

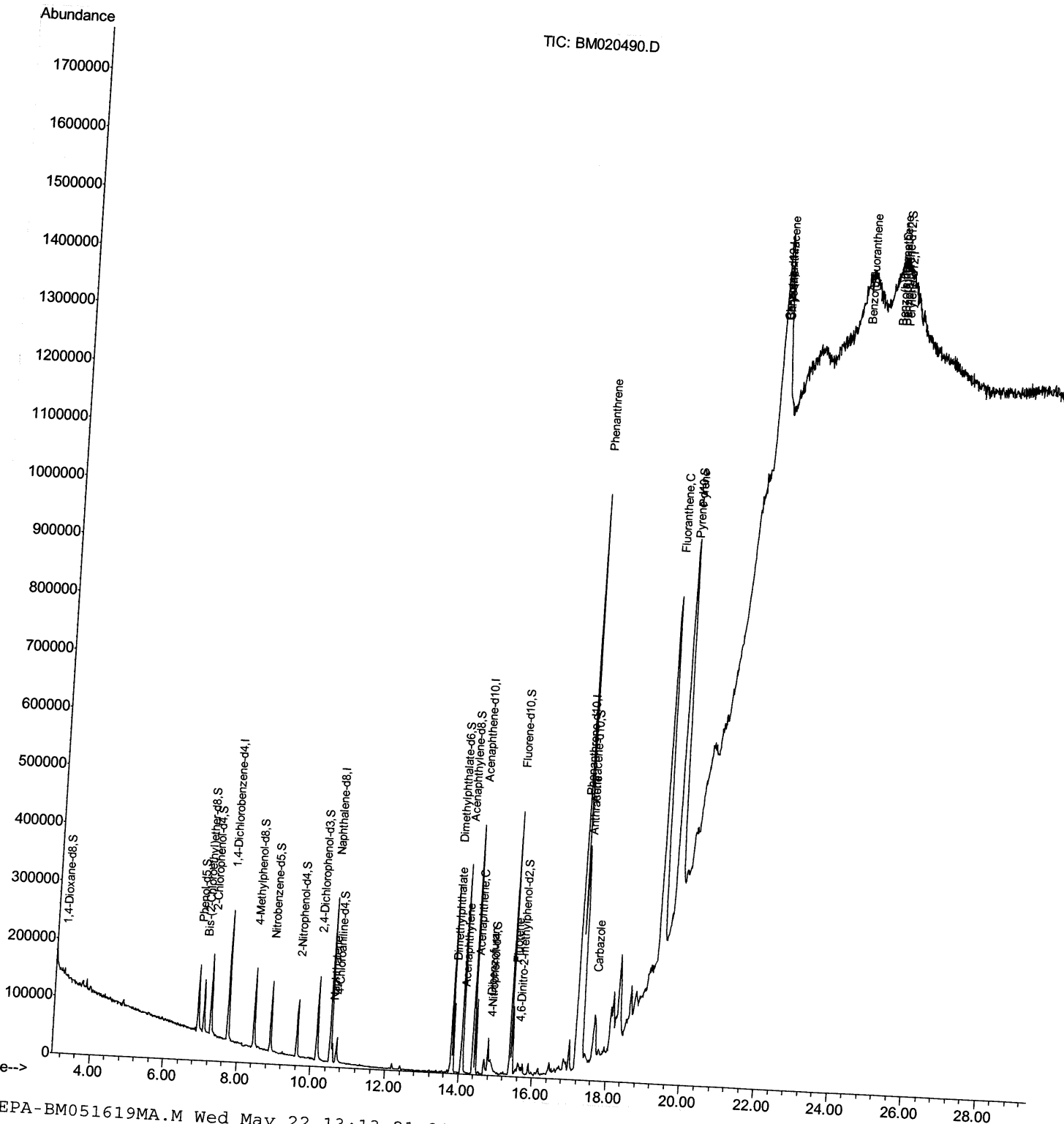
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:18:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



# Quantitation Report (Qedit)

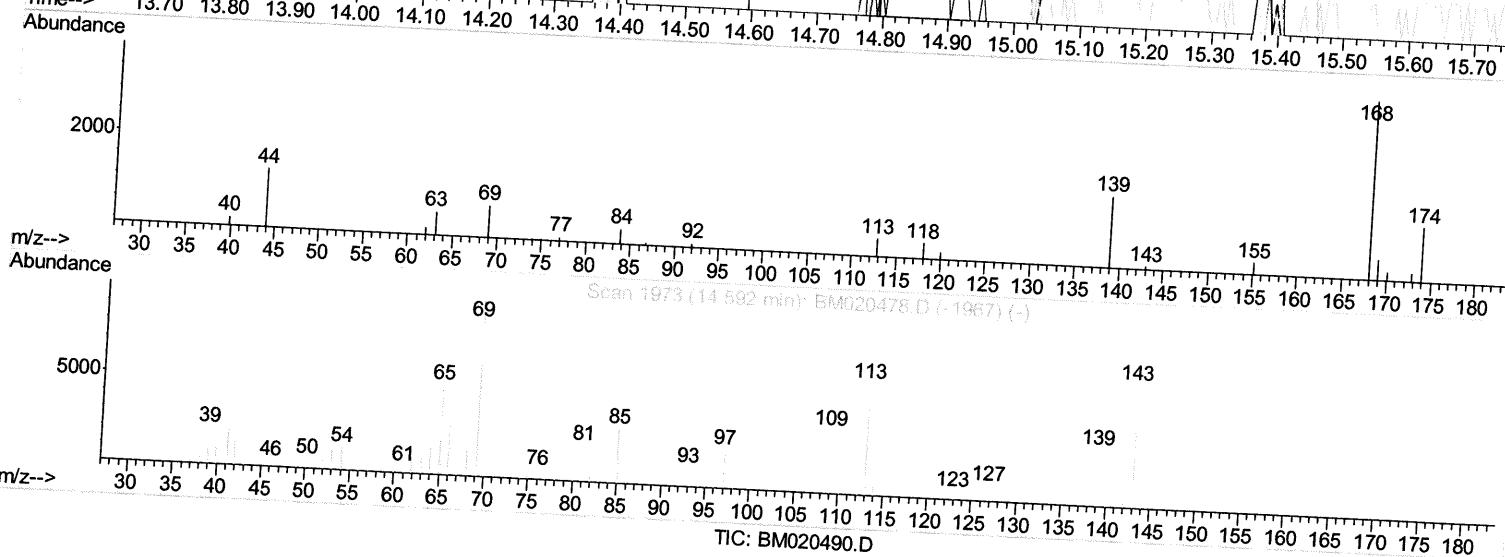
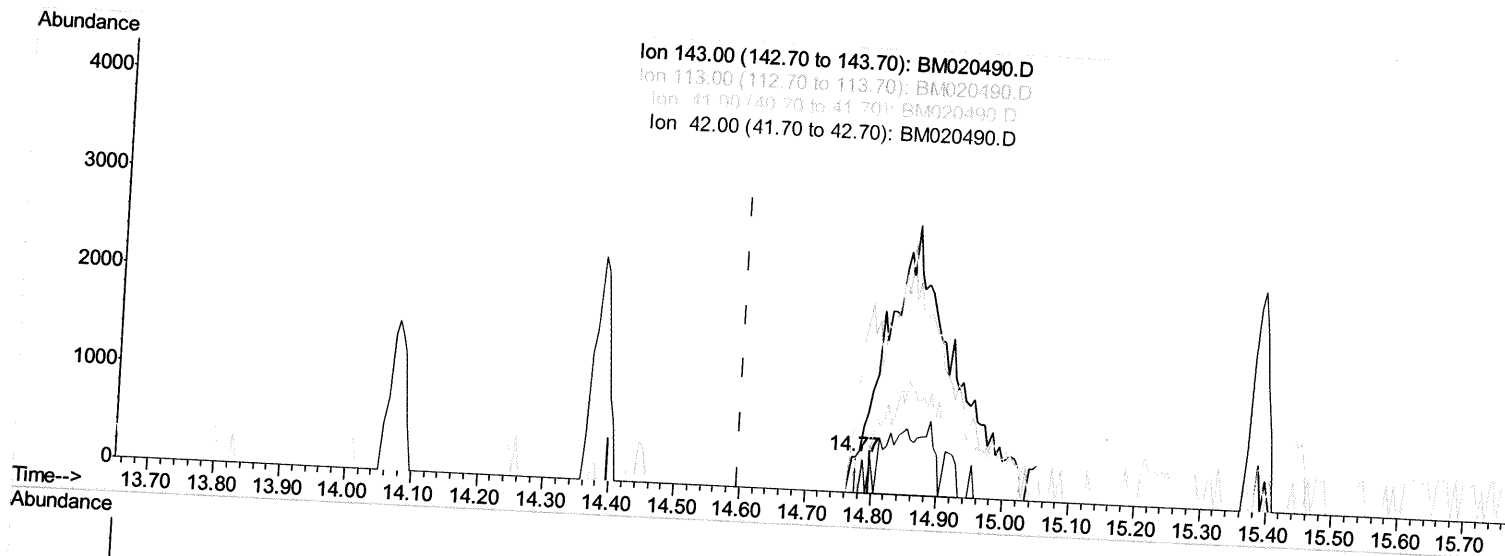
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:07:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.769min (+0.170) 0.16ng/ul

response 256

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 143.00 | 100   | 100     |
| 113.00 | 99.80 | 172.09# |
| 41.00  | 31.70 | 0.00#   |
| 42.00  | 21.50 | 0.00#   |

# Quantitation Report (Qedit)

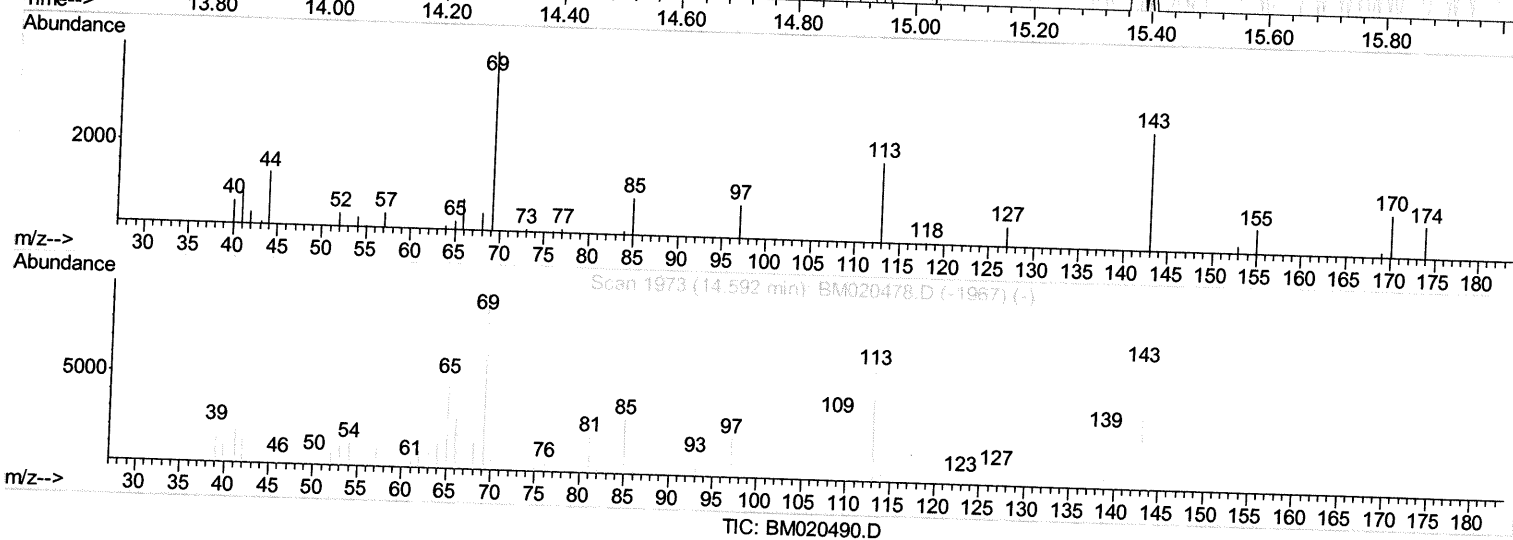
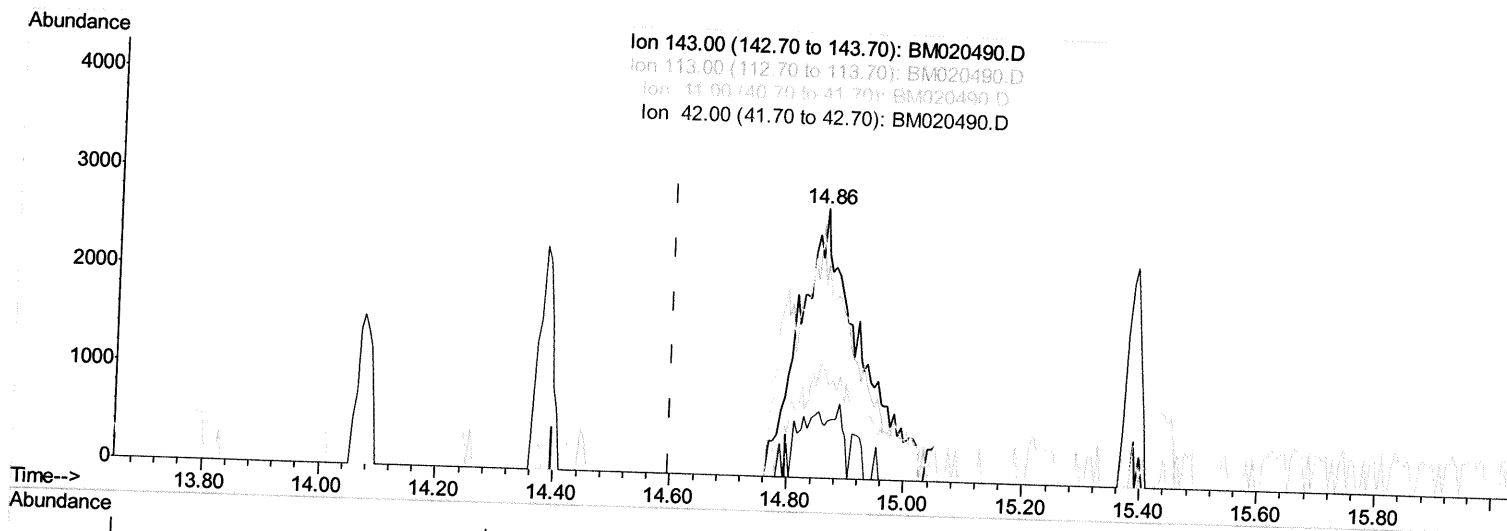
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:07:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(51) 4-Nitrophenol-d4 (S)

14.857min (+0.259) 11.95ng/ul m *Jo 05/24/19*

response 19315

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 143.00 | 100   | 100    |
| 113.00 | 99.80 | 71.15# |
| 41.00  | 31.70 | 40.41# |
| 42.00  | 21.50 | 20.26  |

