

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121319\  
Quantitation Report (QT Reviewed)

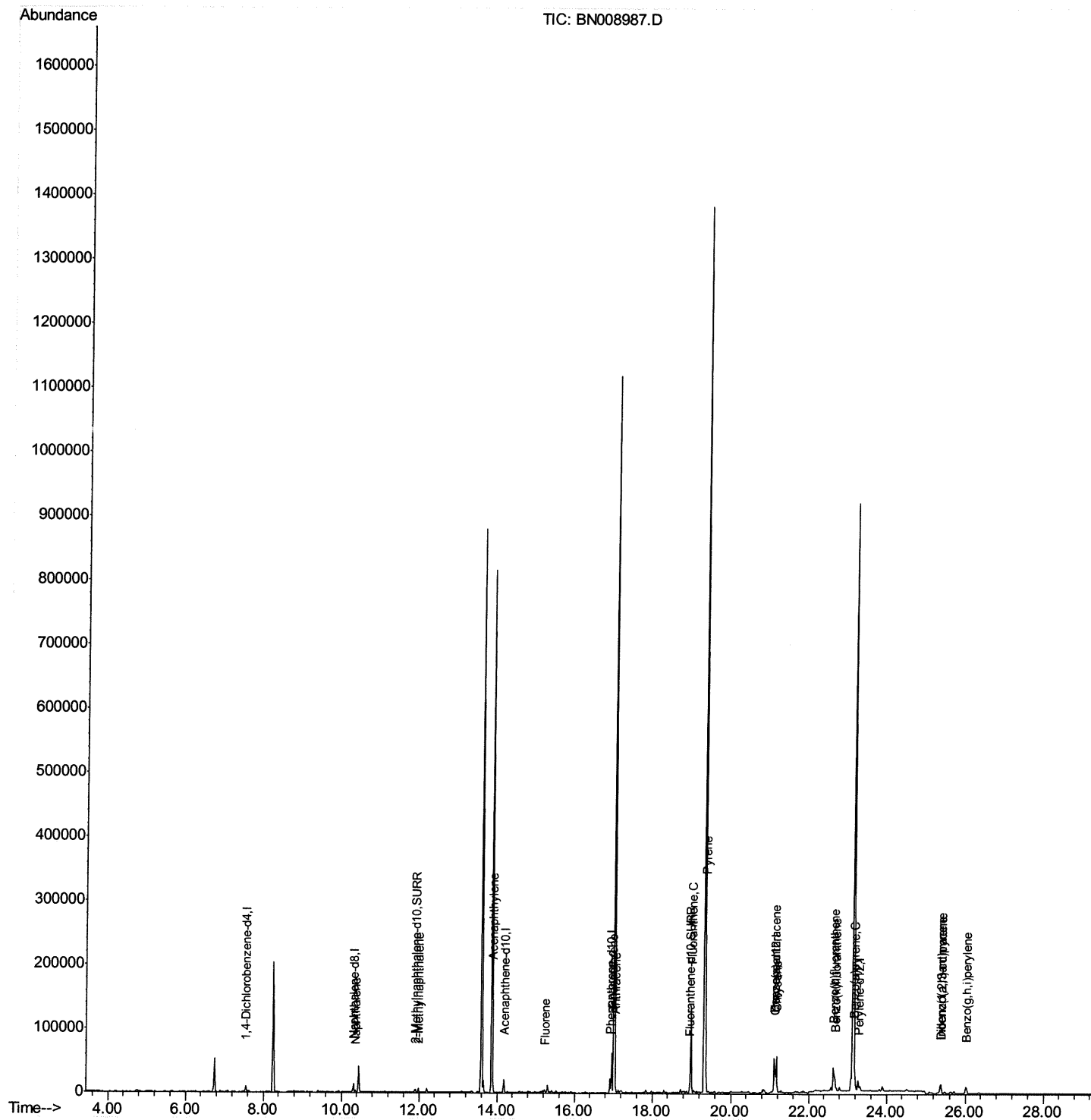
Data File : BN008987.D  
Acq On : 14 Dec 2019 03:22  
Operator : JU  
Sample : K4649-06  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
A5169

Manual Integrations  
APPROVED

mohammad  
12/16/2019 12:24:24 PM

Quant Time: Dec 16 01:07:33 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 : Mon Dec 16 00:48:46 2019  
Response via : Initial Calibration



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121319\  
Quantitation Report (Qedit)

