

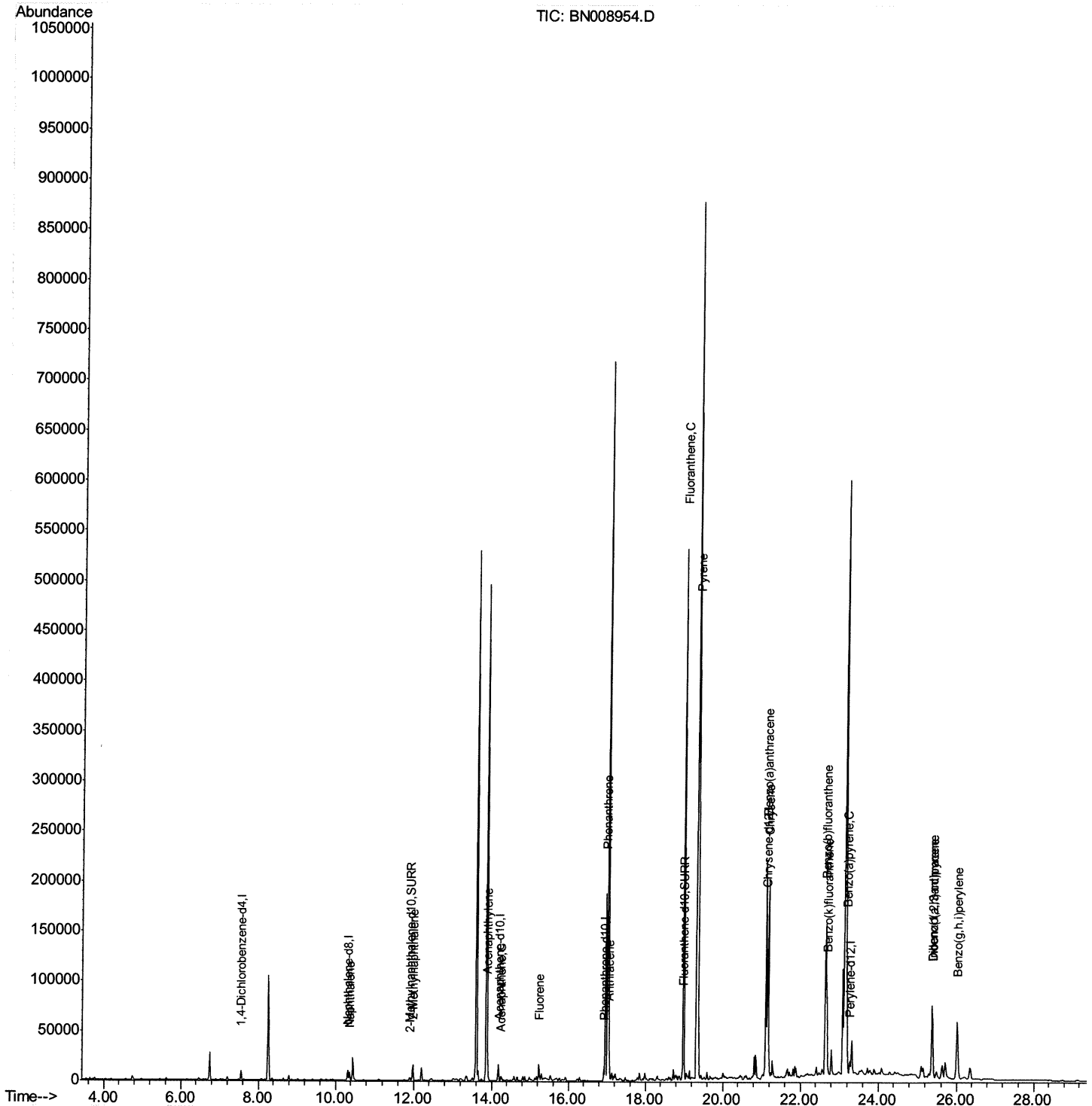
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
Data File : BN008954.D  
Acq On : 12 Dec 2019 20:14  
Operator : JU  
Sample : K6089-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BR0

Manual Integrations  
APPROVED

mohammad  
12/13/2019 9:08:01 AM

Quant Time: Dec 13 01:33:30 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 12 00:49:42 2019  
Response via : Initial Calibration



