

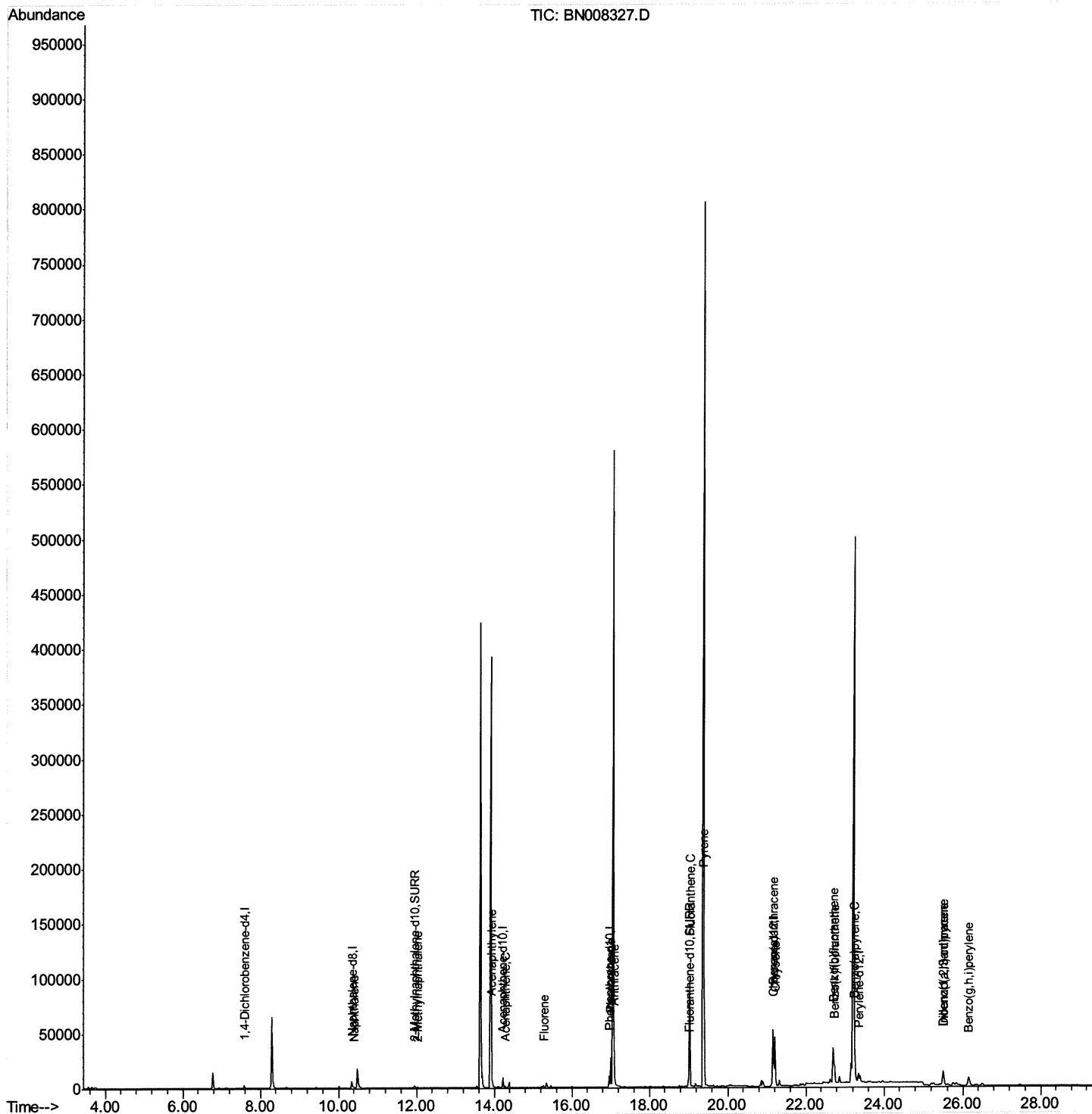
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
Data File : BN008327.D  
Acq On : 22 Oct 2019 22:33  
Operator : JU  
Sample : K5223-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPD9

Manual Integrations  
APPROVED

mohammad  
10/24/2019 8:05:35 AM

Quant Time: Oct 23 02:20:11 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 21 23:58:15 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