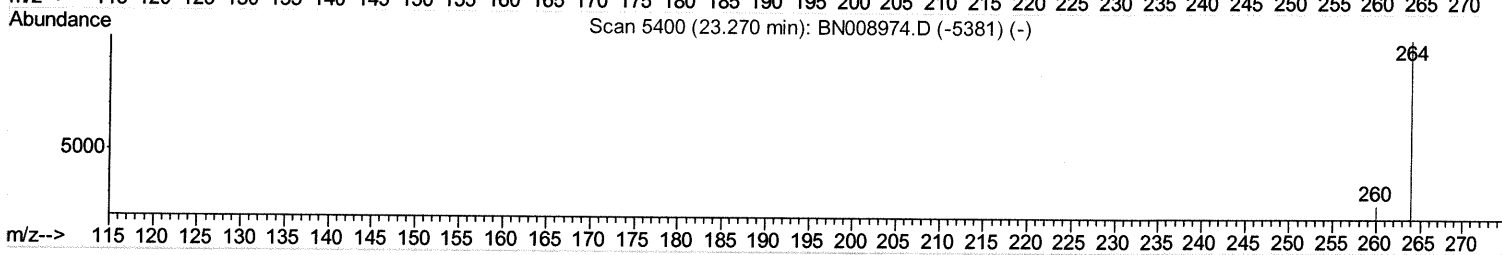
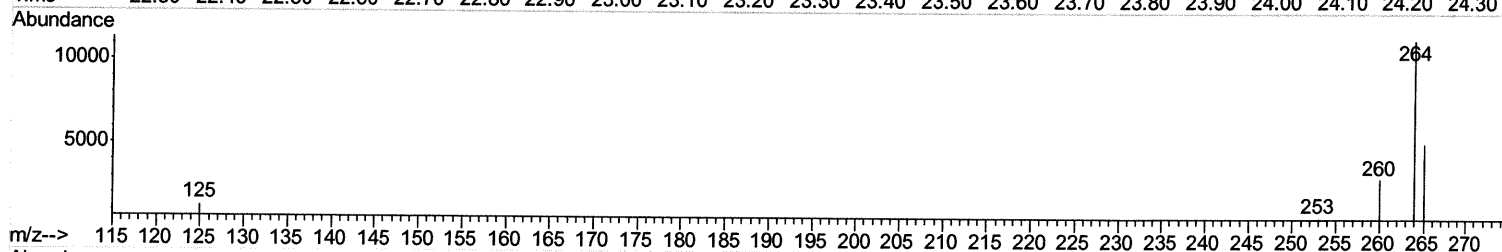
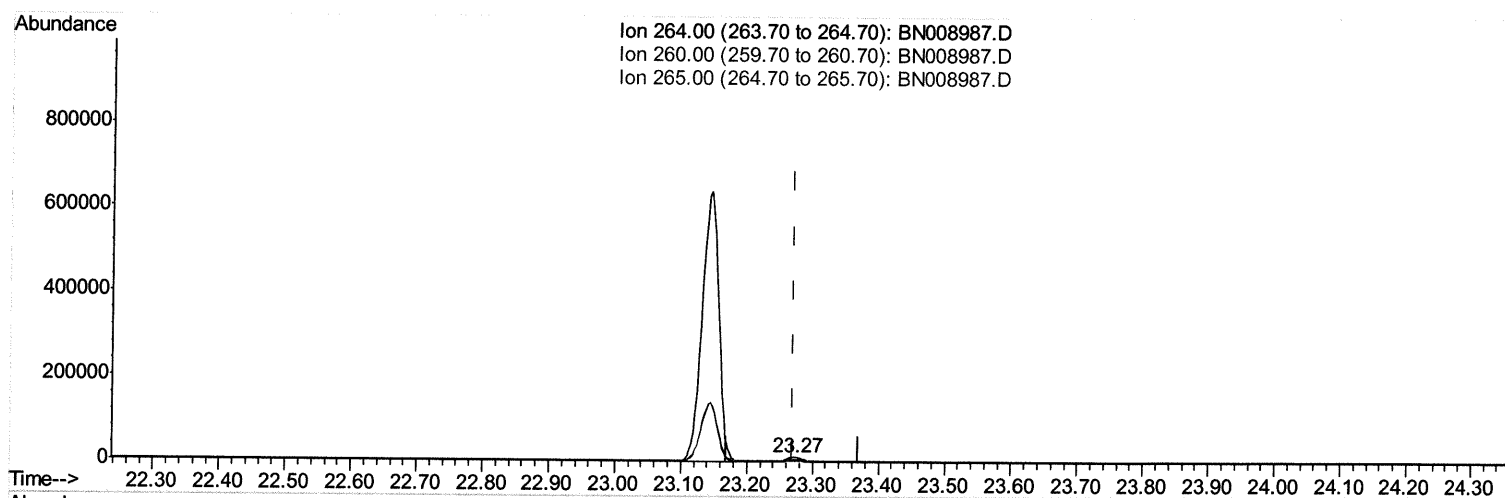
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Quant Time: Dec 16 00:51:26 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-SIM-BN111519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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TIC: BN008987.D

(20) Perylene-d12 (I)

23.273min (+0.003) 0.40ng/ul

response 19870

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 26.80 | 26.73  |
| 265.00 | 59.90 | 45.89# |
| 0.00   | 0.00  | 0.00   |