# Quantitation Report (Qedit)

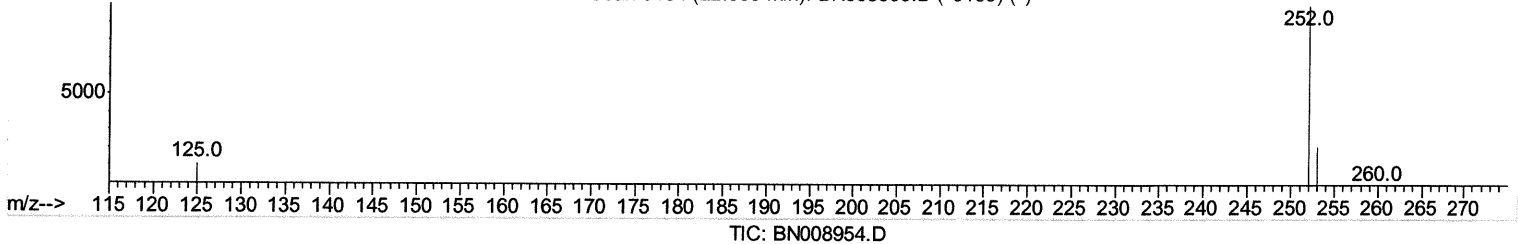
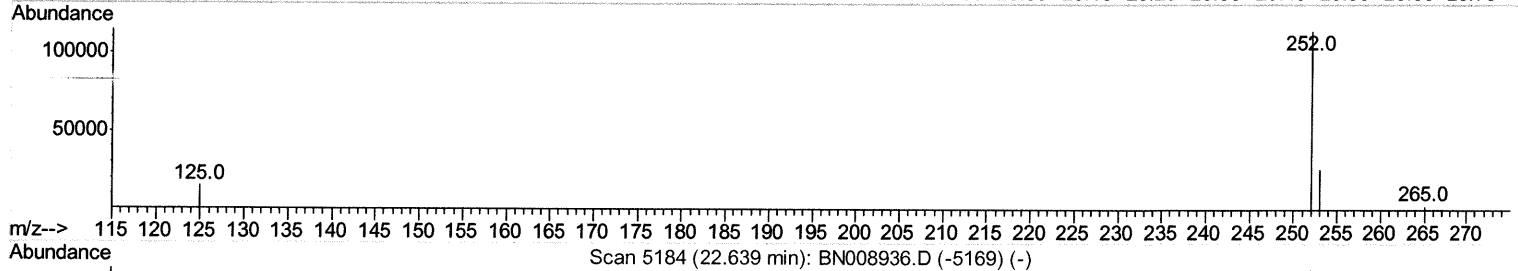
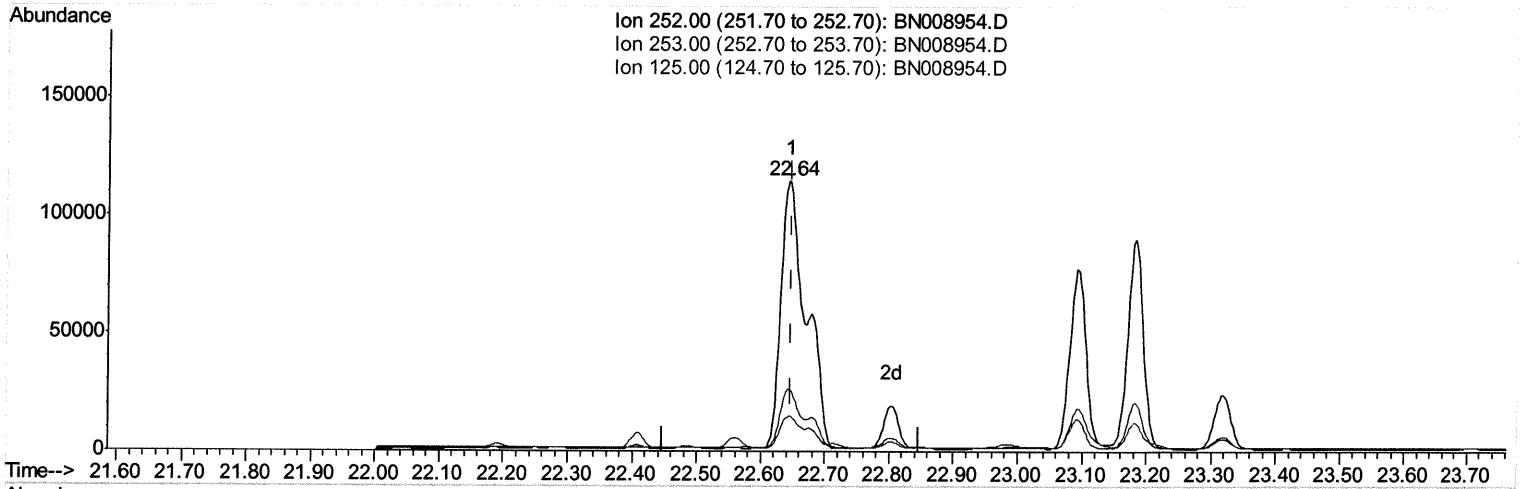
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
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Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 9:08:01 AM

Quant Time: Dec 13 00:51:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 12 00:49:42 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene  
 22.644min (-0.002) 5.42ng/ul  
 response 312357

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.30 | 22.87 |
| 125.00 | 15.80 | 12.99 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

