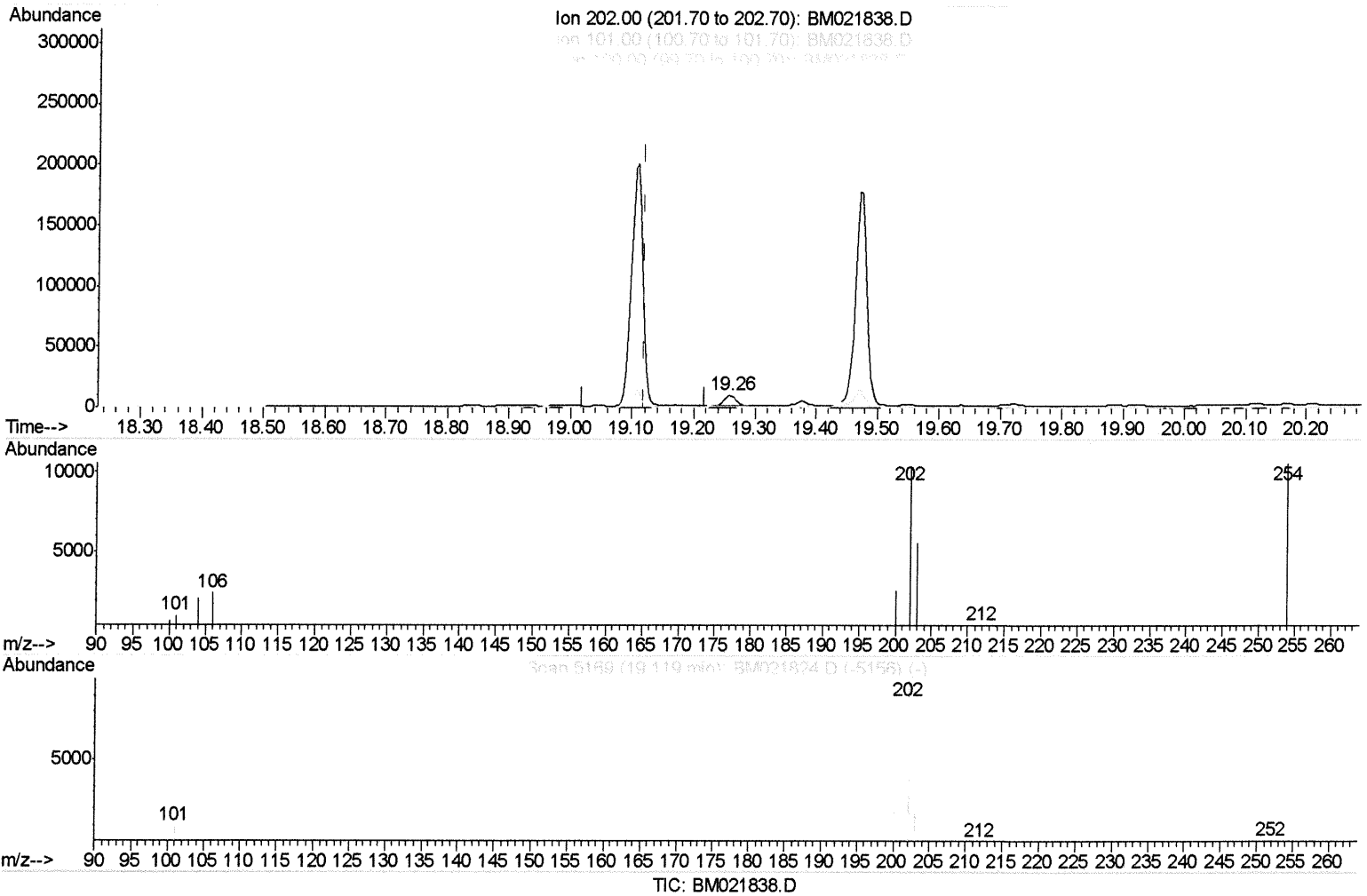
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(15) Fluoranthene (C)

19.260min (+0.141) 0.47ng/ul

response 11209

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	10.18
100.00	8.10	7.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

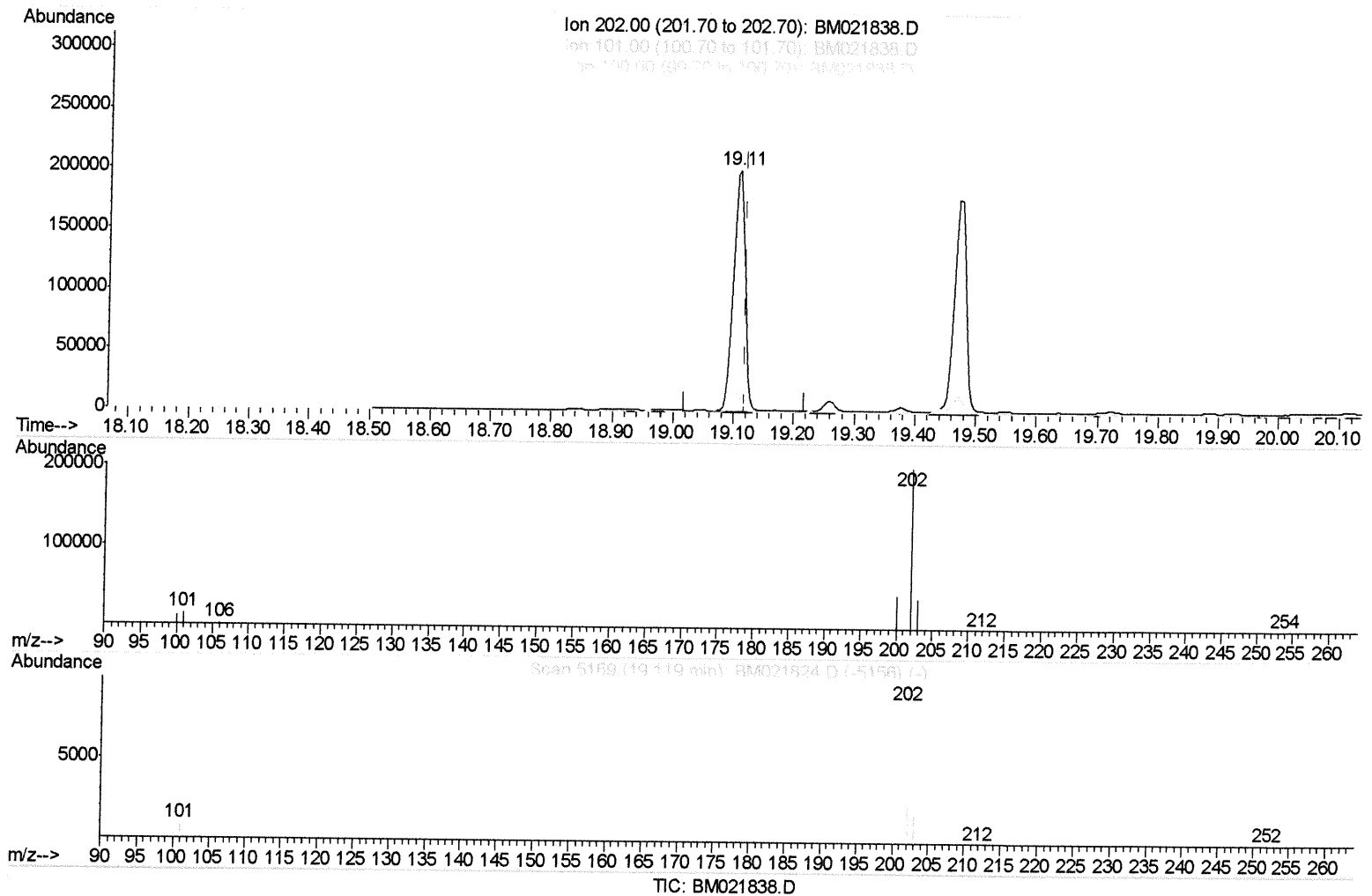
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration



(15) Fluoranthene (C)

19.108min (-0.011) 11.11ng/ul m *JU 08/05/19*

response 263735

Ion	Exp%	Act%
202.00	100	100
101.00	10.20	7.22
100.00	8.10	5.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

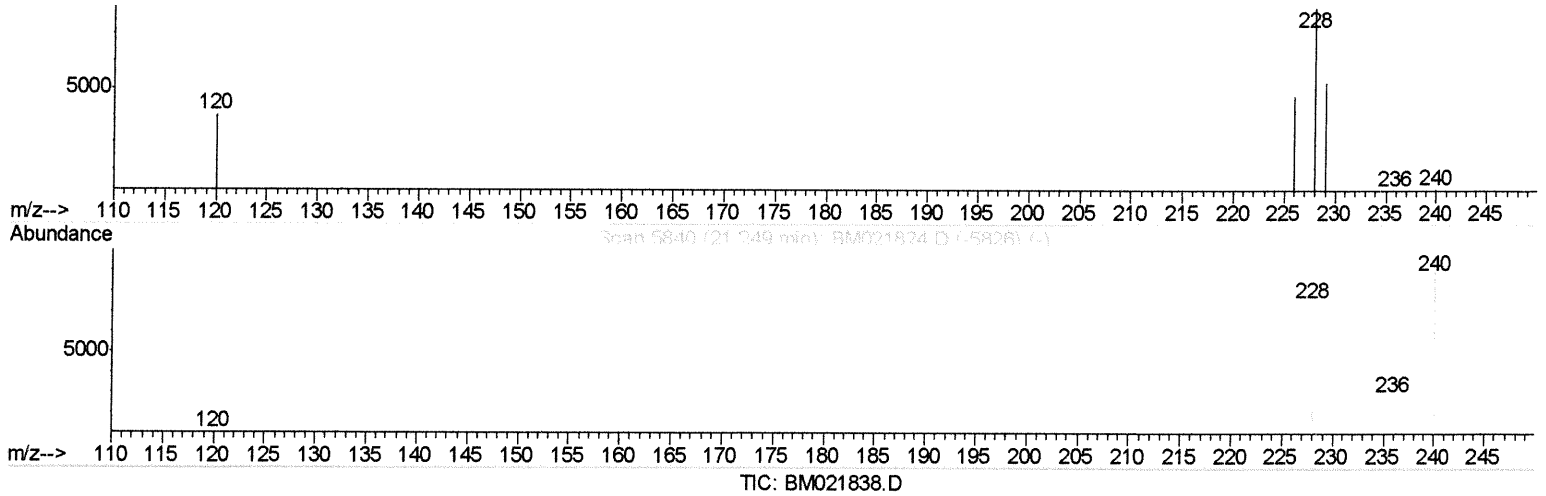
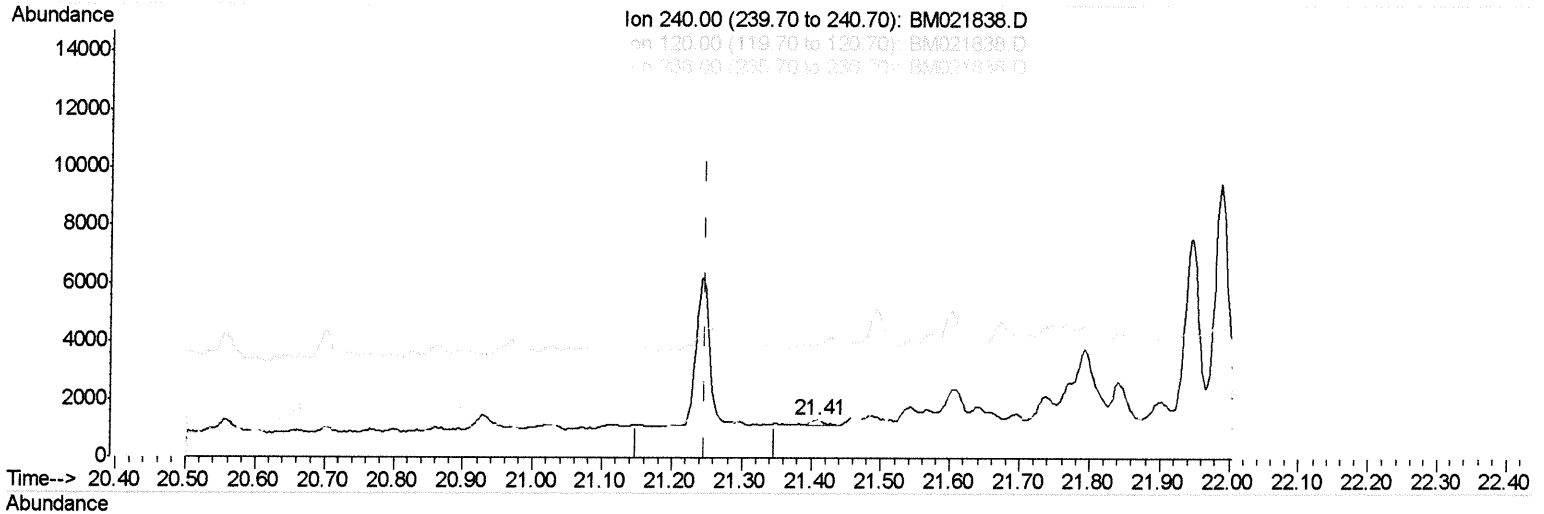
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
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 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.408min (+0.160) 0.40ng/ul

response 247

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	302.35#
236.00	32.30	97.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