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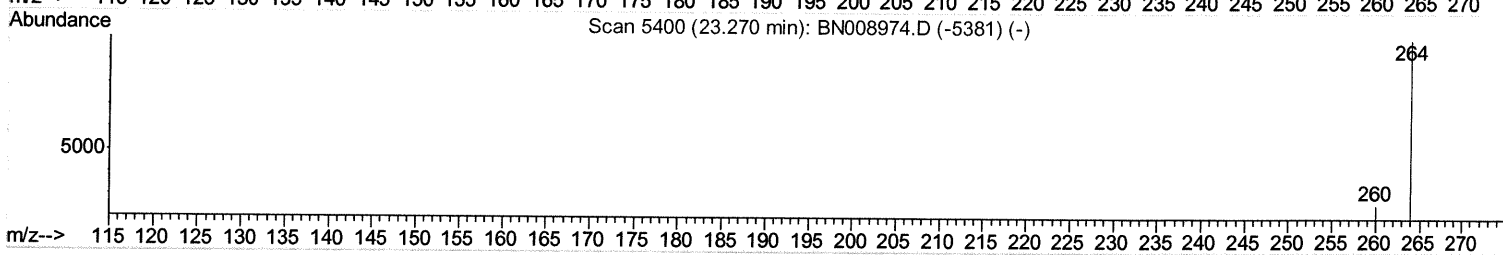
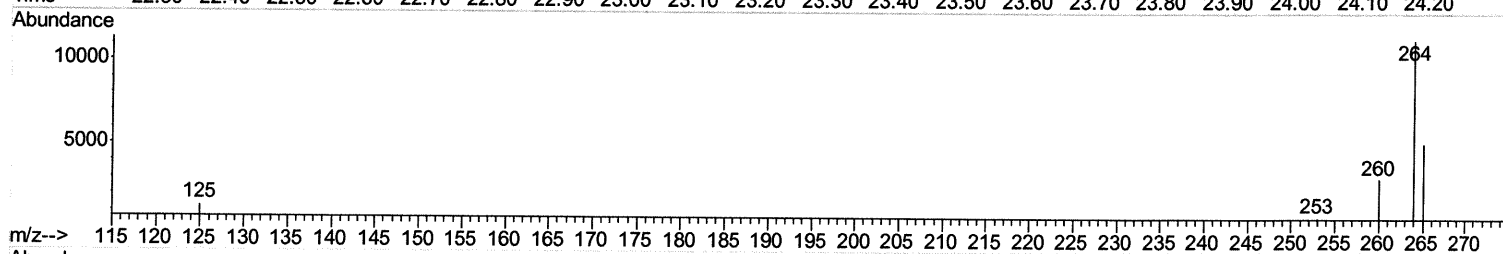
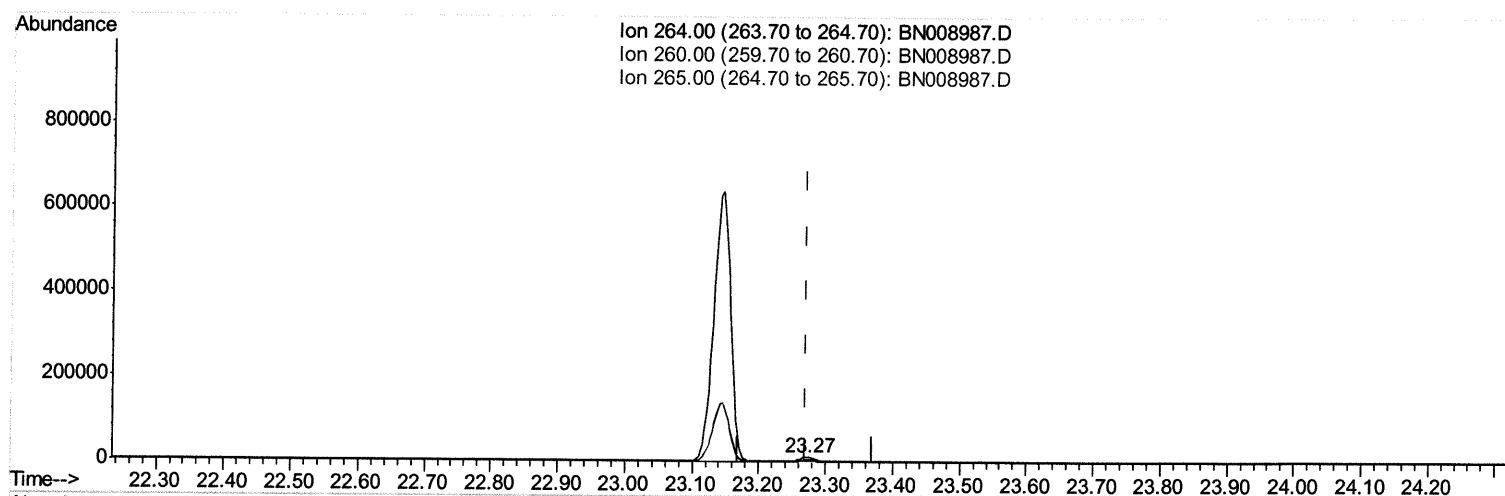
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Operator : JU  
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TIC: BN008987.D