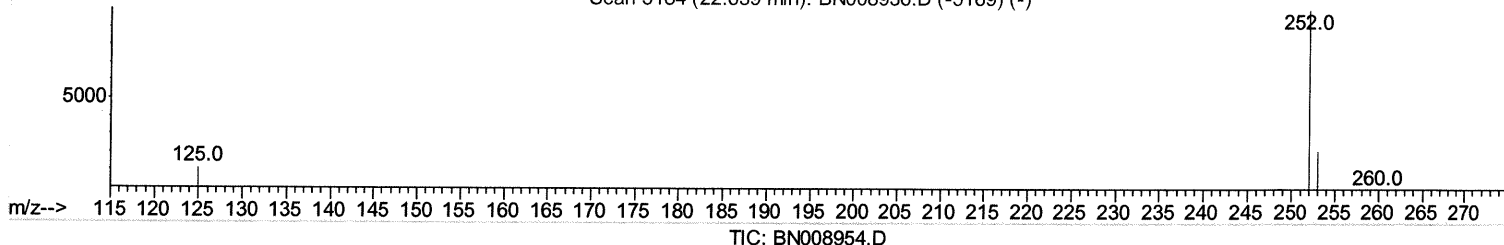
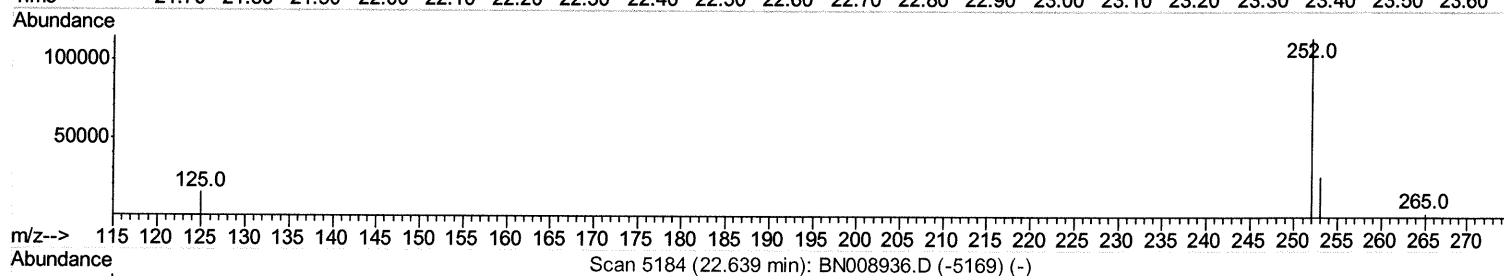
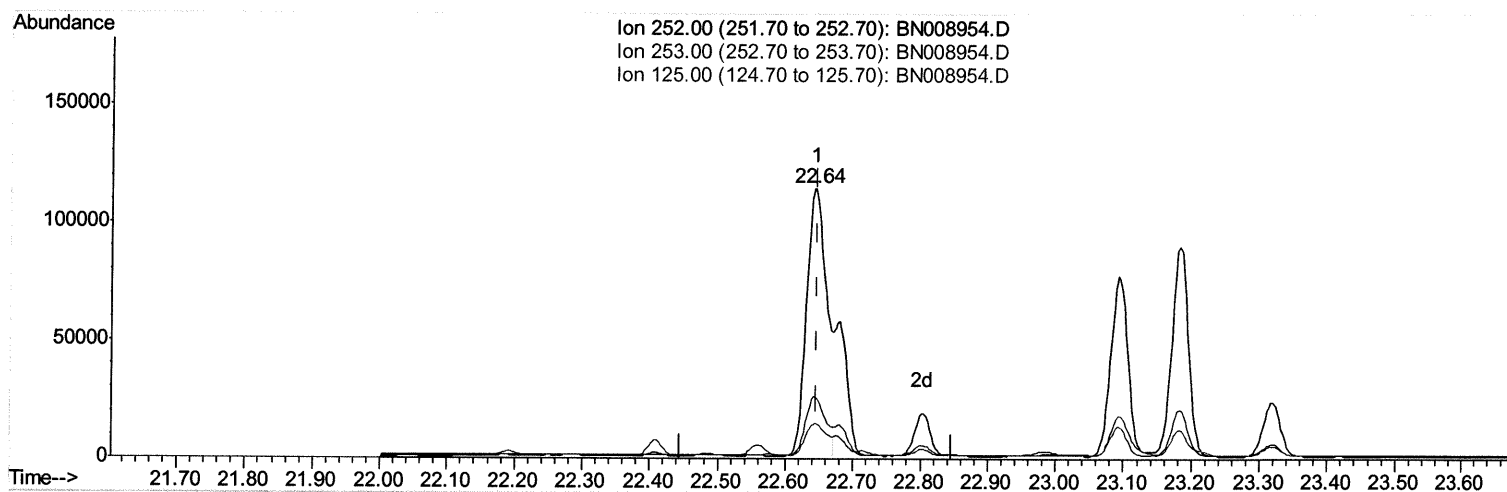
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008954.D  
 Acq On : 12 Dec 2019 20:14  
 Operator : JU  
 Sample : K6089-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BR0

Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 9:08:01 AM

Quant Time: Dec 13 00:51:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 12 00:49:42 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.644min (-0.002) 4.15ng/ul m **Ju 12/13/19**

response 239155

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.30 | 22.87 |
| 125.00 | 15.80 | 12.99 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