# Quantitation Report (Qedit)

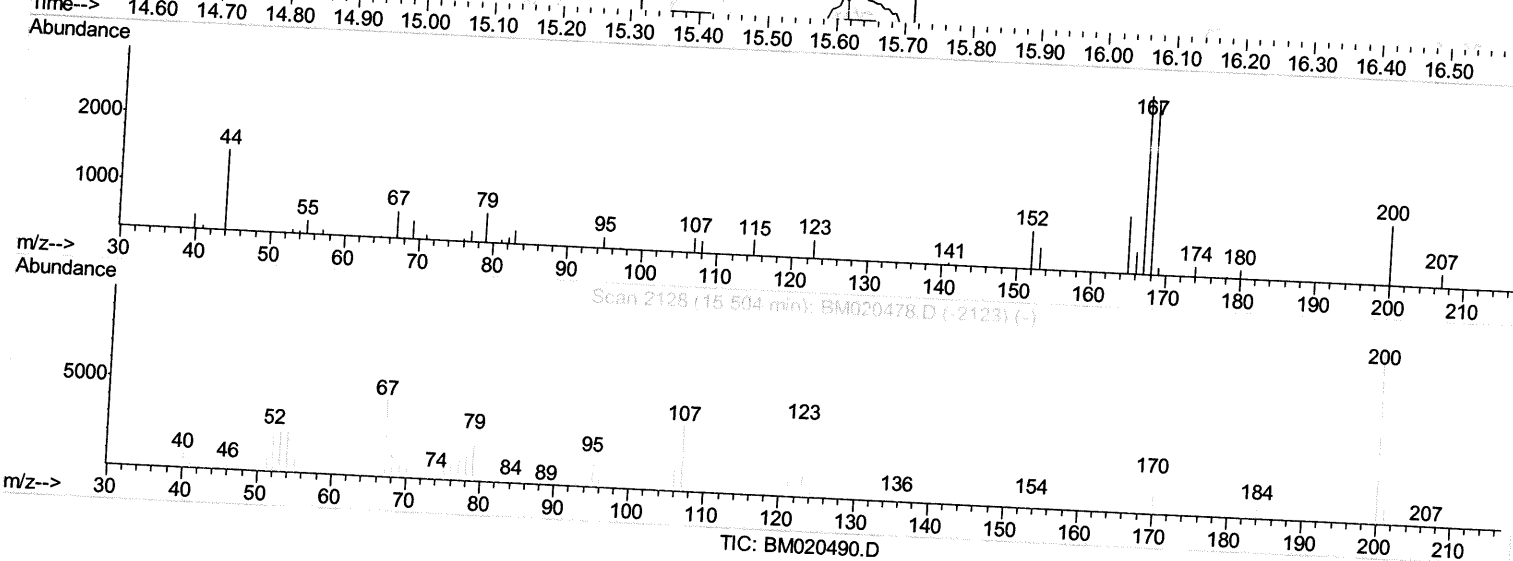
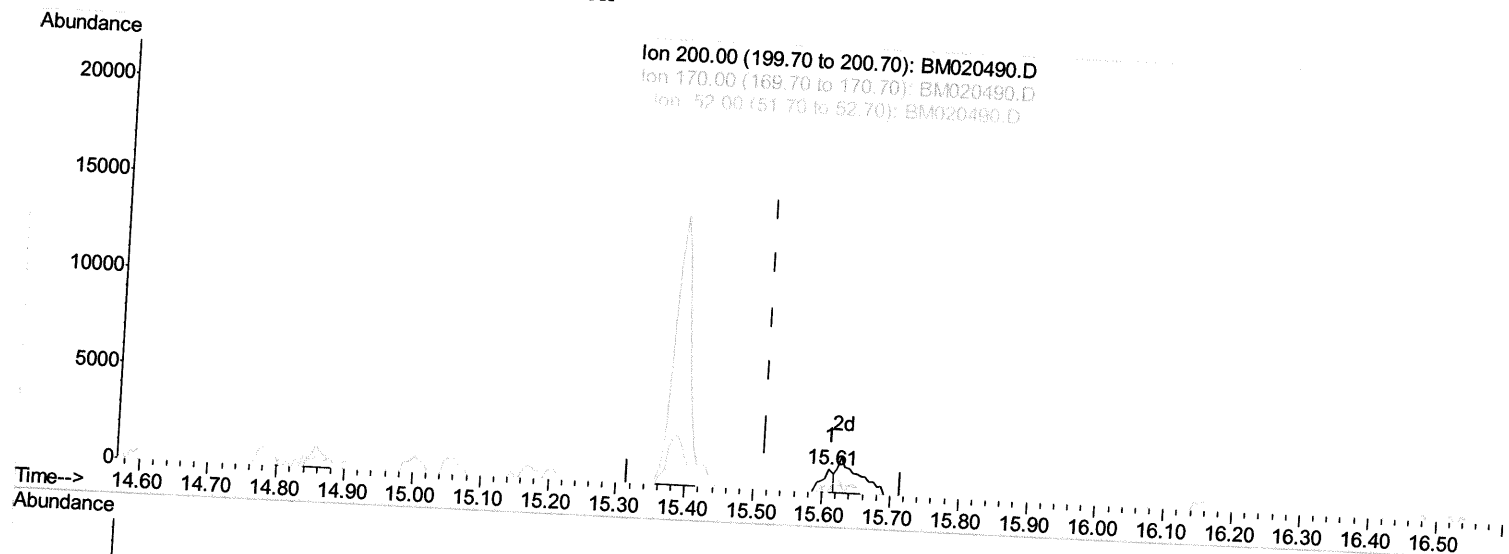
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:07:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



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

15.610min (+0.094) 0.65ng/ul

response 1421

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 200.00 | 100   | 100   |
| 170.00 | 19.70 | 0.00# |
| 52.00  | 29.20 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

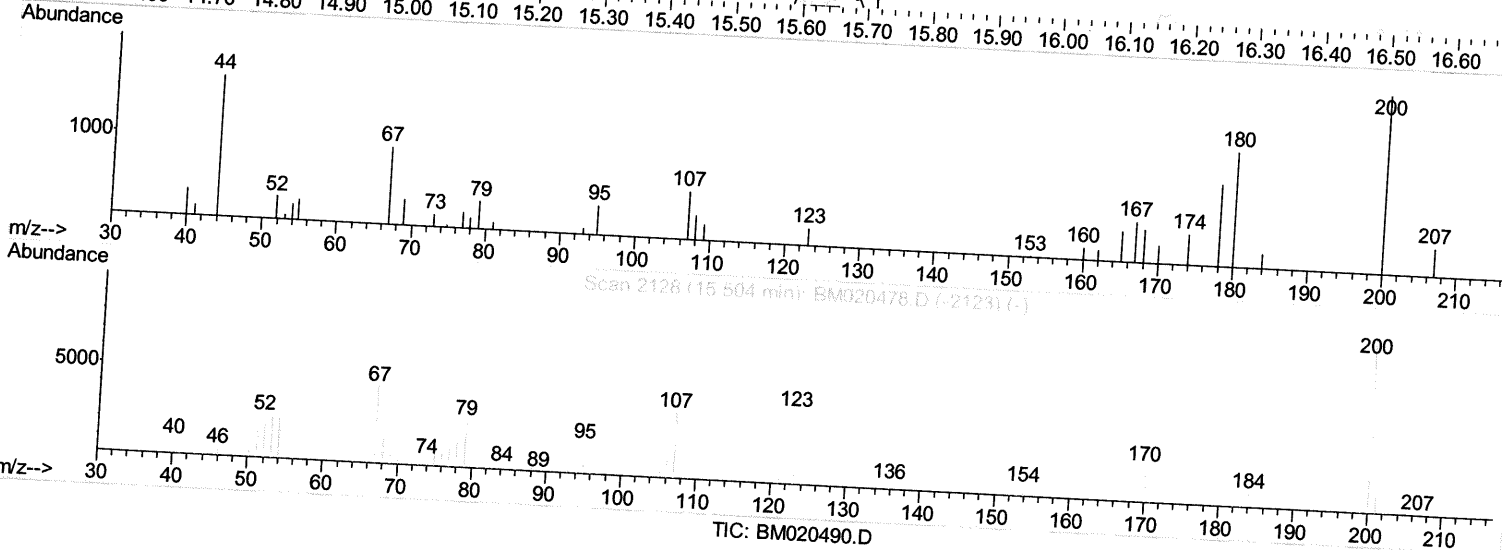
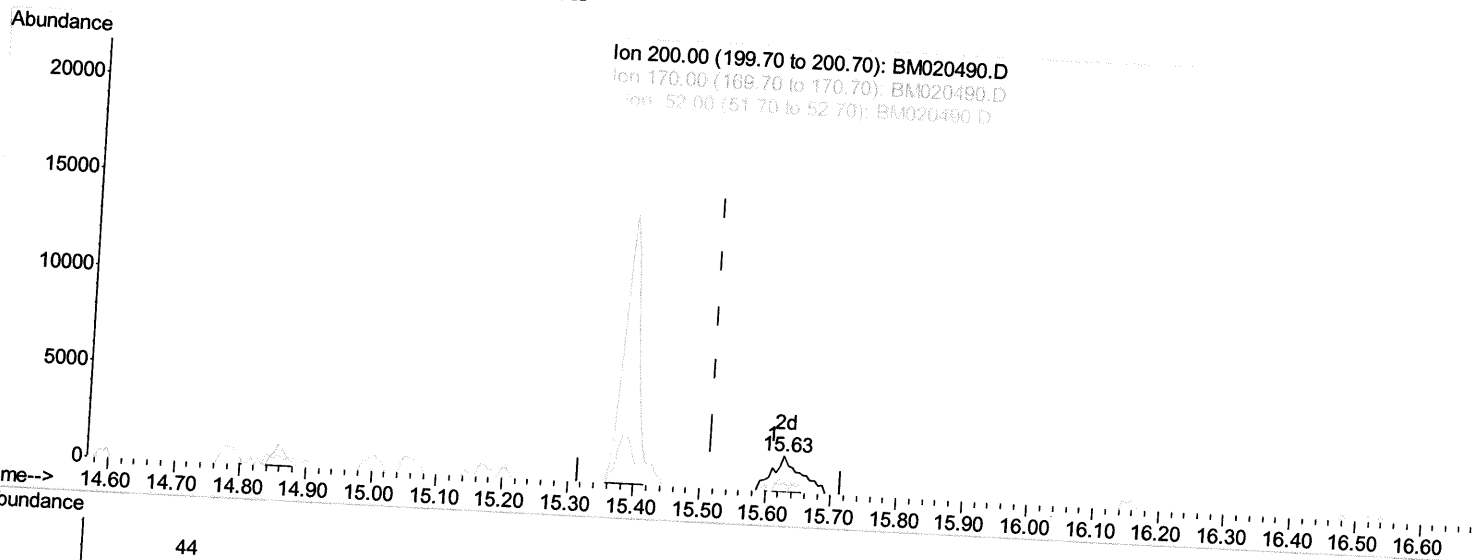
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:07:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



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

15.627min (+0.112) 2.52ng/ul m *50/24/19*

response 5511

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 200.00 | 100   | 100    |
| 170.00 | 19.70 | 25.66# |
| 52.00  | 29.20 | 27.47  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

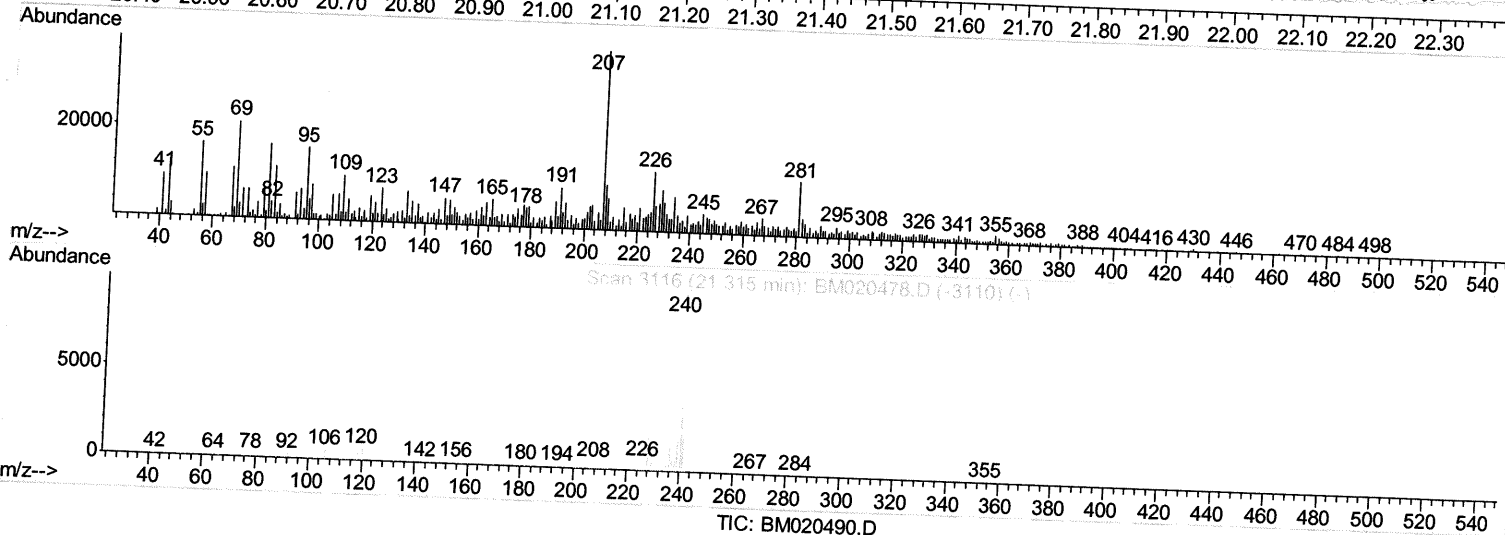
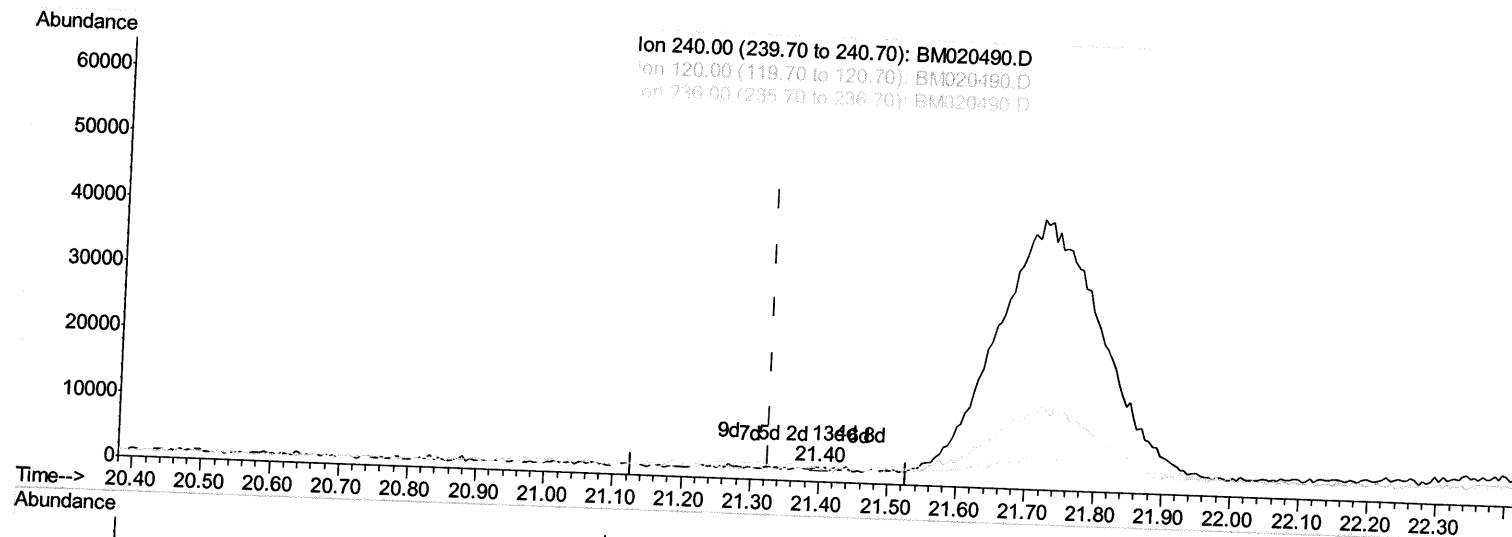
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:07:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(77) Chrysene-d12 (I)

21.397min (+0.070) 20.00ng/ul

response 484

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 240.00 | 100   | 100     |
| 120.00 | 6.80  | 92.67#  |
| 236.00 | 25.40 | 105.40# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

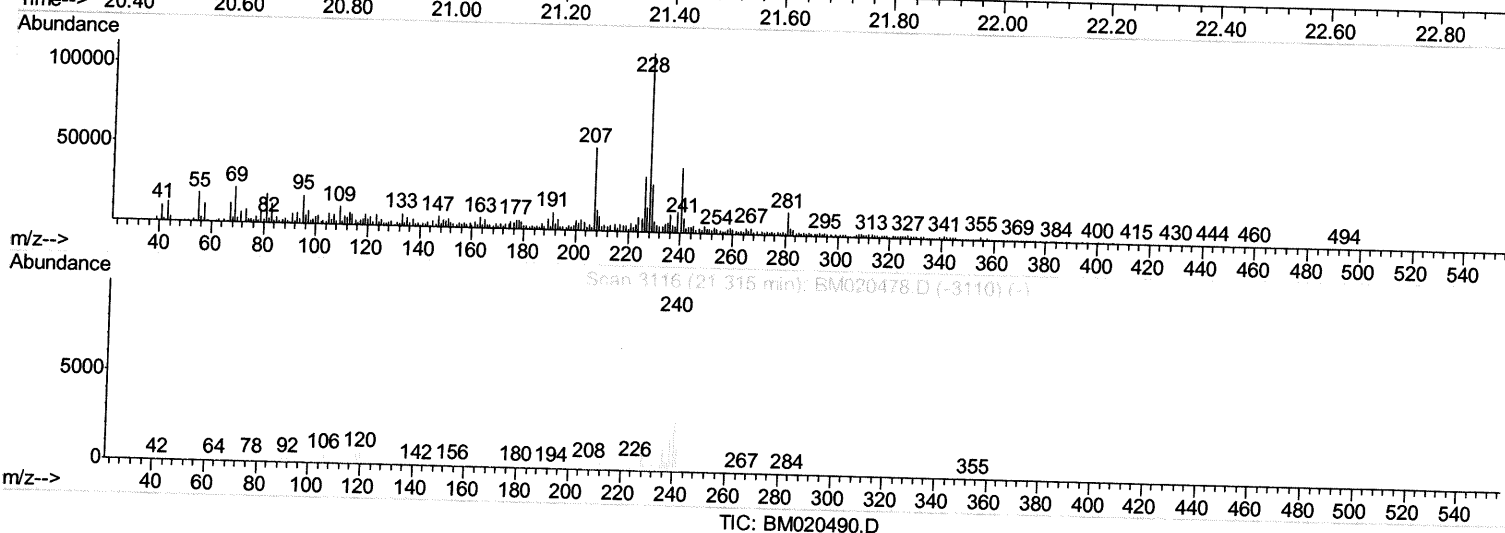
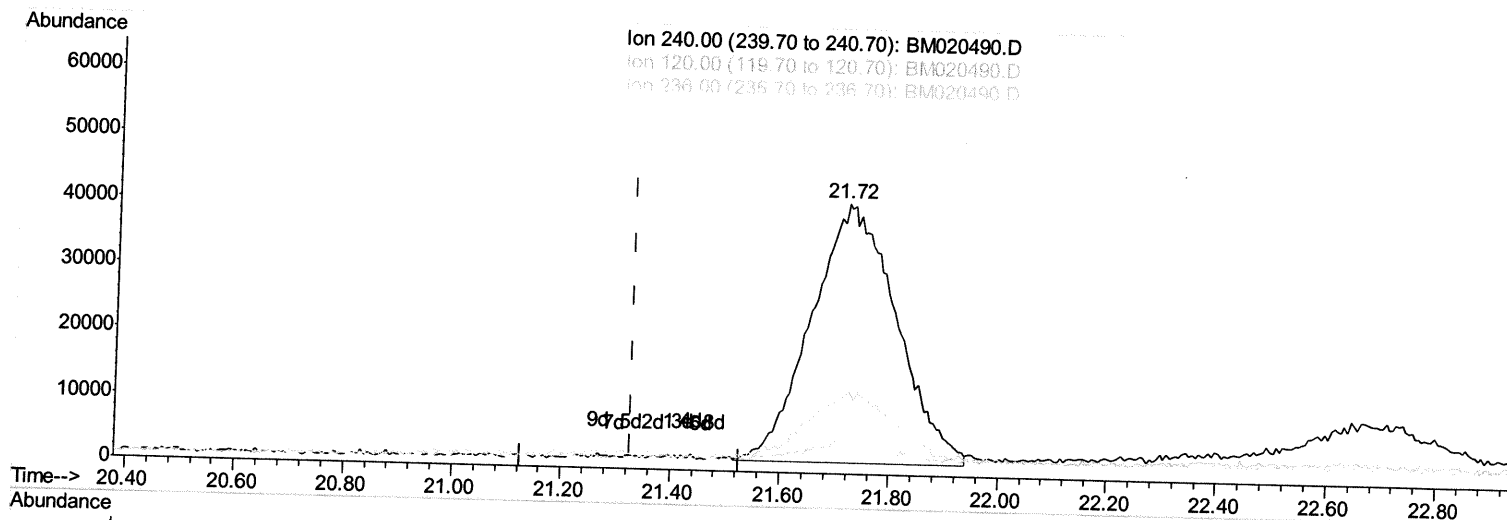
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:07:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(77) Chrysene-d12 (I)