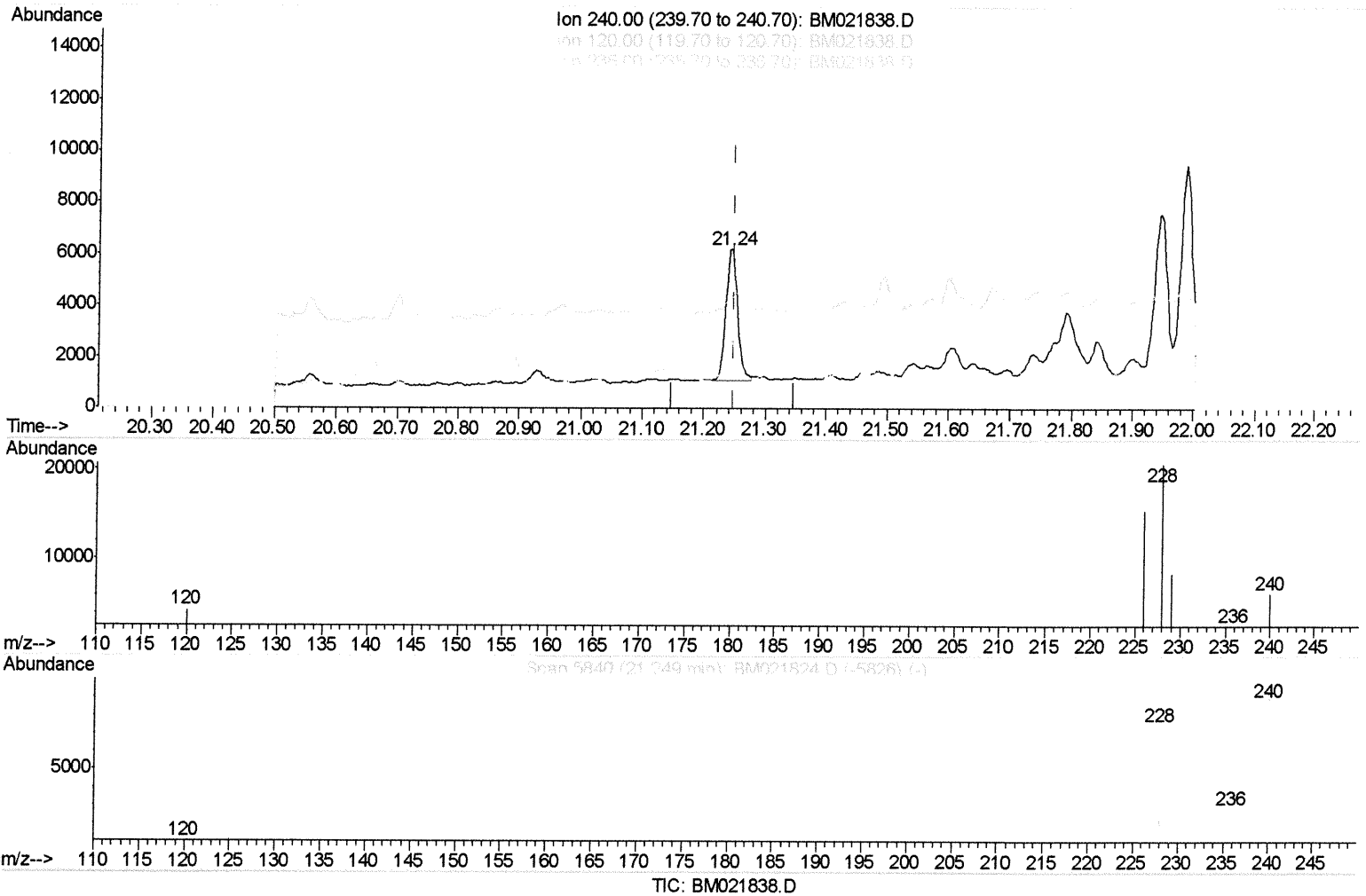
Instrument :
 BNA_M
 ClientSampled :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:51:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(16) Chrysene-d12 (I)

21.244min (-0.005) 0.40ng/ul m

JU
 08/05/19

response 6850

Ion	Exp%	Act%
240.00	100	100
120.00	16.20	69.61#
236.00	32.30	42.76#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

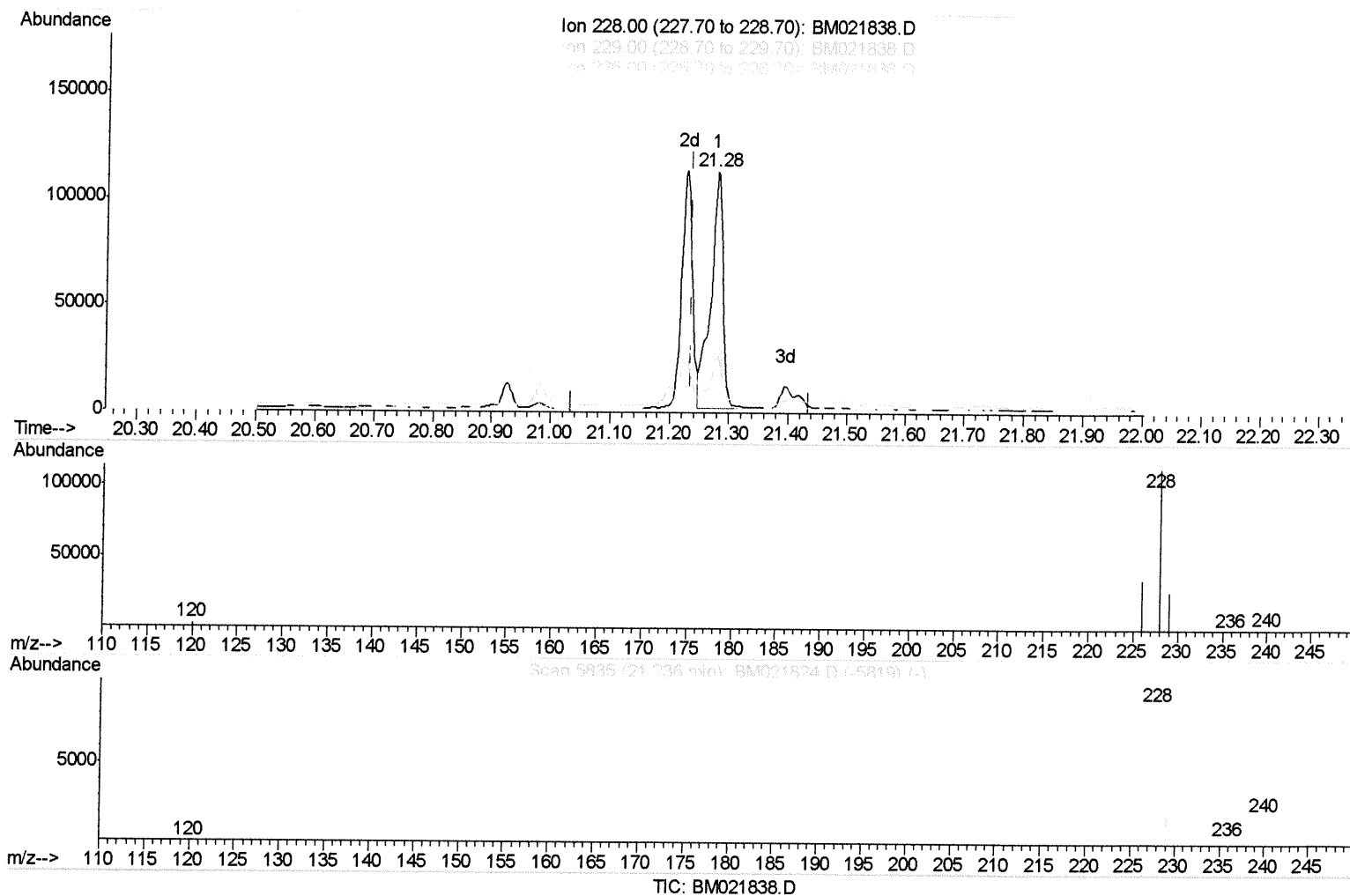
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
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(18) Benzo(a)anthracene

21.278min (+0.041) 6.65ng/ul

response 162944

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	24.10
226.00	28.30	31.66
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

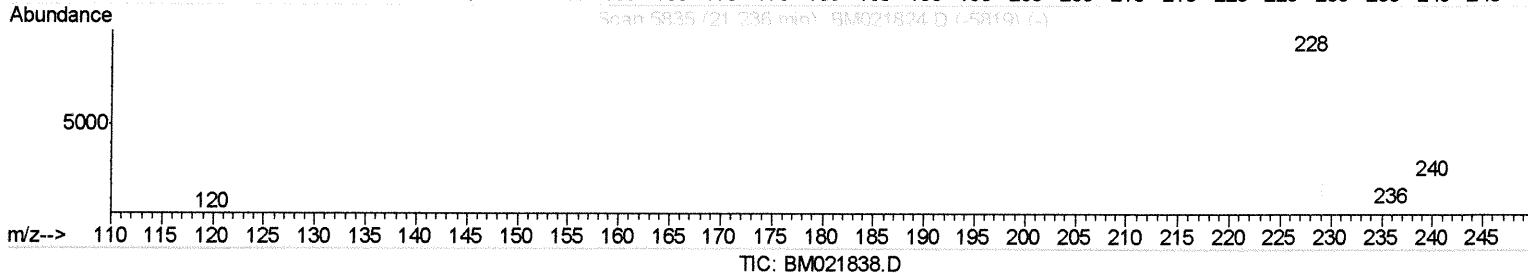
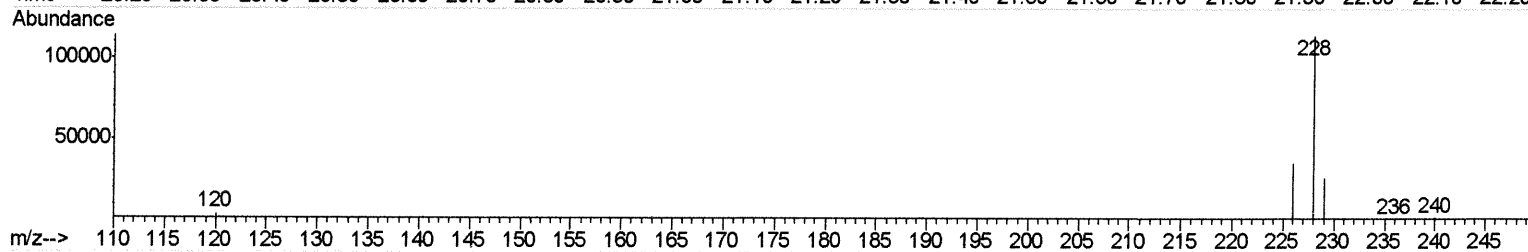
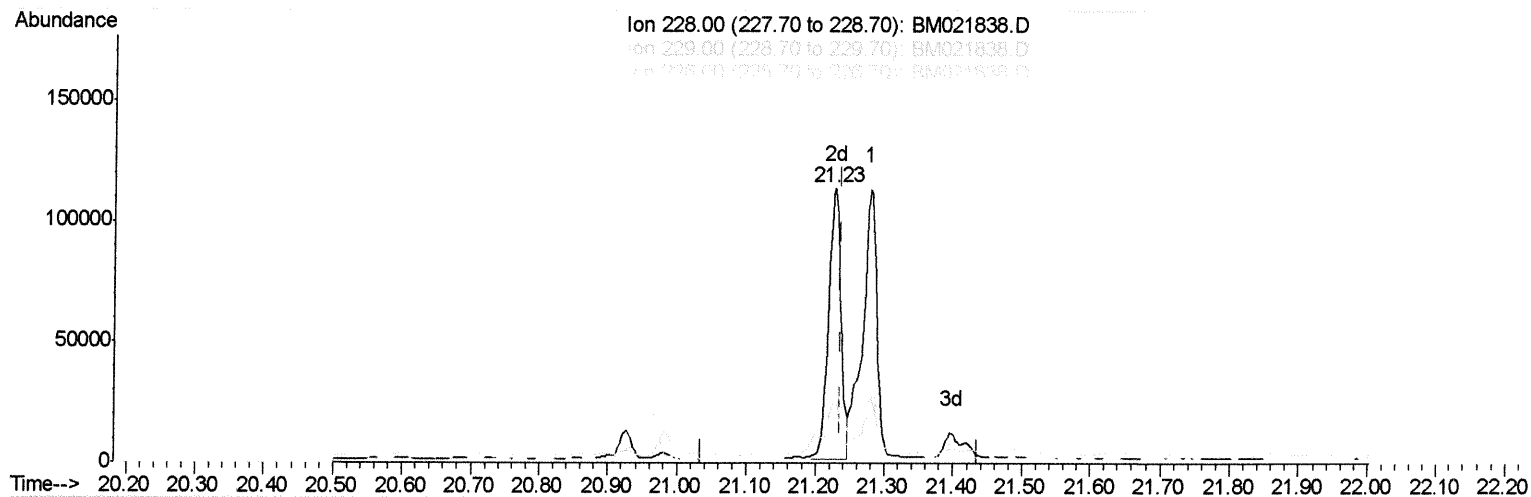
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
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(18) Benzo(a)anthracene

