

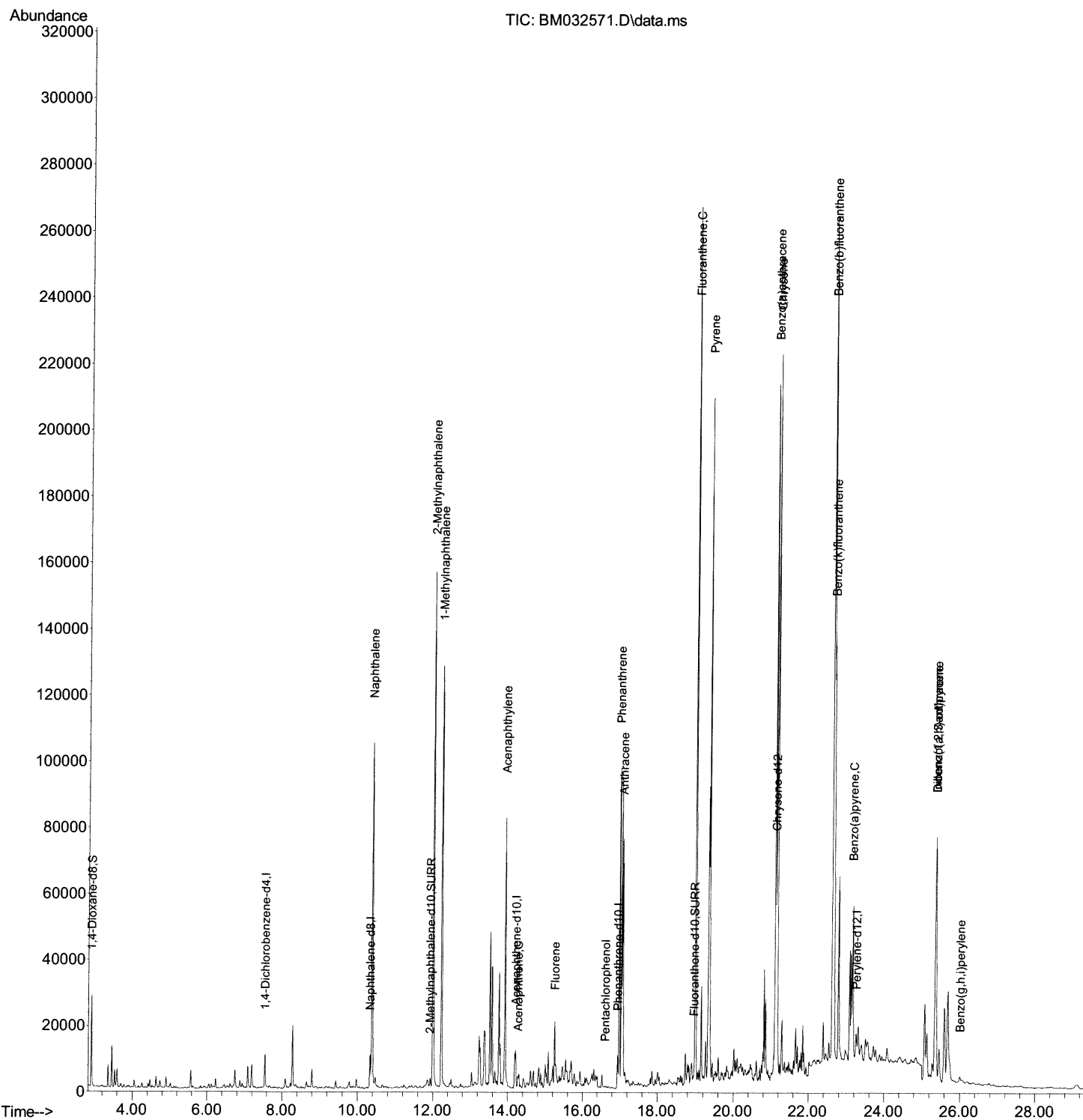
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
Data File : BM032571.D  
Acq On : 18 Oct 2021 13:42  
Operator : CG/JU  
Sample : M4181-19  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B28