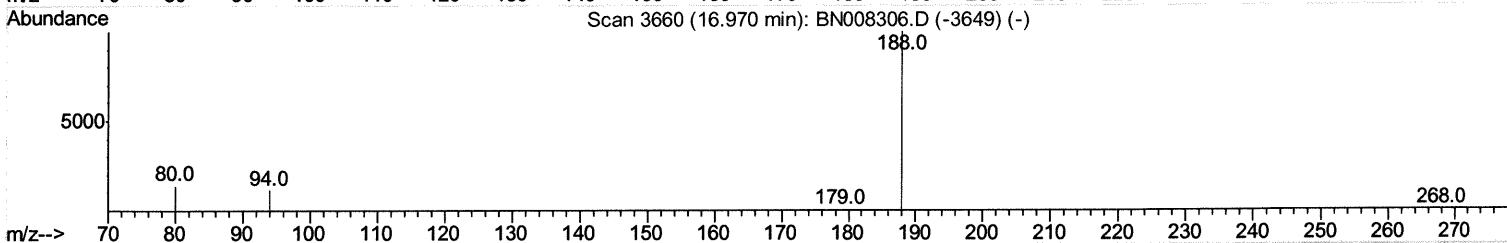
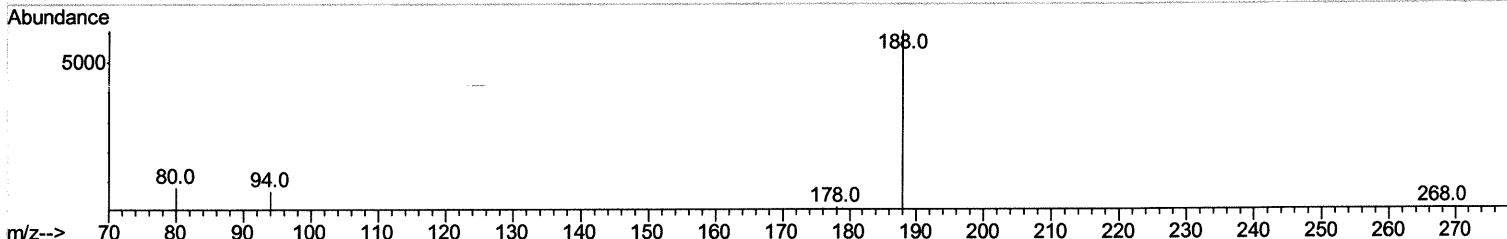
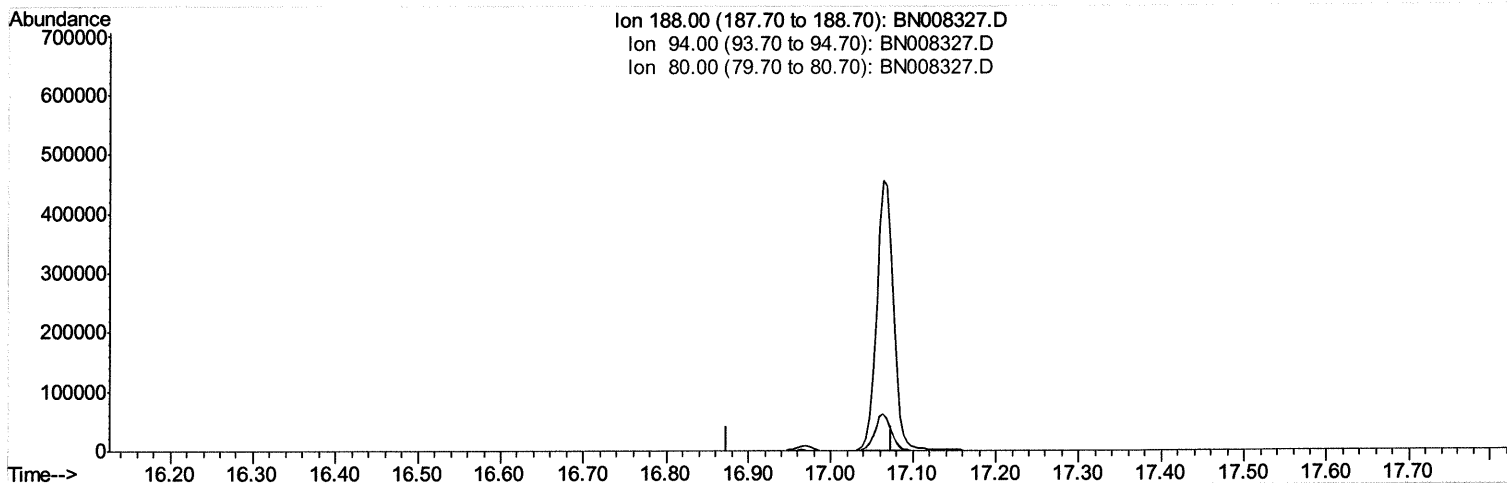
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**Manual Integrations**  
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mohammad  
 10/24/2019 8:05:35 AM

Quant Time: Oct 23 01:05:26 2019  
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TIC: BN008327.D

(10) Phenanthrene-d10 (I)

16.975min (-16.975) 0.00ng/ul

response 0

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 0.00  |
| 94.00  | 10.90 | 0.00# |
| 80.00  | 12.60 | 0.00# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

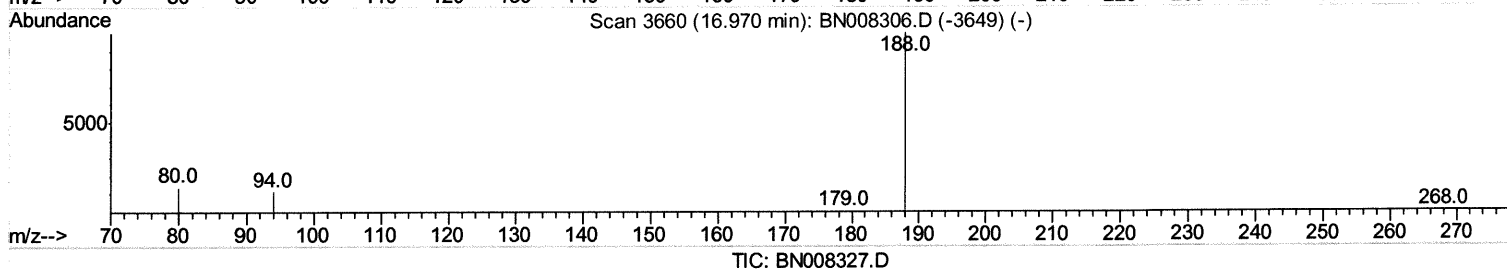
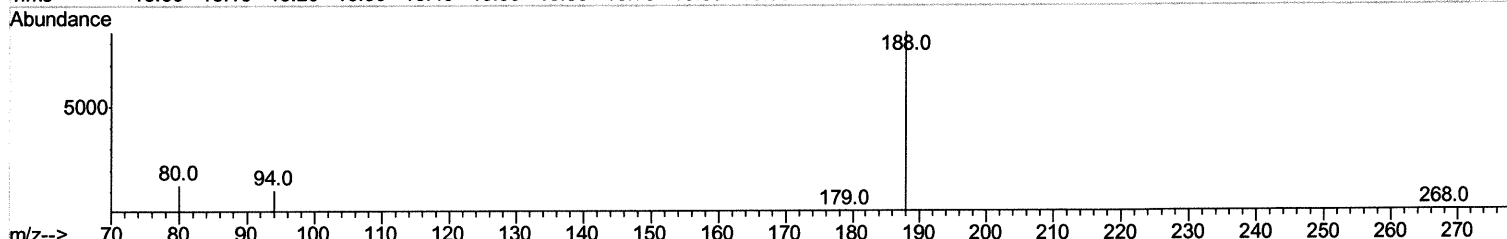
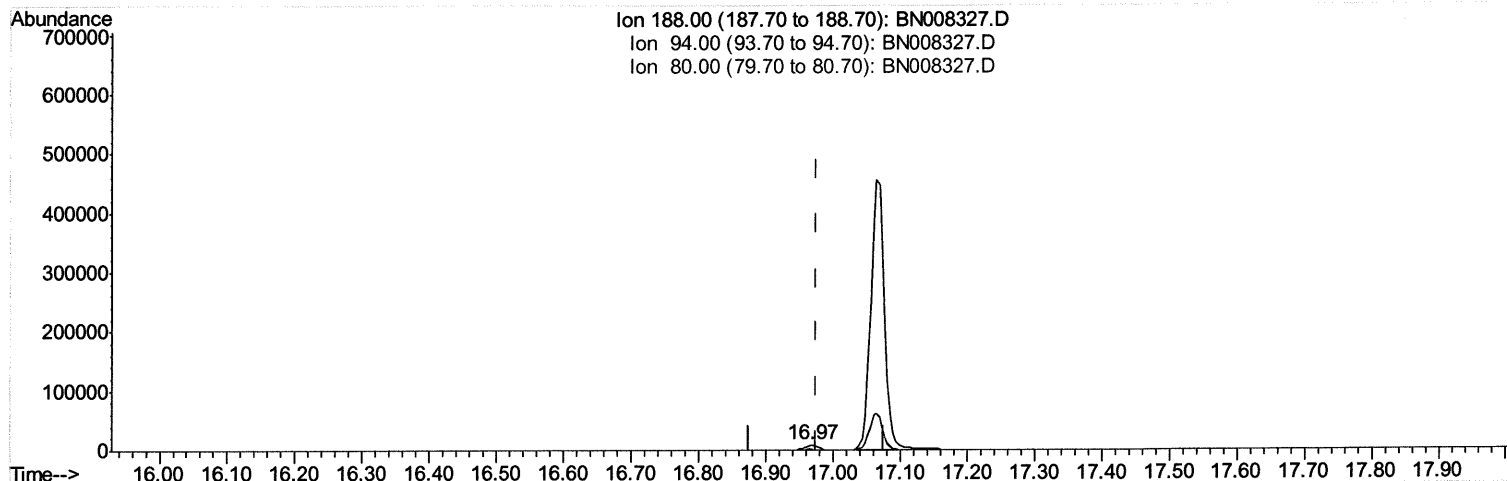
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
 Data File : BN008327.D  
 Acq On : 22 Oct 2019 22:33  
 Operator : JU  
 Sample : K5223-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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 Response via : Initial Calibration