21.227min (-0.010) 5.85ng/ul m *JU* 08/05/19

response 143327

Ion	Exp%	Act%
228.00	100	100
229.00	21.50	23.20
226.00	28.30	30.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

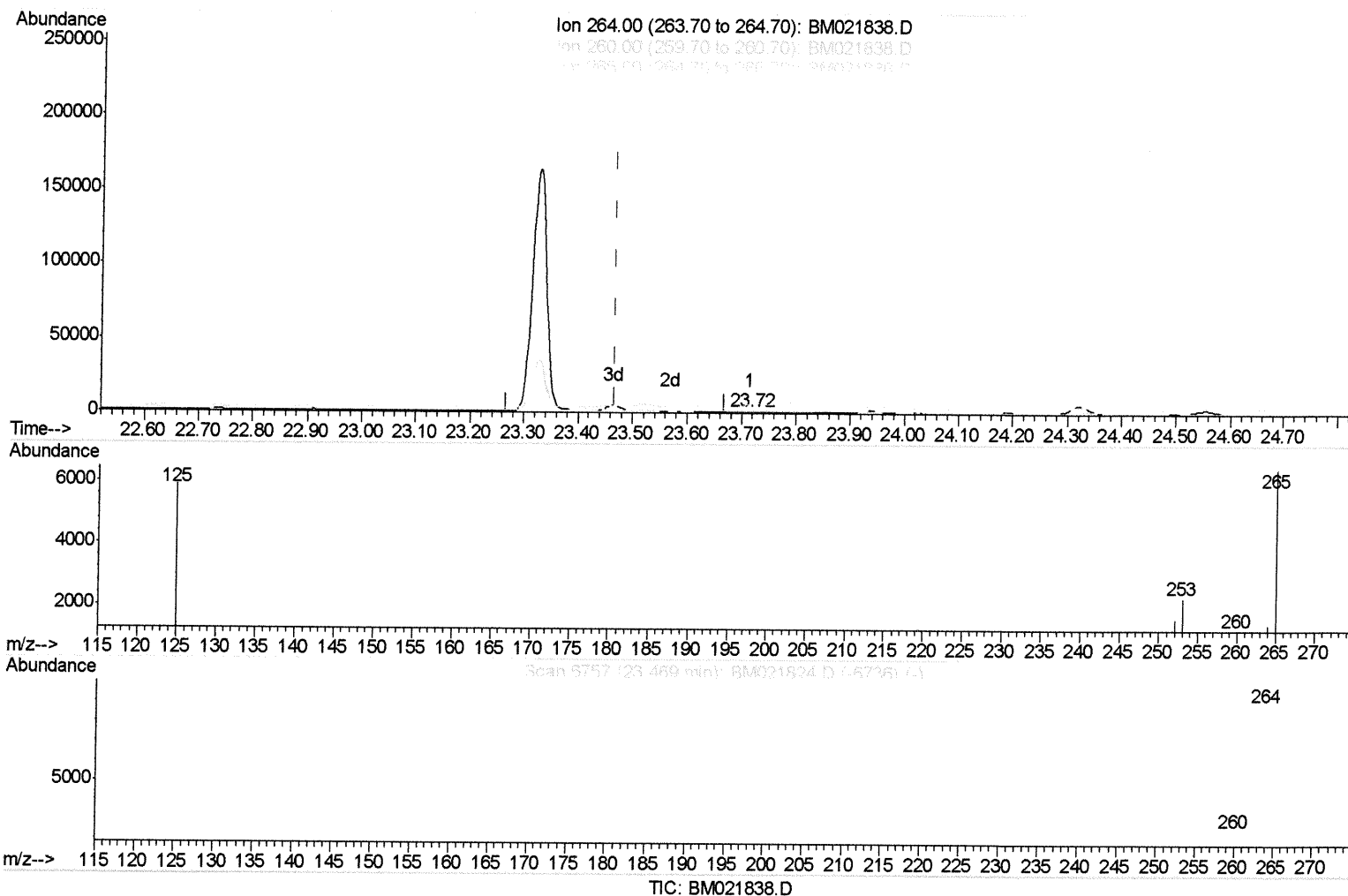
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
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(20) Perylene-d12 (I)

23.716min (+0.247) 0.40ng/ul

response 2770

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	87.47#
265.00	117.00	455.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

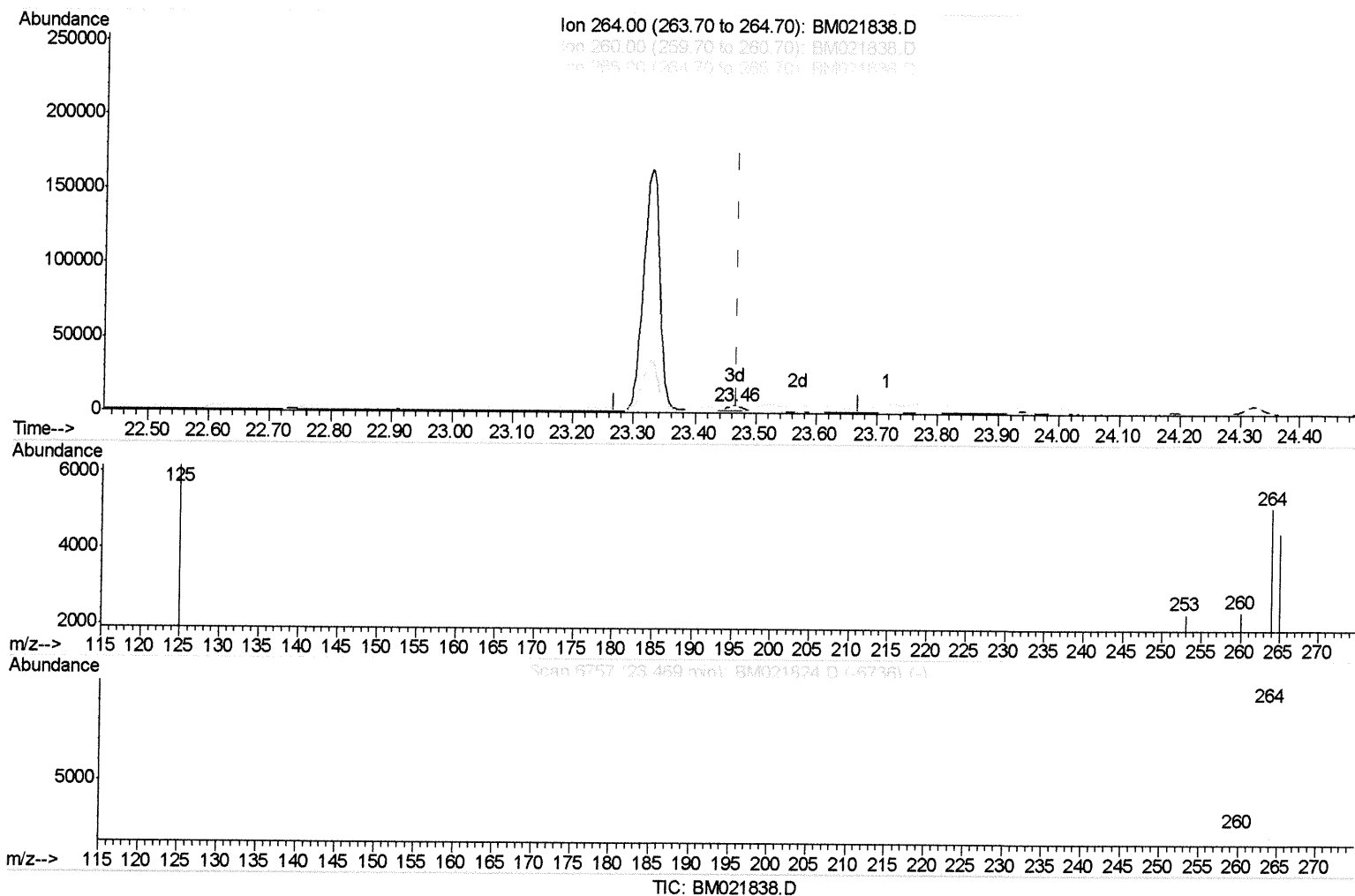
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
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(20) Perylene-d12 (I)

23.464min (-0.005) 0.40ng/ul m

Ju 08/05/19

response 6879

Ion	Exp%	Act%
264.00	100	100
260.00	27.50	46.86#
265.00	117.00	86.84#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