Manual Integrations  
APPROVED

mohammad  
10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 10:38:29 2021  
Response via : Initial Calibration



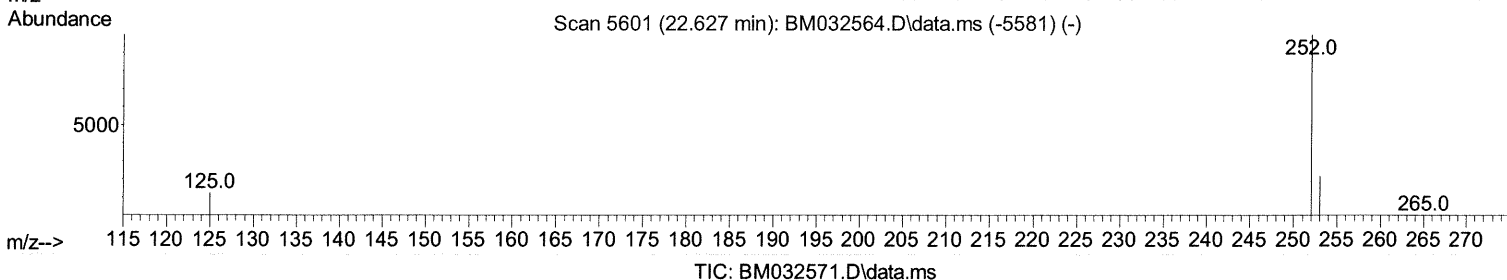
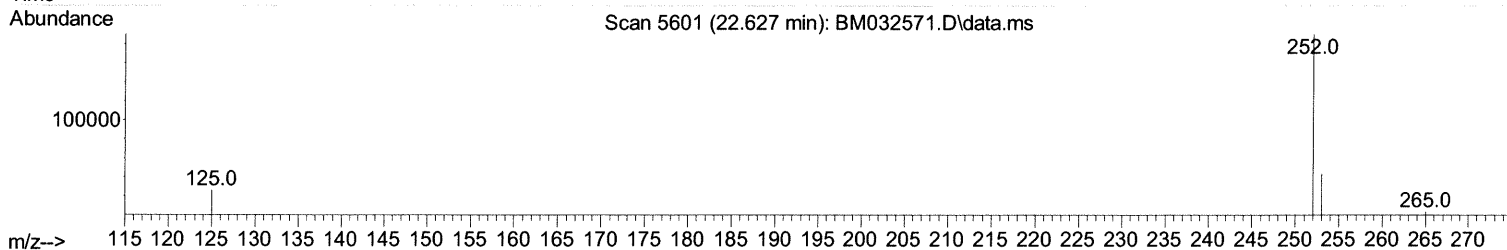
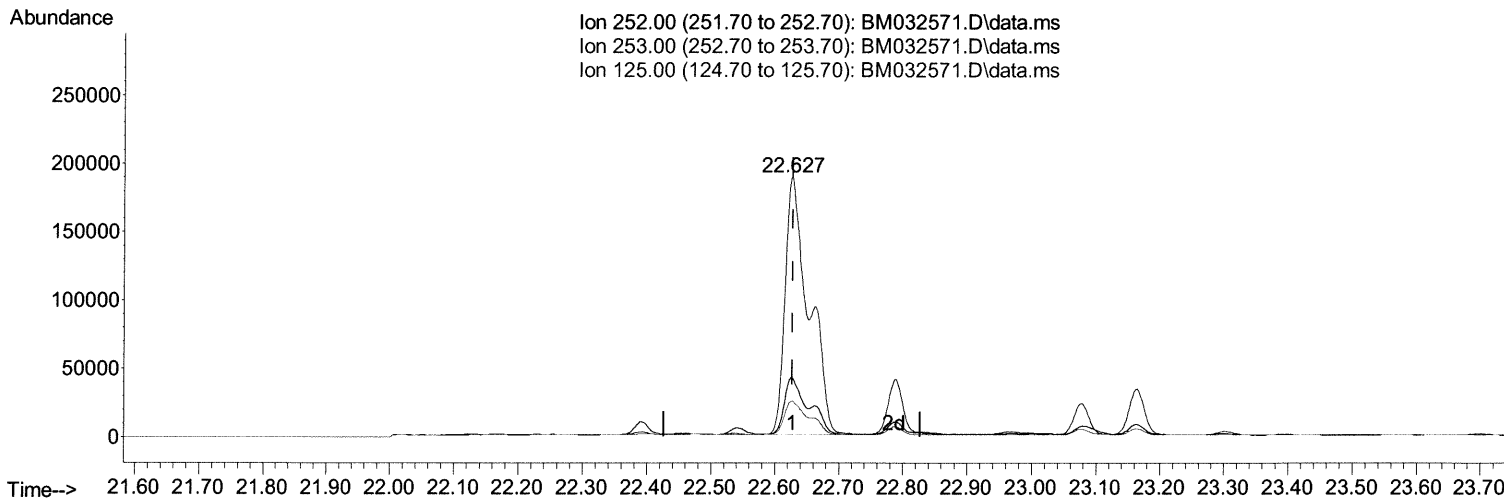
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
Data File : BM032571.D  
Acq On : 18 Oct 2021 13:42  
Operator : CG/JU  
Sample : M4181-19  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B28

