

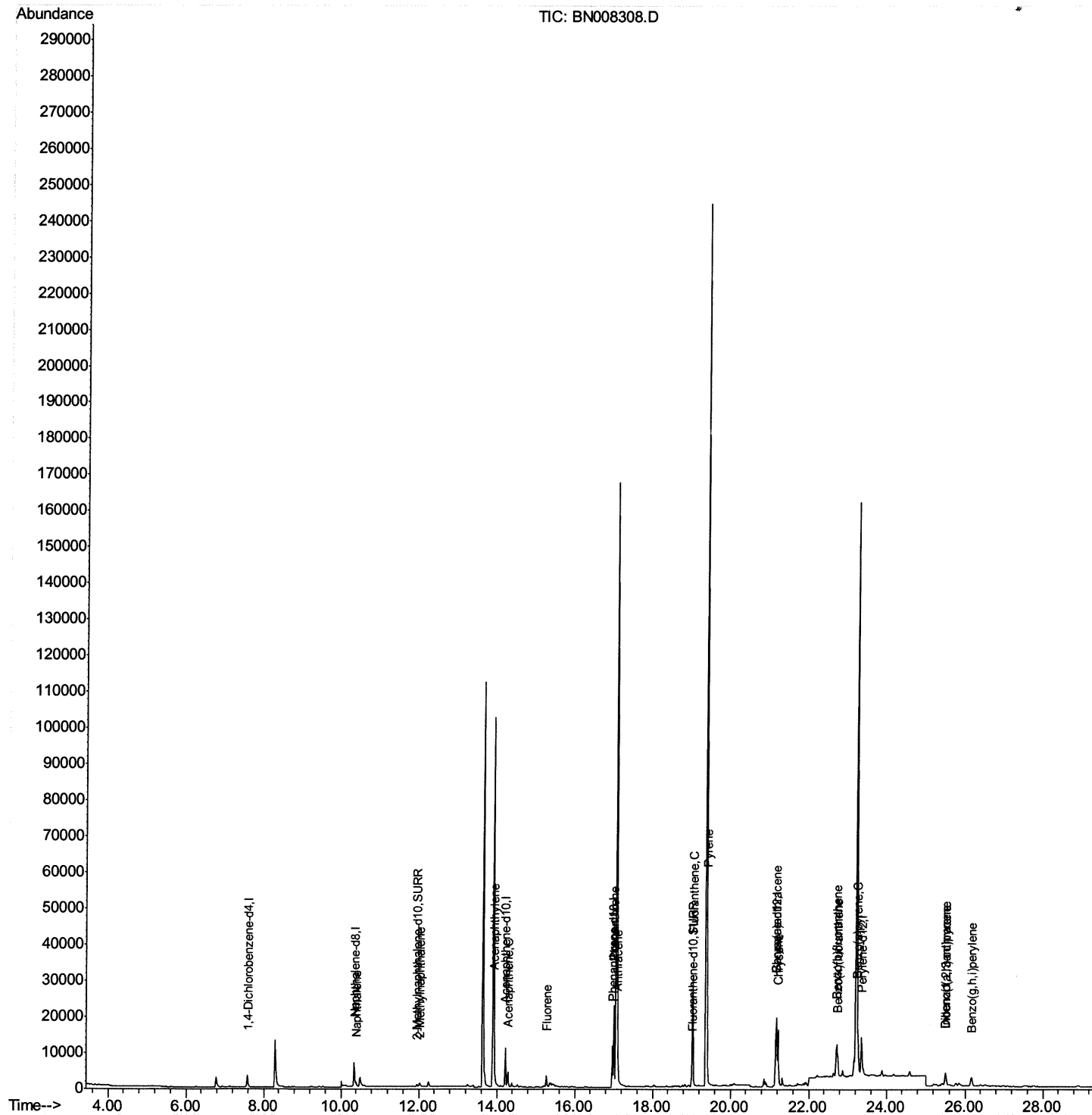
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102219\  
Data File : BN008308.D  
Acq On : 22 Oct 2019 10:39  
Operator : JU  
Sample : K5199-07DL 5X  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEP74DL

Manual Integrations  
APPROVED

mohammad  
10/23/2019 8:06:19 AM

Quant Time: Oct 22 13:41:36 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 : Tue Oct 22 13:04:25 2019  
Response via : Initial Calibration