21.715min (+0.388) 20.00ng/ul m *JU* *05/24/19*

response 428087

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 240.00 | 100   | 100    |
| 120.00 | 6.80  | 10.22# |
| 236.00 | 25.40 | 29.00  |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

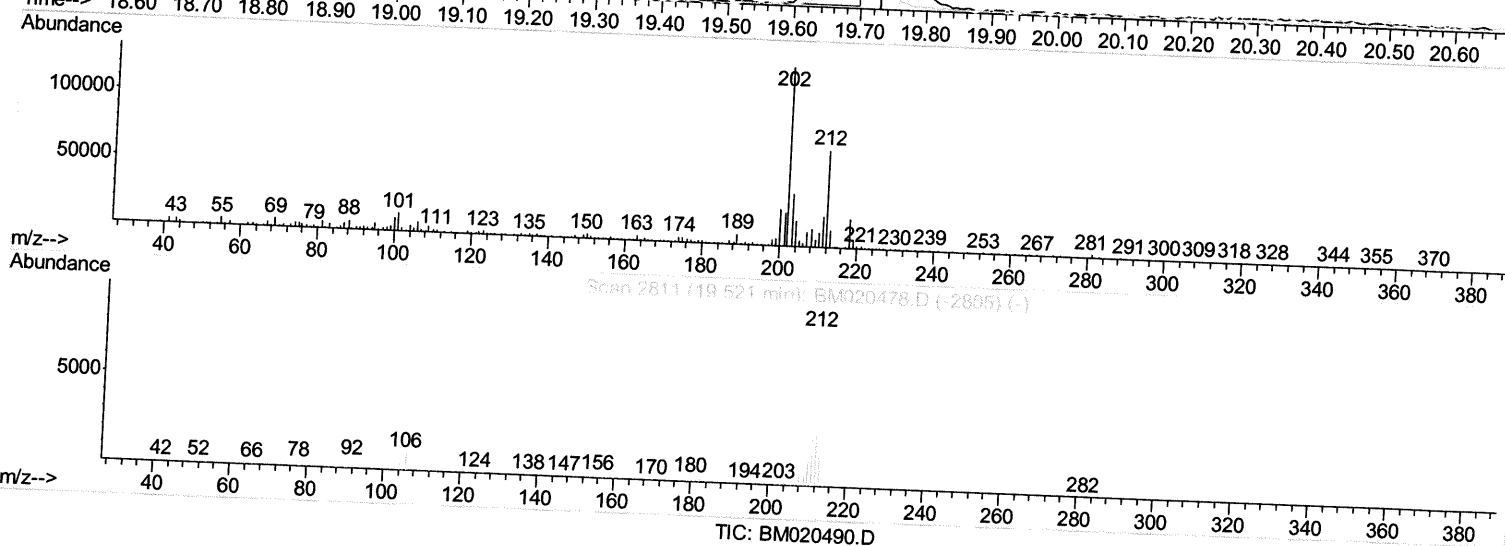
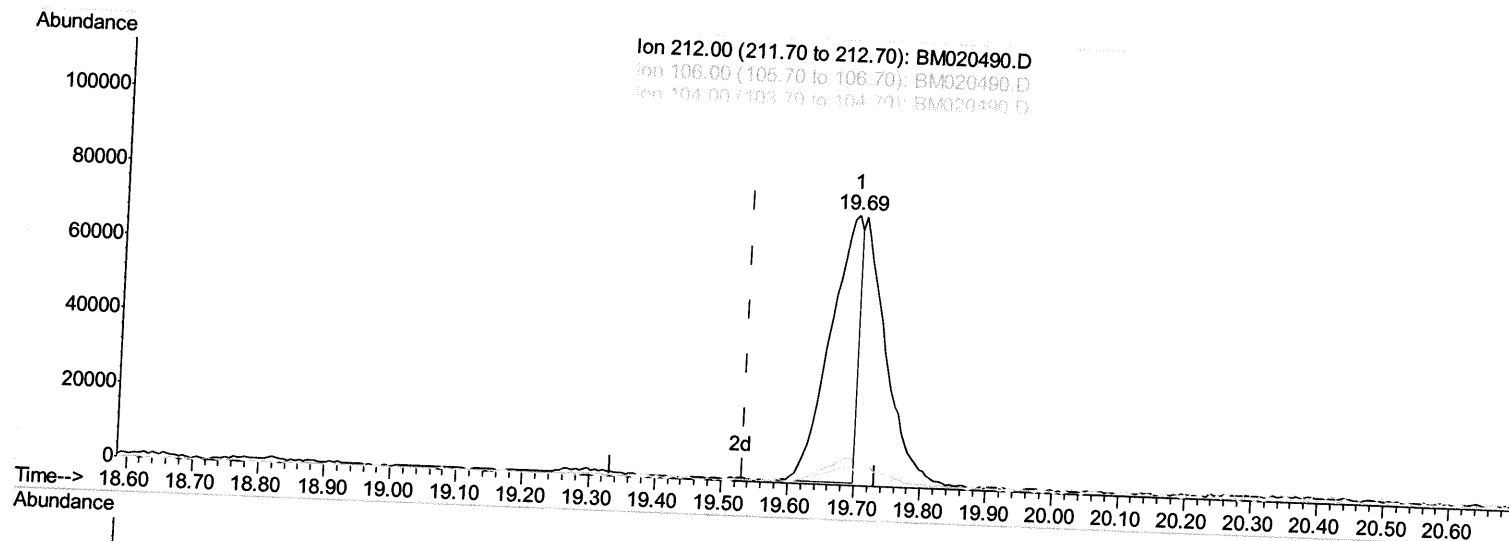
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(78) Pyrene-d10 (S)

19.692min (+0.159) 10.42ng/ul

response 214884

| Ion    | Exp% | Act% |
|--------|------|------|
| 212.00 | 100  | 100  |
| 106.00 | 9.50 | 9.96 |
| 104.00 | 6.70 | 6.61 |
| 0.00   | 0.00 | 0.00 |



# Quantitation Report (Qedit)

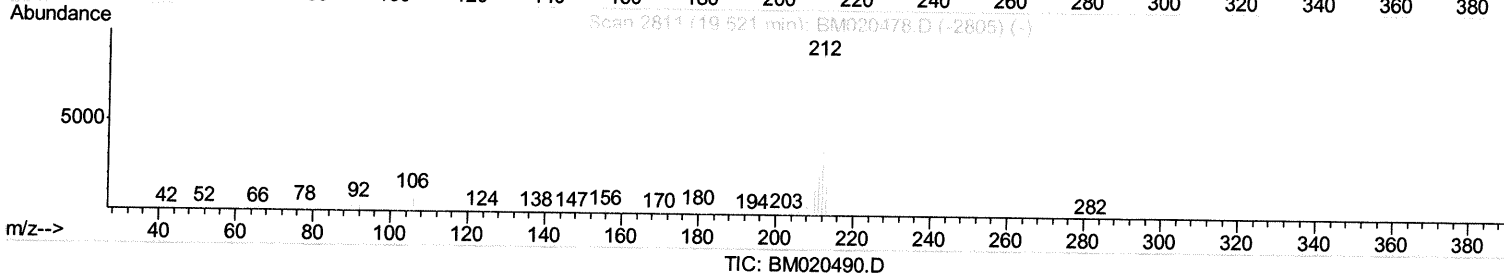
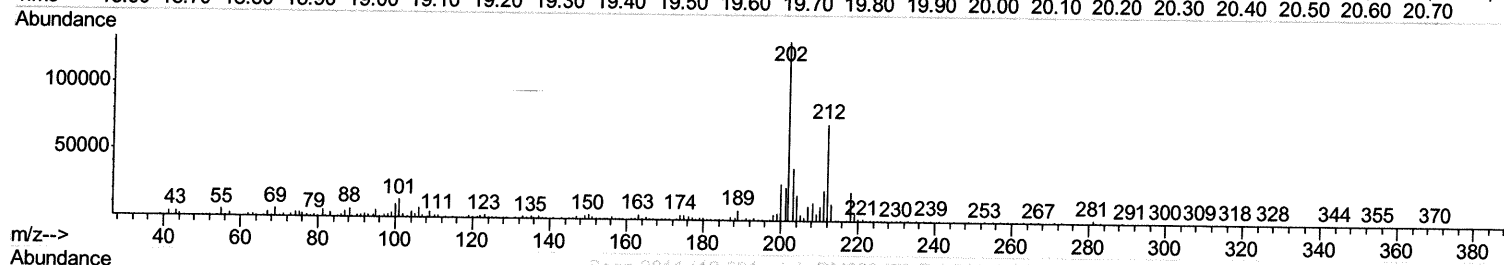
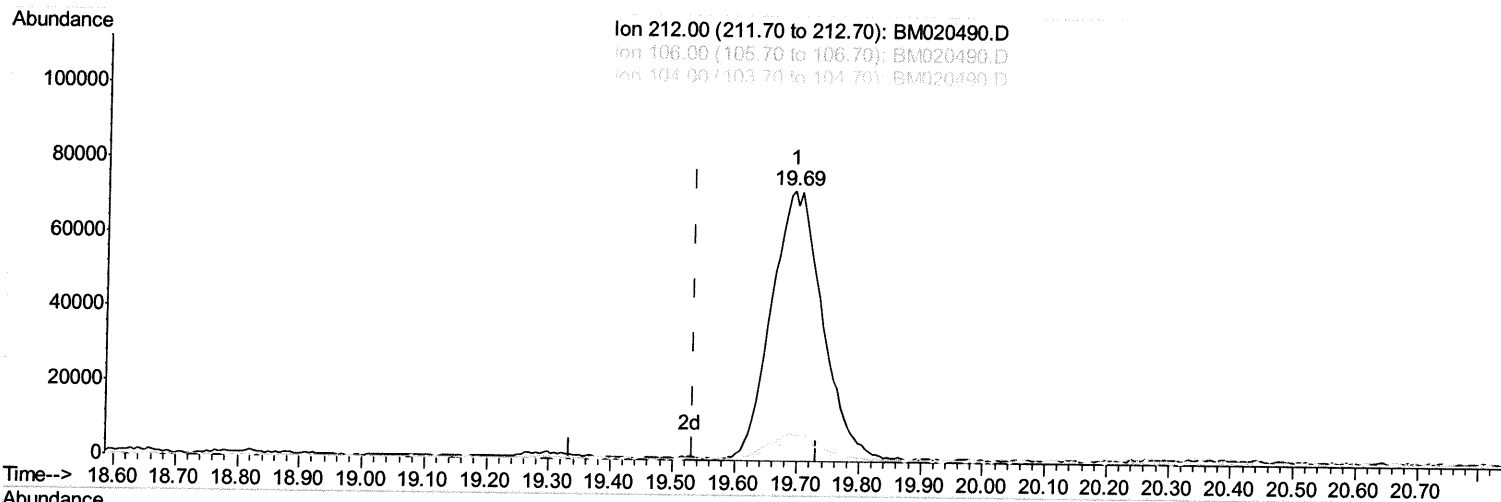
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(78) Pyrene-d10 (S)

19.692min (+0.159) 20.06ng/ul m *JU 05/24/19*

response 413715

| Ion    | Exp% | Act% |
|--------|------|------|
| 212.00 | 100  | 100  |
| 106.00 | 9.50 | 9.96 |
| 104.00 | 6.70 | 6.61 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

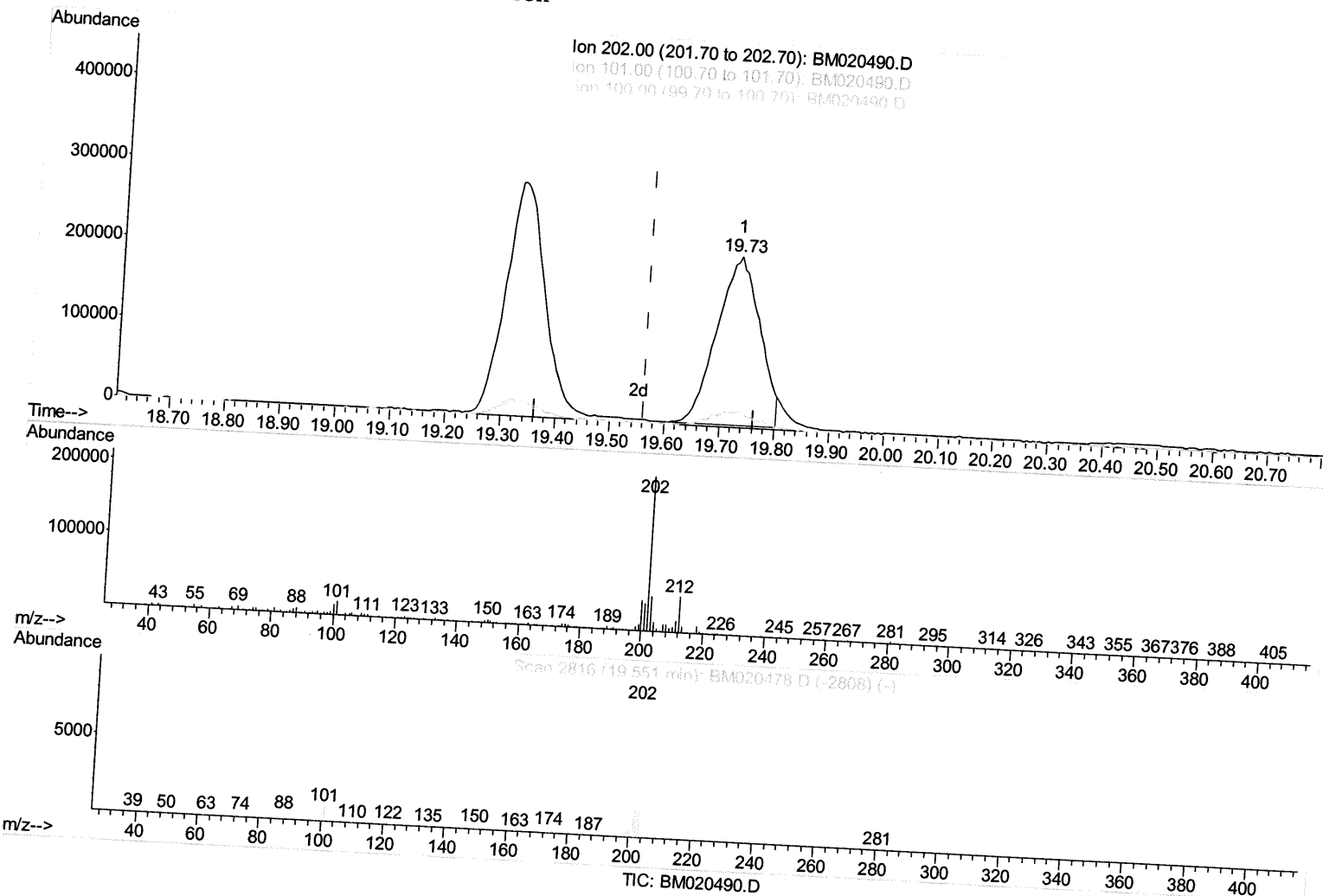
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(79) Pyrene

19.727min (+0.165) 43.99ng/ui

response 1130353

| Ion    | Exp% | Act% |
|--------|------|------|
| 202.00 | 100  | 100  |
| 101.00 | 8.90 | 8.76 |
| 100.00 | 7.40 | 7.15 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