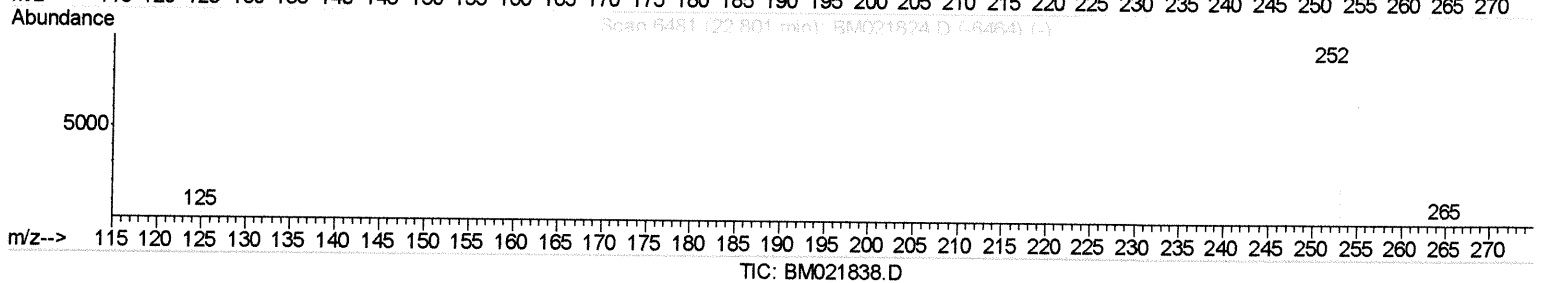
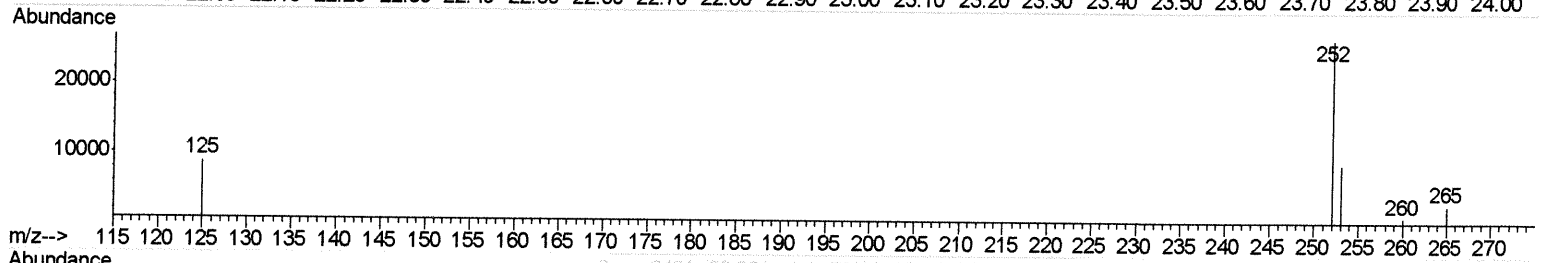
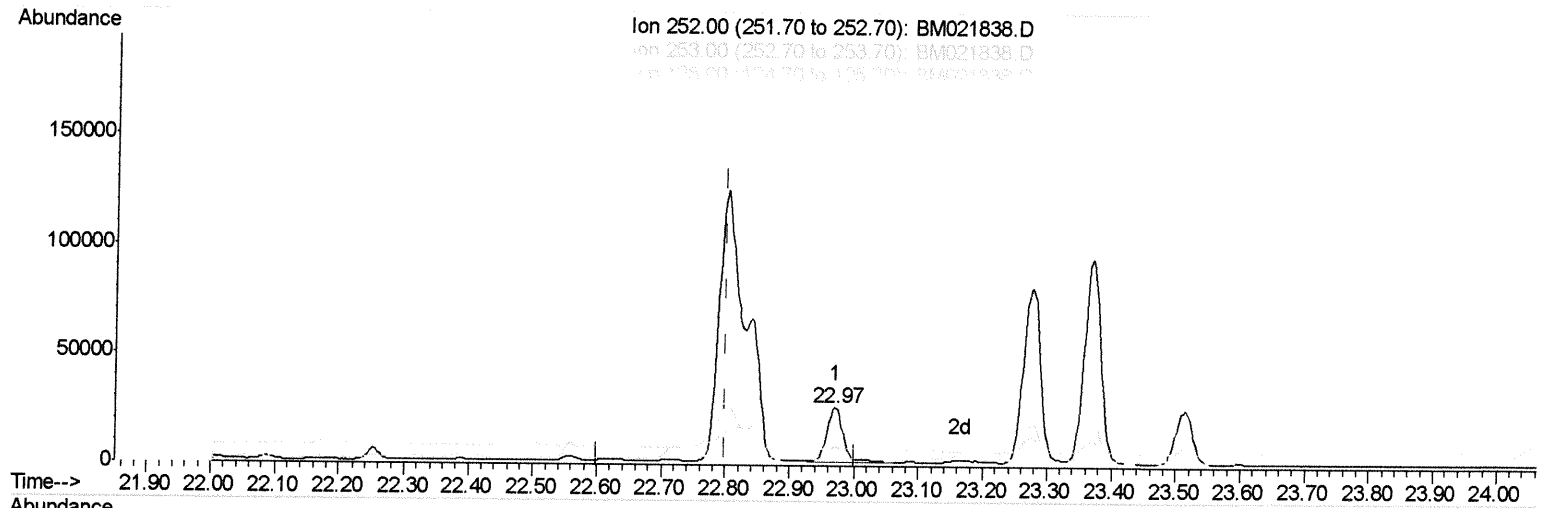
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.970min (+0.170) 1.92ng/ul

response 44460

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	33.58
125.00	15.50	33.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

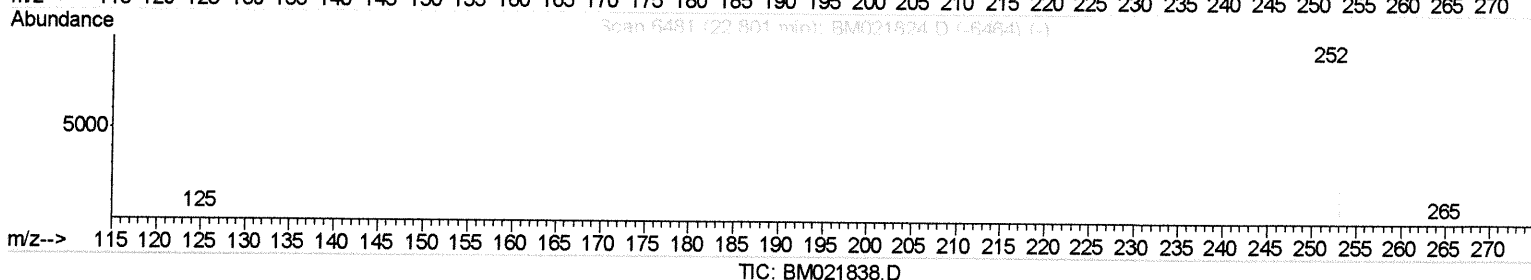
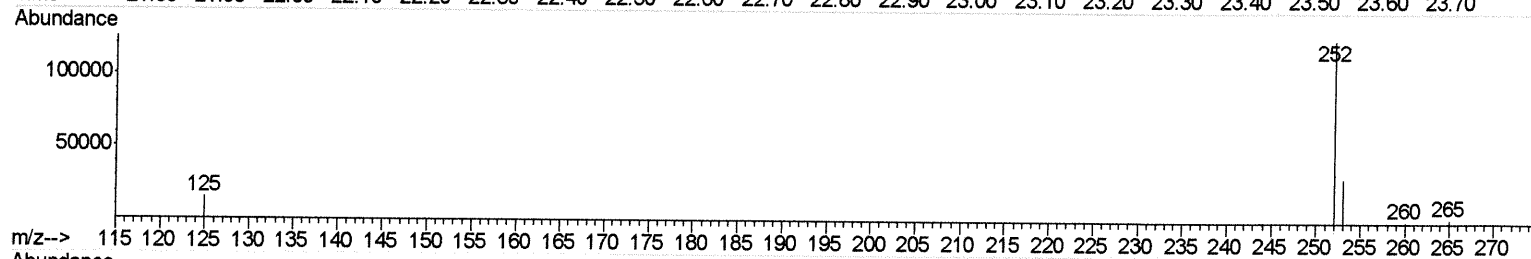
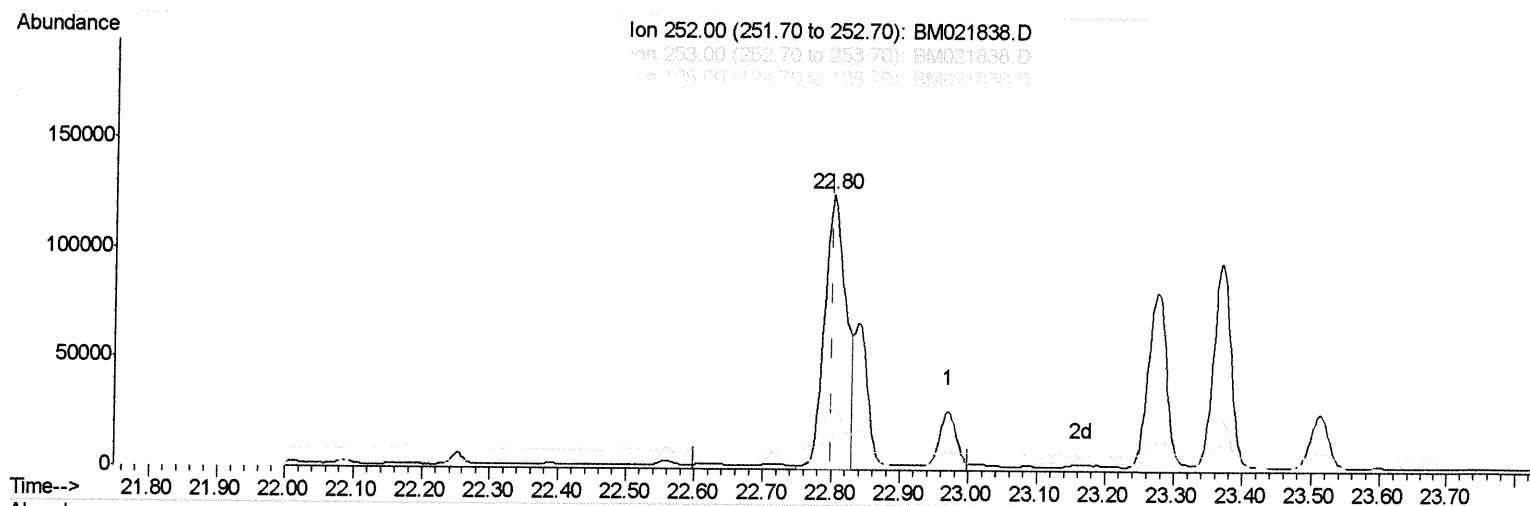
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

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8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.801min (-0.000) 11.82ng/ul m *JU or lost 19*

response 274197

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	24.26
125.00	15.50	12.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

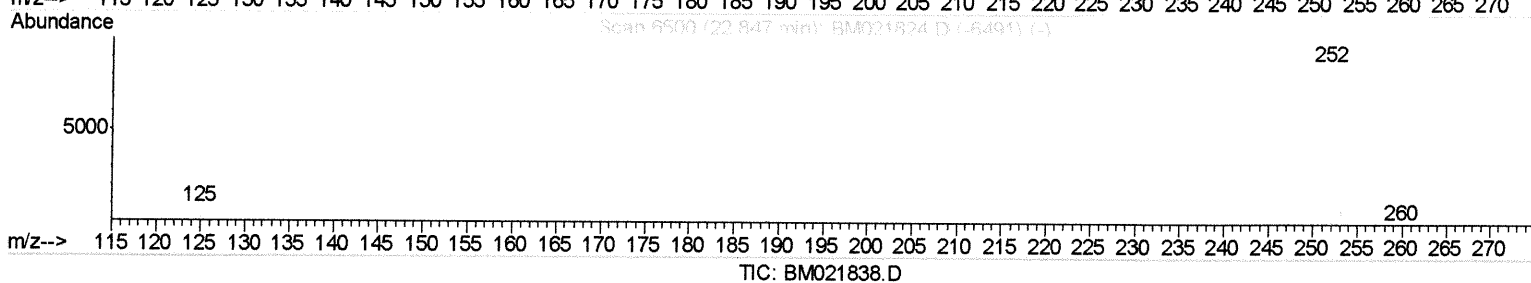
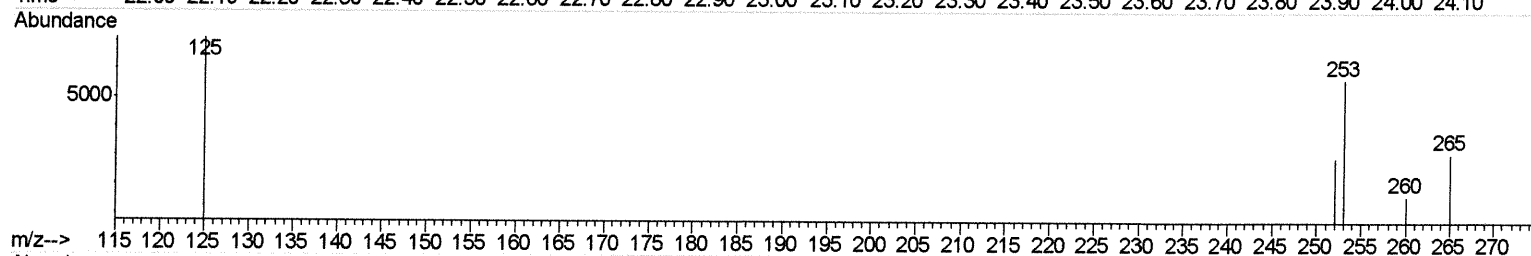
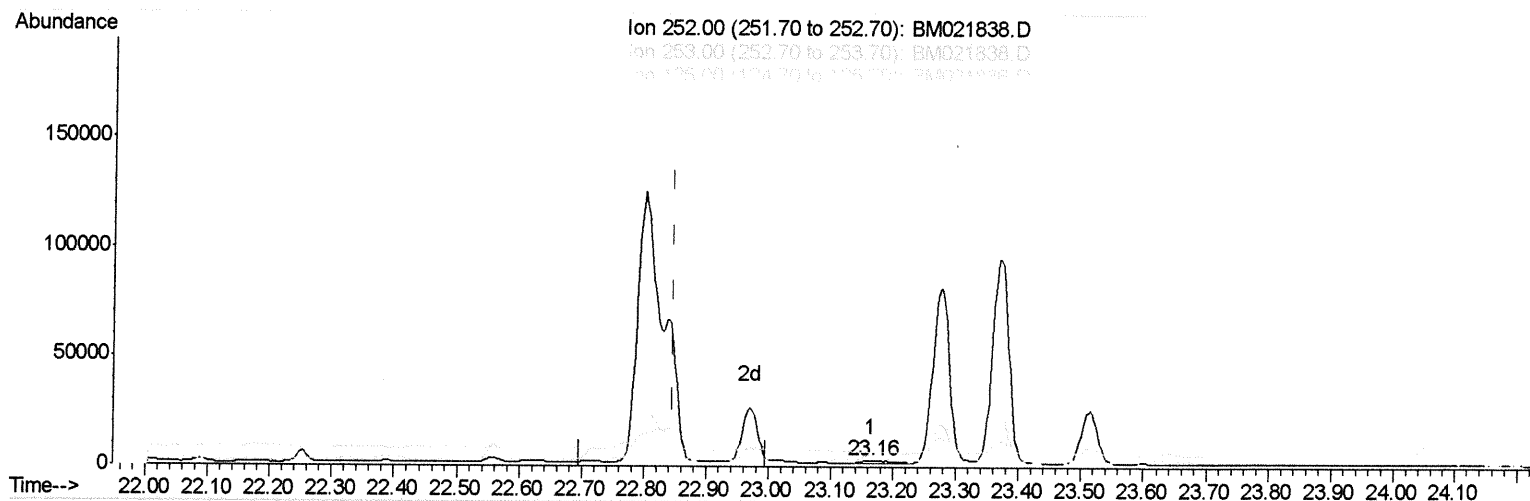
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