## Quantitation Report (Qedit)

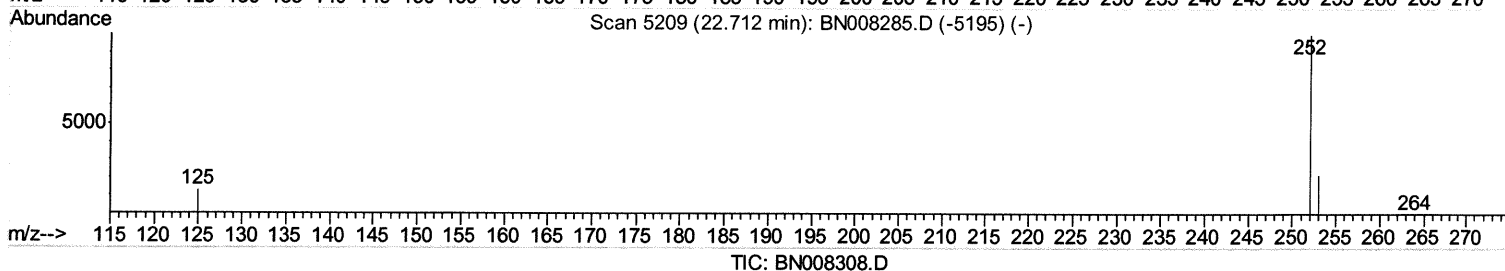
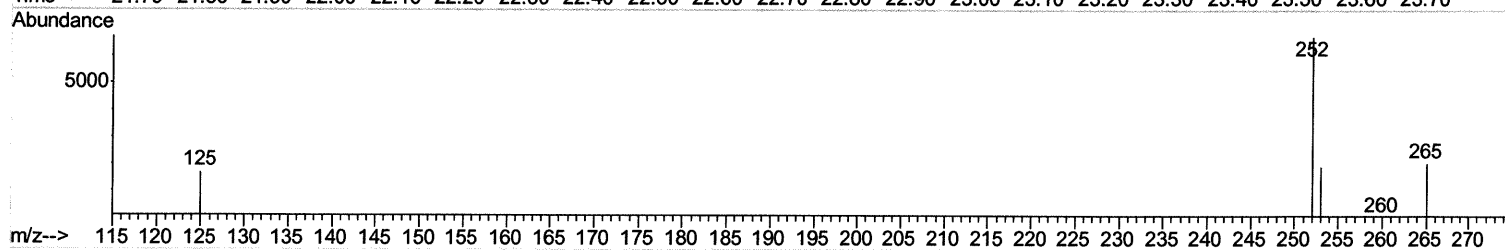
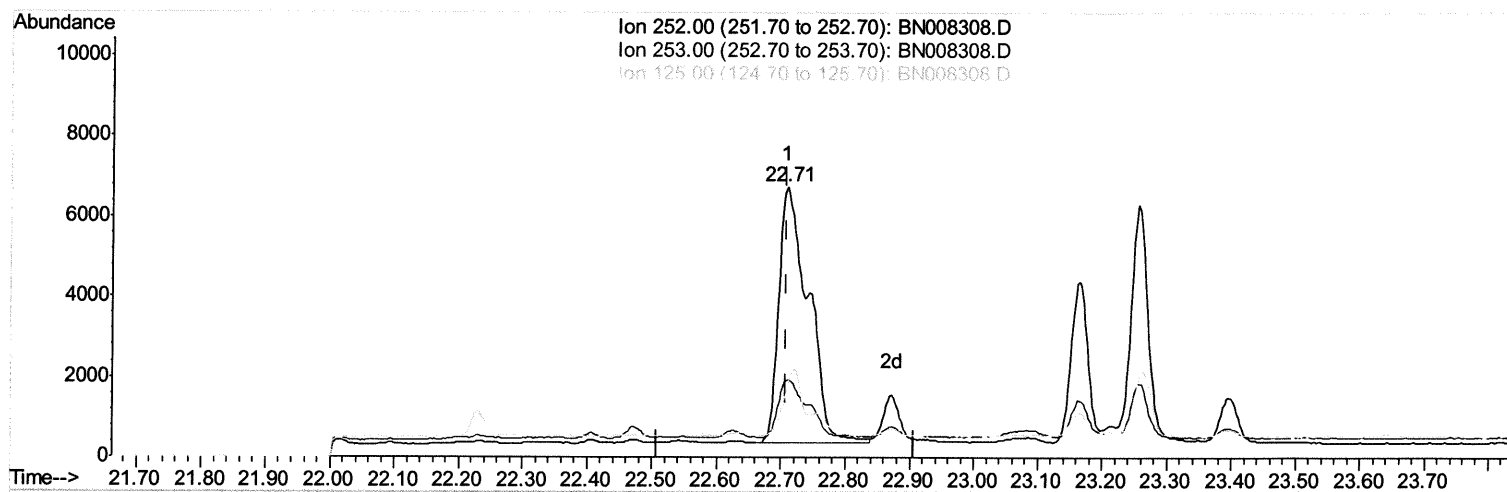
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102219\  
Data File : BN008308.D  
Acq On : 22 Oct 2019 10:39  
Operator : JU  
Sample : K5199-07DL 5X  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BEP74DL