(20) Perylene-d12 (I)

23.273min (+0.003) 0.40ng/ul m JU 12/16/19

response 18578

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 264.00 | 100   | 100    |
| 260.00 | 26.80 | 26.73  |
| 265.00 | 59.90 | 45.89# |
| 0.00   | 0.00  | 0.00   |

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Quantitation Report (Qedit)

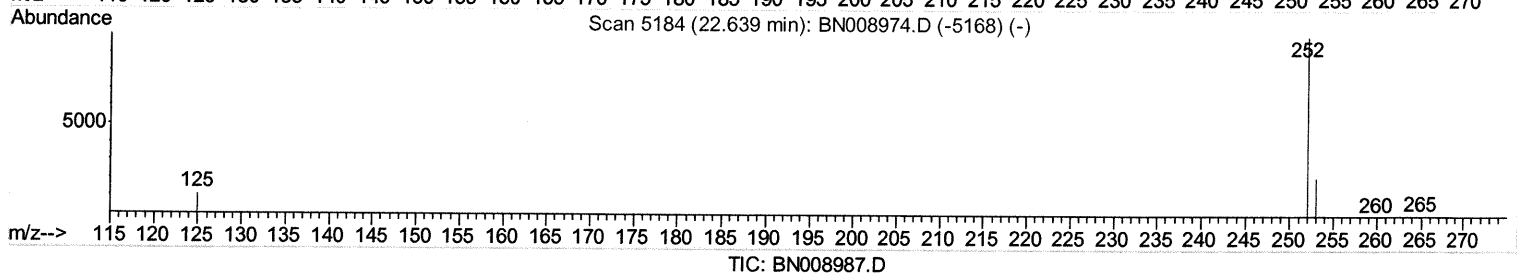
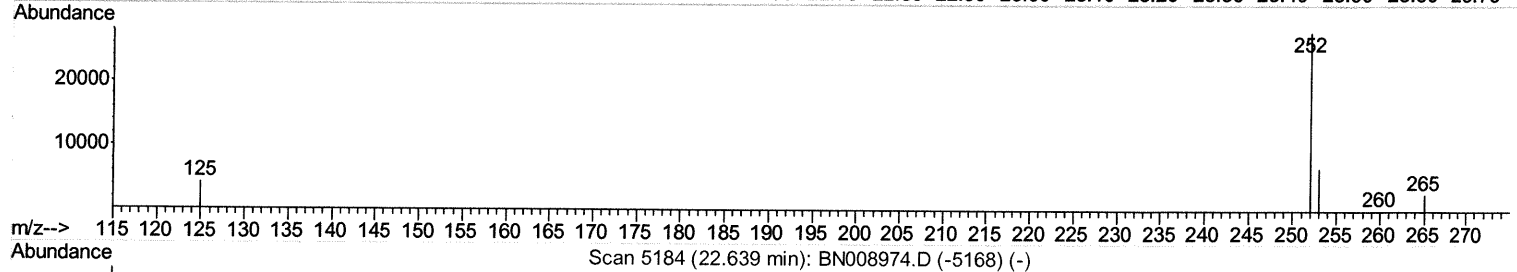
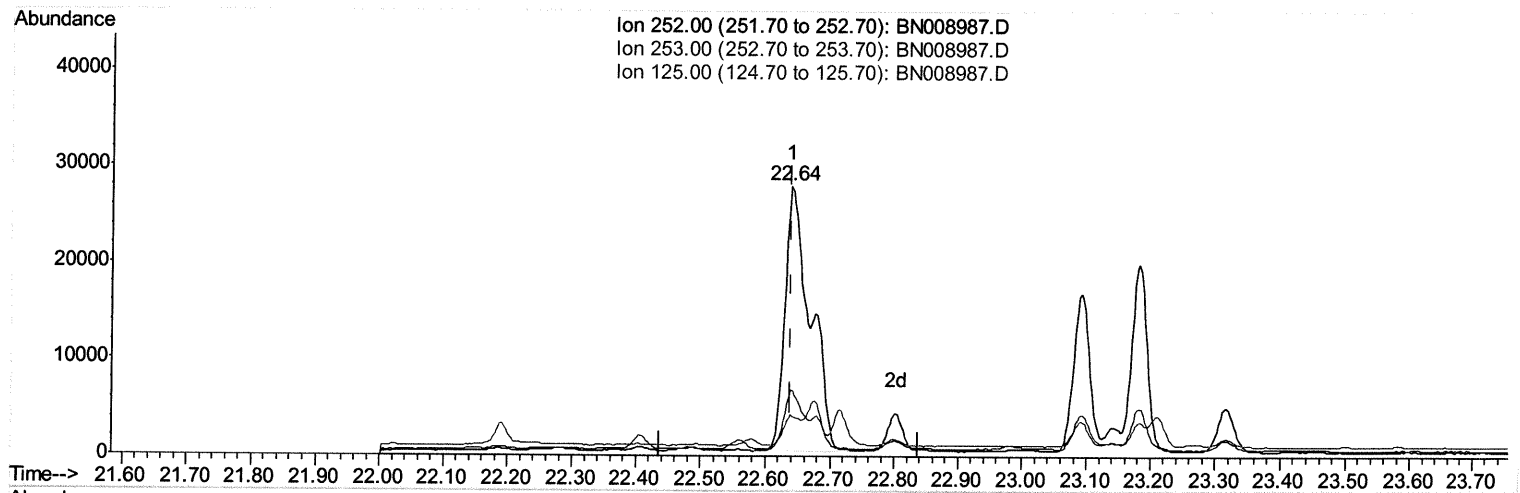
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Manual Integrations  
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Quant Time: Dec 16 01:06:45 2019  
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(21) Benzo(b)fluoranthene