23.164min (+0.317) 0.11ng/ul

response 2767

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	191.32#
125.00	15.20	238.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

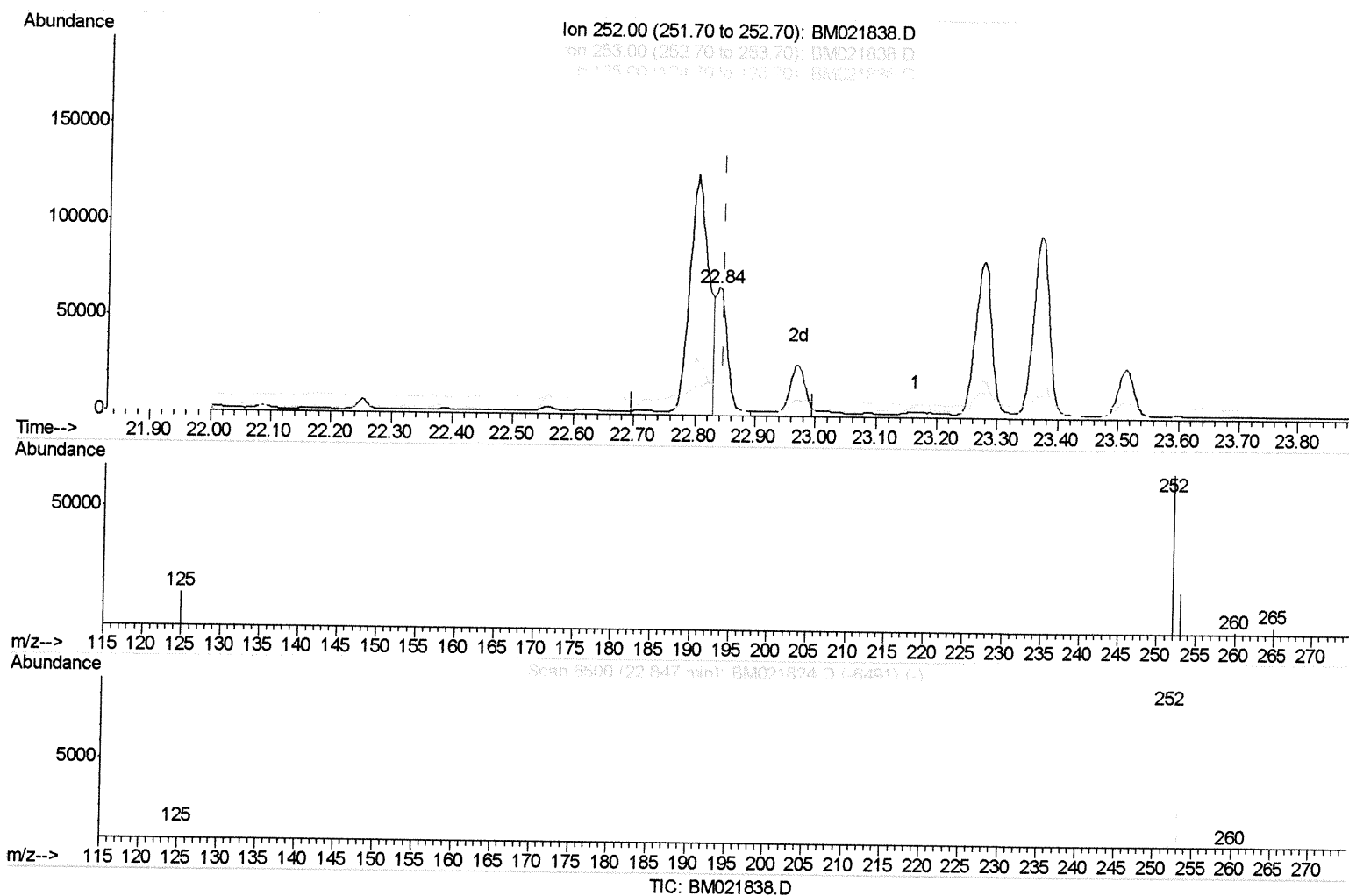
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.837min (-0.010) 3.64ng/ul m

JU
08/05/19

response 95496

Ion	Exp%	Act%
252.00	100	100
253.00	33.70	26.26#
125.00	15.20	21.91#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

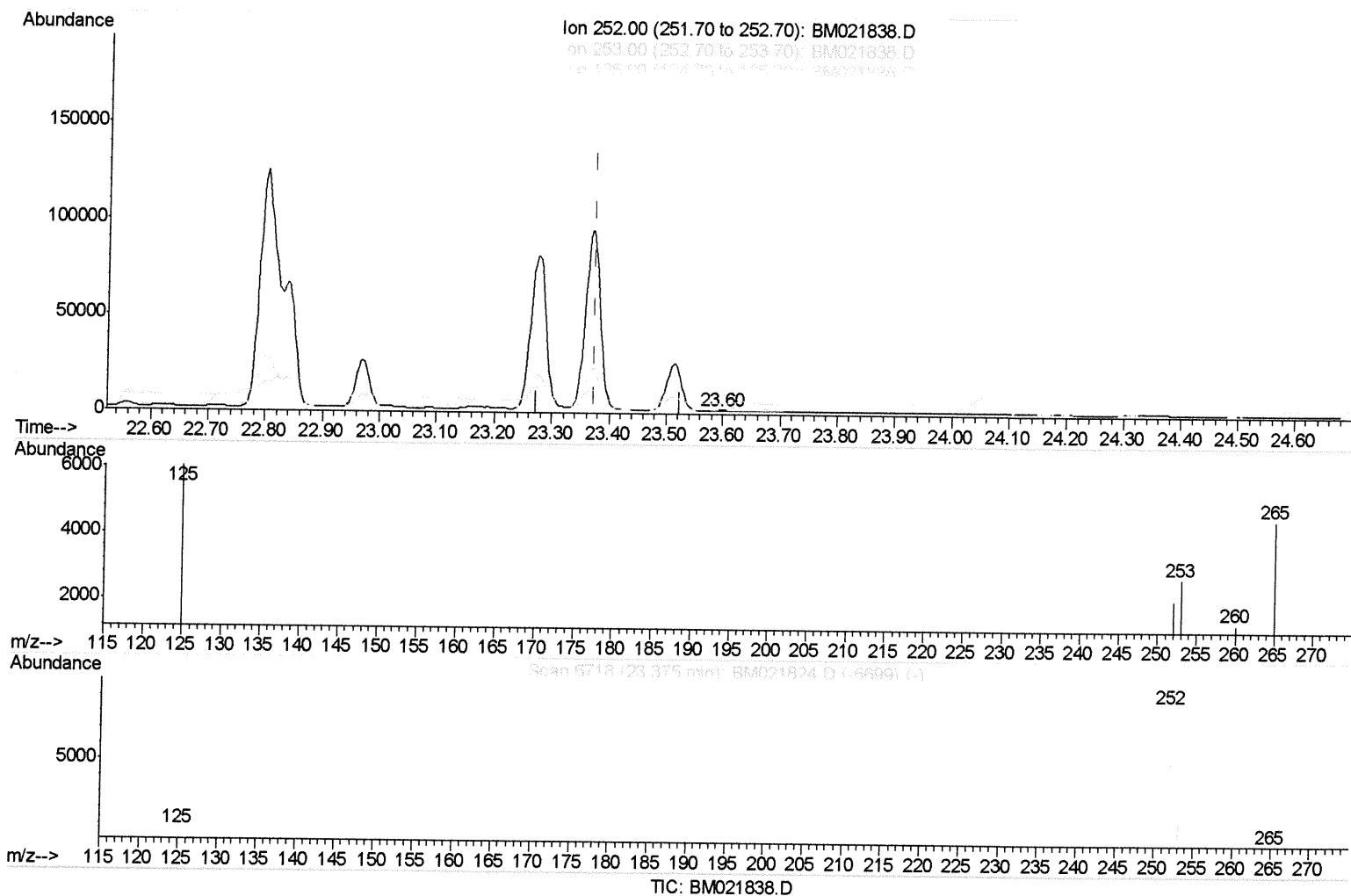
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
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8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.595min (+0.220) 0.08ng/ul

response 1975

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	132.42#
125.00	18.20	290.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