Manual Integrations  
APPROVED

mohammad  
10/23/2019 8:06:19 AM

Quant Time: Oct 22 13:40:09 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 : Tue Oct 22 13:04:25 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.709min (+0.000) 0.45ng/ul

response 20227

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.70 | 28.64 |
| 125.00 | 16.20 | 25.13 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

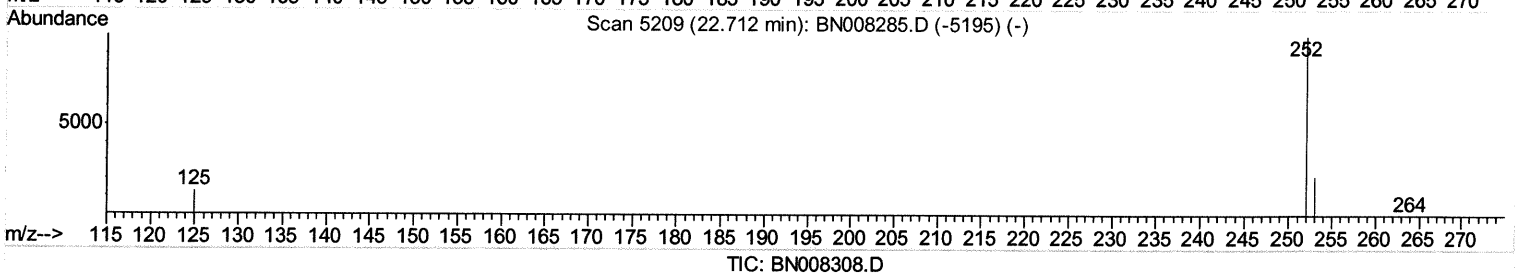
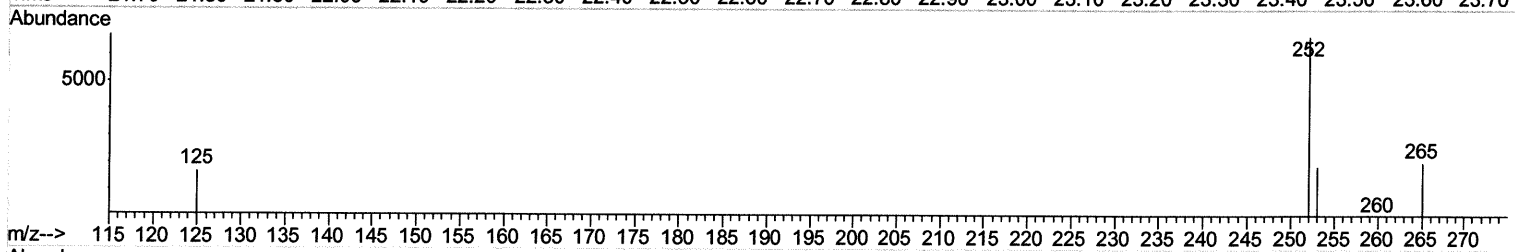
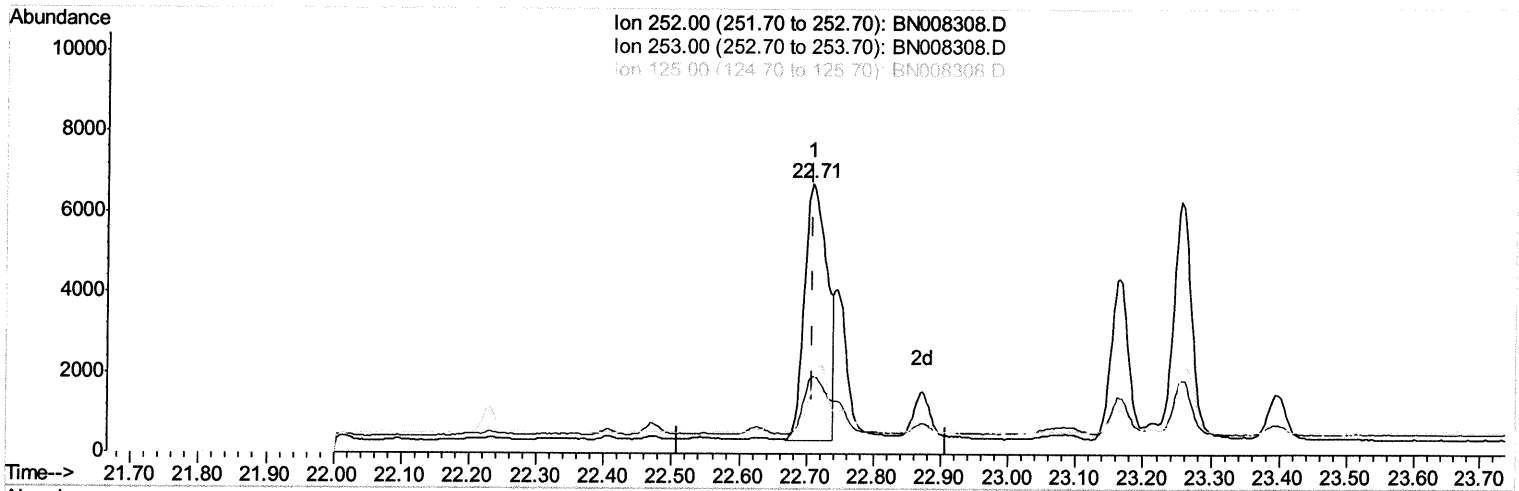
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102219\  
 Data File : BN008308.D  
 Acq On : 22 Oct 2019 10:39  
 Operator : JU  
 Sample : K5199-07DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEP74DL