TIC: BN008327.D

(10) Phenanthrene-d10 (I)

16.967min (-0.008) 0.40ng/ul m *JU 10.23.19*

response 11851

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 10.90 | 12.45 |
| 80.00  | 12.60 | 14.97 |
| 0.00   | 0.00  | 0.00  |

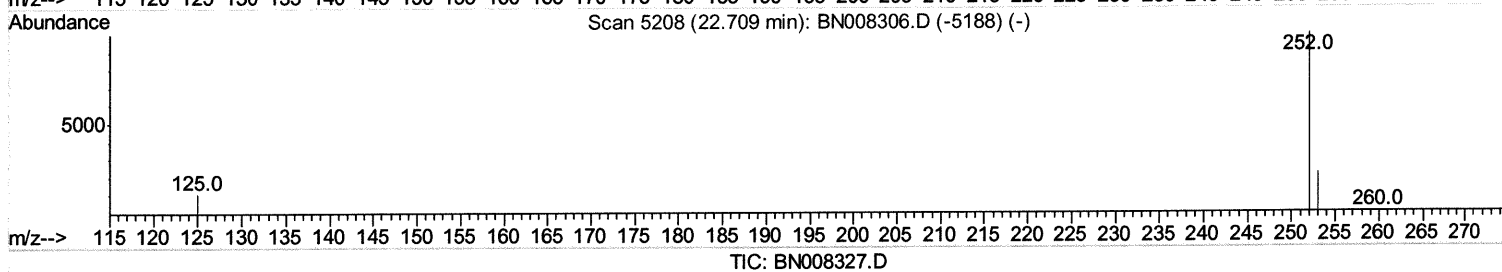
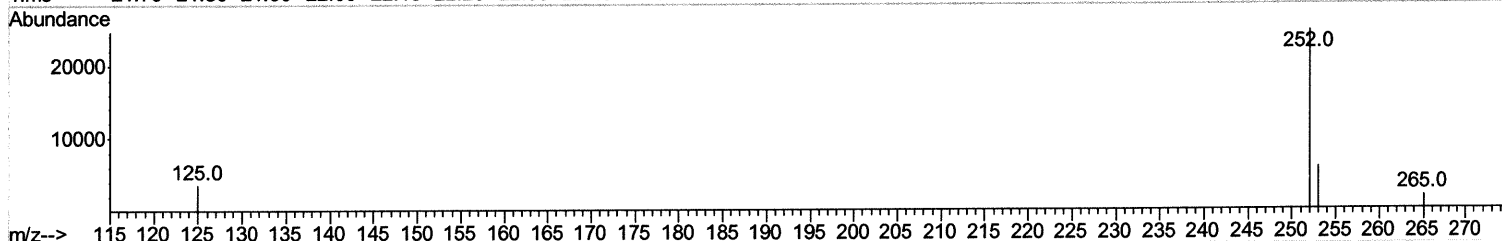
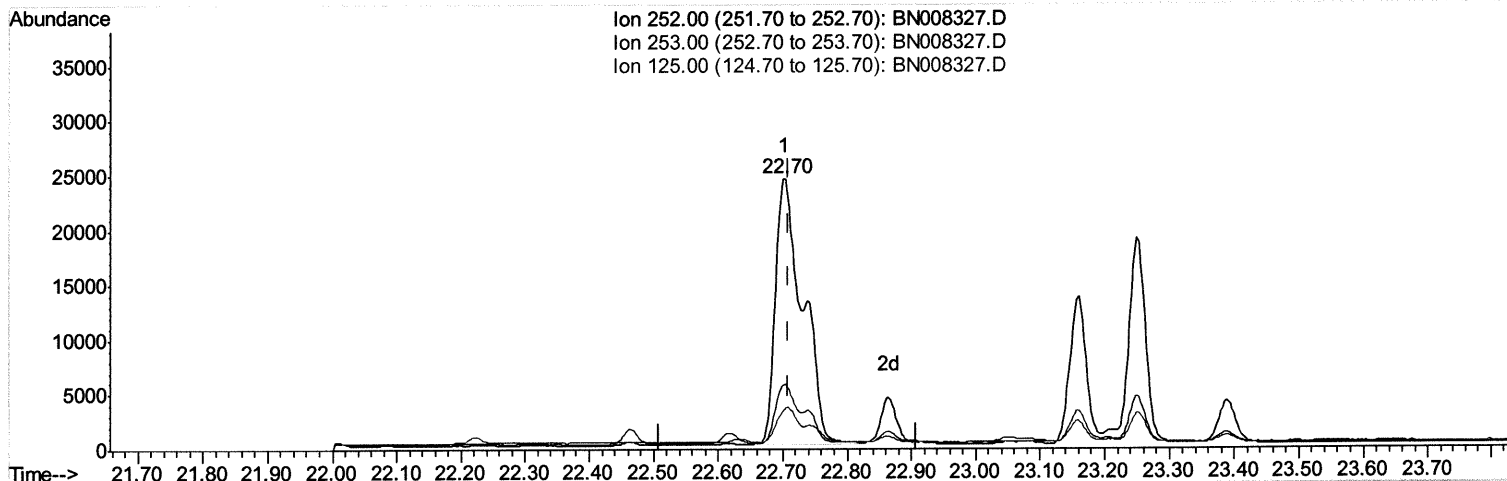
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
Data File : BN008327.D  
Acq On : 22 Oct 2019 22:33  
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Sample : K5223-05  
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Manual Integrations  
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mohammad  
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Quant Time: Oct 23 02:18:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
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(21) Benzo(b)fluoranthene