22.639min (+0.000) 0.99ng/ui

response 75632

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.30 | 24.36 |
| 125.00 | 15.80 | 15.31 |
| 0.00   | 0.00  | 0.00  |

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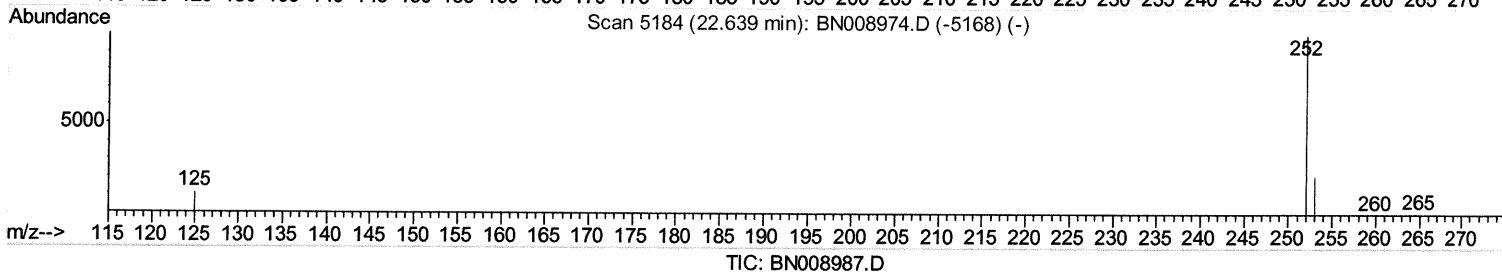
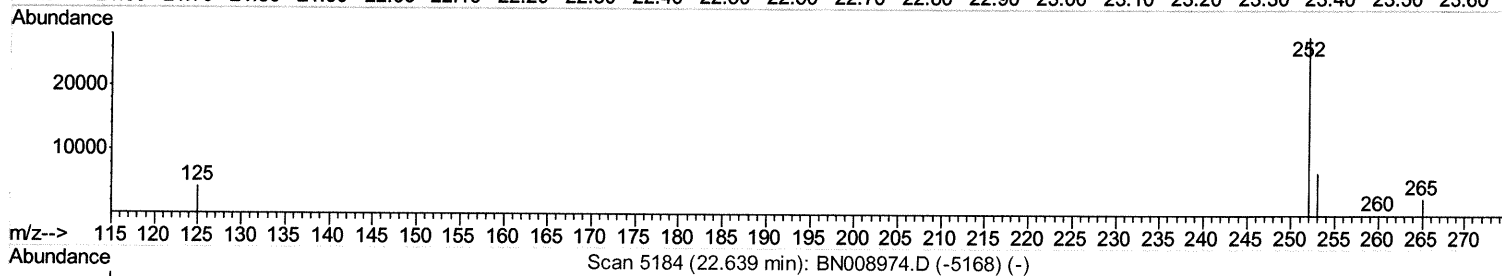
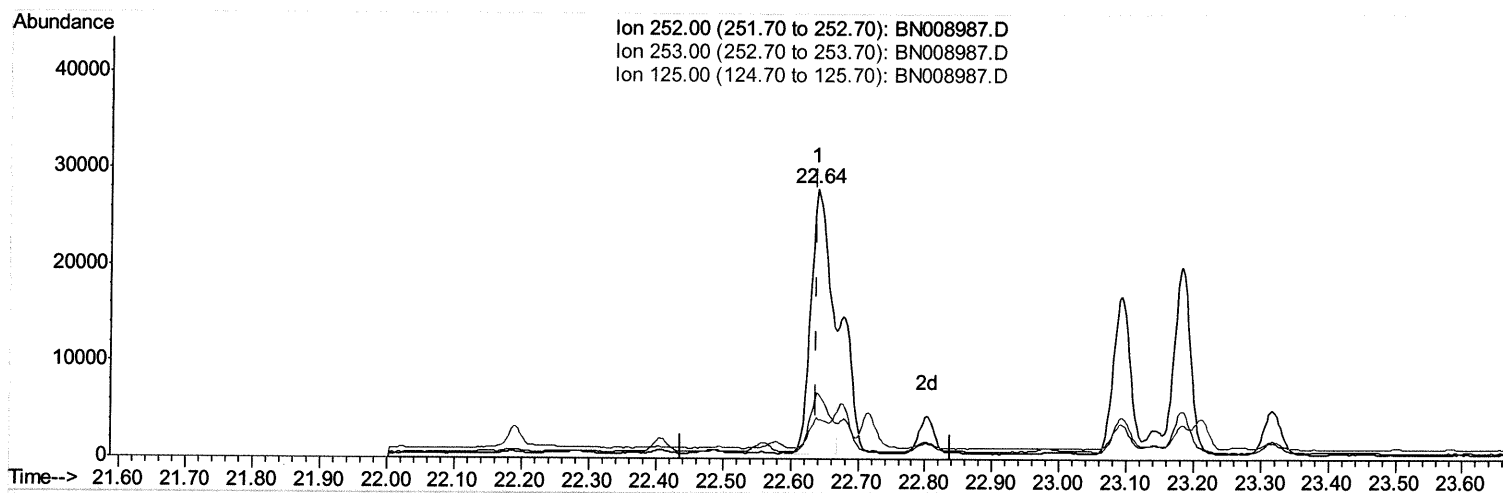
Data File : BN008987.D  
Acq On : 14 Dec 2019 03:22  
Operator : JU  
Sample : K4649-06  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Manual Integrations  
APPROVED