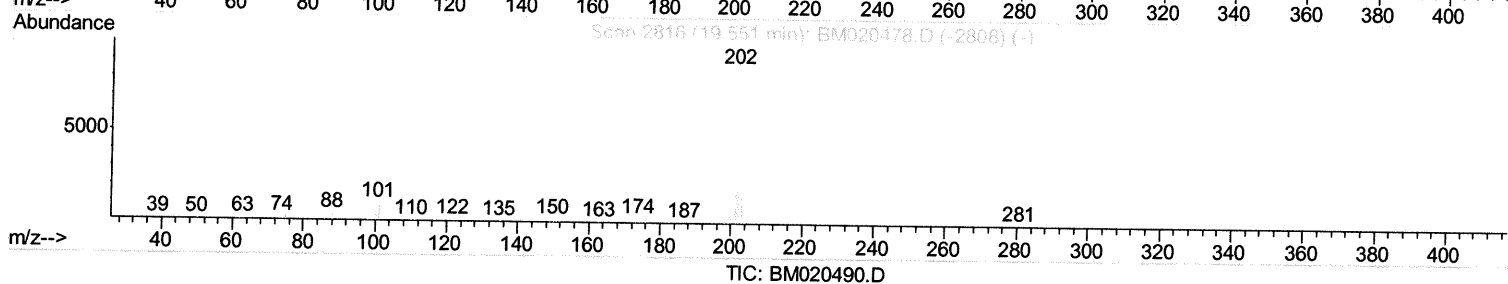
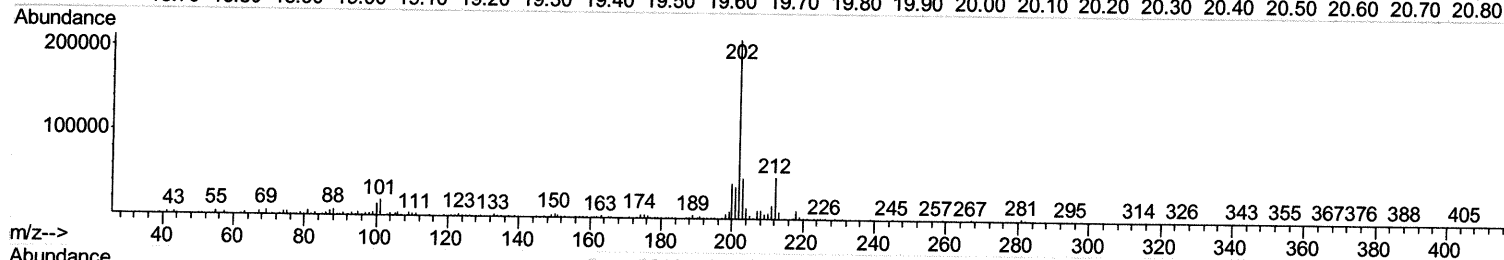
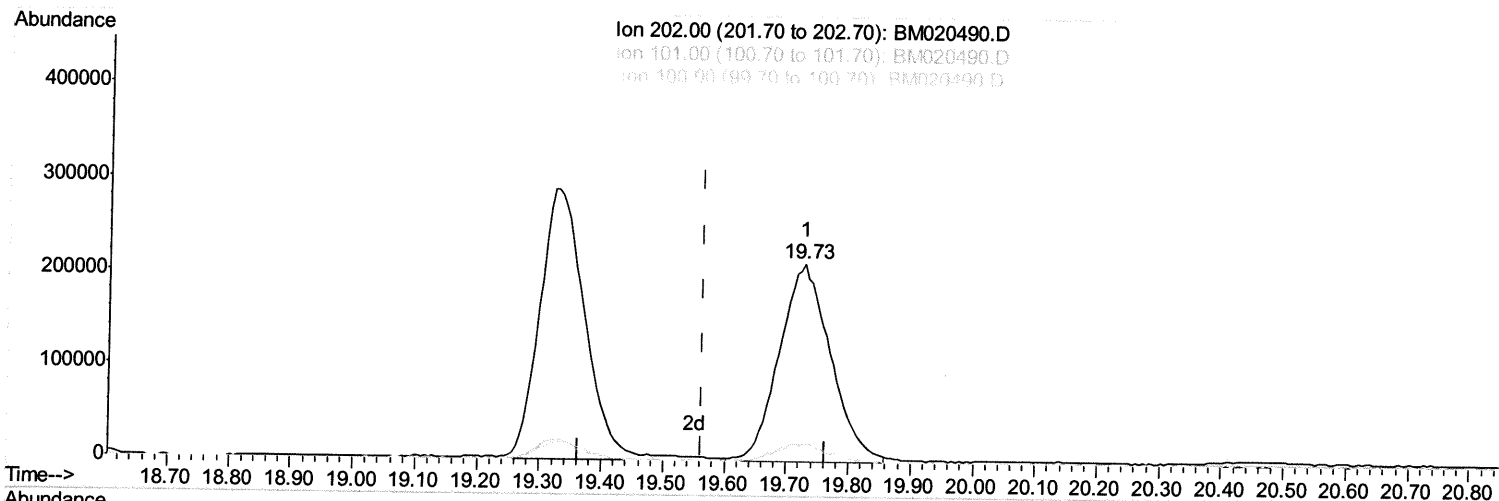
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(79) Pyrene

19.727min (+0.165) 47.14ng/ul m *Jo 05/24/19*

response 1211342

| Ion    | Exp% | Act% |
|--------|------|------|
| 202.00 | 100  | 100  |
| 101.00 | 8.90 | 8.76 |
| 100.00 | 7.40 | 7.15 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

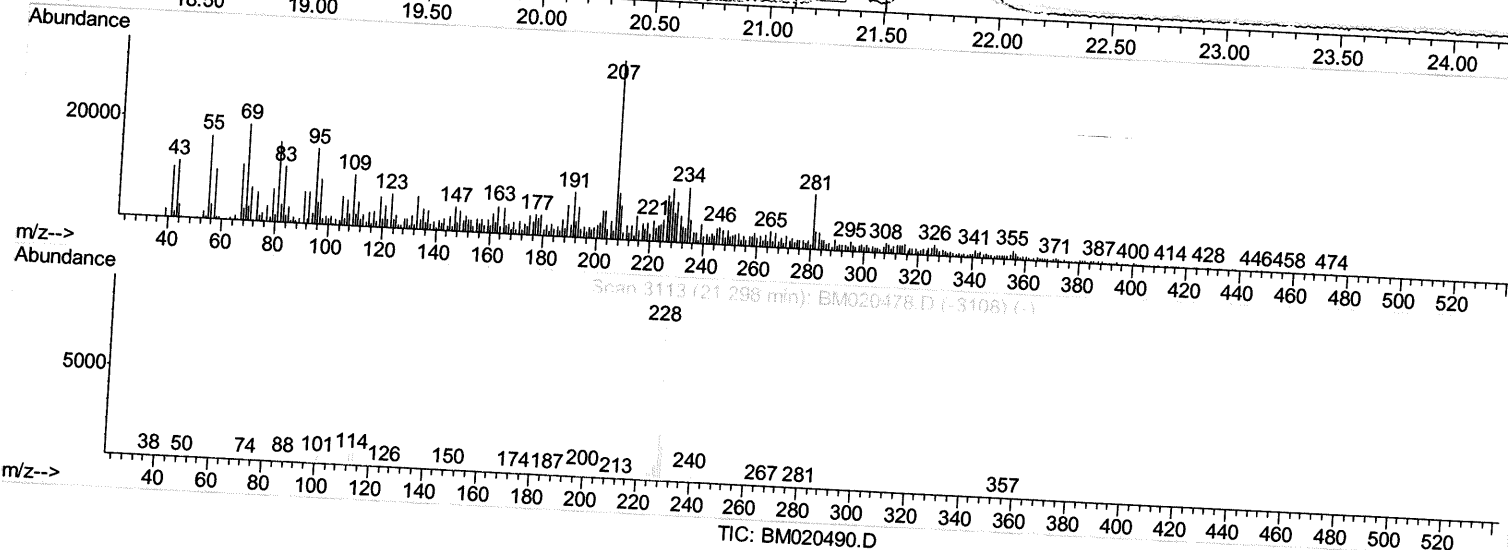
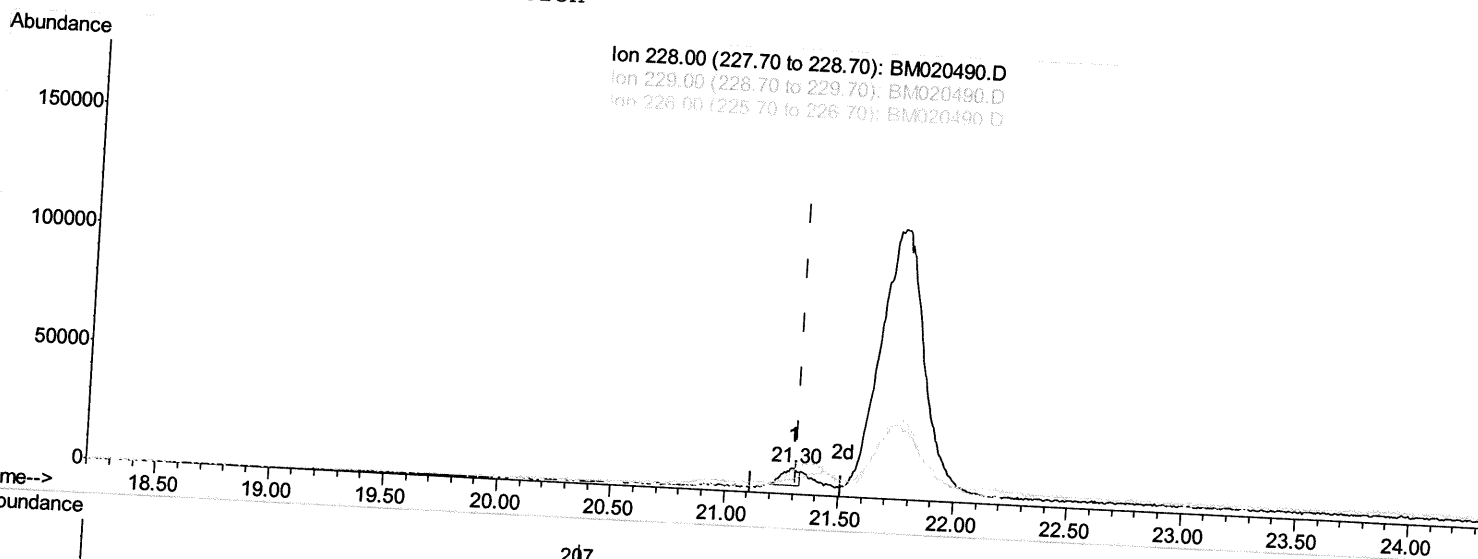
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.297min (-0.018) 1.38ng/ul

response 35474

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.80 | 55.87# |
| 226.00 | 25.70 | 87.65# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

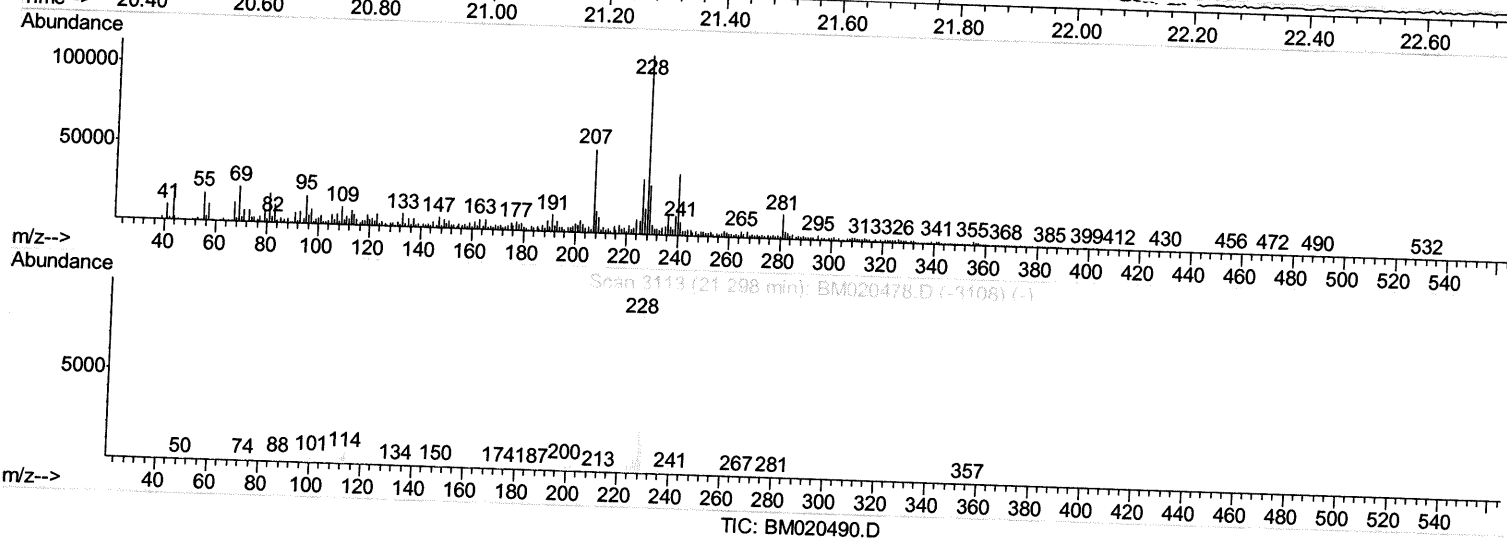
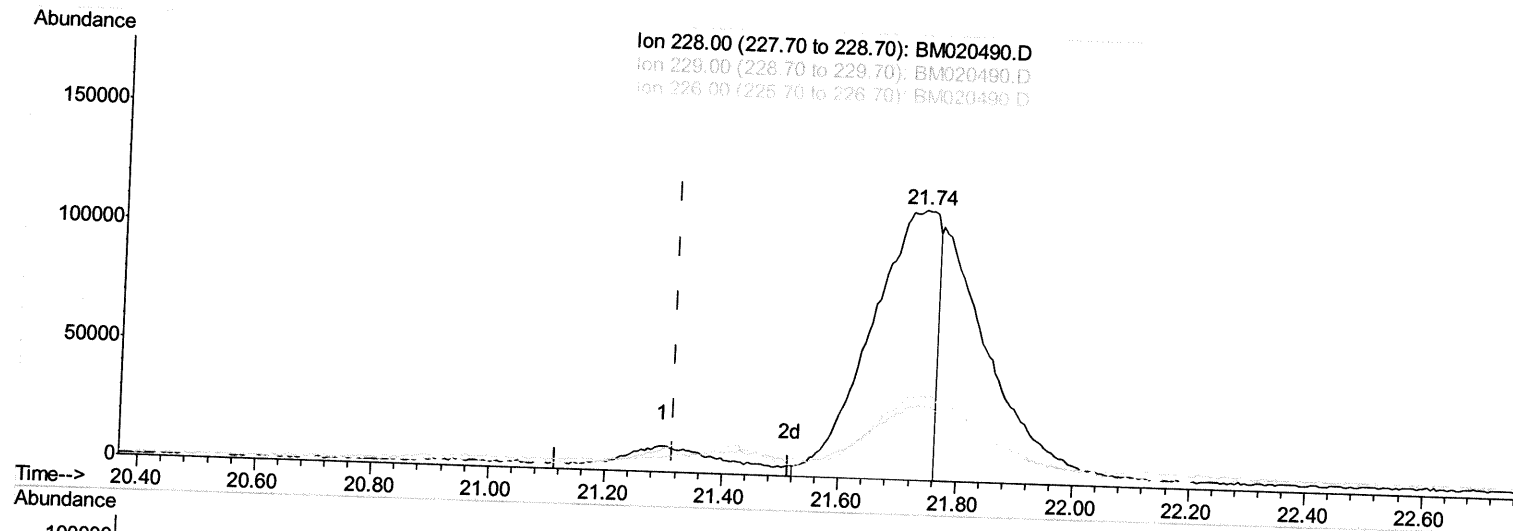
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(82) Benzo(a)anthracene

21.739min (+0.423) 34.15ng/ul m *JU 05/24/19*

response 879980

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.80 | 27.27# |
| 226.00 | 25.70 | 31.15# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