22.703min (-0.005) 2.20ng/ul

response 71802

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.70 | 24.23 |
| 125.00 | 16.20 | 14.88 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

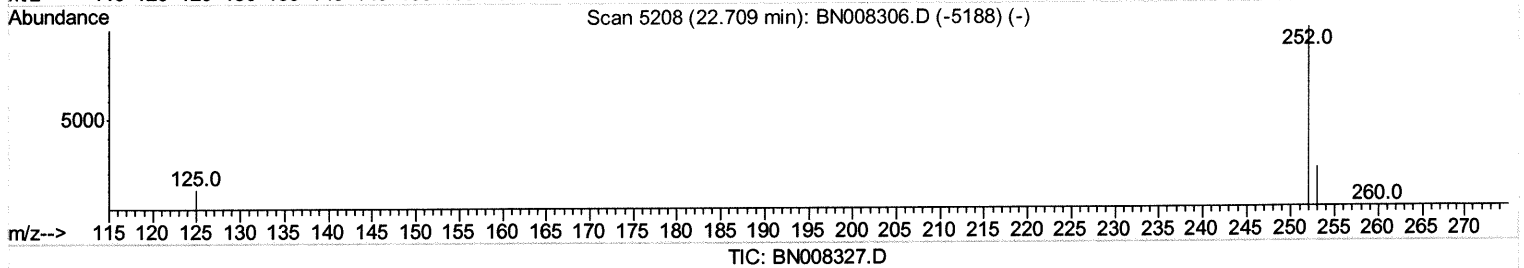
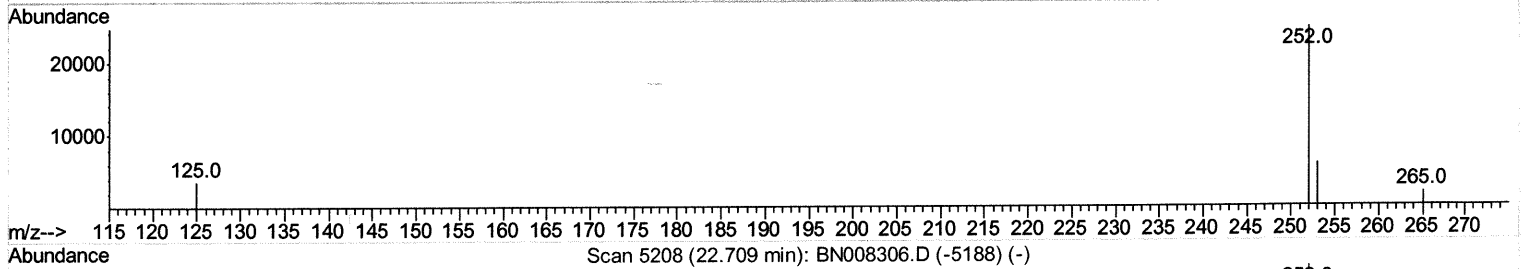
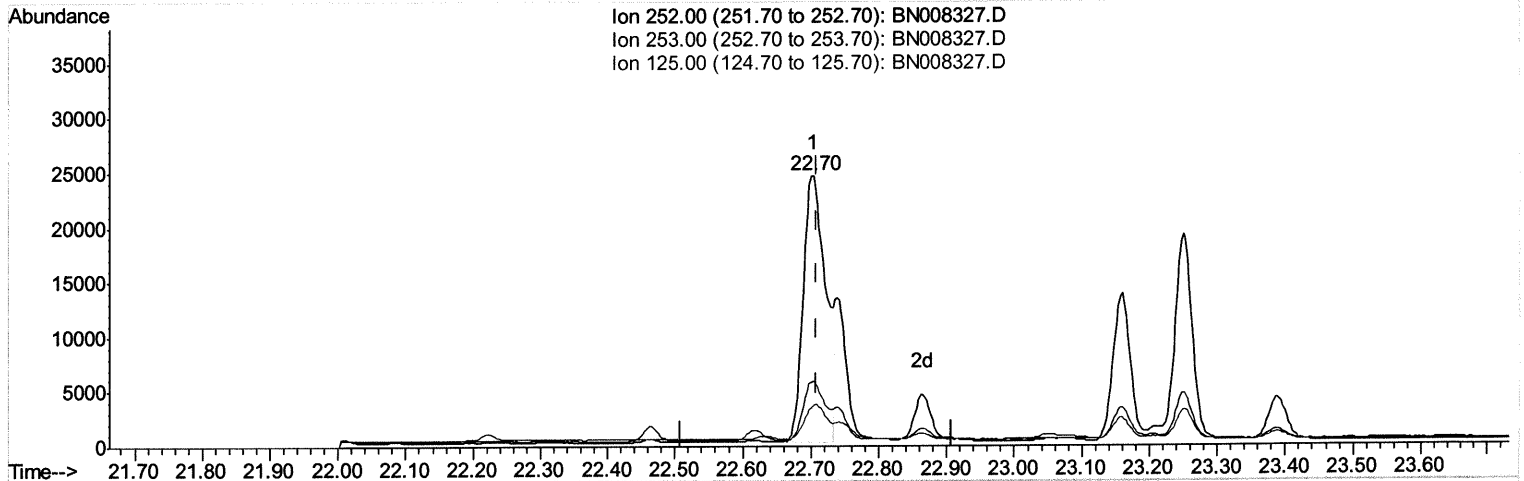
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
 Data File : BN008327.D  
 Acq On : 22 Oct 2019 22:33  
 Operator : JU  
 Sample : K5223-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEPD9