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 00:48:46 2019  
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(21) Benzo(b)fluoranthene

22.639min (+0.000) 0.73ng/ul m JU 12/16/19

response 56301

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.30 | 24.36 |
| 125.00 | 15.80 | 15.31 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121319\  
Quantitation Report (Qedit)

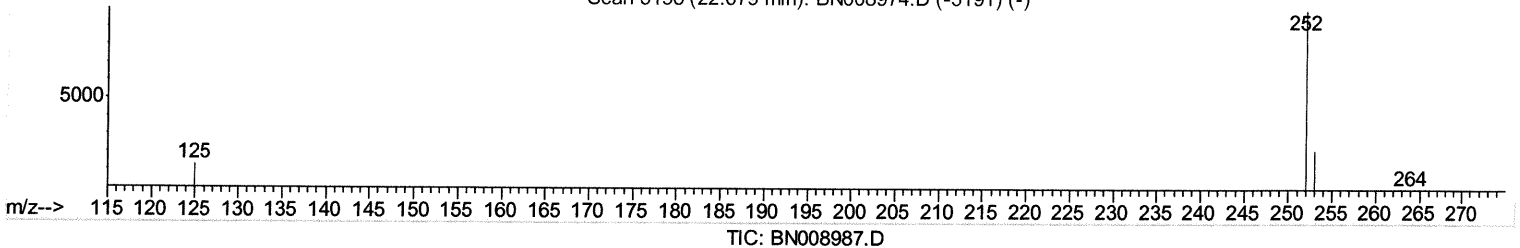
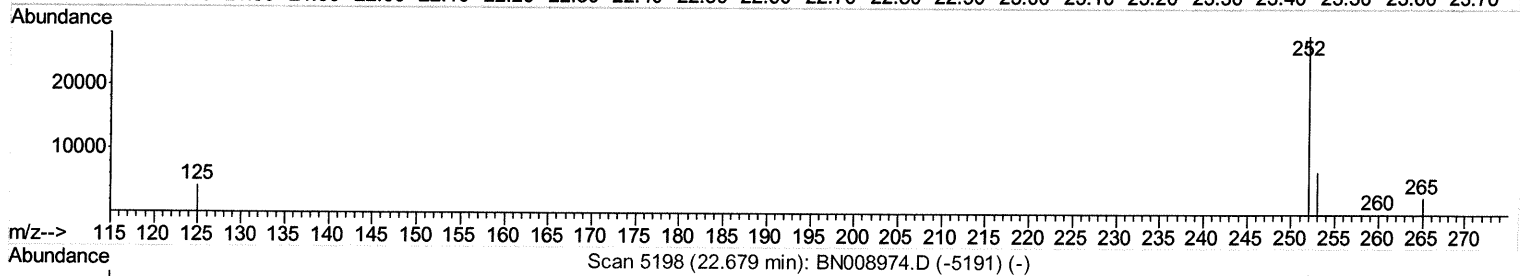
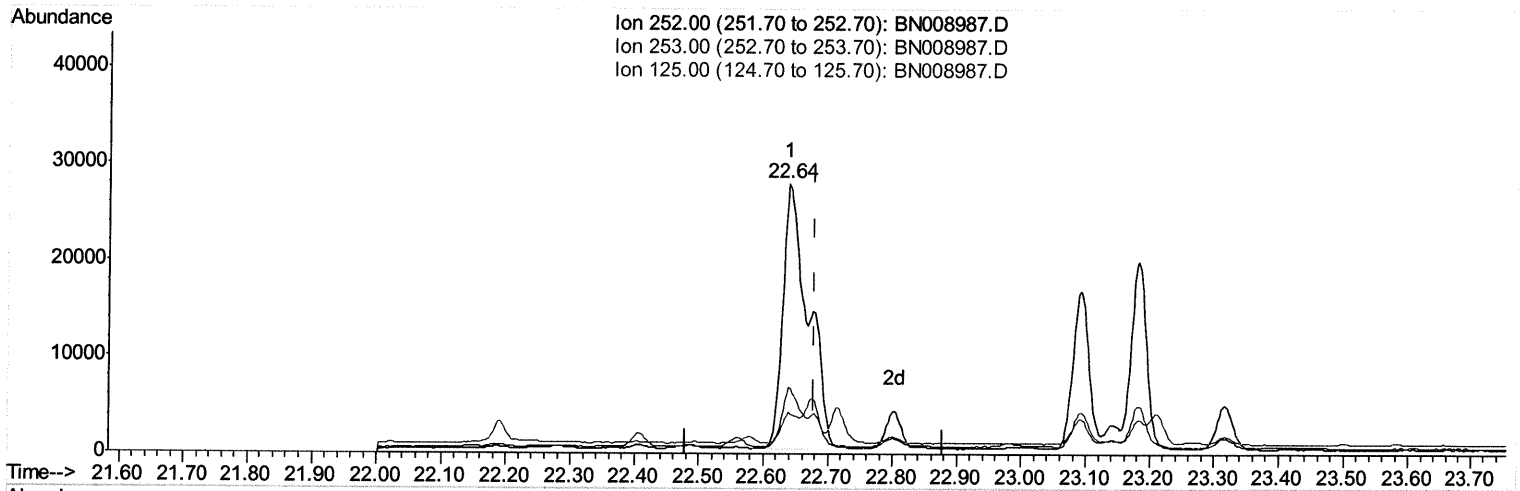
Data File : BN008987.D  
Acq On : 14 Dec 2019 03:22  
Operator : JU  
Sample : K4649-06  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
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Manual Integrations  
APPROVED