Manual Integrations  
 APPROVED

mohammad  
 10/23/2019 8:06:19 AM

Quant Time: Oct 22 13:40:09 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 : Tue Oct 22 13:04:25 2019  
 Response via : Initial Calibration



(21) Benzo(b)fluoranthene

22.709min (+0.000) 0.33ng/ul m *RI 10.23.19*

response 14947

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.70 | 28.64 |
| 125.00 | 16.20 | 25.13 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

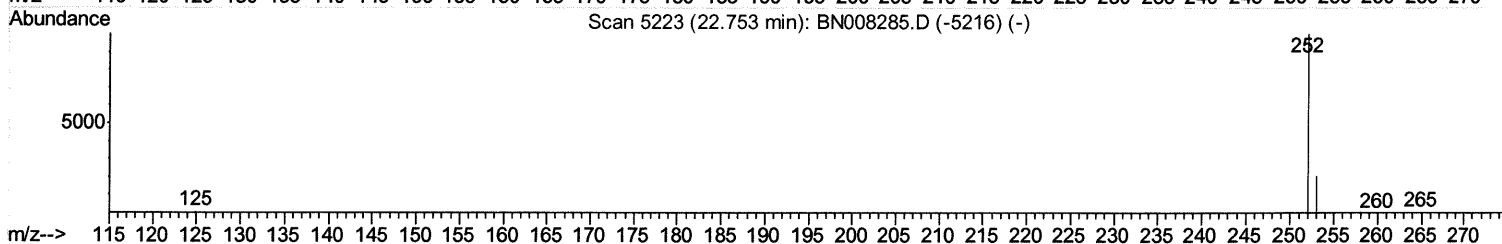
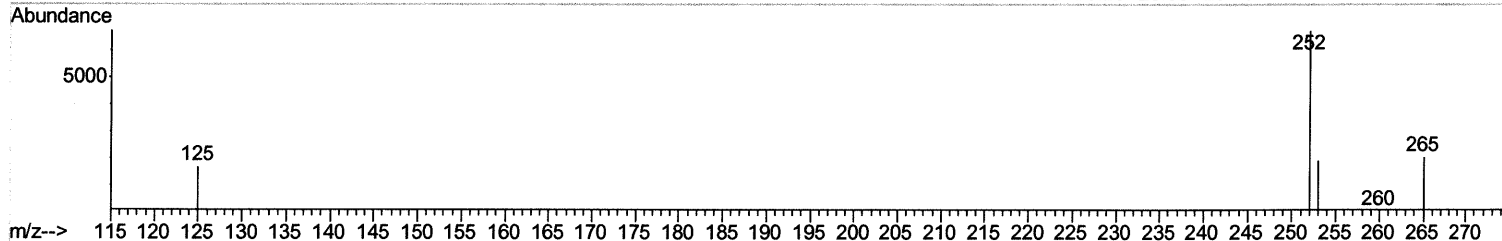
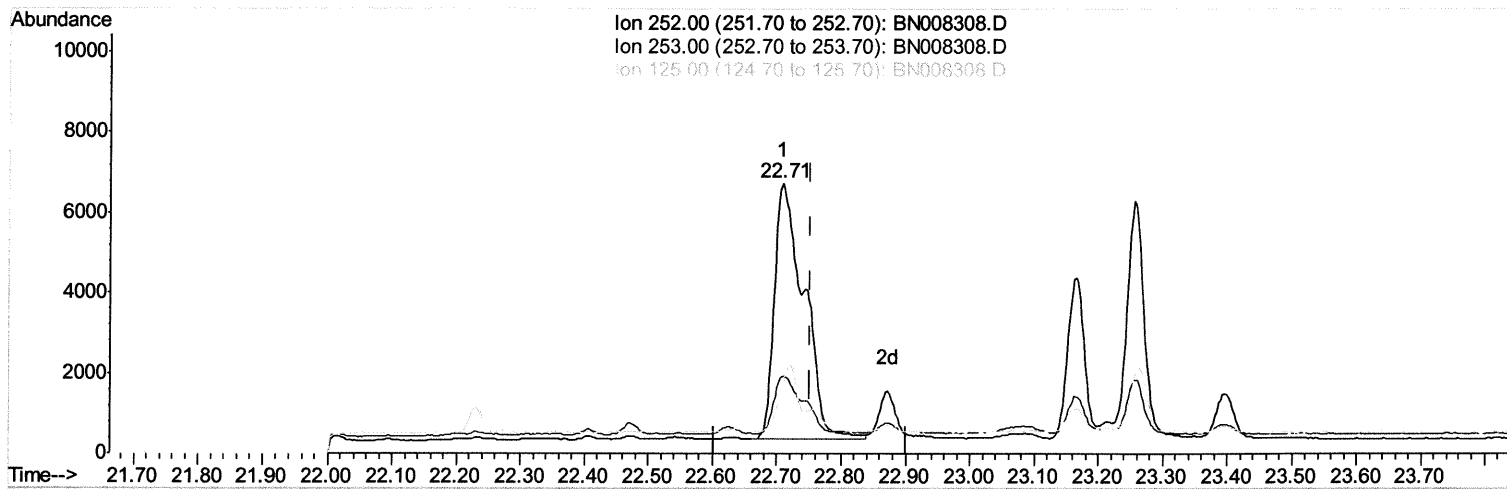
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102219\  
 Data File : BN008308.D  
 Acq On : 22 Oct 2019 10:39  
 Operator : JU  
 Sample : K5199-07DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEP74DL

Manual Integrations  
 APPROVED

mohammad  
 10/23/2019 8:06:19 AM

Quant Time: Oct 22 13:40:09 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 : Tue Oct 22 13:04:25 2019  
 Response via : Initial Calibration



TIC: BN008308.D

(22) Benzo(k)fluoranthene  
 22.709min (-0.044) 0.40ng/ul  
 response 20227  

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 28.64  |
| 125.00 | 15.40 | 25.13# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