Manual Integrations  
 APPROVED

mohammad  
 10/24/2019 8:05:35 AM

Quant Time: Oct 23 02:18:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.703min (-0.005) 1.69ng/ul m *JU 10-23-19*

response 55274

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.70 | 24.23 |
| 125.00 | 16.20 | 14.88 |
| 0.00   | 0.00  | 0.00  |

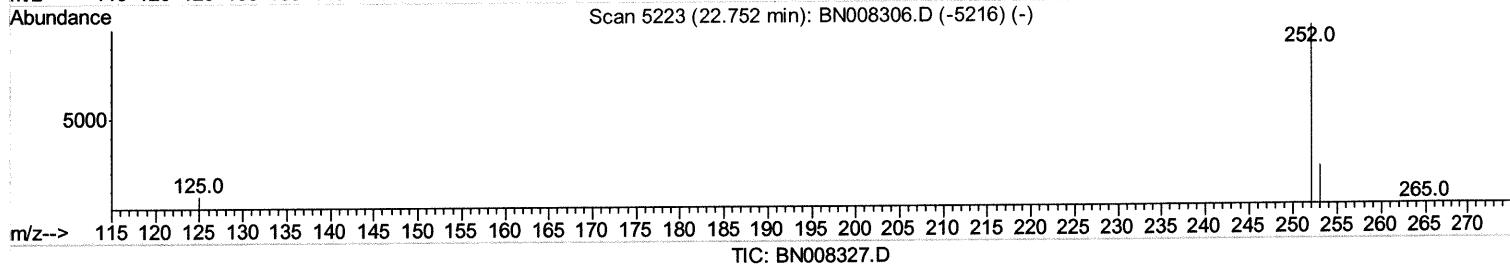
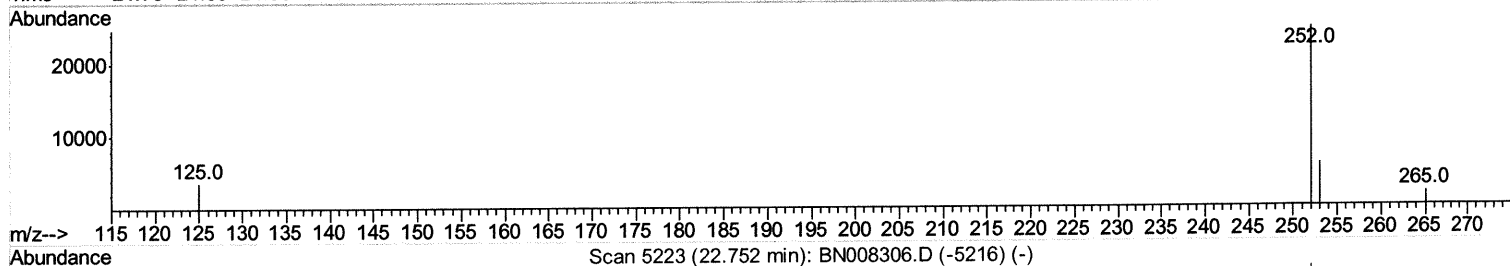
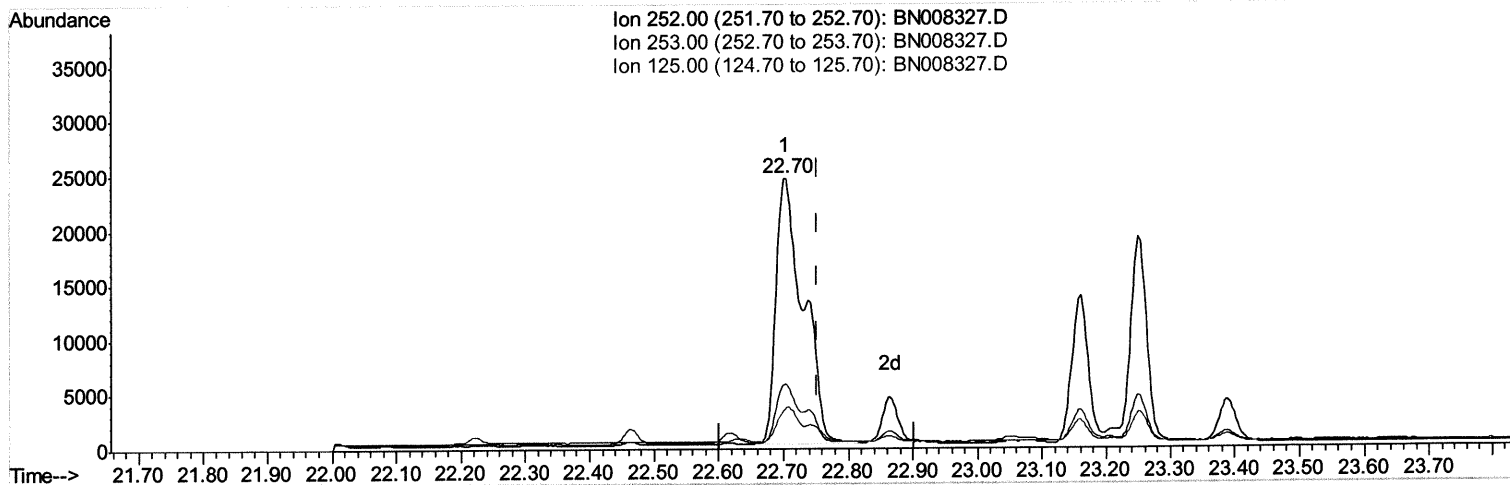
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
Data File : BN008327.D  
Acq On : 22 Oct 2019 22:33  
Operator : JU  
Sample : K5223-05  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEPD9

Manual Integrations  
APPROVED

mohammad  
10/24/2019 8:05:35 AM

Quant Time: Oct 23 02:18:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 21 23:58:15 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.703min (-0.049) 1.94ng/ul

response 71802

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.60 | 24.23 |
| 125.00 | 15.40 | 14.88 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