Manual Integrations  
APPROVED

mohammad  
10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 10:38:29 2021  
Response via : Initial Calibration



(24) Benzo(b) fluoranthene

22.627min ( 0.000) 11.11 ng/ul

response 489672

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.90  | 22.91  |
| 125.00 | 17.80  | 13.74  |
| 0.00   | 0.00   | 0.00   |

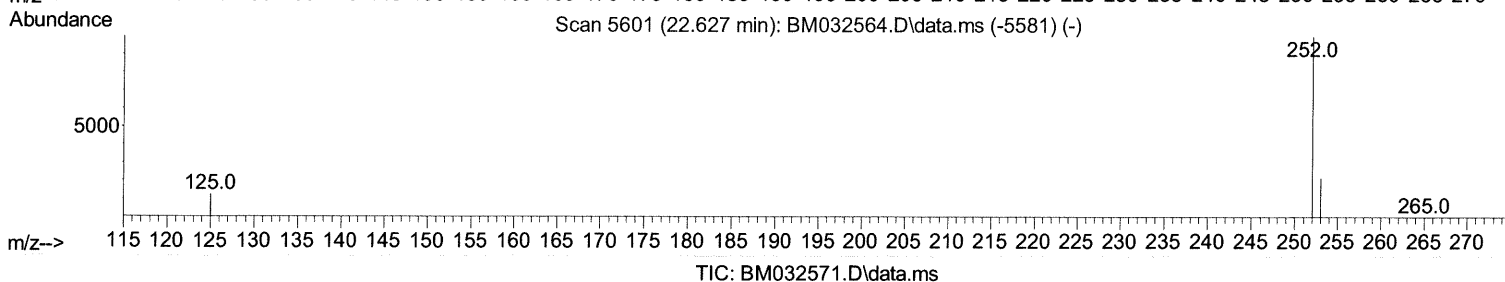
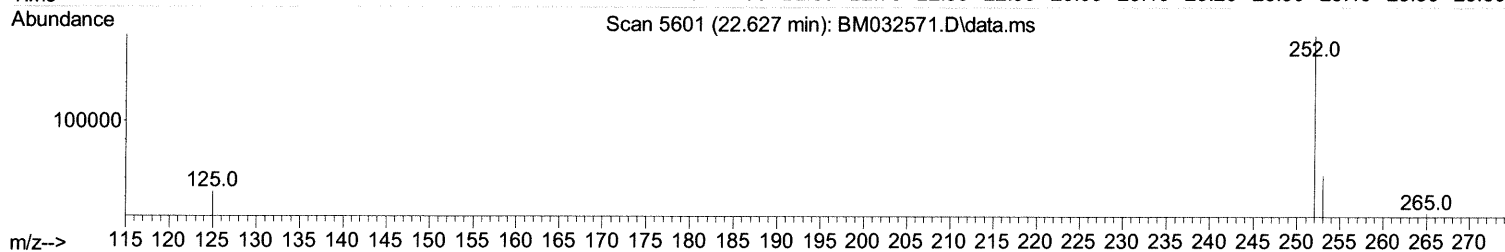
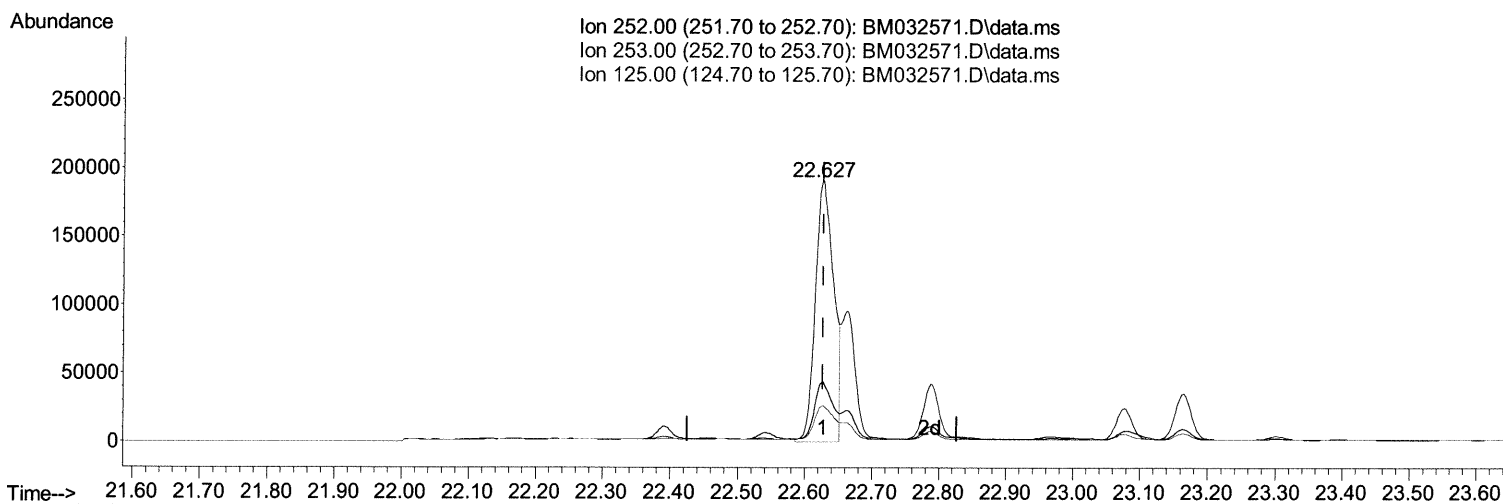
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
Data File : BM032571.D  
Acq On : 18 Oct 2021 13:42  
Operator : CG/JU  
Sample : M4181-19  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B28

Manual Integrations  
APPROVED

mohammad  
10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 10:38:29 2021  
Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.627min ( 0.000) 8.20 ng/ul m

10/20/21 JU

response 361375

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.90  | 22.91  |
| 125.00 | 17.80  | 13.74  |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