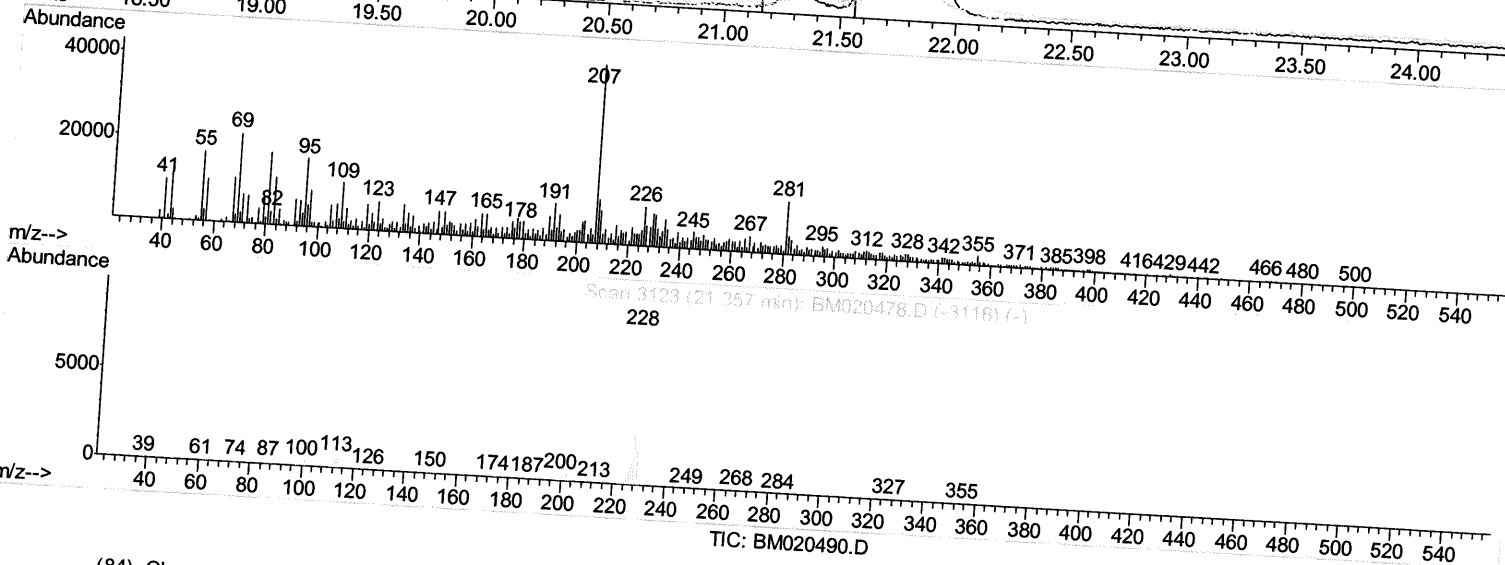
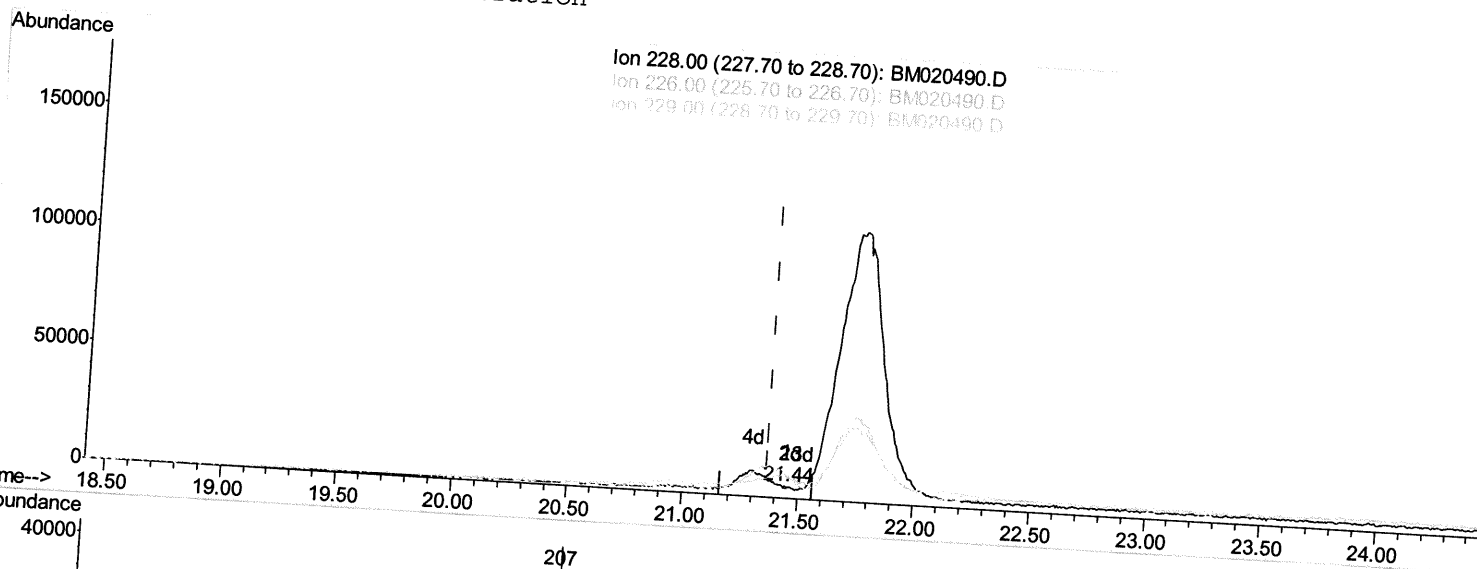
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(84) Chrysene

21.445min (+0.076) 0.01ng/ul

response 366

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 228.00 | 100   | 100     |
| 226.00 | 27.80 | 197.45# |
| 229.00 | 19.30 | 168.12# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

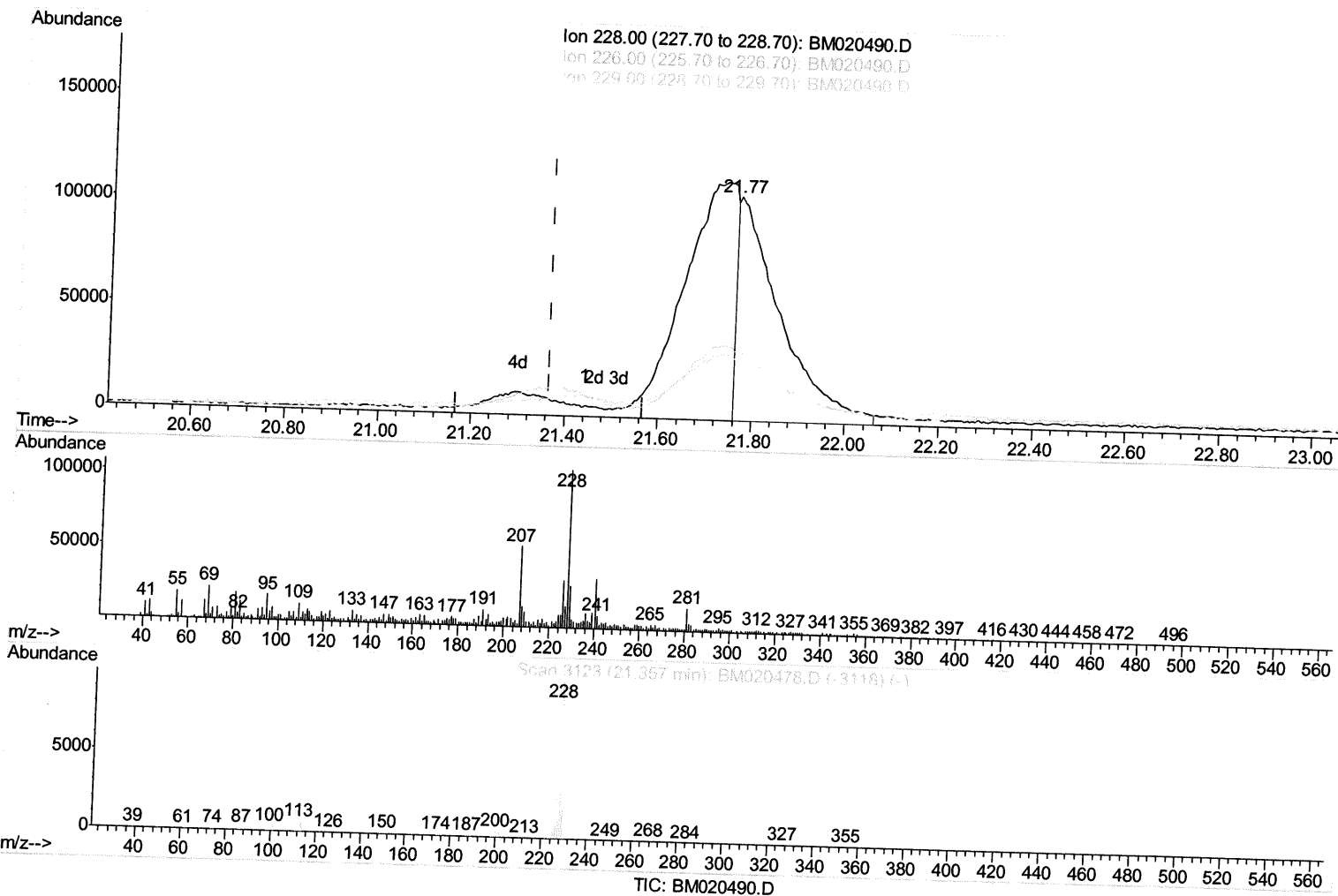
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(84) Chrysene

21.768min (+0.400) 26.68ng/ul m *JU 05/24/19*

response 656875

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 226.00 | 27.80 | 30.40  |
| 229.00 | 19.30 | 26.82# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

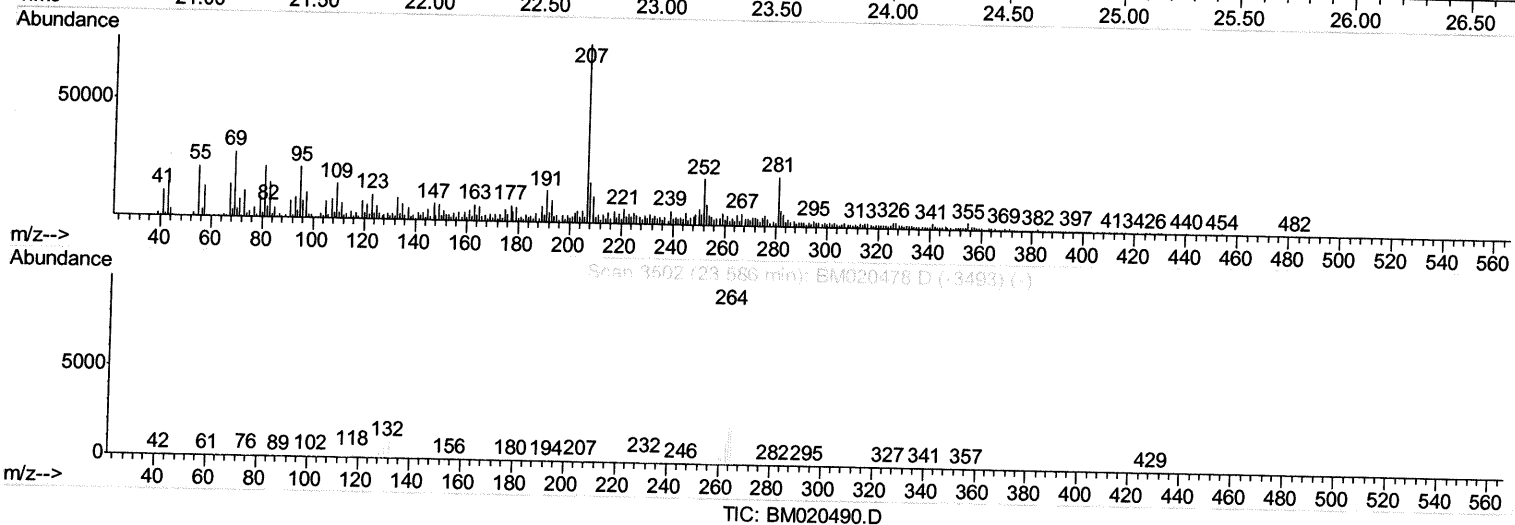
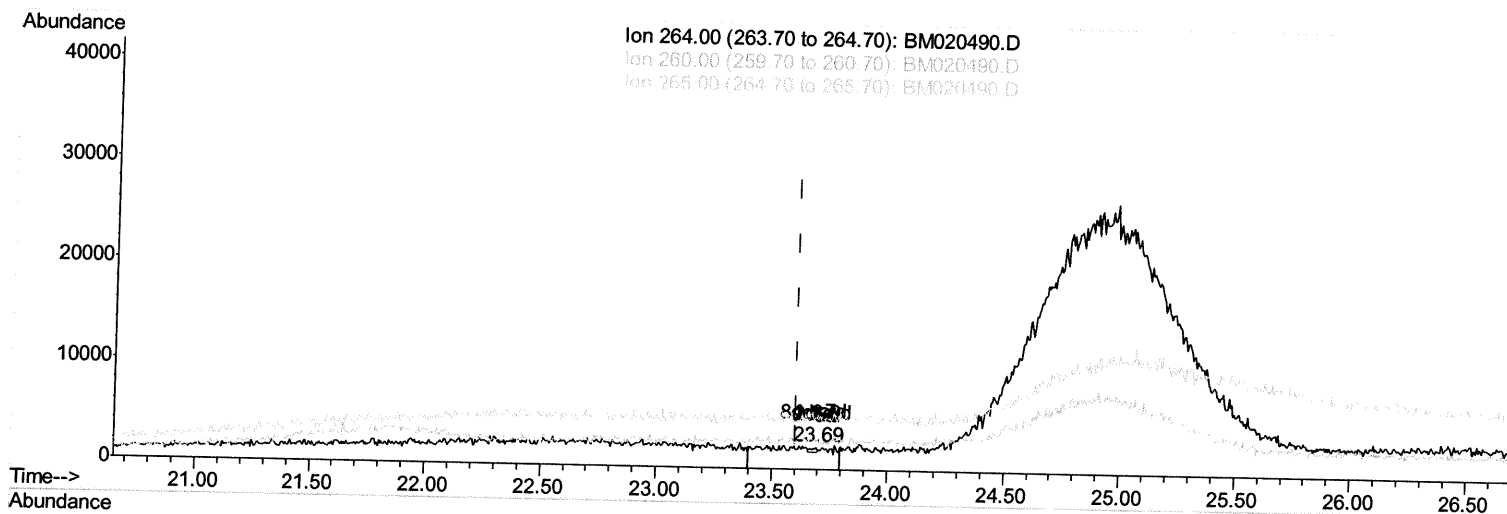
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(85) Perylene-d12 (I)

23.691min (+0.088) 20.00ng/ul

response 698

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 264.00 | 100   | 100     |
| 260.00 | 23.60 | 121.58# |
| 265.00 | 21.90 | 225.92# |
| 0.00   | 0.00  | 0.00    |

## Quantitation Report (Qedit)

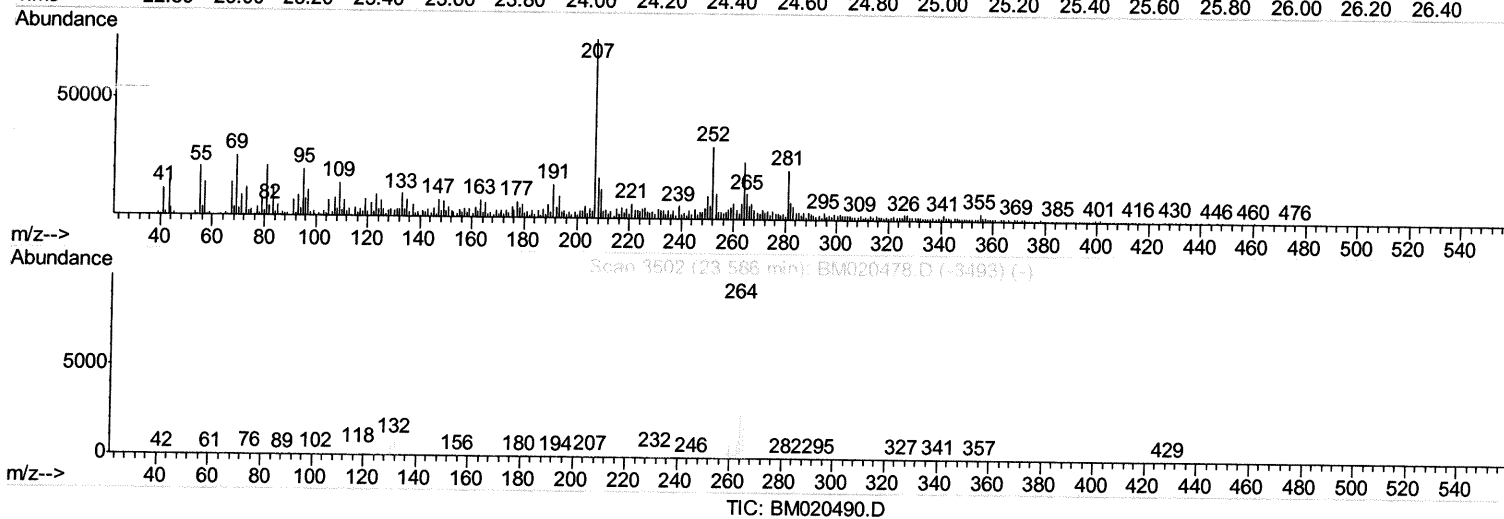
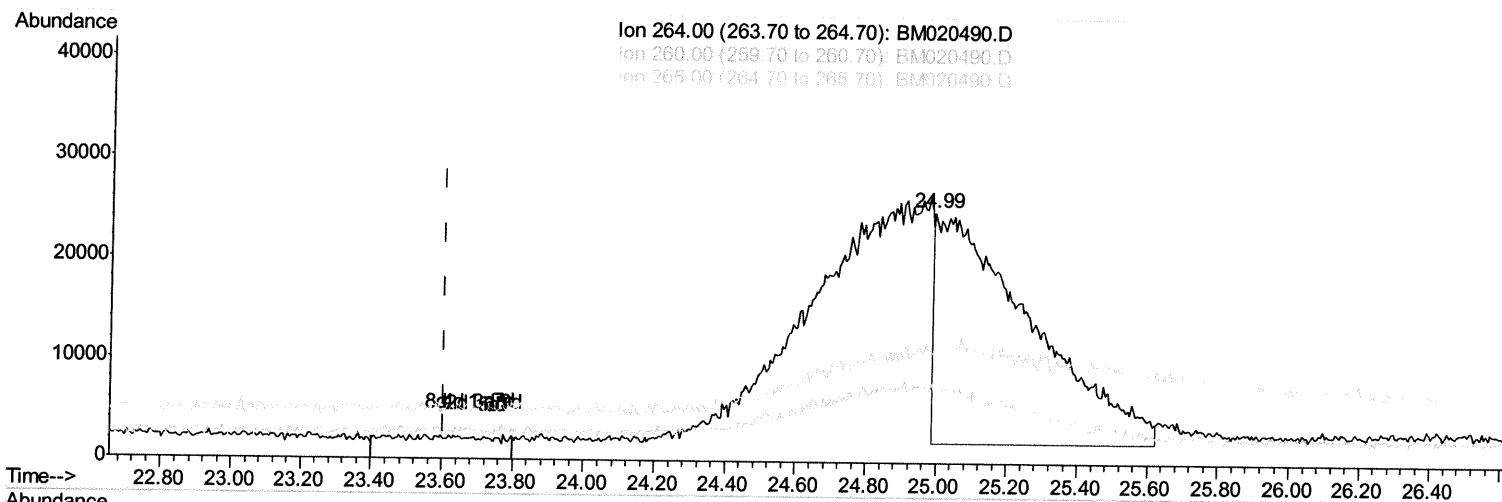
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
Data File : BM020490.D  
Acq On : 22 May 2019 09:31  
Operator : JU/SJ  
Sample : K2923-19  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
A42D7