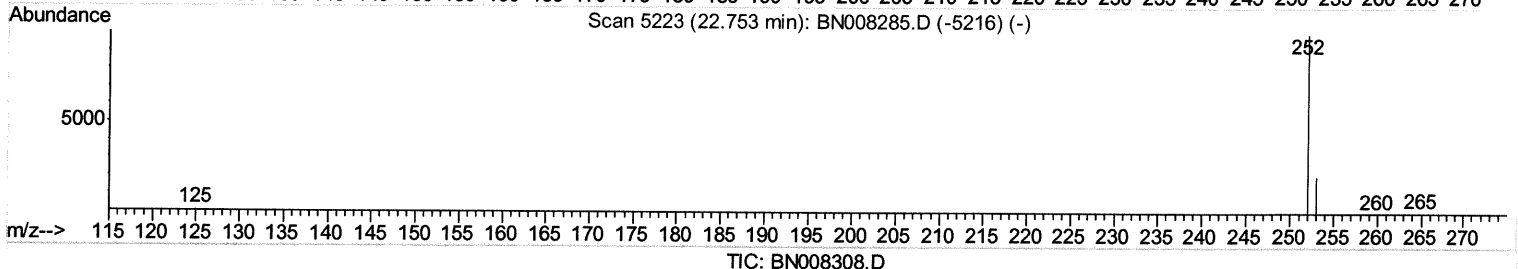
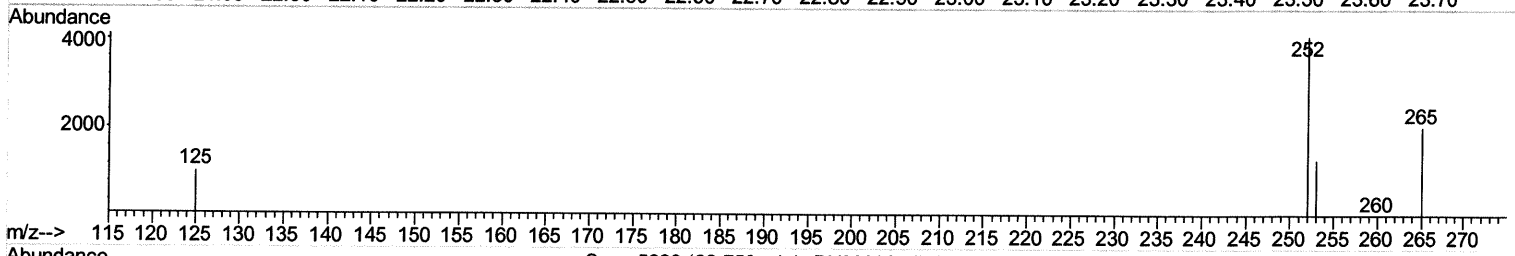
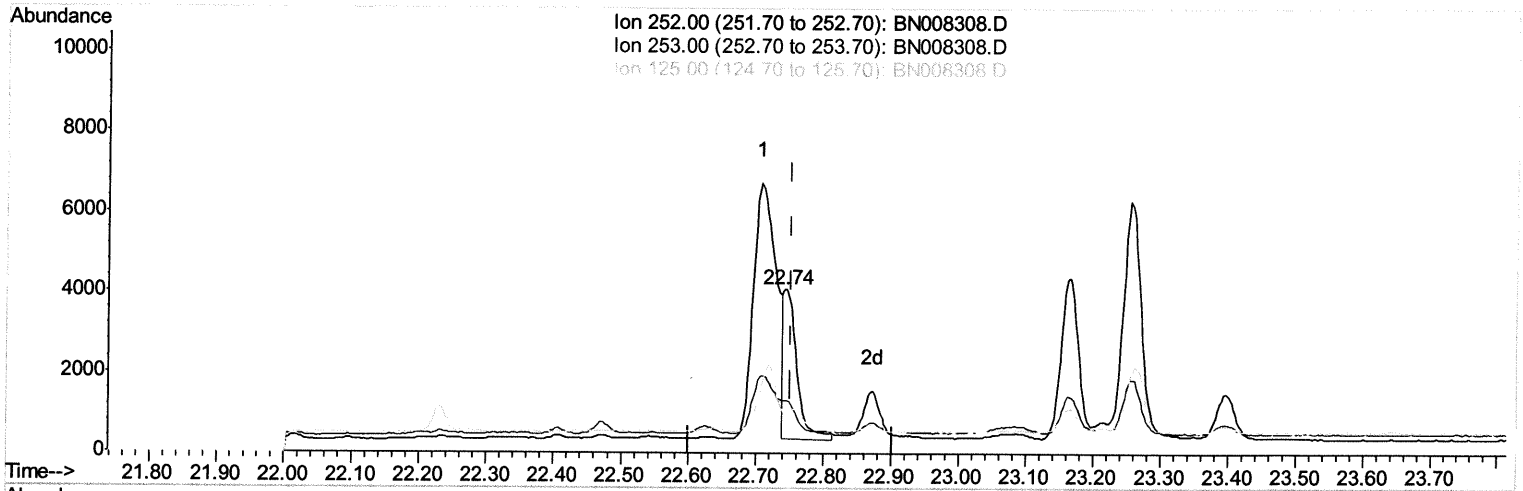
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102219\  
 Data File : BN008308.D  
 Acq On : 22 Oct 2019 10:39  
 Operator : JU  
 Sample : K5199-07DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BEP74DL