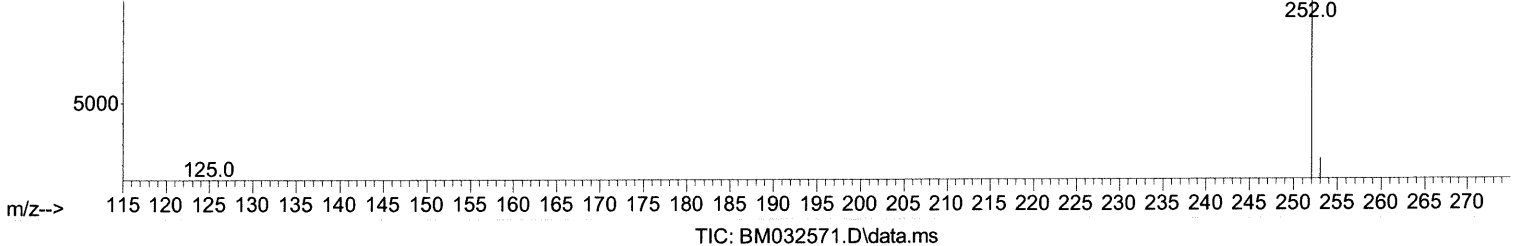
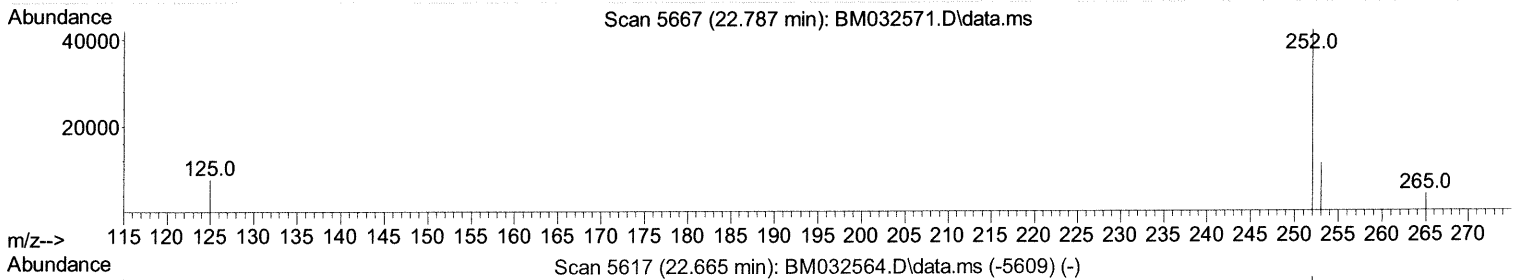
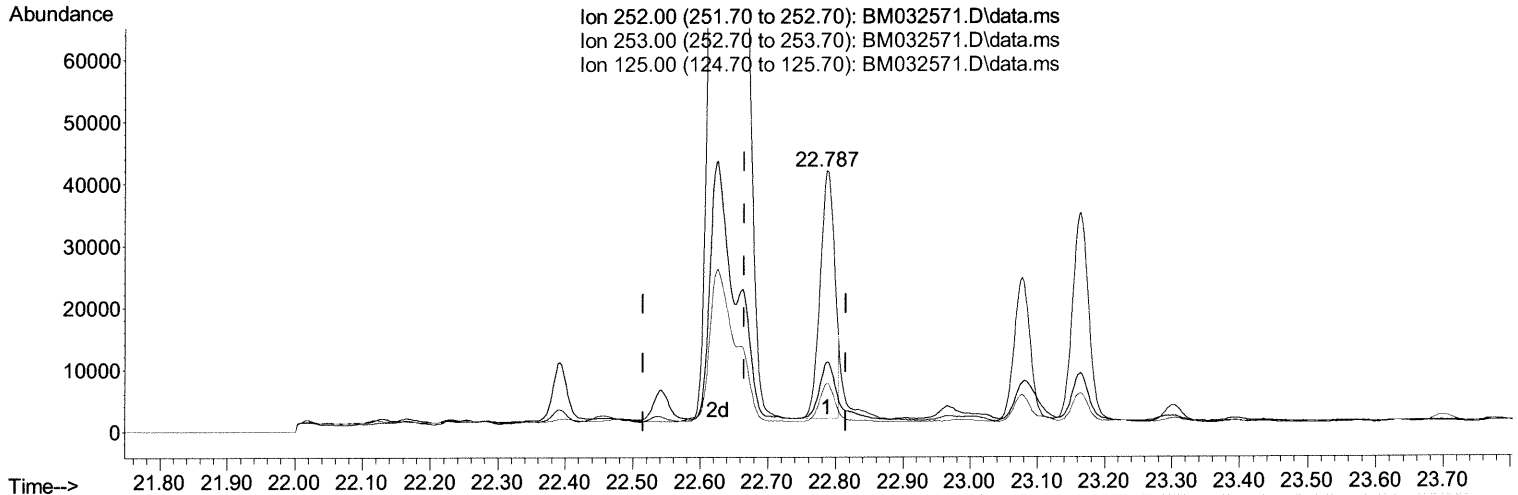
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
 Data File : BM032571.D  
 Acq On : 18 Oct 2021 13:42  
 Operator : CG/JU  
 Sample : M4181-19  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B28