Manual Integrations  
APPROVED

mohammad  
5/23/2019 8:44:07 AM

Quant Time: May 22 13:11:15 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed May 22 04:54:12 2019  
Response via : Initial Calibration



(85) Perylene-d12 (I)

24.991min (+1.388) 20.00ng/ul m *JU*  
*05/22/19*

response 432985

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 23.60 | 28.22  |
| 265.00 | 21.90 | 44.38# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

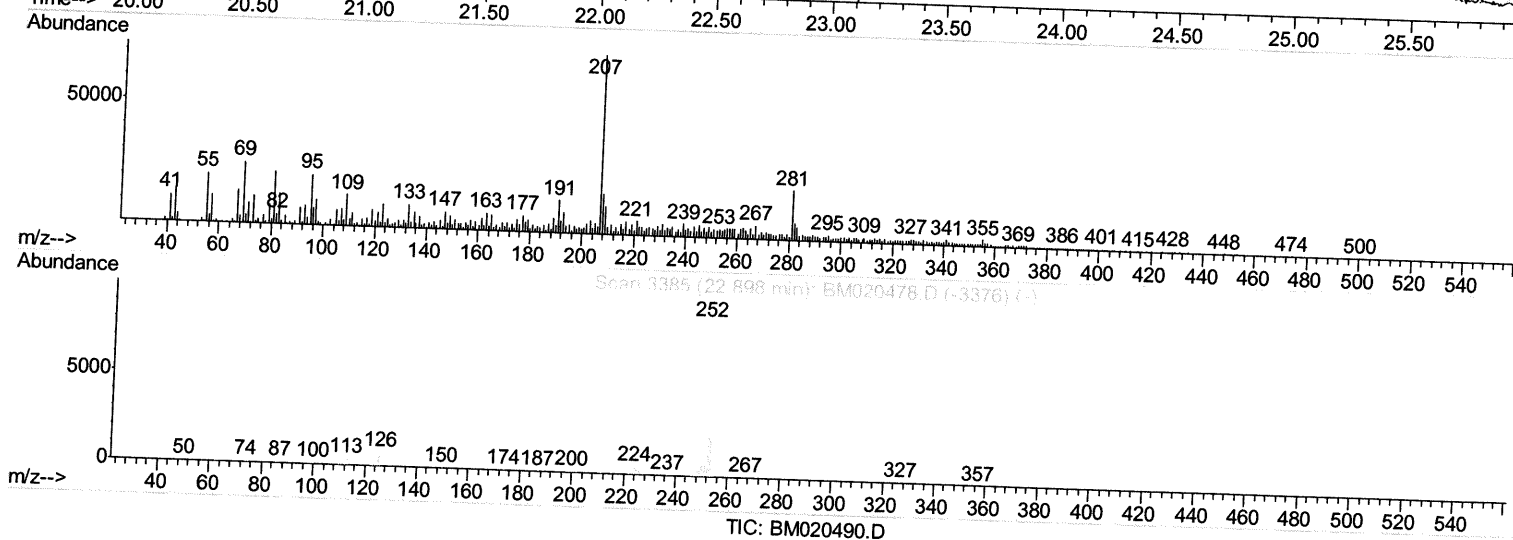
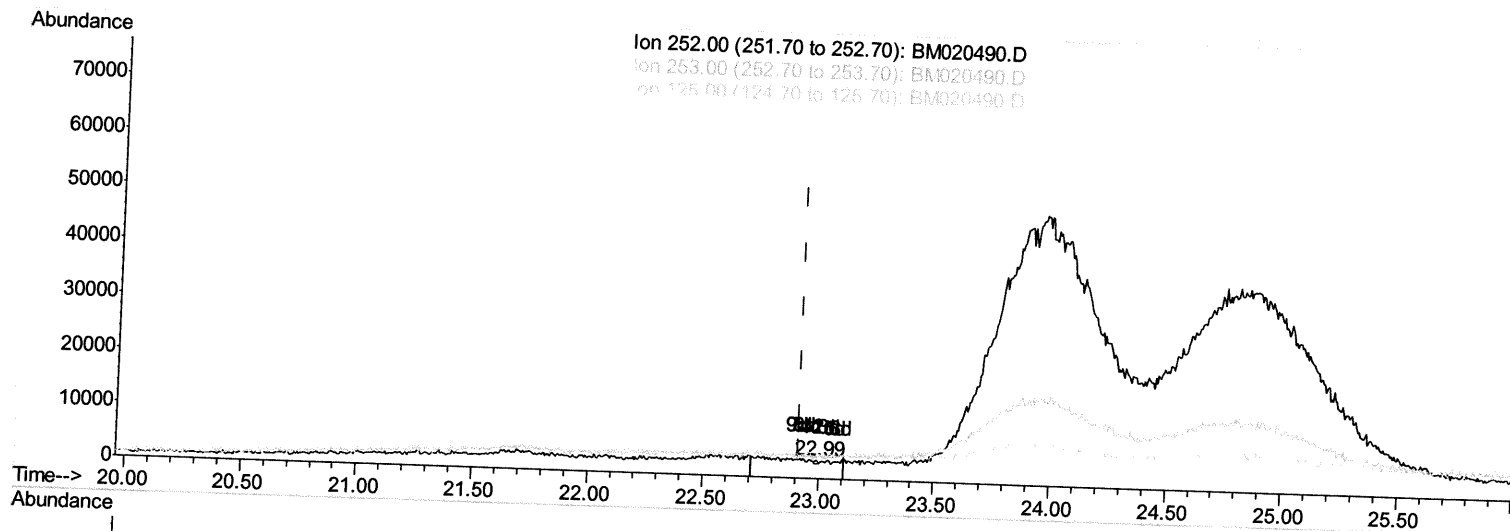
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(87) Benzo(b)fluoranthene

22.991min (+0.076) 0.02ng/ul

response 461

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 21.30 | 120.74# |
| 125.00 | 6.20  | 117.73# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

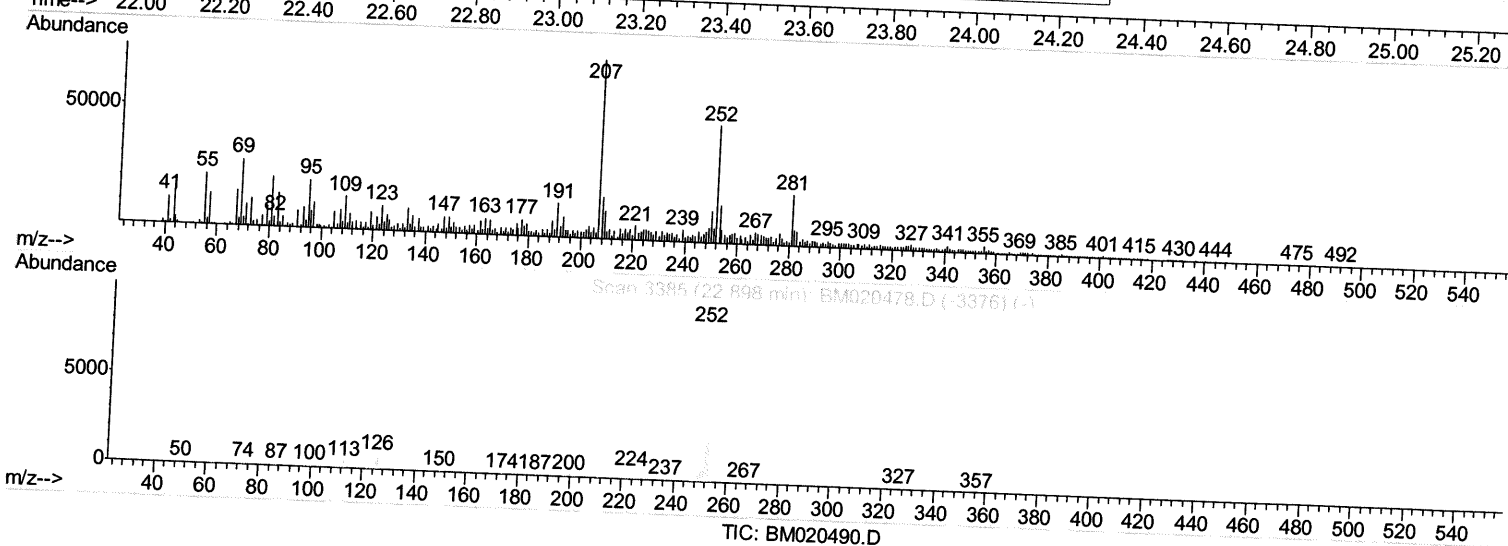
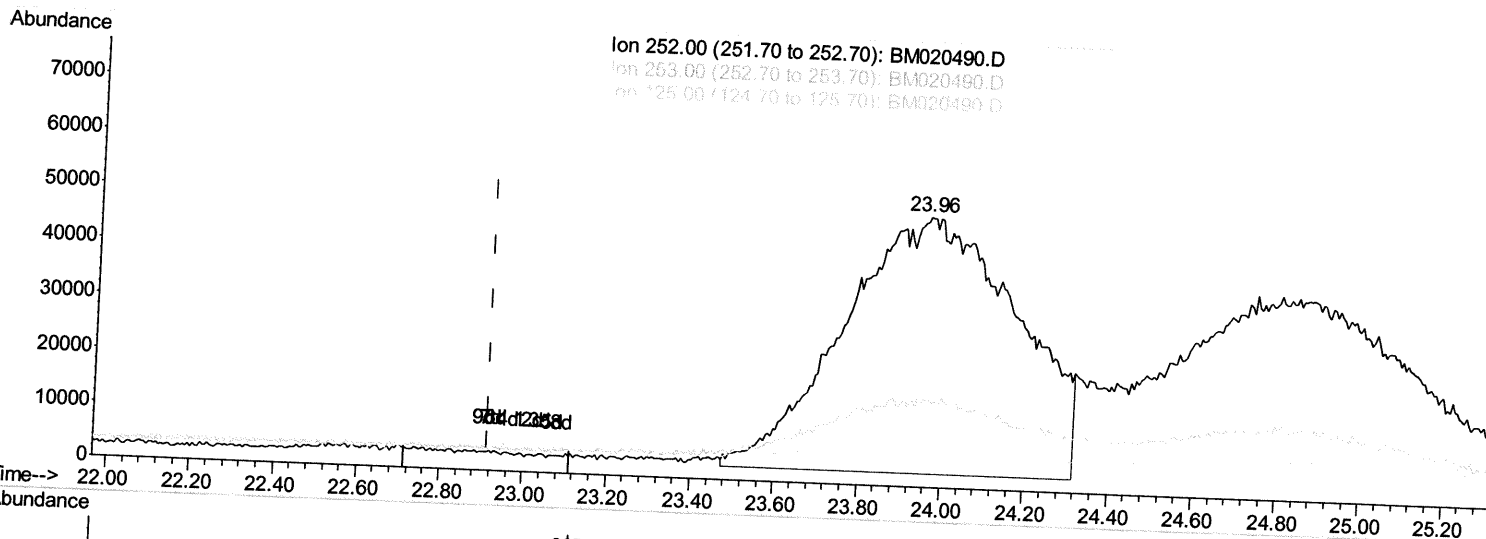
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(87) Benzo(b)fluoranthene

23.956min (+1.041) 54.88ng/ul m

JU  
 05/24/19

response 1356291

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.30 | 32.58# |
| 125.00 | 6.20  | 14.43# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

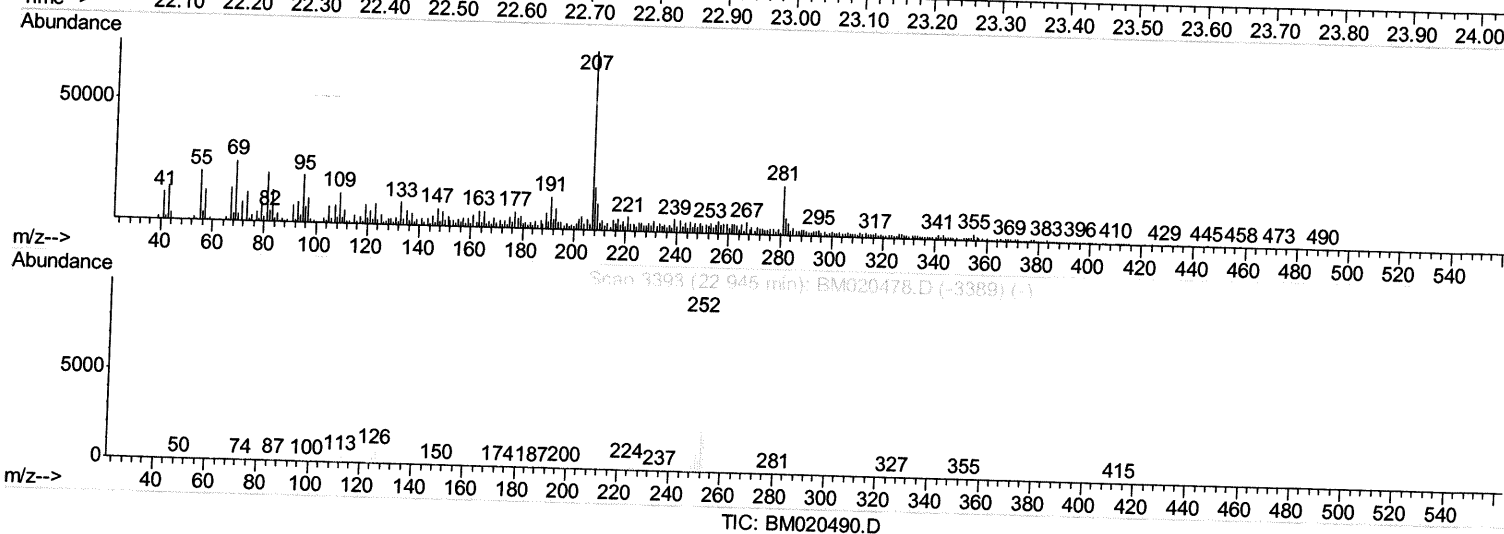
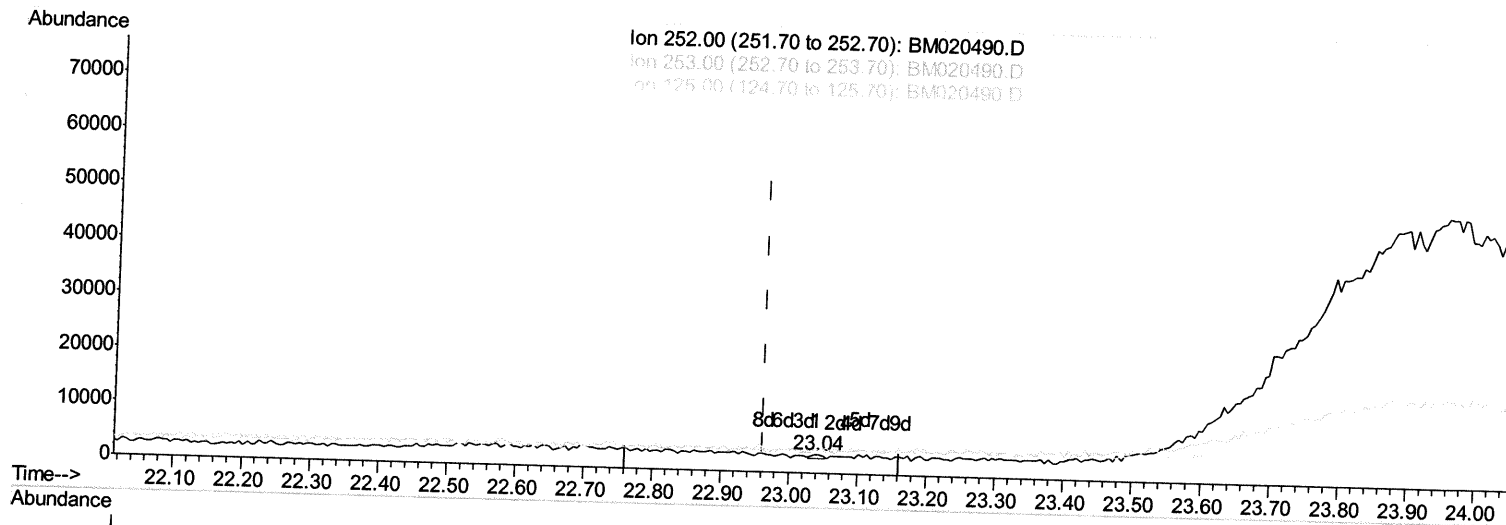
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

23.039min (+0.076) 0.03ng/ul

response 623

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.00 | 131.38# |
| 125.00 | 6.30  | 134.79# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