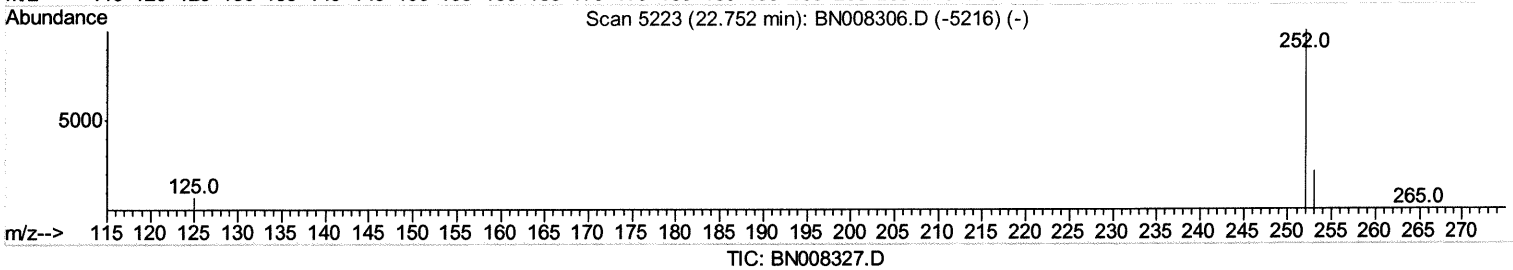
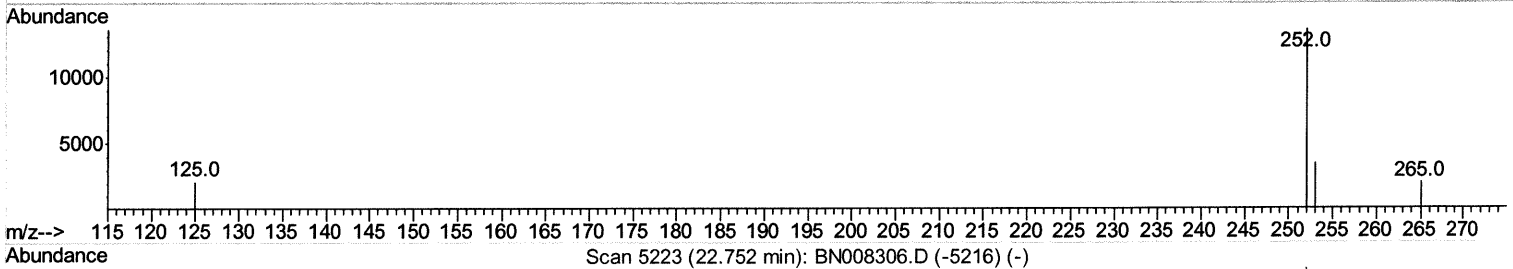
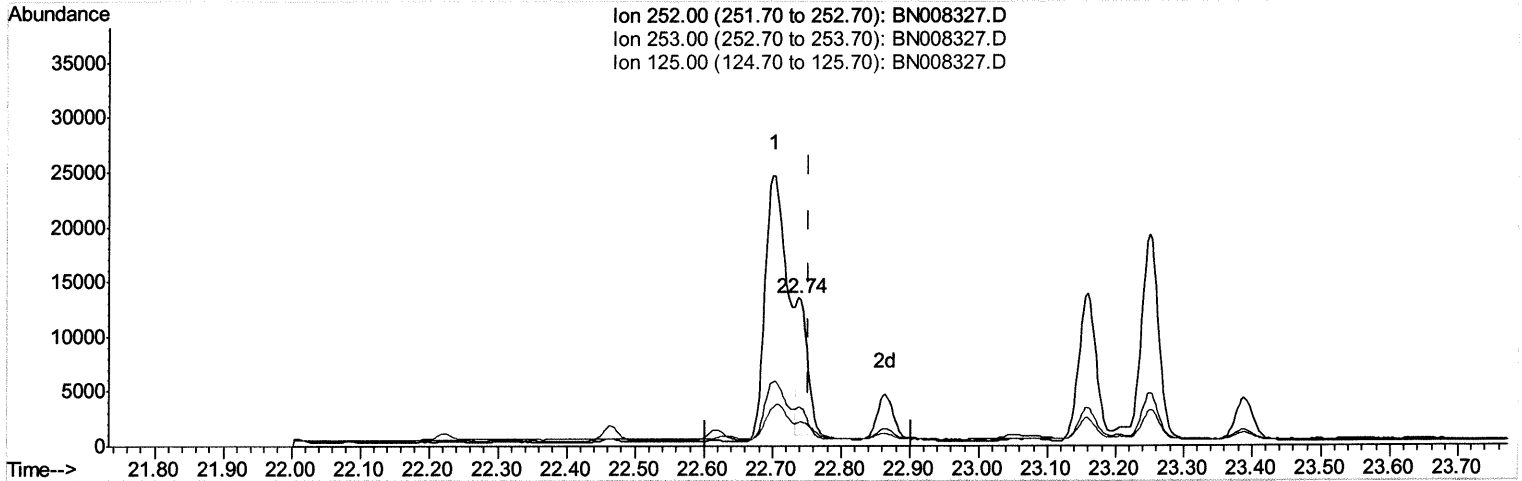
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
 Data File : BN008327.D  
 Acq On : 22 Oct 2019 22:33  
 Operator : JU  
 Sample : K5223-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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mohammad  
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Quant Time: Oct 23 02:18:28 2019  
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(22) Benzo(k)fluoranthene

22.738min (-0.014) 0.39ng/ul m *M 10.23.19*

response 14416

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.60 | 26.26 |
| 125.00 | 15.40 | 16.05 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