mohammad  
12/16/2019 12:24:24 PM

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(22) Benzo(k)fluoranthene  
22.639min (-0.041) 1.00ng/ul  
response 75632

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 24.50 | 24.36 |
| 125.00 | 17.20 | 15.31 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN121319\  
Quantitation Report (Qedit)

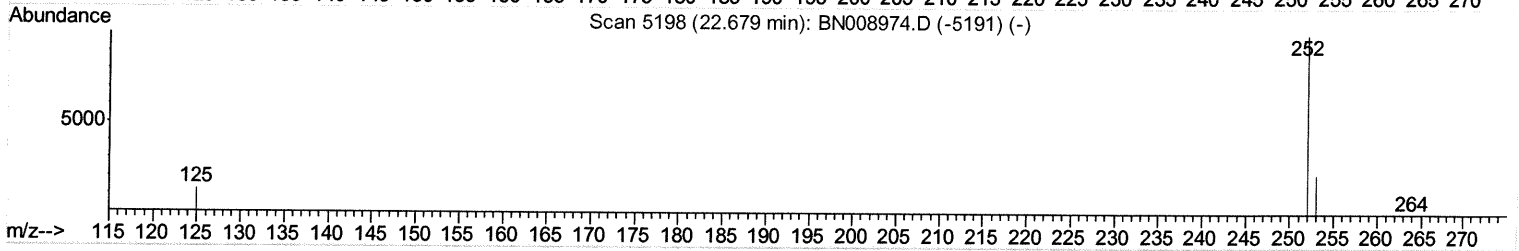
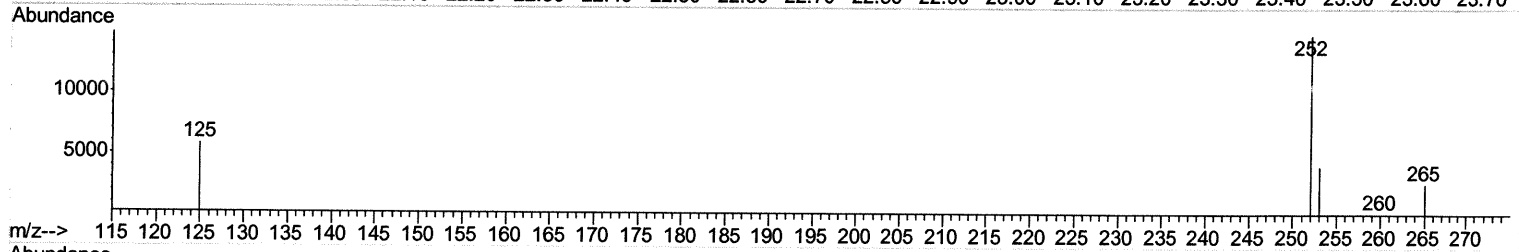
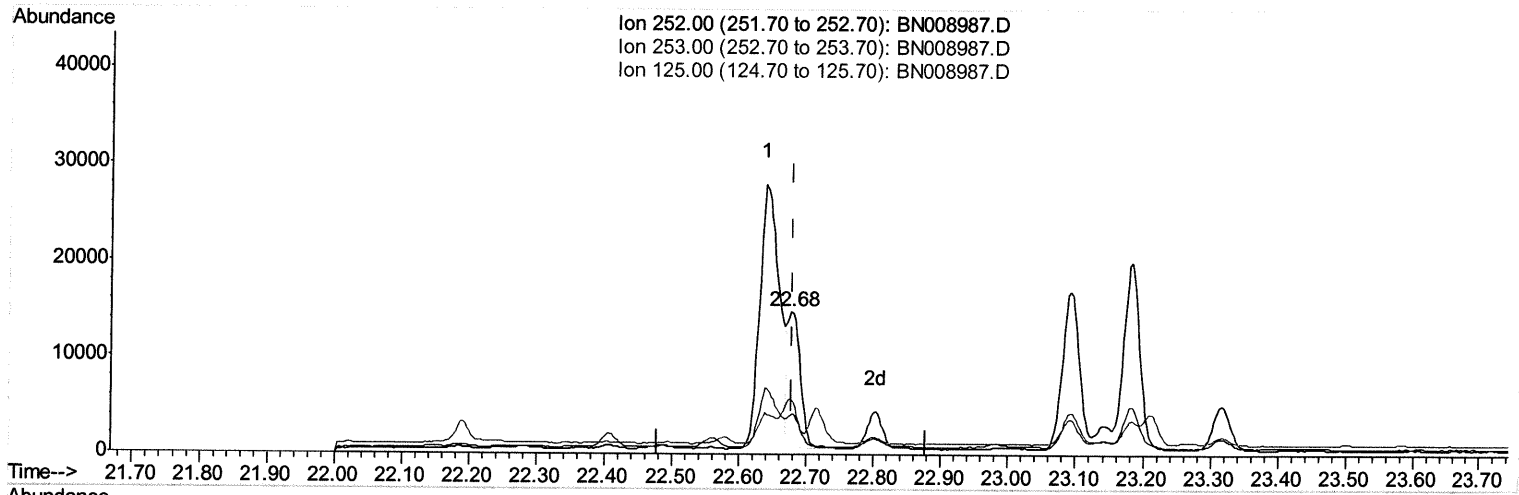
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Operator : JU  
Sample : K4649-06  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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TIC: BN008987.D