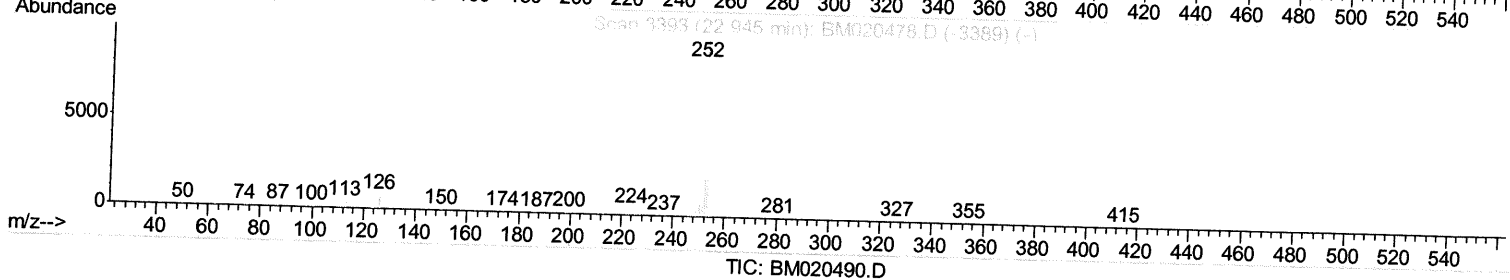
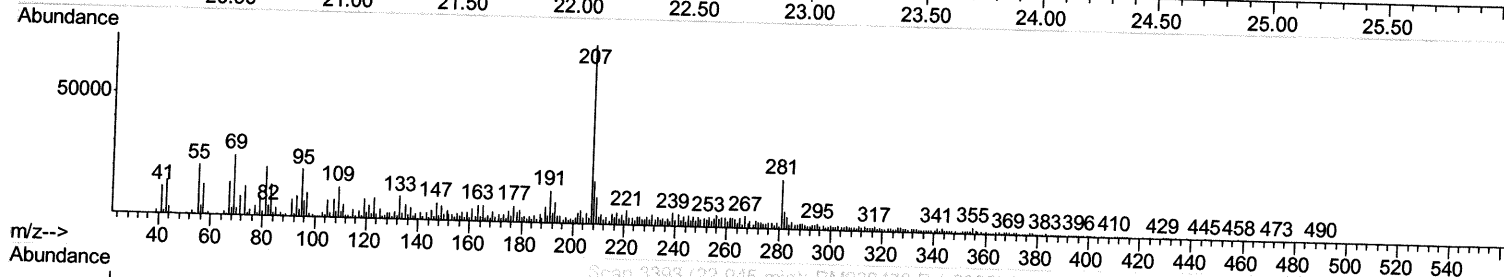
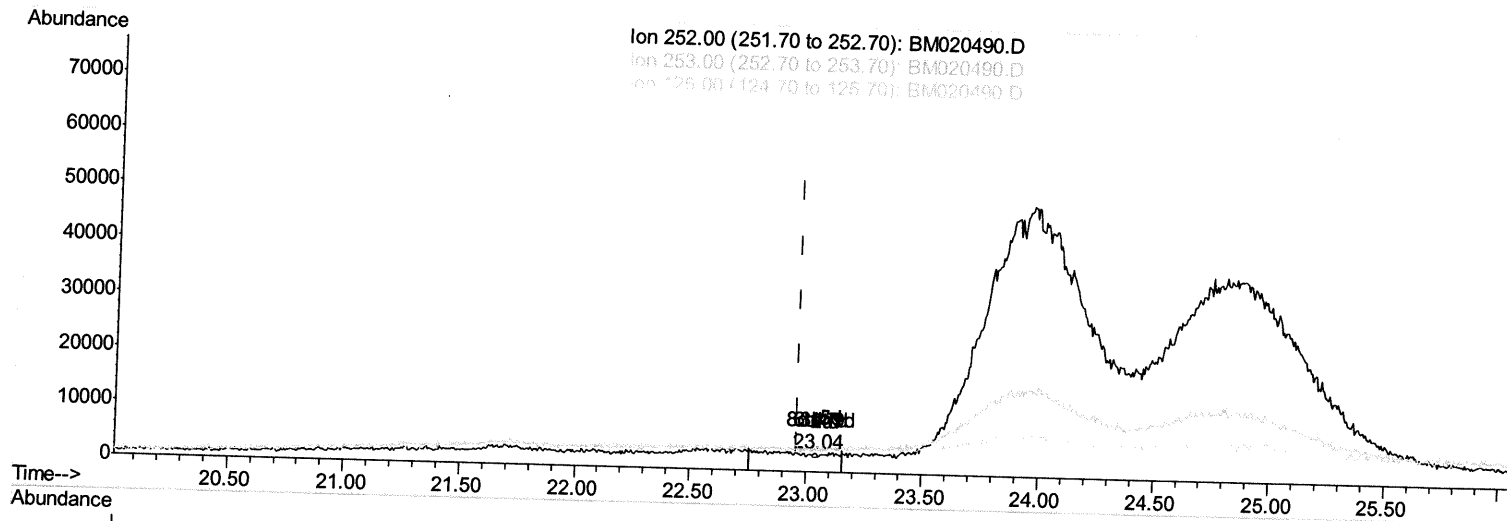
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

23.039min (+0.076) 0.03ng/ui

response 623

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 252.00 | 100   | 100     |
| 253.00 | 22.00 | 131.38# |
| 125.00 | 6.30  | 134.79# |
| 0.00   | 0.00  | 0.00    |

# Quantitation Report (Qedit)

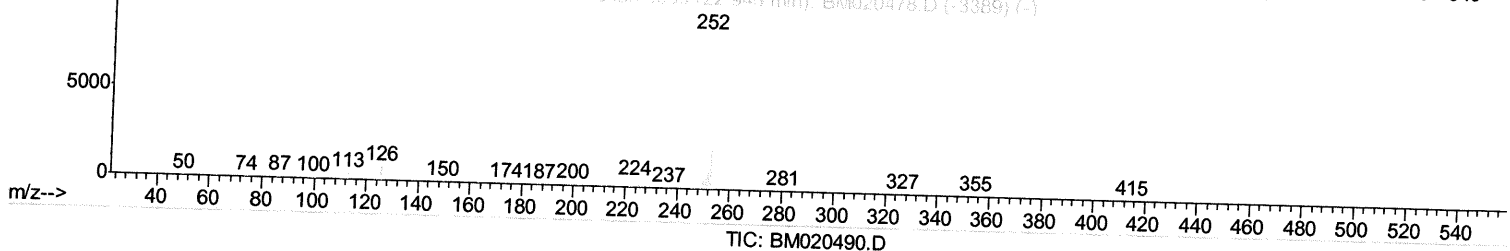
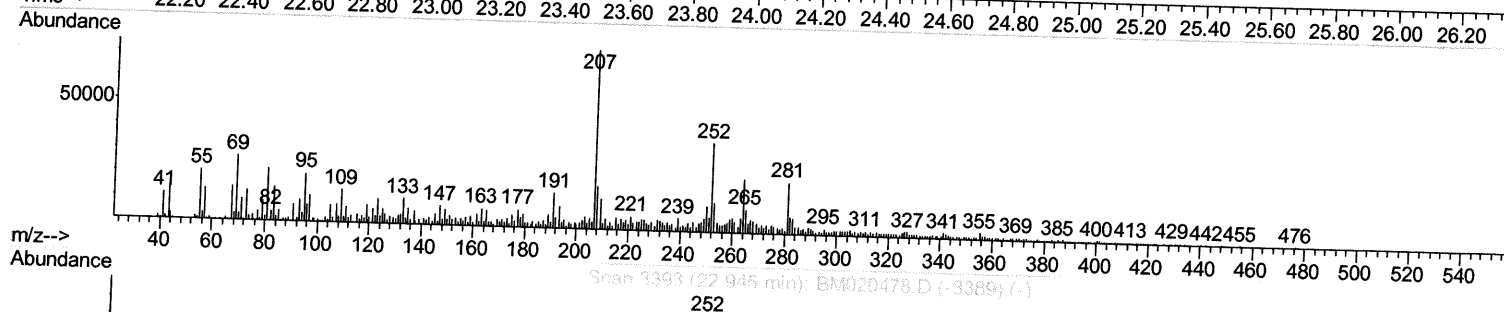
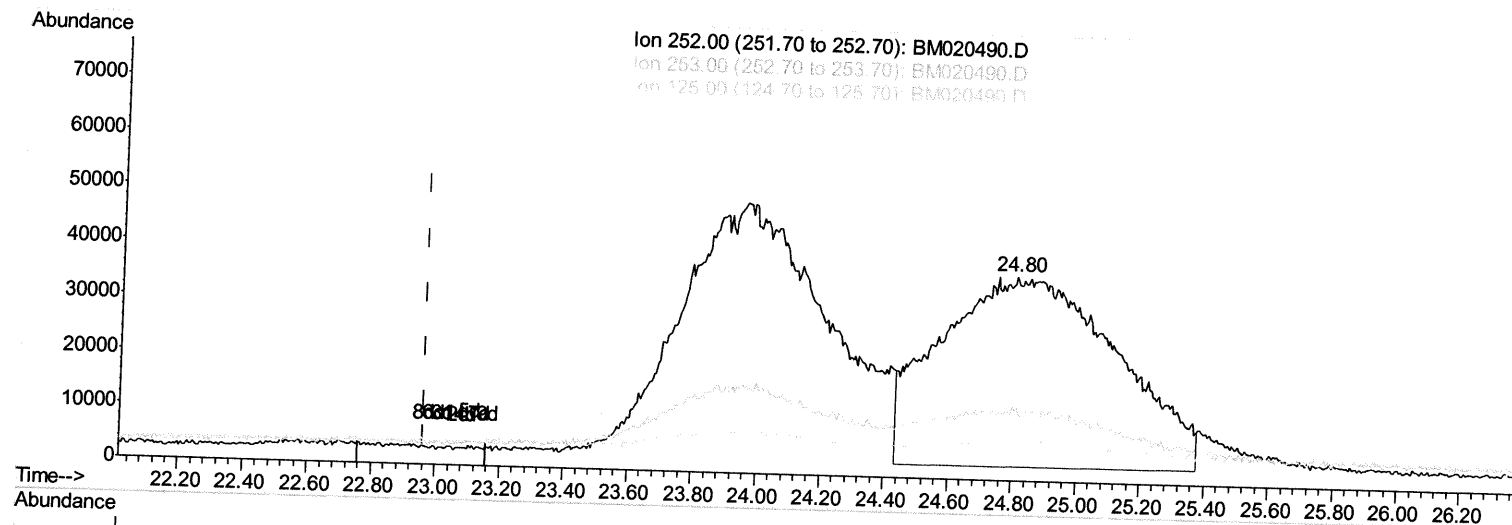
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(88) Benzo(k)fluoranthene

24.803min (+1.841) 54.85ng/ul m<sup>2</sup> *JU 05/24/19*

response 1331447

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.00 | 33.84# |
| 125.00 | 6.30  | 17.26# |
| 0.00   | 0.00  | 0.00   |



# Quantitation Report (Qedit)

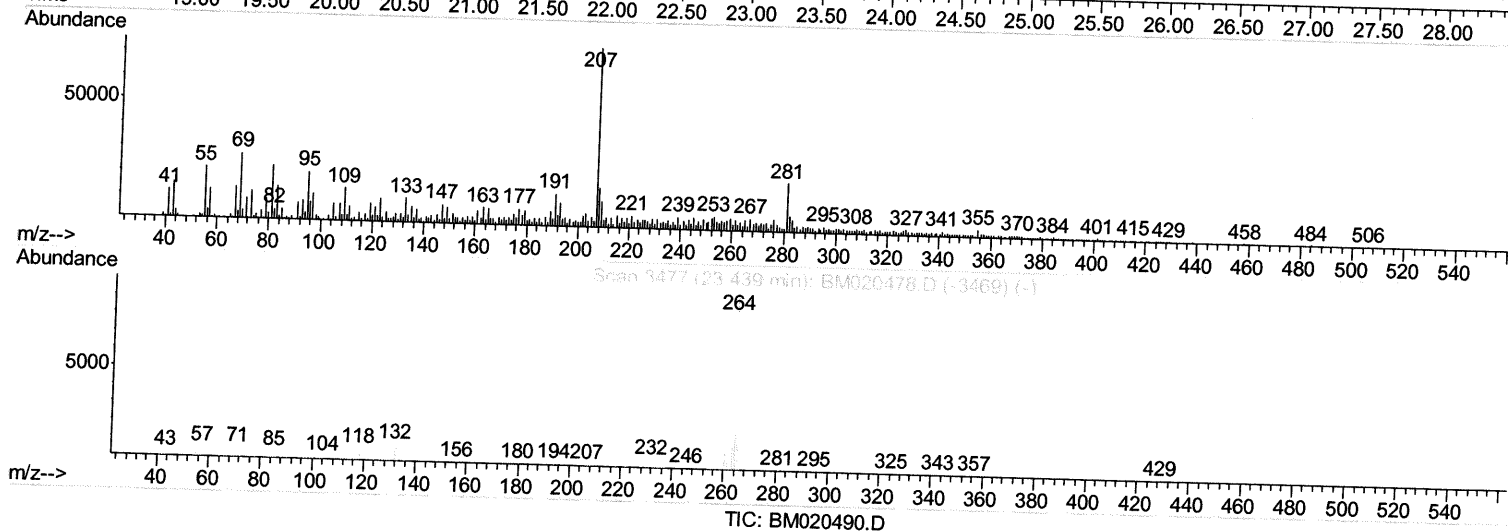
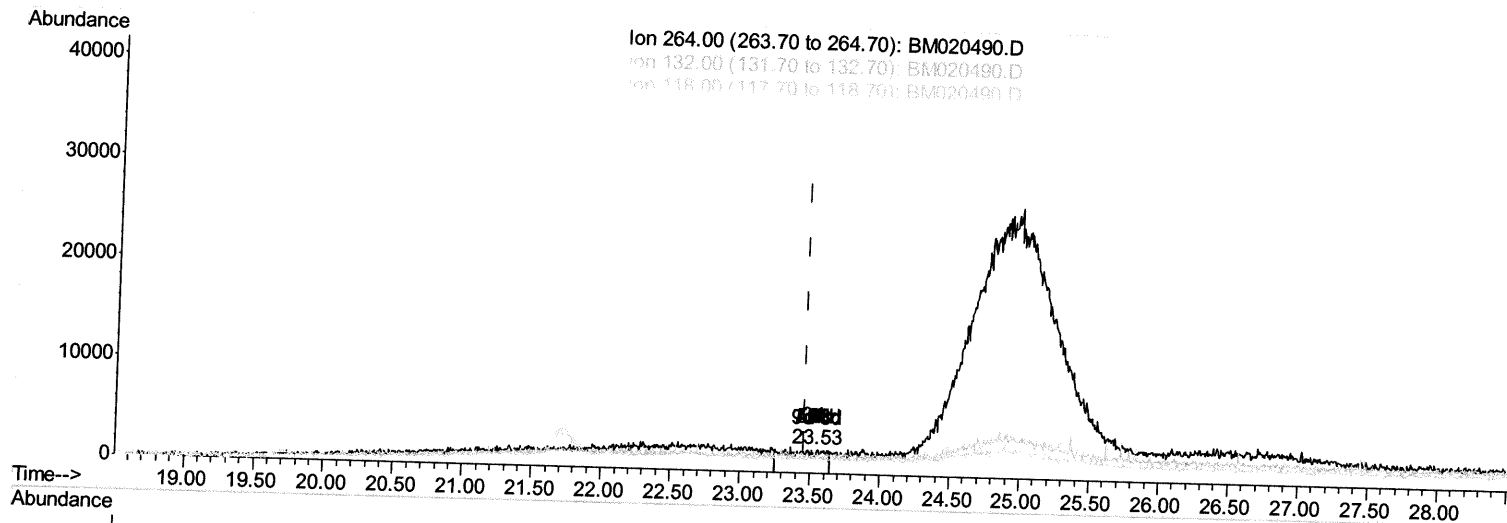
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



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

23.533min (+0.076) 0.01ng/ul

response 269

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 132.00 | 10.00 | 98.34# |
| 118.00 | 6.70  | 65.32# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