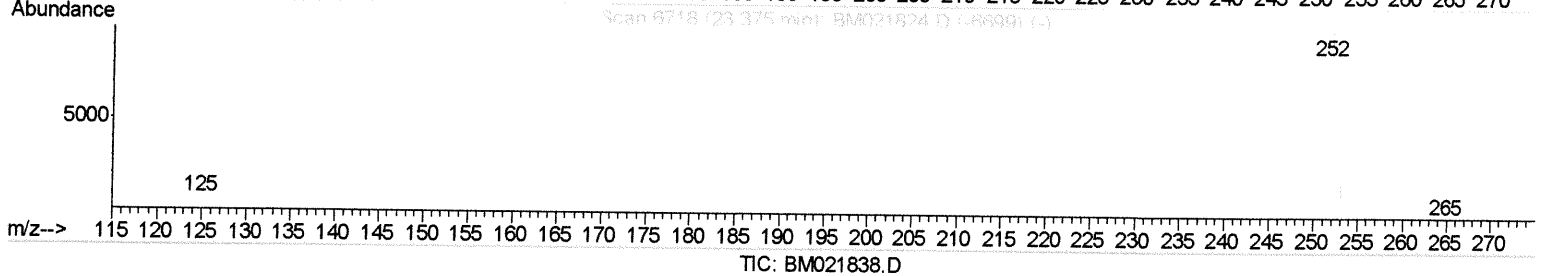
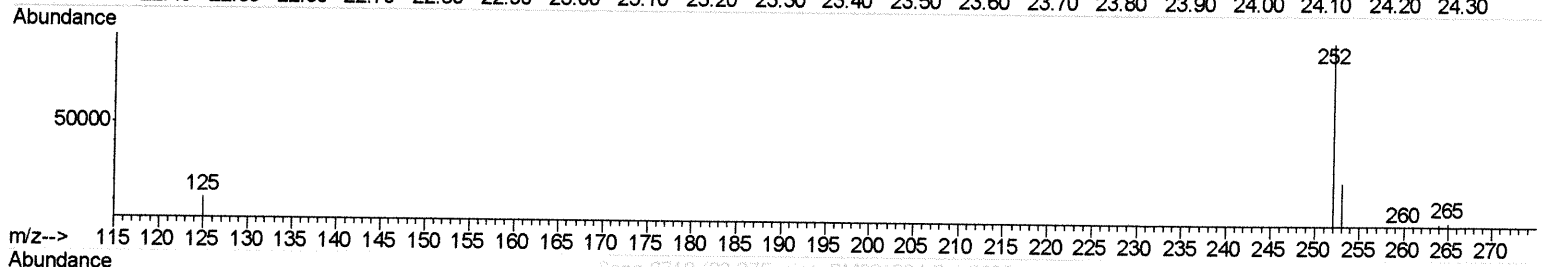
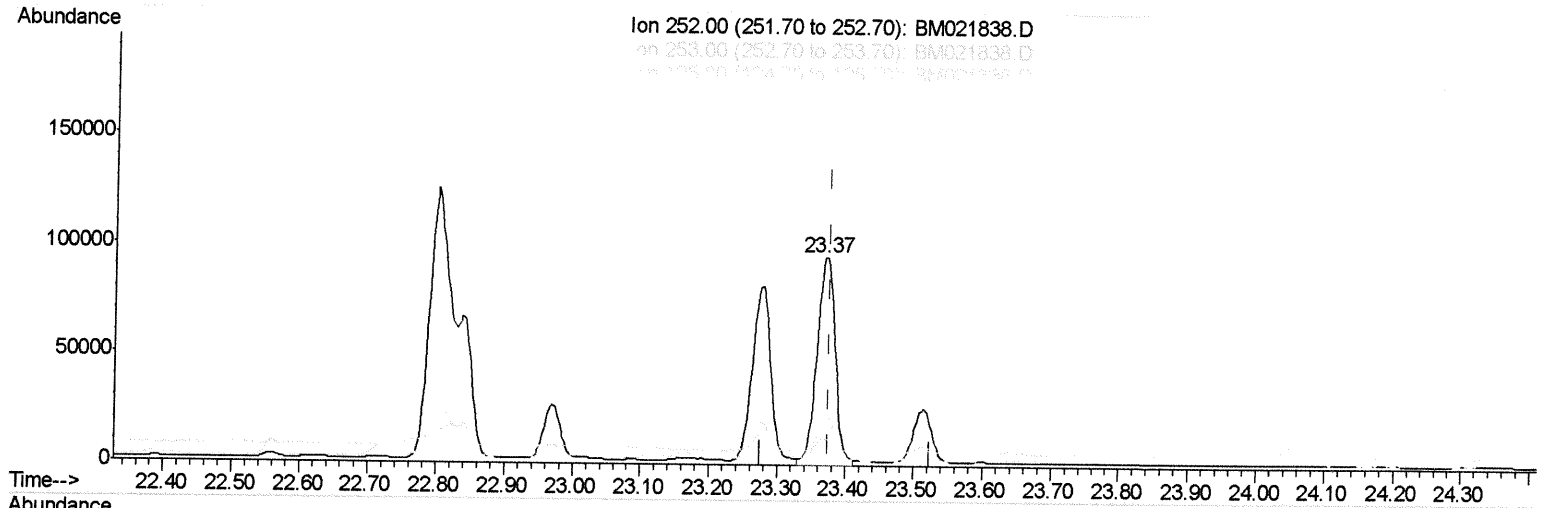
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C) *JU 08/05/19*
 23.368min (-0.007) 7.56ng/ul m

response 178281

Ion	Exp%	Act%
252.00	100	100
253.00	39.60	24.96#
125.00	18.20	12.85#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

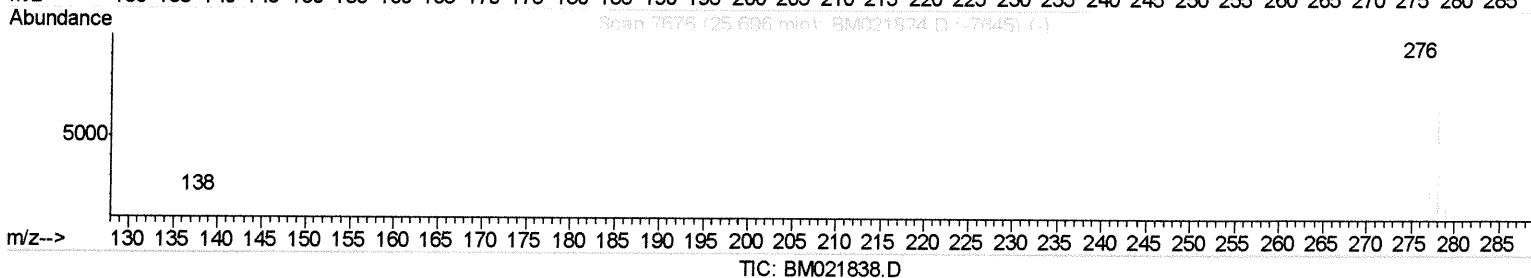
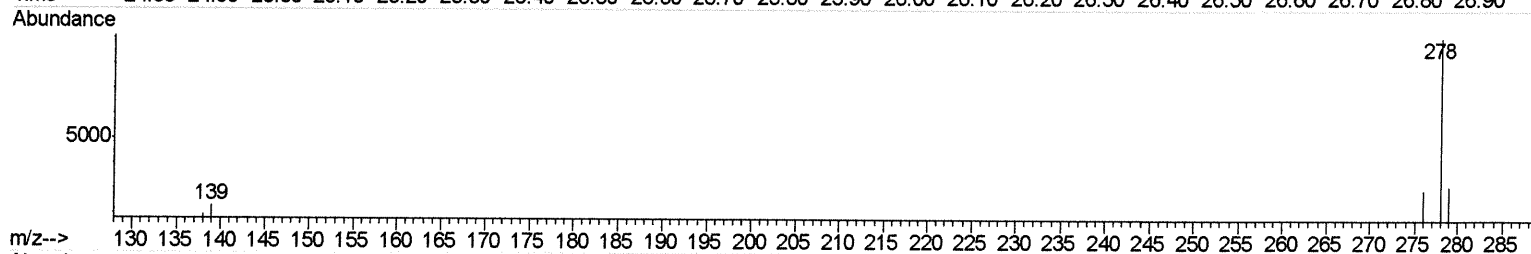
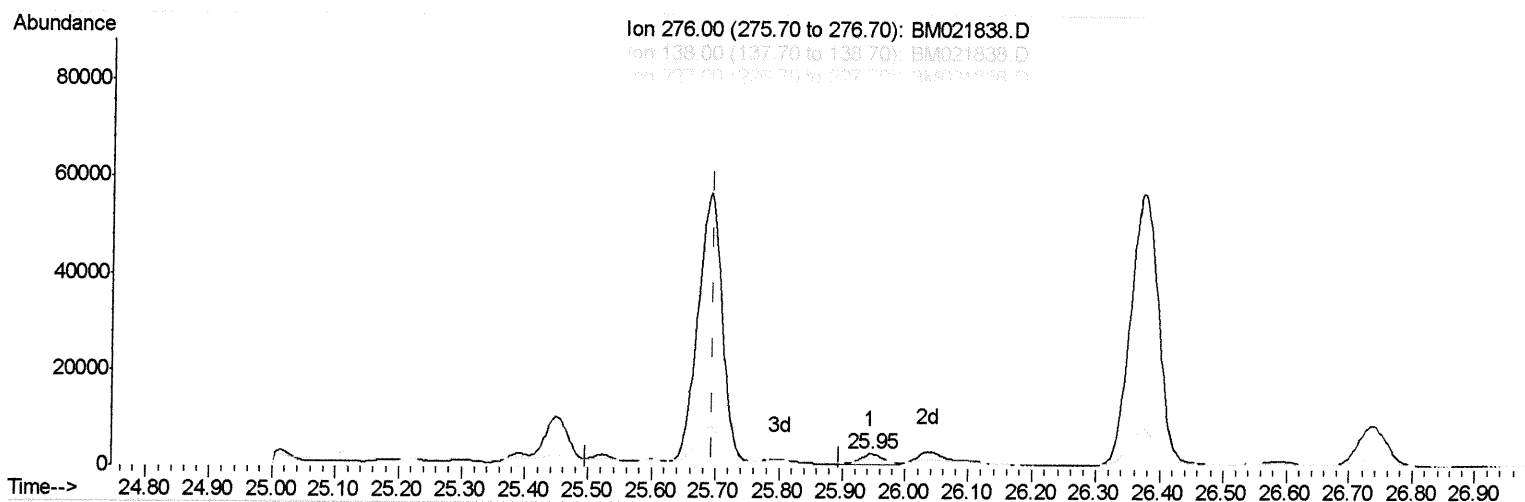
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



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

25.945min (+0.249) 0.21ng/ul

response 6000

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	45.63#
227.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

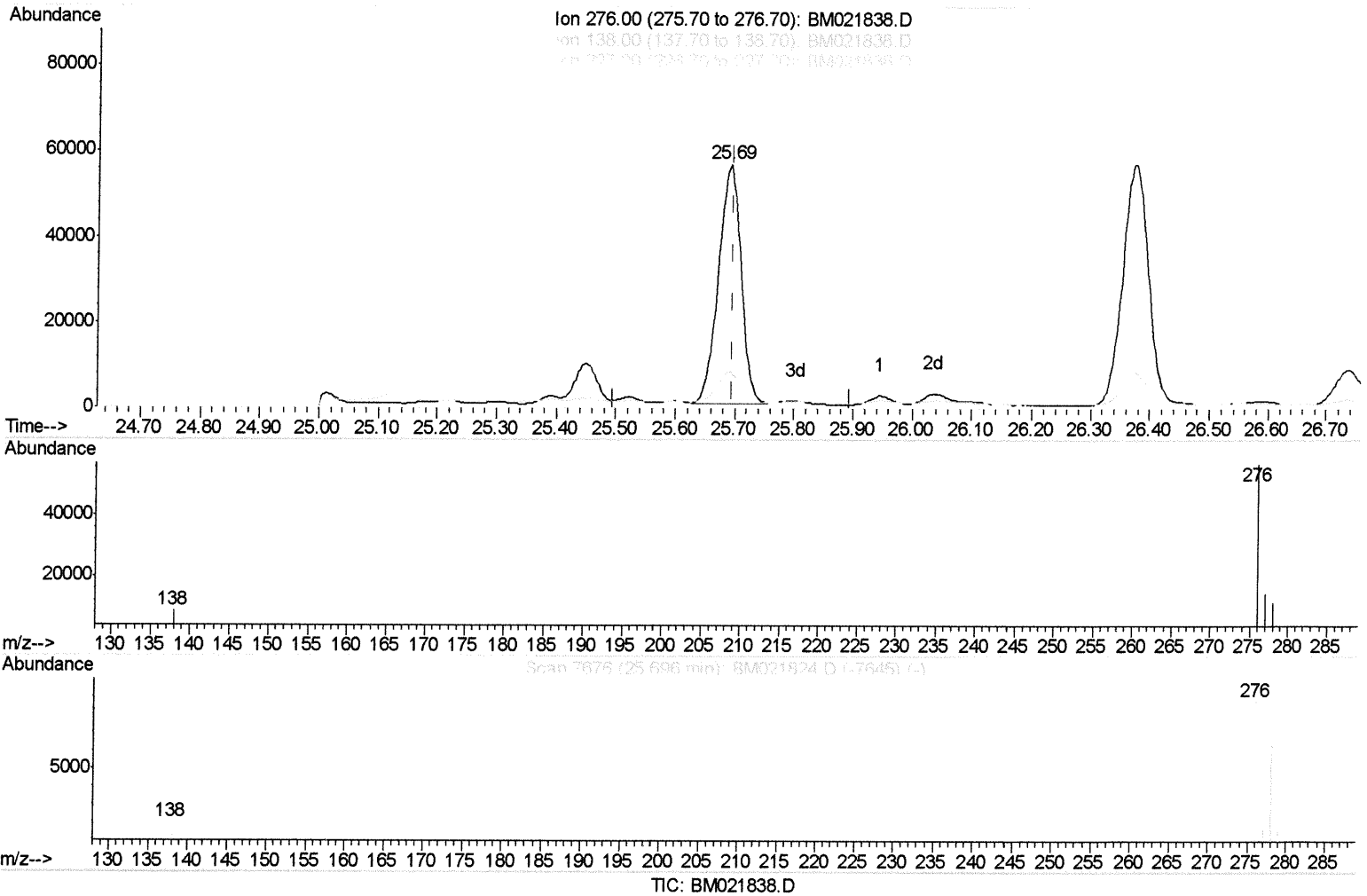
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