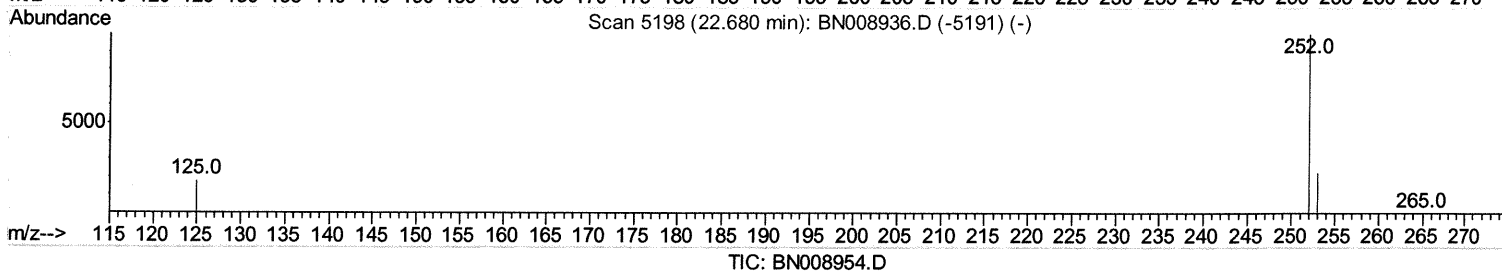
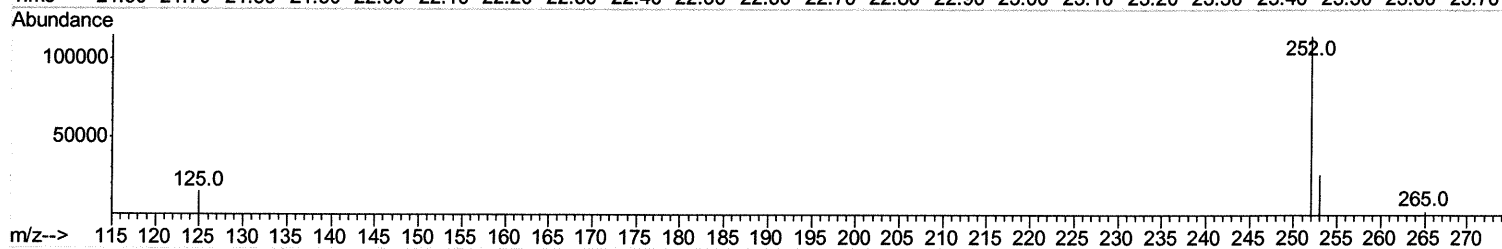
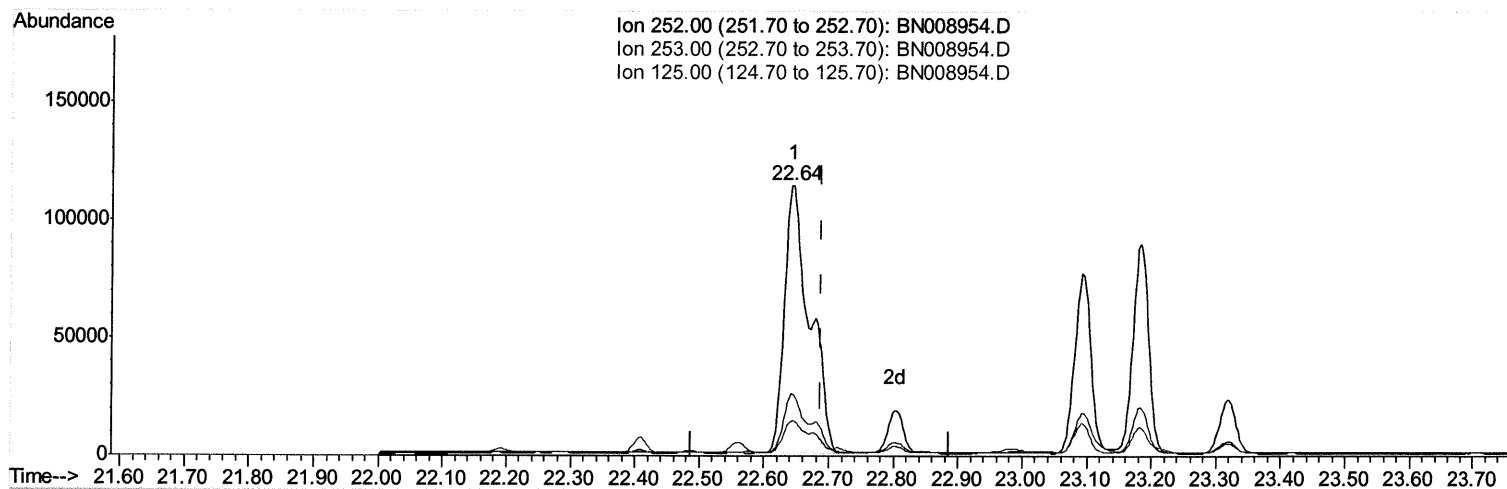
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008954.D  
 Acq On : 12 Dec 2019 20:14  
 Operator : JU  
 Sample : K6089-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BR0

Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 9:08:01 AM

Quant Time: Dec 13 00:51:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.644min (-0.043) 5.46ng/ul

response 312322

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.50 | 22.87  |
| 125.00 | 17.20 | 12.99# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

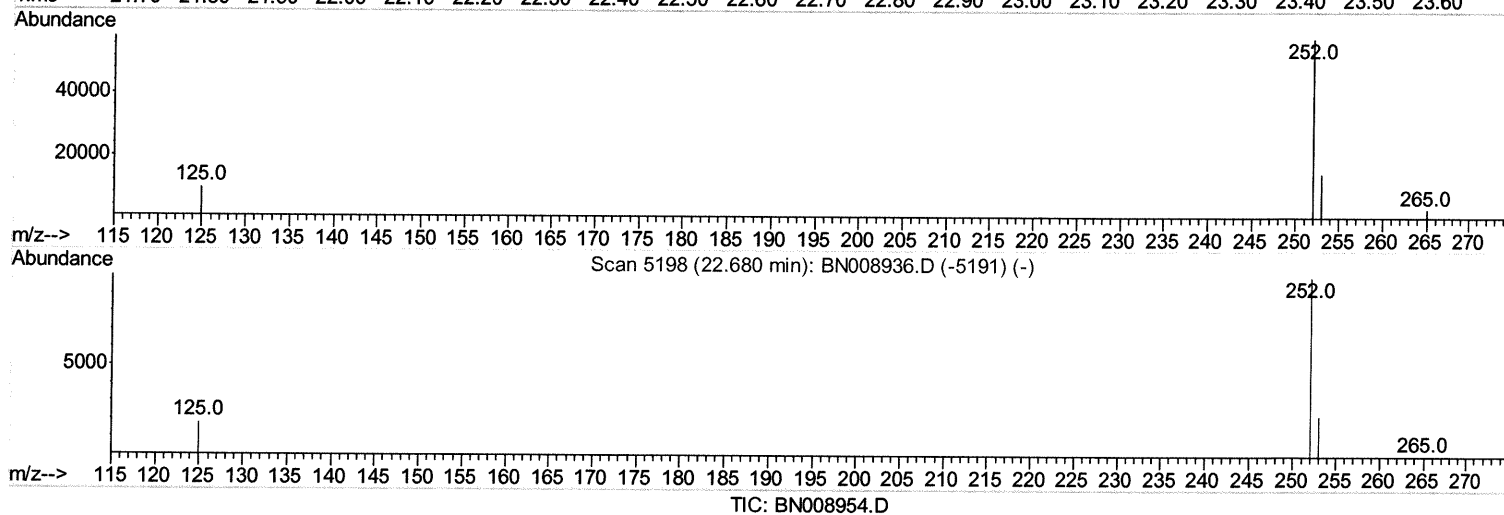
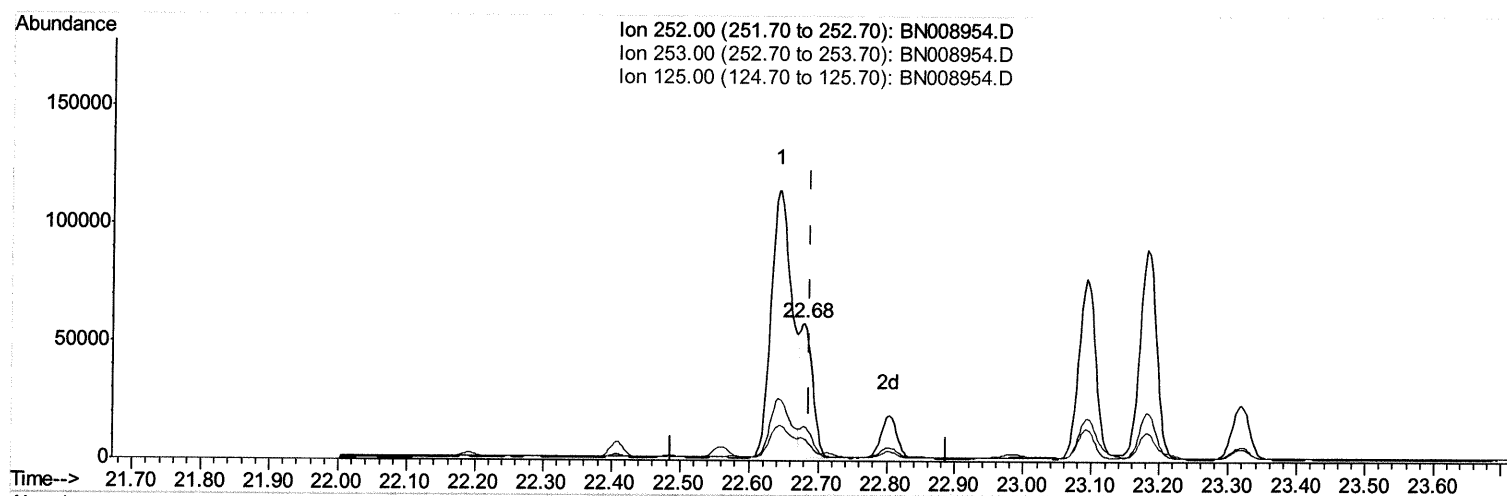
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
Data File : BN008954.D  
Acq On : 12 Dec 2019 20:14  
Operator : JU  
Sample : K6089-12  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
C0BR0