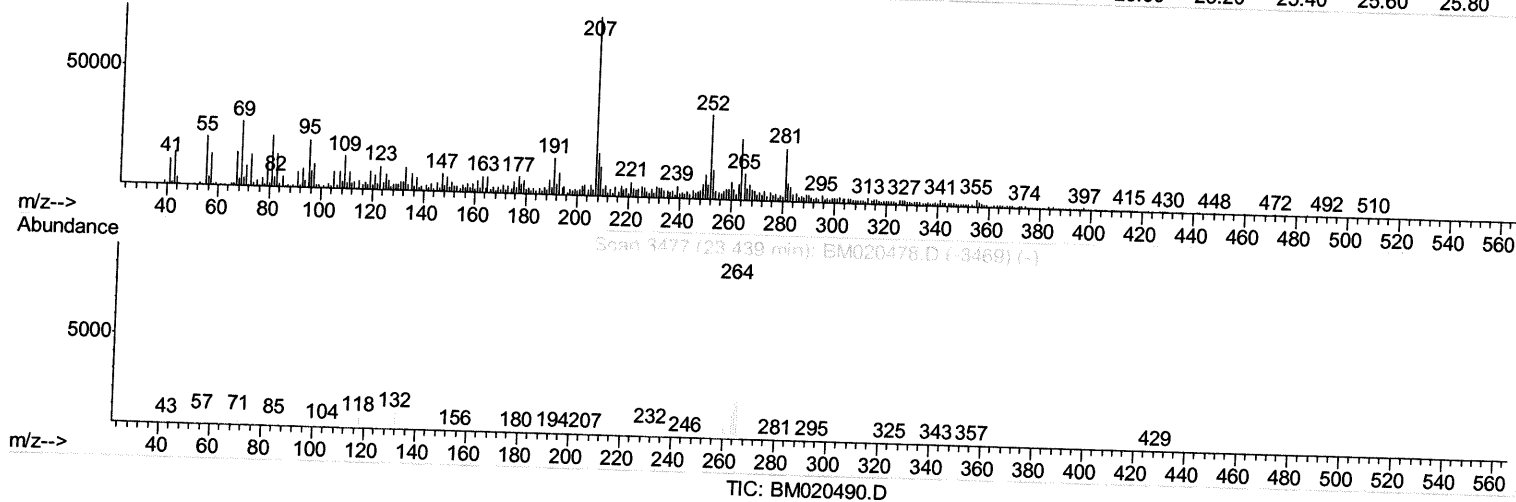
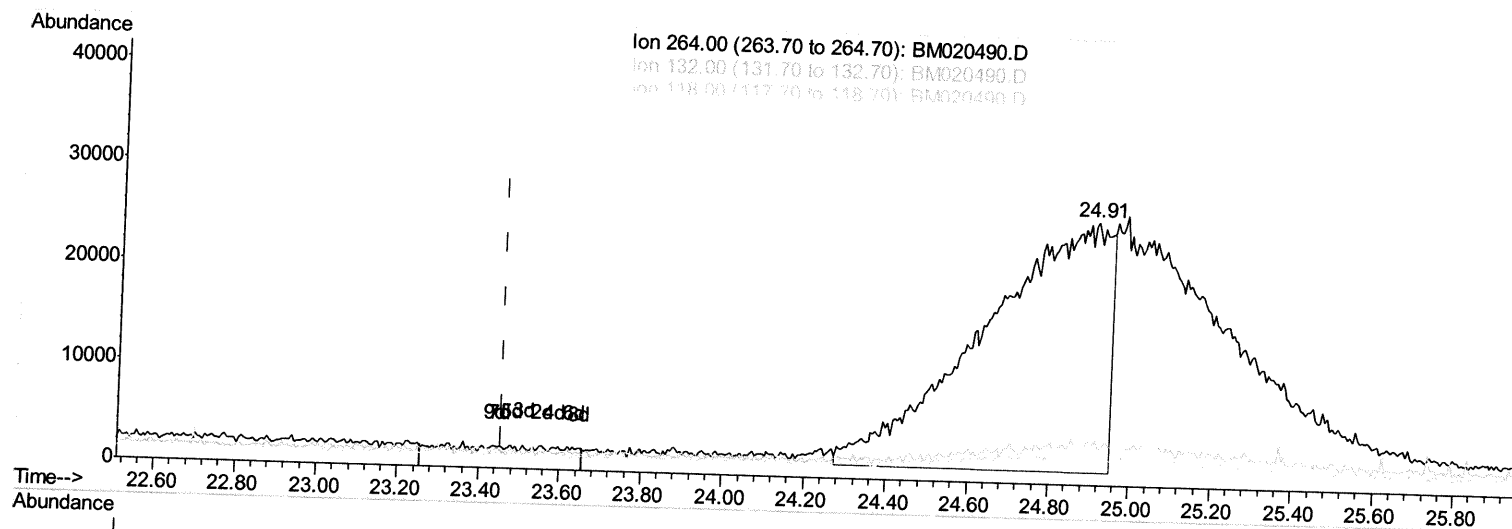
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



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

24.909min (+1.453) 27.00ng/ul m

JU  
 05/24/19

response 531192

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 132.00 | 10.00 | 15.15# |
| 118.00 | 6.70  | 9.76#  |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

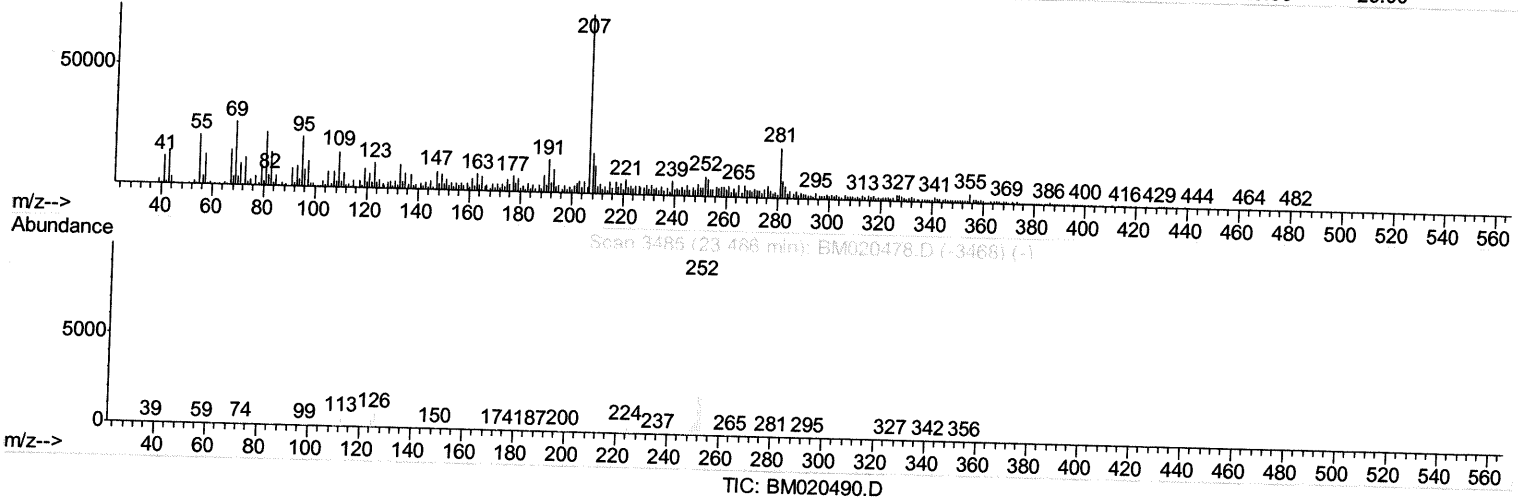
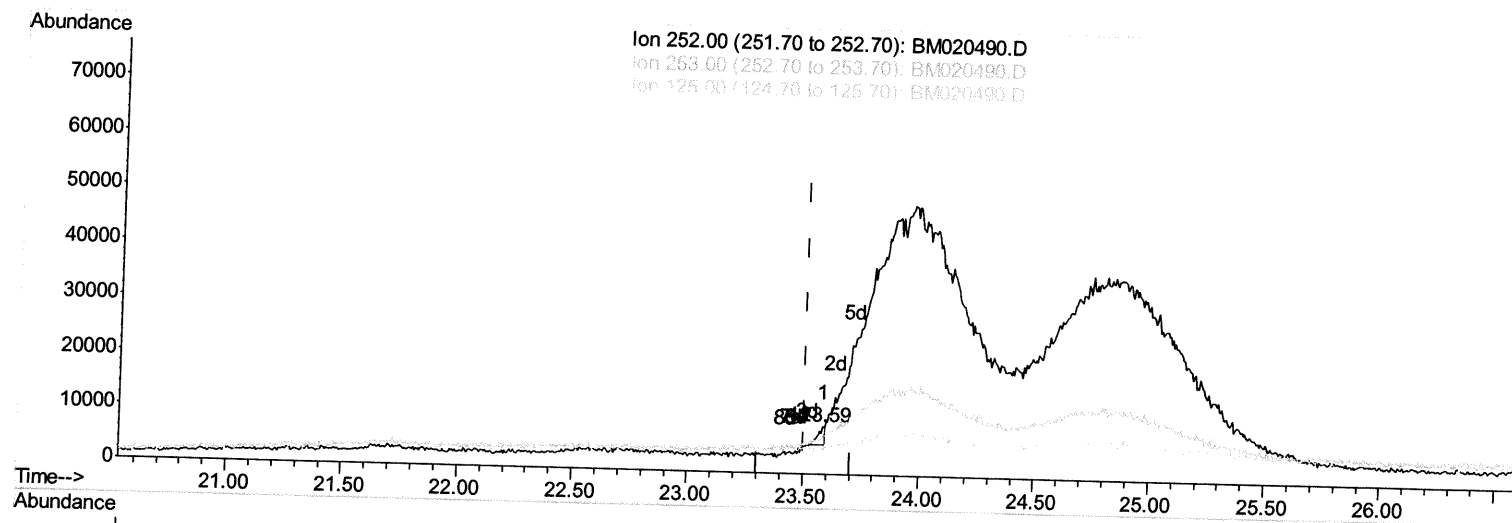
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

23.586min (+0.082) 0.28ng/ul

response 6581

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.80 | 84.03# |
| 125.00 | 6.80  | 45.20# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

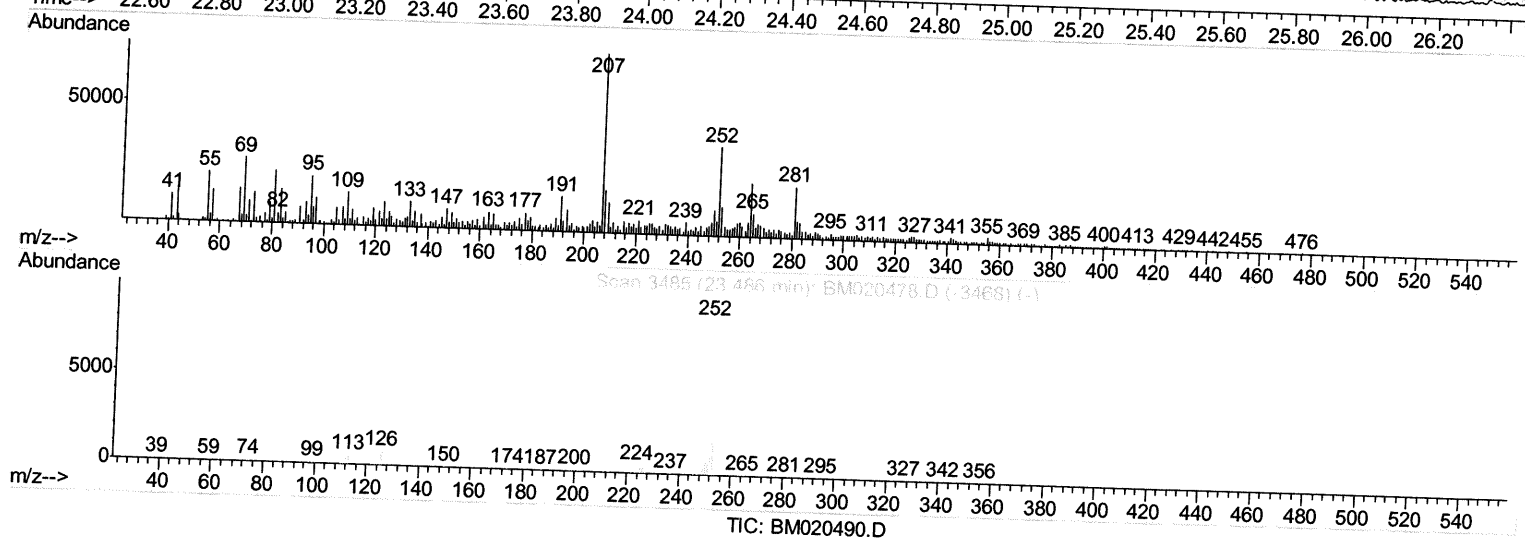
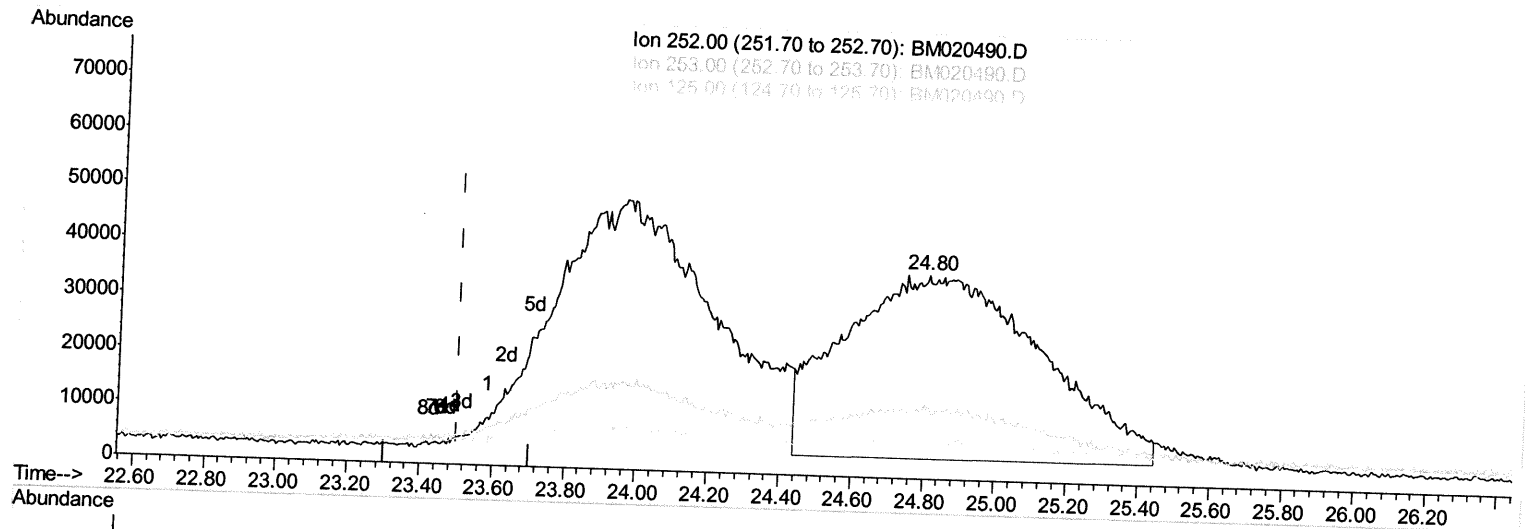
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:14:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration



(90) Benzo(a)pyrene (C)

24.803min (+1.300) 55.61ng/ul m *Ju 5/24/19*

response 1293328

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 21.80 | 33.84# |
| 125.00 | 6.80  | 17.26# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM052119\  
 Data File : BM020490.D  
 Acq On : 22 May 2019 09:31  
 Operator : JU/SJ  
 Sample : K2923-19  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleID :  
 A42D7

Manual Integrations  
 APPROVED

mohammad  
 5/23/2019 8:44:07 AM

Quant Time: May 22 13:18:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed May 22 04:54:12 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 65712    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 247702   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.38 | 164  | 154668   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.18 | 188  | 383846   | 20.00 | ng/ul | 0.05     |
| 77) Chrysene-d12          | 21.72 | 240  | 428087m  | 20.00 | ng/ul | 0.39     |
| 85) Perylene-d12          | 24.99 | 264  | 432985m  | 20.00 | ng/ul | 1.39     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 5921    | 3.33  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 88633   | 16.91 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 52645   | 15.80 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 72114   | 18.76 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.44  | 113 | 65430   | 17.14 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 29458   | 18.28 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 33782   | 19.01 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 70850   | 18.85 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 30531   | 7.86  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 219002  | 19.68 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 274439  | 19.72 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.86 | 143 | 19315m  | 11.95 | ng/ul | 0.26 |
| 57) Fluorene-d10               | 15.39 | 176 | 204186  | 20.63 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.63 | 200 | 5511m   | 2.52  | ng/ul | 0.11 |
| 70) Anthracene-d10             | 17.28 | 188 | 329106  | 19.99 | ng/ul | 0.05 |
| 78) Pyrene-d10                 | 19.69 | 212 | 413715m | 20.06 | ng/ul | 0.16 |
| 89) Benzo(a)pyrene-d12         | 24.91 | 264 | 531192m | 27.00 | ng/ul | 1.45 |

## Target Compounds

| Target Compounds         | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------|-------|------|----------|--------|-------|--------|
| 28) Naphthalene          | 10.57 | 128  | 23734    | 2.085  | ng/ul | 96     |
| 44) Dimethylphthalate    | 13.84 | 163  | 76439    | 6.944  | ng/ul | 98     |
| 47) Acenaphthylene       | 14.10 | 152  | 29930    | 2.280  | ng/ul | 96     |
| 49) Acenaphthene         | 14.44 | 153  | 56465    | 6.257  | ng/ul | 99     |
| 53) Dibenzofuran         | 14.79 | 168  | 39585    | 2.897  | ng/ul | 94     |
| 58) Fluorene             | 15.44 | 166  | 60780    | 5.552  | ng/ul | 98     |
| 69) Phenanthrene         | 17.22 | 178  | 956692   | 52.309 | ng/ul | 99     |
| 71) Anthracene           | 17.32 | 178  | 253616   | 13.632 | ng/ul | 96     |
| 74) Carbazole            | 17.65 | 167  | 115113   | 7.290  | ng/ul | 97     |
| 76) Fluoranthene         | 19.32 | 202  | 1401431  | 60.660 | ng/ul | 98     |
| 79) Pyrene               | 19.73 | 202  | 1211342m | 47.144 | ng/ul |        |
| 82) Benzo(a)anthracene   | 21.74 | 228  | 879980m  | 34.153 | ng/ul |        |
| 84) Chrysene             | 21.77 | 228  | 656875m  | 26.677 | ng/ul |        |
| 87) Benzo(b)fluoranthene | 23.96 | 252  | 1356291m | 54.885 | ng/ul |        |
| 88) Benzo(k)fluoranthene | 24.80 | 252  | 1331447m | 54.854 | ng/ul |        |
| 90) Benzo(a)pyrene       | 24.80 | 252  | 1293328m | 55.613 | ng/ul |        |

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