(22) Benzo(k)fluoranthene

22.677min (-0.003) 0.26ng/ul m JU 12/16/19

response 19610

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 24.50 | 27.52  |
| 125.00 | 17.20 | 38.93# |
| 0.00   | 0.00  | 0.00   |

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ALS Vial : 26 Sample Multiplier: 1

Instrument :  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 3695     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.31 | 136  | 16134    | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.18 | 164  | 10708    | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.92 | 188  | 24603    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.13 | 240  | 21501    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.27 | 264  | 18578m   | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.90 | 152  | 6639     | 0.25 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 18.96 | 212  | 18679    | 0.25 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.36 | 128  | 5083     | 0.105 | ng/ul  | 97     |
| 5) 2-Methylnaphthalene     | 11.98 | 142  | 4558     | 0.134 | ng/ul  | 99     |
| 7) Acenaphthylene          | 13.89 | 152  | 4831     | 0.082 | ng/ul# | 93     |
| 9) Fluorene                | 15.24 | 166  | 2246     | 0.044 | ng/ul# | 77     |
| 12) Phenanthrene           | 16.97 | 178  | 64076    | 0.772 | ng/ul  | 99     |
| 13) Anthracene             | 17.06 | 178  | 7054     | 0.090 | ng/ul# | 94     |
| 15) Fluoranthene           | 18.99 | 202  | 113008   | 1.109 | ng/ul  | 99     |
| 17) Pyrene                 | 19.35 | 202  | 90913    | 1.054 | ng/ul  | 99     |
| 18) Benzo(a)anthracene     | 21.11 | 228  | 40230    | 0.465 | ng/ul# | 94     |
| 19) Chrysene               | 21.16 | 228  | 60453    | 0.712 | ng/ul# | 96     |
| 21) Benzo(b)fluoranthene   | 22.64 | 252  | 56301m   | 0.735 | ng/ul  | 3      |
| 22) Benzo(k)fluoranthene   | 22.68 | 252  | 19610m   | 0.258 | ng/ul  | 3      |
| 23) Benzo(a)pyrene         | 23.18 | 252  | 32626    | 0.454 | ng/ul  | 99     |
| 24) Indeno(1,2,3-cd)pyrene | 25.38 | 276  | 19959    | 0.237 | ng/ul# | 94     |
| 25) Dibenzo(a,h)anthracene | 25.38 | 278  | 5452     | 0.080 | ng/ul# | 73     |
| 26) Benzo(g,h,i)perylene   | 26.02 | 276  | 19539    | 0.278 | ng/ul  | 99     |

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