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

25.691min (-0.005) 5.28ng/ul m

JU 08/05/19

response 148610

Ion	Exp%	Act%
276.00	100	100
138.00	18.90	1.84#
227.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

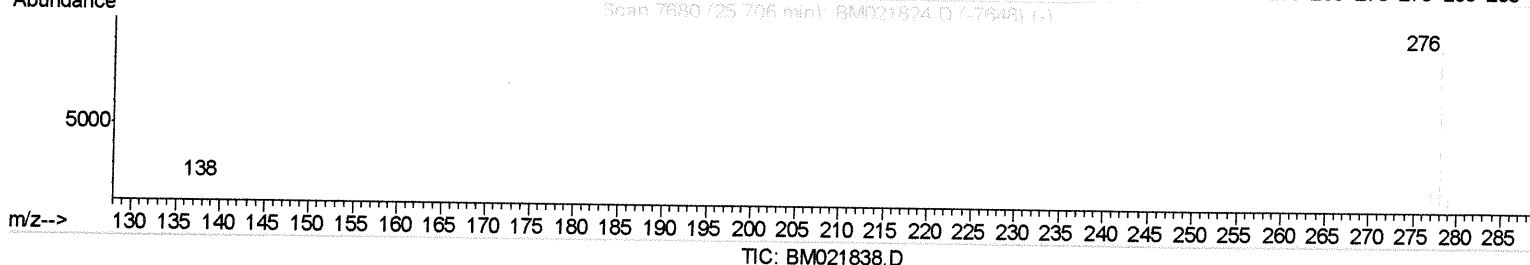
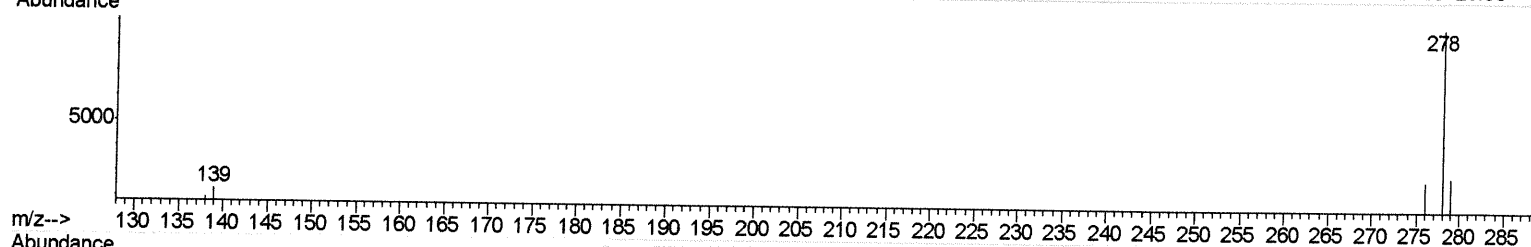
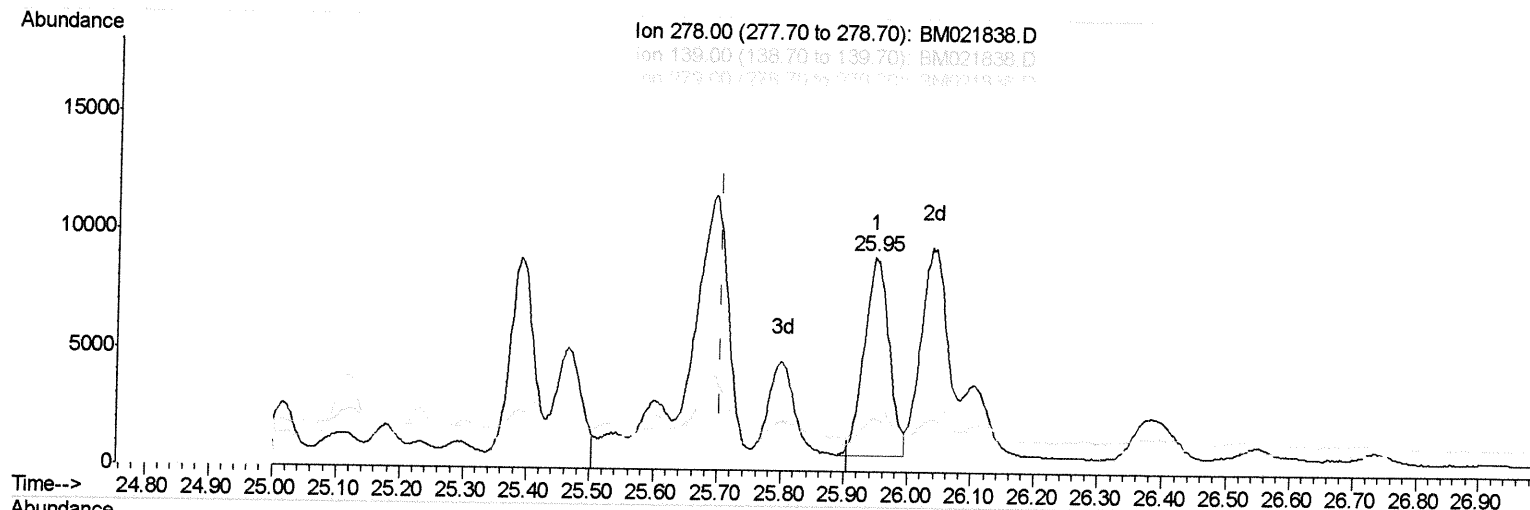
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.945min (+0.240) 1.00ng/ul

response 22763

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	25.10#
279.00	35.40	34.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

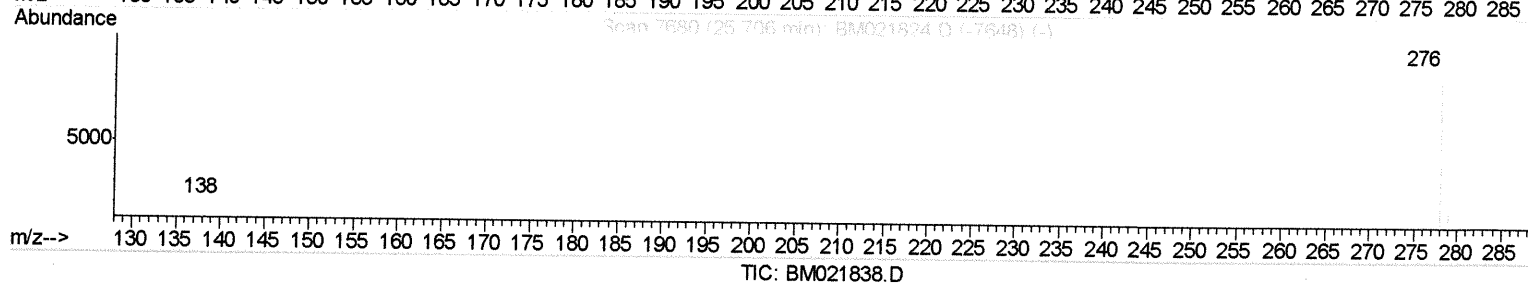
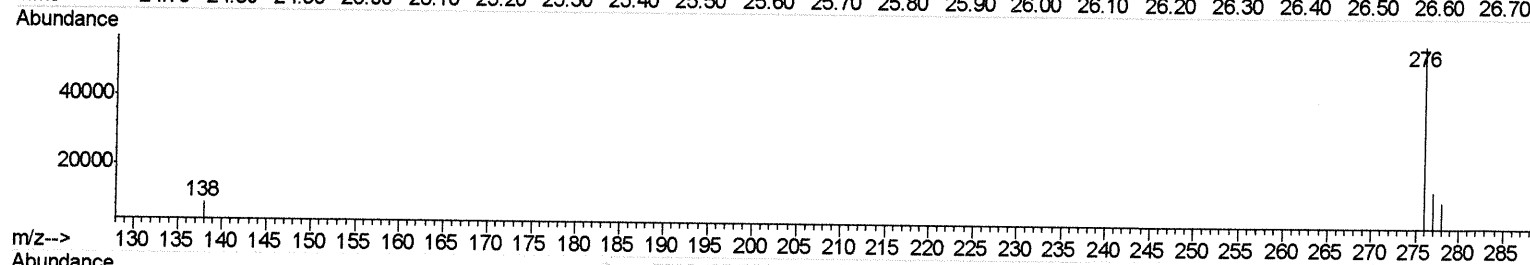
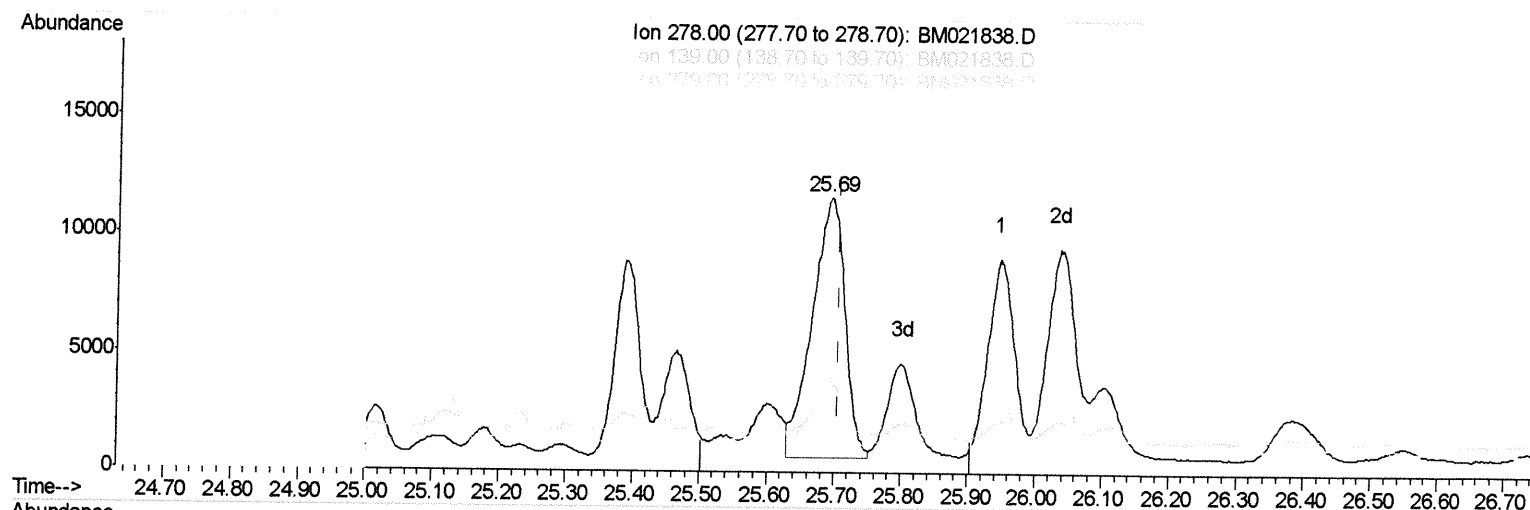
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration



(25) Dibenzo(a,h)anthracene

25.691 min (-0.015) 1.64ng/ul m

response 37421

Ion	Exp%	Act%
278.00	100	100
139.00	17.70	34.50#
279.00	35.40	34.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
Data File : BM021838.D
Acq On : 05 Aug 2019 10:33
Operator : HP/JU
Sample : K3850-19
Misc :
ALS Vial : 81 Sample Multiplier: 1