Manual Integrations  
 APPROVED

mohammad  
 10/23/2019 8:06:19 AM

Quant Time: Oct 22 13:40:09 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 : Tue Oct 22 13:04:25 2019  
 Response via : Initial Calibration



(22) Benzo(k)fluoranthene

22.744min (-0.009) 0.10ng/ul m *RU 10-23-19*

response 5311

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 32.32# |
| 125.00 | 15.40 | 25.17# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102219\  
 Data File : BN008308.D  
 Acq On : 22 Oct 2019 10:39  
 Operator : JU  
 Sample : K5199-07DL 5X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 BEP74DL

Manual Integrations  
 APPROVED

mohammad  
 10/23/2019 8:06:19 AM

Quant Time: Oct 22 13:41:36 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 : Tue Oct 22 13:04:25 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 2006     | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.35 | 136  | 9694     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.22 | 164  | 6342     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 16.97 | 188  | 13903    | 0.40 | ng/ul | 0.00     |
| 16) Chrysene-d12          | 21.18 | 240  | 13535    | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.35 | 264  | 13812    | 0.40 | ng/ul | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Methylnaphthalene-d10  | 11.95 | 152  | 976      | 0.06 | ng/ul | 0.00     |
| 14) Fluoranthene-d10        | 19.00 | 212  | 3252     | 0.07 | ng/ul | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units  | Qvalue       |
|----------------------------|-------|------|----------|-------|--------|--------------|
| 3) Naphthalene             | 10.39 | 128  | 1520     | 0.055 | ng/ul# | 86           |
| 5) 2-Methylnaphthalene     | 12.03 | 142  | 1208     | 0.064 | ng/ul  | 98           |
| 7) Acenaphthylene          | 13.94 | 152  | 785      | 0.026 | ng/ul# | 74           |
| 8) Acenaphthene            | 14.28 | 153  | 2497     | 0.106 | ng/ul  | 99           |
| 9) Fluorene                | 15.27 | 166  | 1985     | 0.074 | ng/ul# | 96           |
| 12) Phenanthrene           | 17.01 | 178  | 24944    | 0.613 | ng/ul  | 99           |
| 13) Anthracene             | 17.10 | 178  | 6048     | 0.169 | ng/ul  | 98           |
| 15) Fluoranthene           | 19.04 | 202  | 26709    | 0.497 | ng/ul  | 98           |
| 17) Pyrene                 | 19.40 | 202  | 30991    | 0.575 | ng/ul  | 99           |
| 18) Benzo(a)anthracene     | 21.16 | 228  | 14462    | 0.294 | ng/ul  | 96           |
| 19) Chrysene               | 21.21 | 228  | 16418    | 0.272 | ng/ul  | 98           |
| 21) Benzo(b)fluoranthene   | 22.71 | 252  | 14947m   | 0.332 | ng/ul  | } m 10.23.19 |
| 22) Benzo(k)fluoranthene   | 22.74 | 252  | 5311m    | 0.104 | ng/ul  |              |
| 23) Benzo(a)pyrene         | 23.26 | 252  | 10785    | 0.228 | ng/ul# | 92           |
| 24) Indeno(1,2,3-cd)pyrene | 25.51 | 276  | 5790     | 0.104 | ng/ul# | 92           |
| 25) Dibenzo(a,h)anthracene | 25.51 | 278  | 1489     | 0.034 | ng/ul# | 53           |
| 26) Benzo(g,h,i)perylene   | 26.16 | 276  | 5150     | 0.101 | ng/ul# | 91           |

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