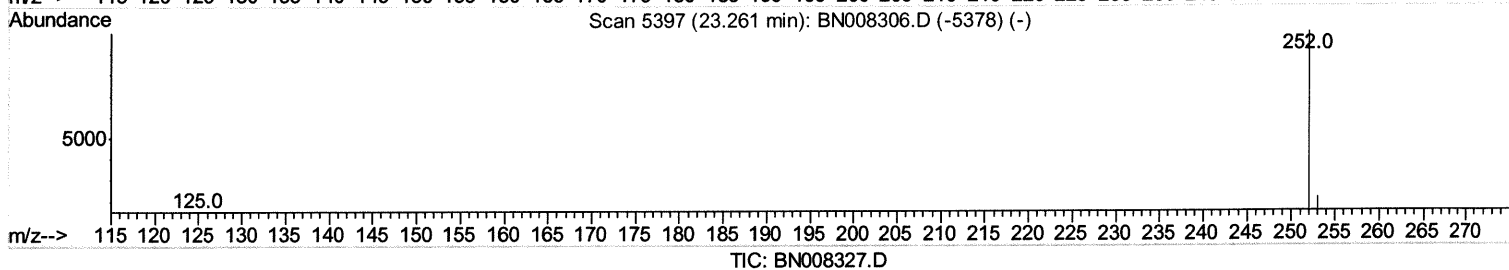
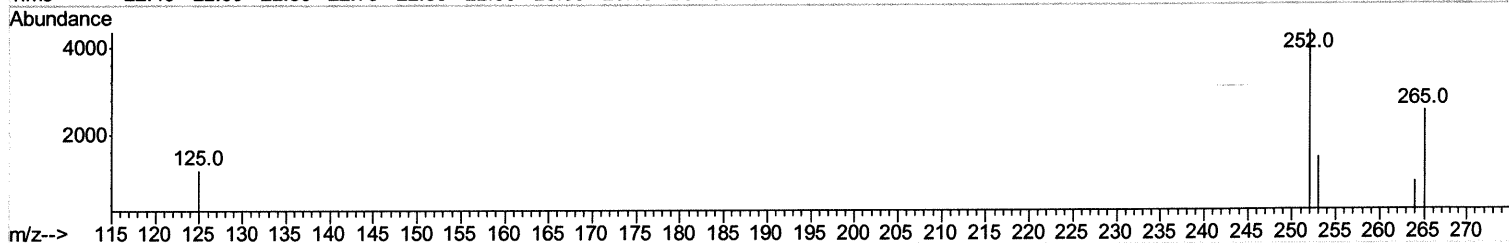
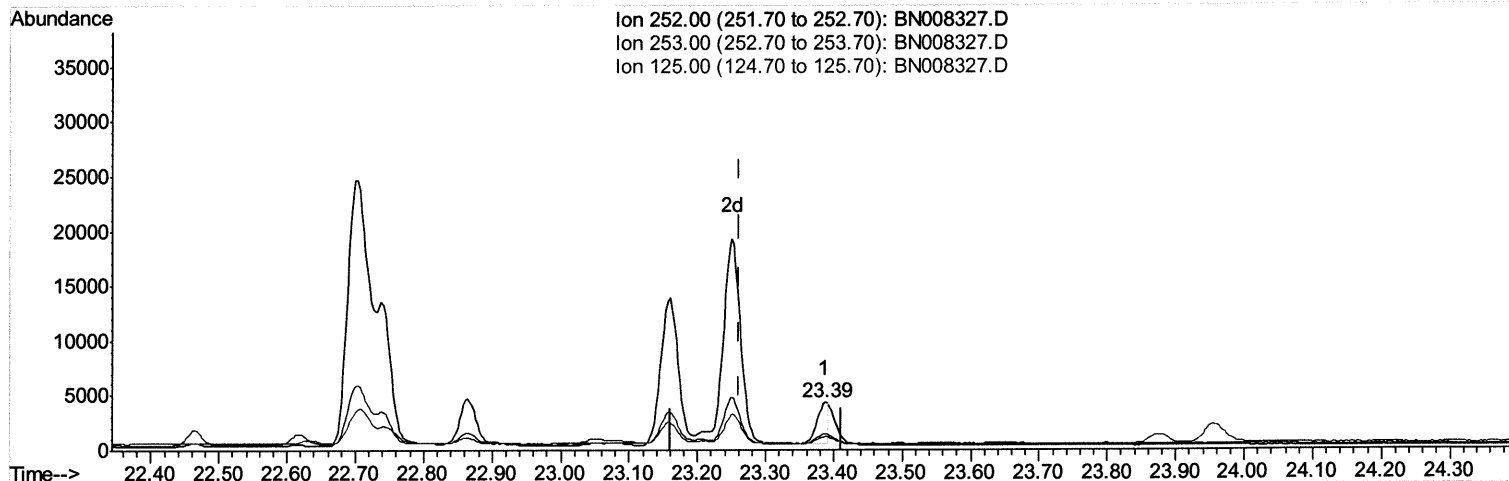
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
 Data File : BN008327.D  
 Acq On : 22 Oct 2019 22:33  
 Operator : JU  
 Sample : K5223-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.388min (+0.126) 0.12ng/ul

response 4134

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 28.50 | 33.75 |
| 125.00 | 23.00 | 27.31 |
| 0.00   | 0.00  | 0.00  |