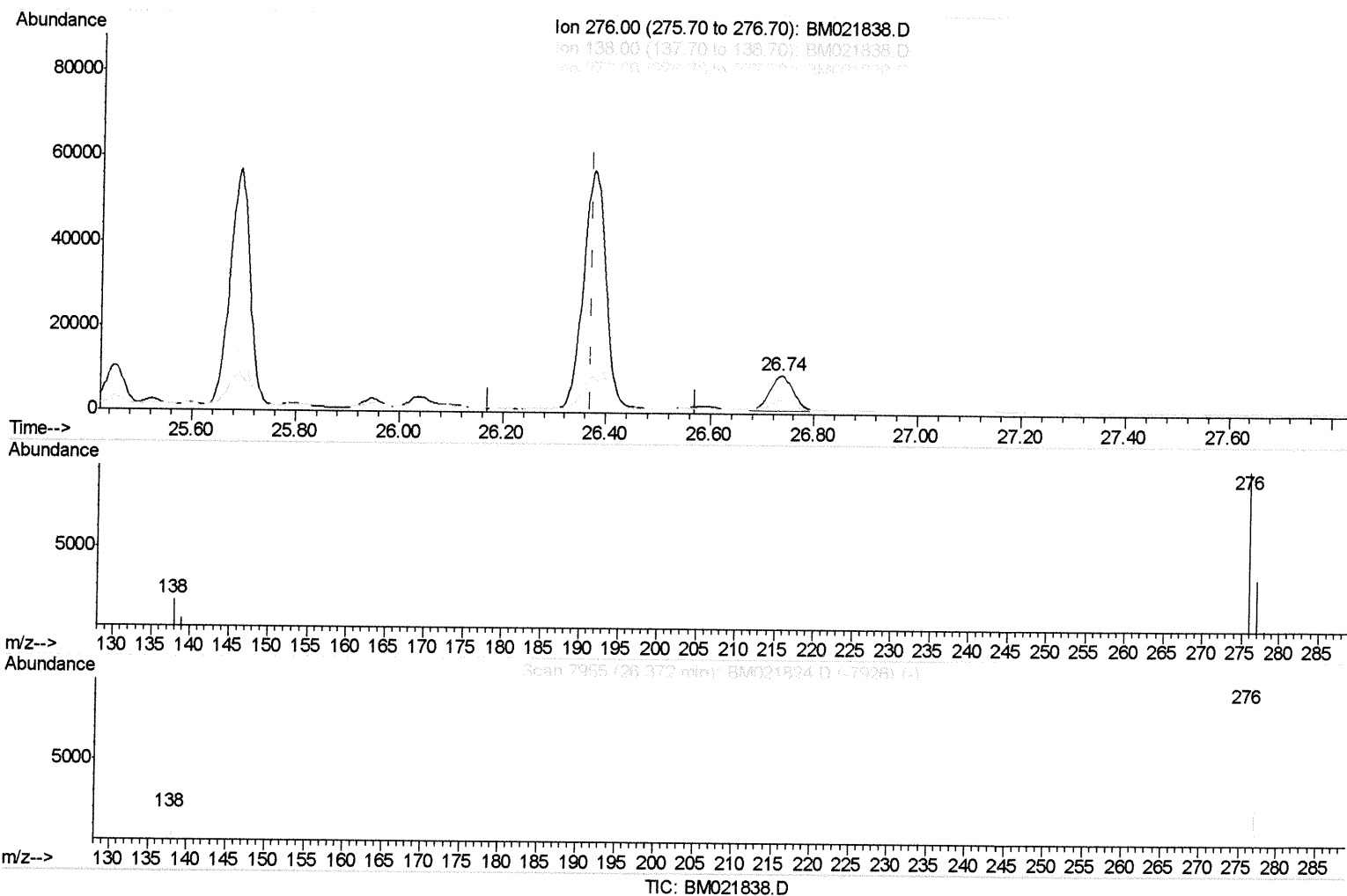
Instrument :
BNA_M
ClientSampleId :
BENS5

Manual Integrations
APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 05 08:19:16 2019
Response via : Initial Calibration



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

26.735min (+0.363) 1.07ng/ul

response 27207

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	24.95#
277.00	26.80	38.81#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

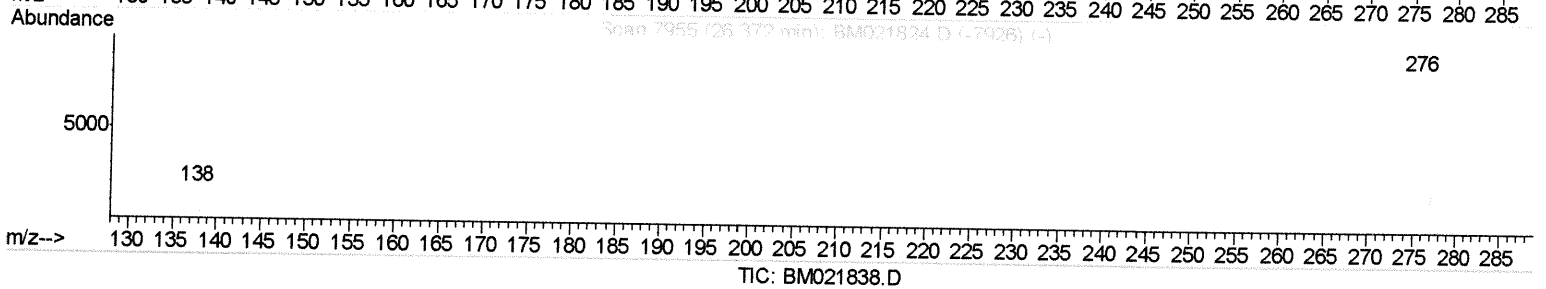
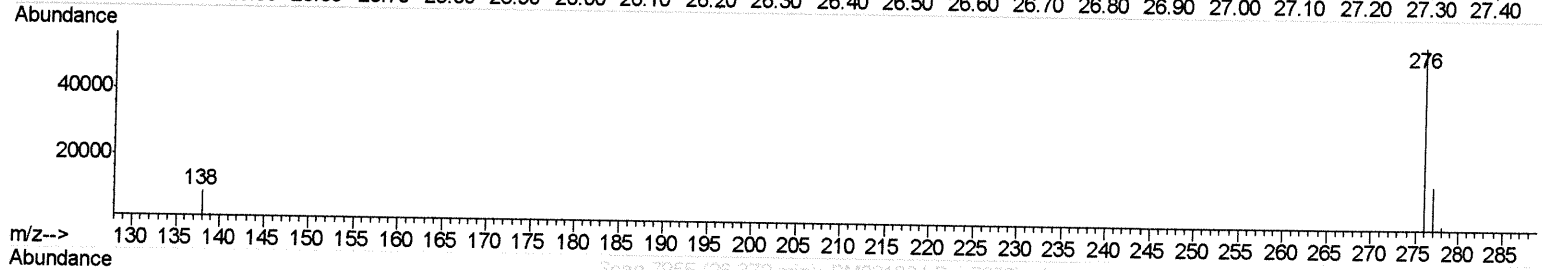
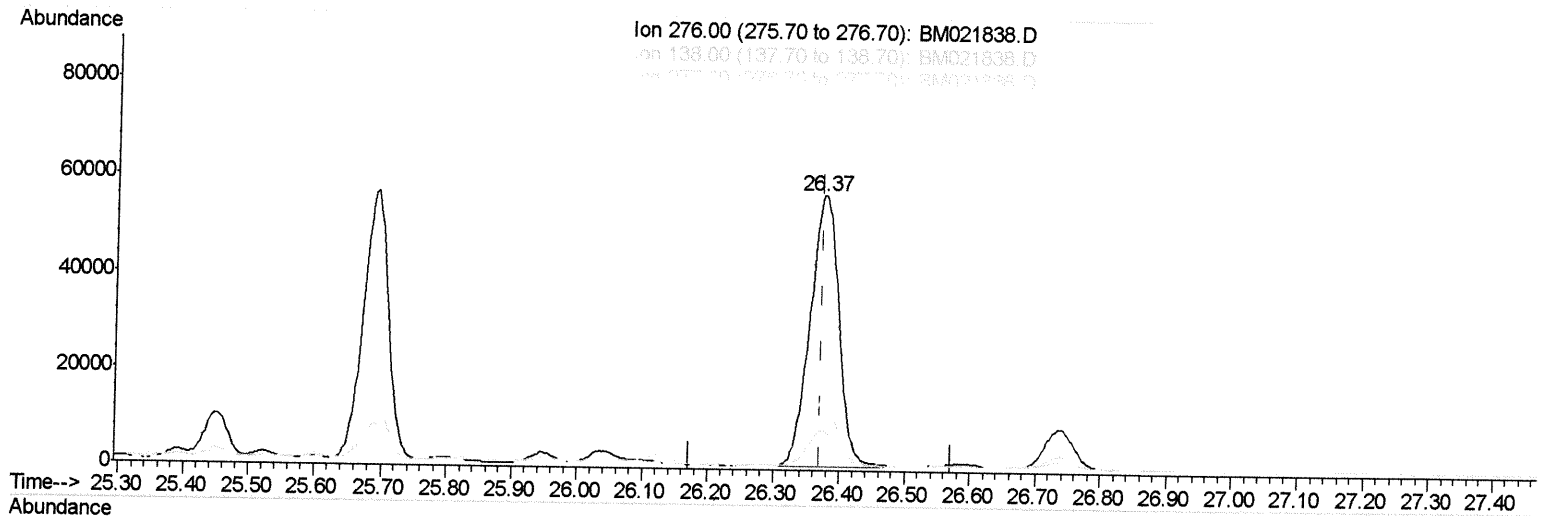
Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:54:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 05 08:19:16 2019
 Response via : Initial Calibration



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

26.372min (-0.000) 6.80ng/ul m *JU 08/05/19*

response 172481

Ion	Exp%	Act%
276.00	100	100
138.00	19.40	14.91#
277.00	26.80	24.77
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080319\
 Data File : BM021838.D
 Acq On : 05 Aug 2019 10:33
 Operator : HP/JU
 Sample : K3850-19
 Misc :
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENS5

Manual Integrations
 APPROVED

mohammad

8/5/2019 10:17:11 PM

Quant Time: Aug 05 13:57:05 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 05 08:19:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	1006	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.41	136	4071	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	2430	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.04	188	6091m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.24	240	6850m	0.40	ng/ul	0.00
20) Perylene-d12	23.46	264	6879m	0.40	ng/ul	0.00

System Monitoring Compounds

4) 2-Methylnaphthalene-d10	12.01	152	1077	0.16	ng/ul	-0.03
14) Fluoranthene-d10	19.07	212	3441m	0.17	ng/ul	-0.02

Target Compounds

					Qvalue	
3) Naphthalene	10.46	128	6427	0.559	ng/ul	95
5) 2-Methylnaphthalene	12.08	142	5300	0.692	ng/ul	99
7) Acenaphthylene	14.00	152	21315	1.881	ng/ul	96
8) Acenaphthene	14.35	153	2920	0.315	ng/ul	97
9) Fluorene	15.34	166	5167	0.502	ng/ul	99
12) Phenanthrene	17.08	178	100472m	5.669	ng/ul	
13) Anthracene	17.17	178	28441m	1.881	ng/ul	
15) Fluoranthene	19.11	202	263735m	11.109	ng/ul	
17) Pyrene	19.47	202	231531	8.225	ng/ul	96
18) Benzo(a)anthracene	21.23	228	143327m	5.850	ng/ul	97
19) Chrysene	21.28	228	160205	5.084	ng/ul	
21) Benzo(b)fluoranthene	22.80	252	274197m	11.820	ng/ul	
22) Benzo(k)fluoranthene	22.84	252	95496m	3.638	ng/ul	
23) Benzo(a)pyrene	23.37	252	178281m	7.557	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.69	276	148610m	5.276	ng/ul	
25) Dibenzo(a,h)anthracene	25.69	278	37421m	1.644	ng/ul	
26) Benzo(g,h,i)perylene	26.37	276	172481m	6.802	ng/ul	

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