Manual Integrations  
APPROVED

mohammad  
12/13/2019 9:08:01 AM

Quant Time: Dec 13 00:51:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
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QLast Update : Thu Dec 12 00:49:42 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.679min (-0.008) 1.27ng/ul m

JU 12/13/19

response 72605

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.50 | 24.77 |
| 125.00 | 17.20 | 16.45 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

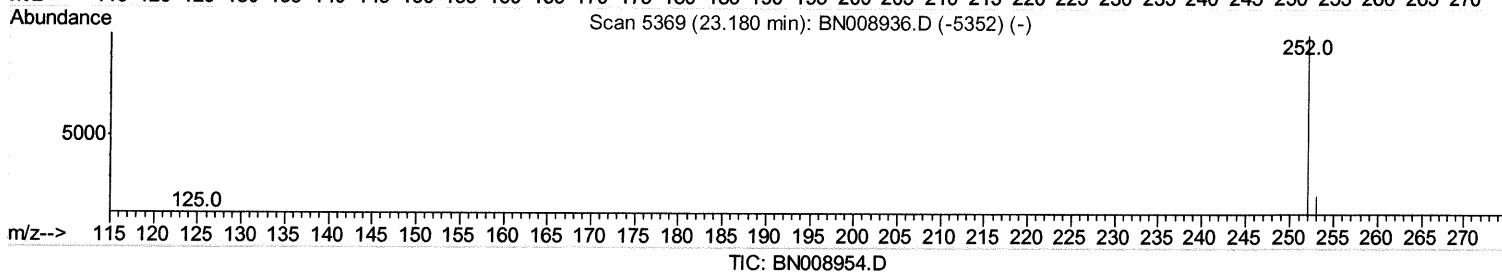
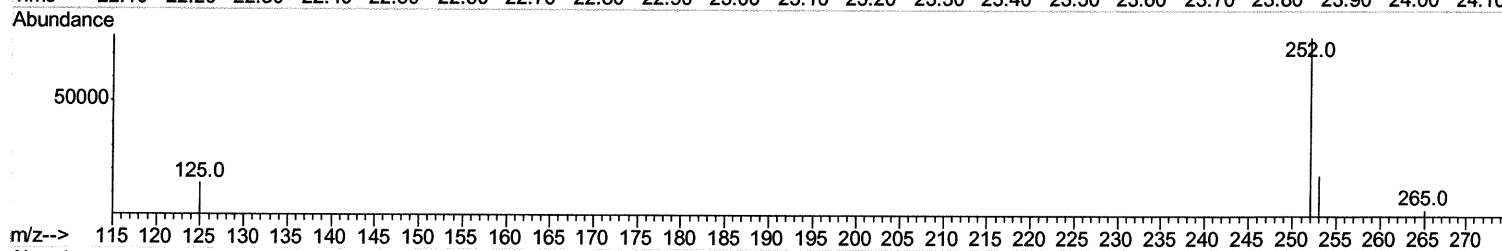
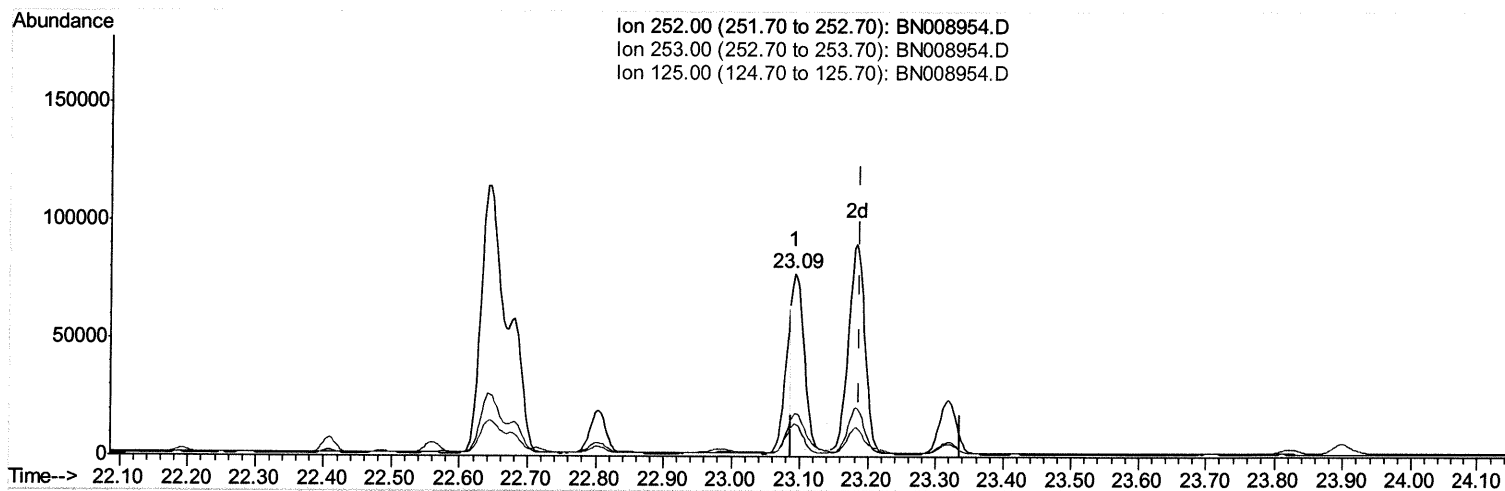
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008954.D  
 Acq On : 12 Dec 2019 20:14  
 Operator : JU  
 Sample : K6089-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BR0

Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 9:08:01 AM

Quant Time: Dec 13 00:51:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
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 QLast Update : Thu Dec 12 00:49:42 2019  
 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.092min (-0.096) 1.63ng/ul

response 88111

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.90 | 23.23 |
| 125.00 | 18.30 | 17.91 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

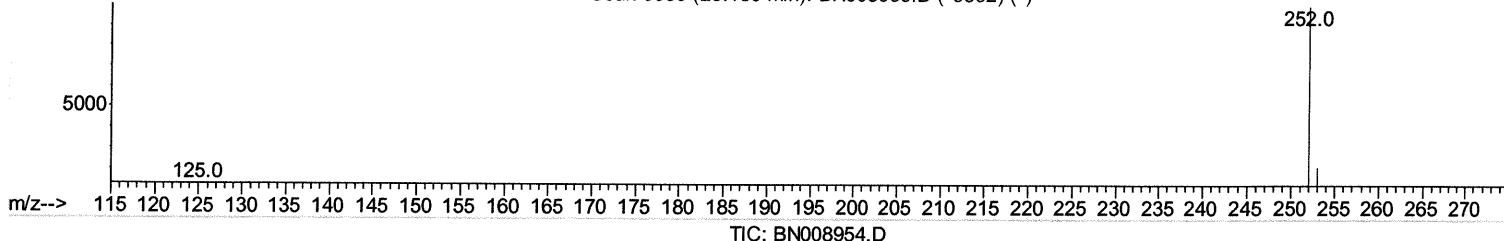
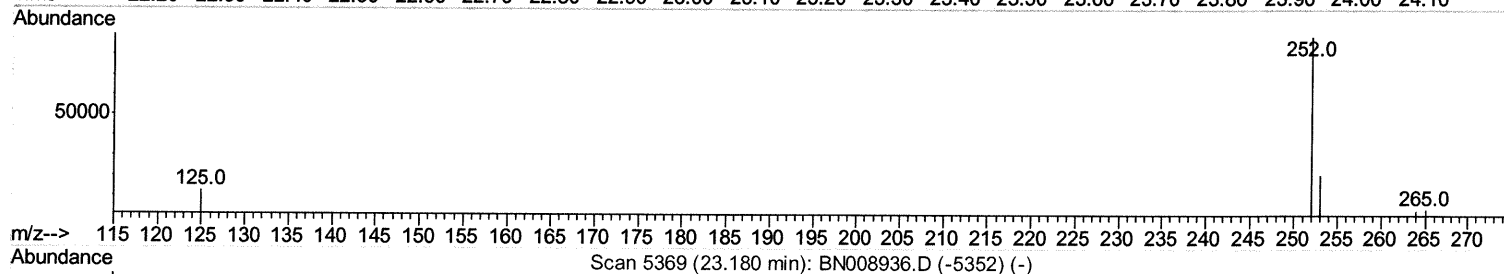
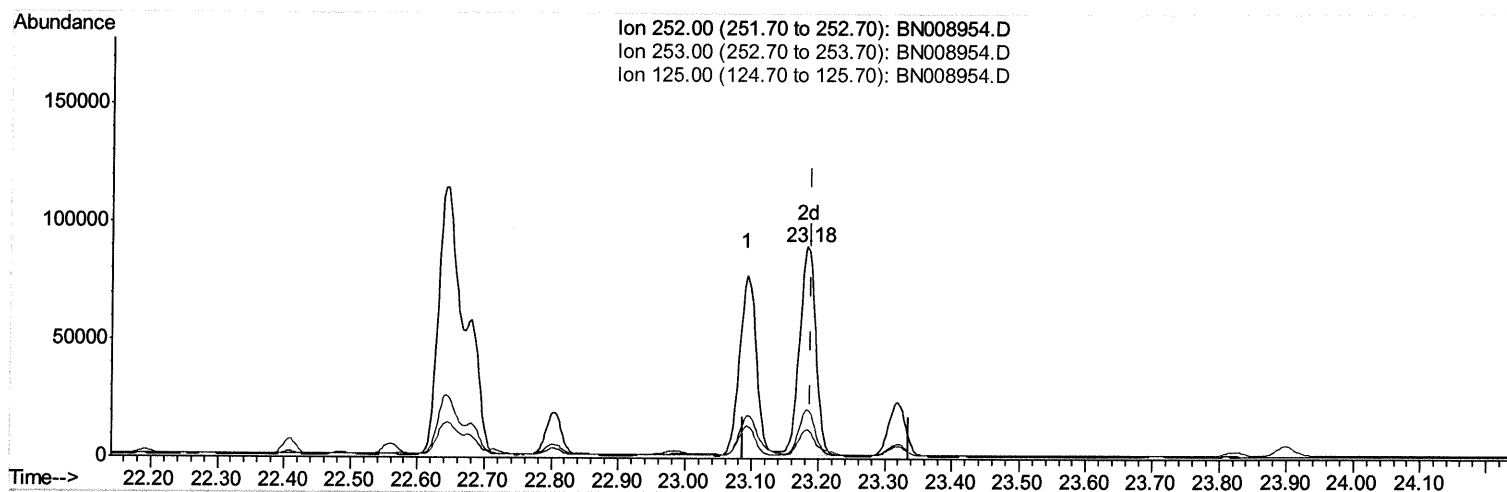
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008954.D  
 Acq On : 12 Dec 2019 20:14  
 Operator : JU  
 Sample : K6089-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BR0

Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 9:08:01 AM

Quant Time: Dec 13 00:51:14 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M  
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 Response via : Initial Calibration



(23) Benzo(a)pyrene (C)

23.182min (-0.005) 2.80ng/ul m *JU 12/13/19*

response 151387

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.90 | 23.20  |
| 125.00 | 18.30 | 13.65# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\  
 Data File : BN008954.D  
 Acq On : 12 Dec 2019 20:14  
 Operator : JU  
 Sample : K6089-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0BR0

Manual Integrations  
 APPROVED

mohammad  
 12/13/2019 9:08:01 AM

Quant Time: Dec 13 01:33:30 2019  
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| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min)      |
|-----------------------------|-------|------|----------|-------|--------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.56  | 152  | 2721     | 0.40  | ng/ul  | 0.00          |
| 2) Naphthalene-d8           | 10.31 | 136  | 12127    | 0.40  | ng/ul  | 0.00          |
| 6) Acenaphthene-d10         | 14.18 | 164  | 7860     | 0.40  | ng/ul  | 0.00          |
| 10) Phenanthrene-d10        | 16.93 | 188  | 17615    | 0.40  | ng/ul  | 0.00          |
| 16) Chrysene-d12            | 21.13 | 240  | 14456    | 0.40  | ng/ul  | 0.00          |
| 20) Perylene-d12            | 23.27 | 264  | 13981    | 0.40  | ng/ul  | 0.00          |
| System Monitoring Compounds |       |      |          |       |        |               |
| 4) 2-Methylnaphthalene-d10  | 11.91 | 152  | 3771     | 0.19  | ng/ul  | 0.00          |
| 14) Fluoranthene-d10        | 18.96 | 212  | 11335    | 0.21  | ng/ul  | 0.00          |
| Target Compounds            |       |      |          |       |        |               |
|                             |       |      |          |       | Ovalue |               |
| 3) Naphthalene              | 10.36 | 128  | 10810    | 0.296 | ng/ul  | 98            |
| 5) 2-Methylnaphthalene      | 11.98 | 142  | 10820    | 0.424 | ng/ul  | 99            |
| 7) Acenaphthylene           | 13.90 | 152  | 18972    | 0.437 | ng/ul  | 98            |
| 8) Acenaphthene             | 14.25 | 153  | 2724     | 0.084 | ng/ul  | 96            |
| 9) Fluorene                 | 15.24 | 166  | 8253     | 0.218 | ng/ul# | 92            |
| 12) Phenanthrene            | 16.97 | 178  | 195955   | 3.299 | ng/ul  | 99            |
| 13) Anthracene              | 17.06 | 178  | 30324    | 0.540 | ng/ul  | 99            |
| 15) Fluoranthene            | 18.99 | 202  | 424383   | 5.815 | ng/ul  | 100           |
| 17) Pyrene                  | 19.36 | 202  | 348089   | 6.002 | ng/ul  | 97            |
| 18) Benzo(a)anthracene      | 21.11 | 228  | 179722   | 3.091 | ng/ul  | 96            |
| 19) Chrysene                | 21.17 | 228  | 199668   | 3.497 | ng/ul  | 97            |
| 21) Benzo(b)fluoranthene    | 22.64 | 252  | 239155m  | 4.148 | ng/ul  | } Ju 12/13/19 |
| 22) Benzo(k)fluoranthene    | 22.68 | 252  | 72605m   | 1.270 | ng/ul  |               |
| 23) Benzo(a)pyrene          | 23.18 | 252  | 151387m  | 2.798 | ng/ul  |               |
| 24) Indeno(1,2,3-cd)pyrene  | 25.38 | 276  | 99649    | 1.575 | ng/ul# | 90            |
| 25) Dibenzo(a,h)anthracene  | 25.38 | 278  | 29605    | 0.579 | ng/ul# | 90            |
| 26) Benzo(a,h,i)perylene    | 26.02 | 276  | 106122   | 2.005 | ng/ul  | 97            |

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