# Quantitation Report (Qedit)

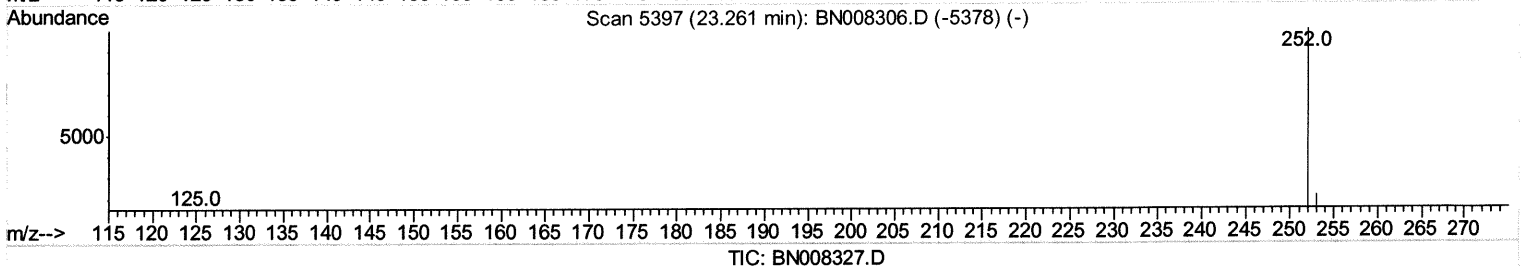
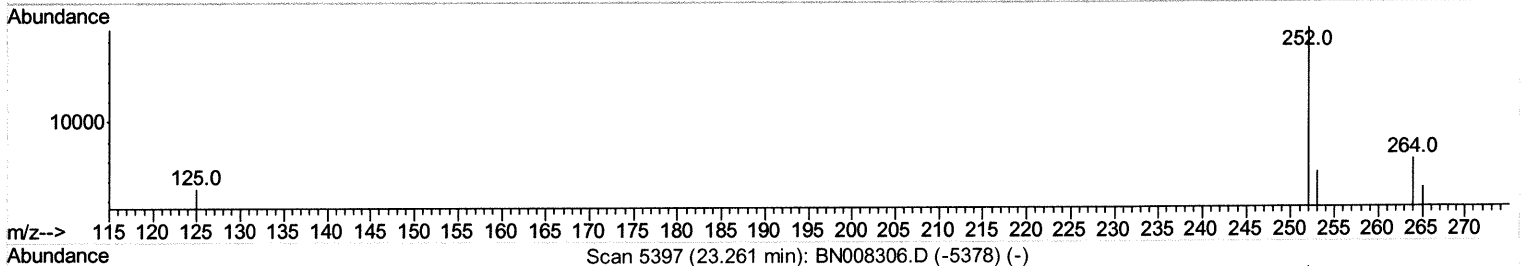
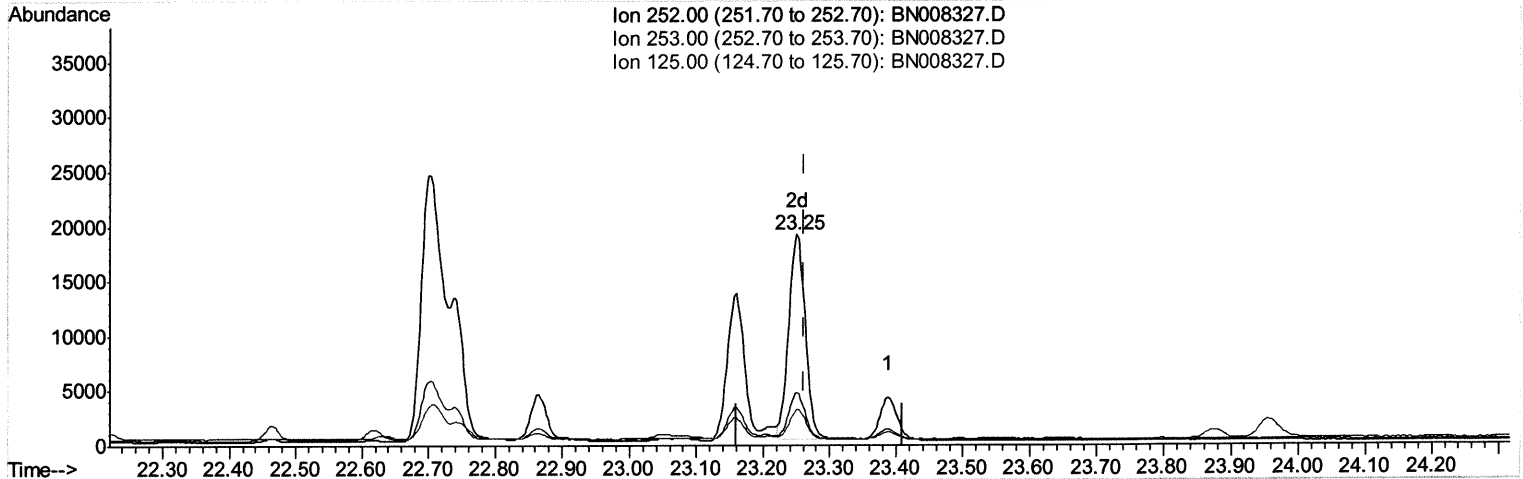
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 Data File : BN008327.D  
 Acq On : 22 Oct 2019 22:33  
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 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
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Manual Integrations  
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mohammad  
 10/24/2019 8:05:35 AM

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(23) Benzo(a)pyrene (C)

23.250min (-0.011) 0.95ng/ul m *23.19*

response 32632

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 28.50 | 24.98  |
| 125.00 | 23.00 | 16.82# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN102219\  
 Data File : BN008327.D  
 Acq On : 22 Oct 2019 22:33  
 Operator : JU  
 Sample : K5223-05  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 1671     | 0.40 | ng/ul | -0.01    |
| 2) Naphthalene-d8         | 10.35 | 136  | 8356     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.22 | 164  | 5289     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.97 | 188  | 11851m)  | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.17 | 240  | 11538    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.34 | 264  | 10043    | 0.40 | ng/ul | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.95 | 152  | 3116     | 0.22 | ng/ul | -0.01    |
| 14) Fluoranthene-d10        | 19.00 | 212  | 9194     | 0.22 | ng/ul | -0.01    |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.40 | 128  | 1087     | 0.046 | ng/ul# | 84     |
| 5) 2-Methylnaphthalene     | 12.02 | 142  | 483      | 0.030 | ng/ul  | 95     |
| 7) Acenaphthylene          | 13.94 | 152  | 2848     | 0.113 | ng/ul# | 70     |
| 8) Acenaphthene            | 14.28 | 153  | 887      | 0.045 | ng/ul  | 96     |
| 9) Fluorene                | 15.27 | 166  | 1173     | 0.053 | ng/ul# | 96     |
| 12) Phenanthrene           | 17.01 | 178  | 28296    | 0.816 | ng/ul  | 99     |
| 13) Anthracene             | 17.10 | 178  | 5549     | 0.182 | ng/ul  | 97     |
| 15) Fluoranthene           | 19.03 | 202  | 81845    | 1.786 | ng/ul  | 98     |
| 17) Pyrene                 | 19.40 | 202  | 72849    | 1.586 | ng/ul  | 97     |
| 18) Benzo(a)anthracene     | 21.16 | 228  | 40800    | 0.973 | ng/ul  | 97     |
| 19) Chrysene               | 21.21 | 228  | 45560    | 0.885 | ng/ul  | 98     |
| 21) Benzo(b)fluoranthene   | 22.70 | 252  | 55274m)  | 1.691 | ng/ul  | } 95   |
| 22) Benzo(k)fluoranthene   | 22.74 | 252  | 14416m)  | 0.389 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.25 | 252  | 32632m)  | 0.949 | ng/ul  |        |
| 24) Indeno(1,2,3-cd)pyrene | 25.49 | 276  | 20994    | 0.518 | ng/ul# | 95     |
| 25) Dibenzo(a,h)anthracene | 25.50 | 278  | 4822     | 0.151 | ng/ul# | 84     |
| 26) Benzo(a,h,i)perylene   | 26.15 | 276  | 15572    | 0.419 | ng/ul  | 98     |

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