Manual Integrations  
 APPROVED

mohammad  
 10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 18 10:38:29 2021  
 Response via : Initial Calibration



## (25) Benzo(k)fluoranthene

22.787min (+ 0.121) 1.34 ng/ul

response 59017

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20  | 26.60  |
| 125.00 | 18.00  | 18.28  |
| 0.00   | 0.00   | 0.00   |

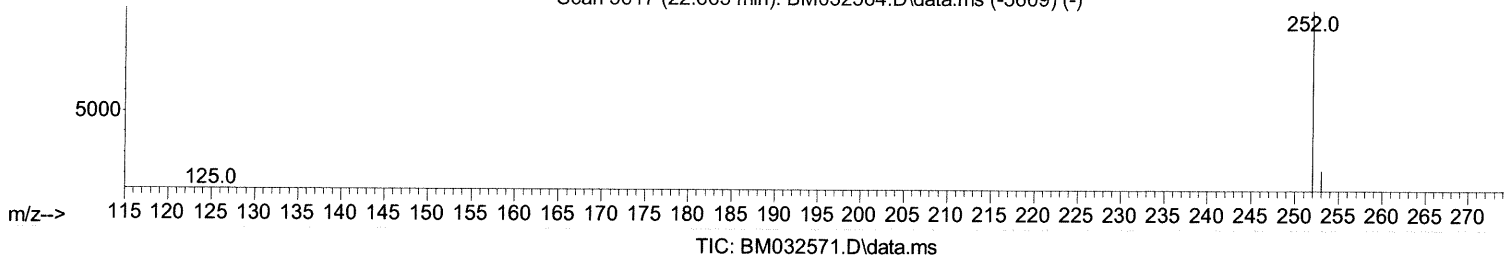
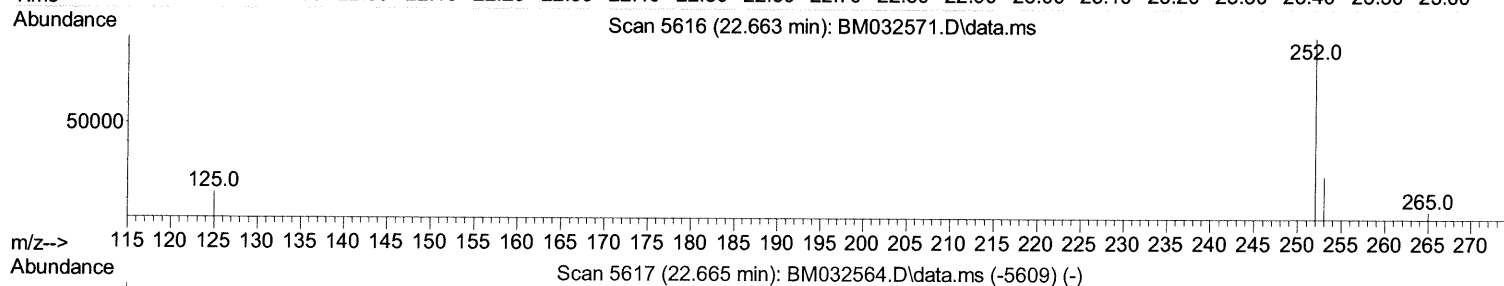
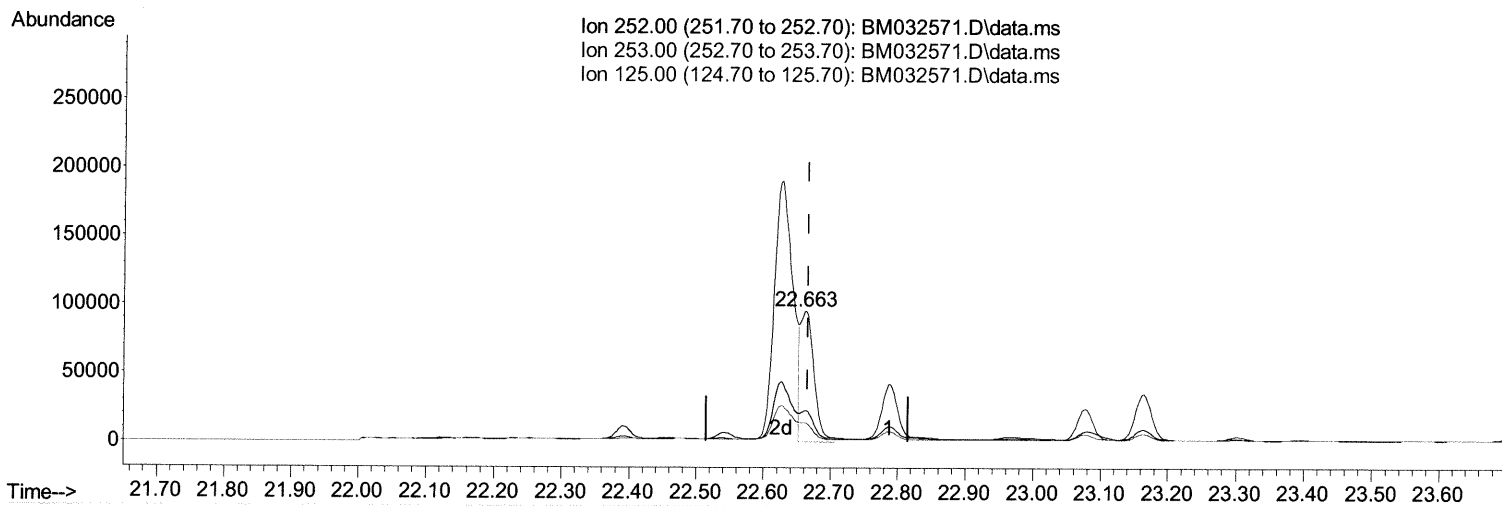
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
Data File : BM032571.D  
Acq On : 18 Oct 2021 13:42  
Operator : CG/JU  
Sample : M4181-19  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0B28

Manual Integrations  
APPROVED

mohammad  
10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 18 10:38:29 2021  
Response via : Initial Calibration



(25) Benzo(k)fluoranthene

22.663min (-0.002) 3.16 ng/ul m 10/20/21 JU

response 138692

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20  | 23.96  |
| 125.00 | 18.00  | 14.31# |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM101821\  
 Data File : BM032571.D  
 Acq On : 18 Oct 2021 13:42  
 Operator : CG/JU  
 Sample : M4181-19  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0B28

Manual Integrations  
 APPROVED

mohammad  
 10/19/2021 12:10:35 PM

Quant Time: Oct 18 14:12:39 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM101421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 18 10:38:29 2021  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min)     |
|-----------------------------|--------|------|----------|-------|--------|--------------|
| Internal Standards          |        |      |          |       |        |              |
| 1) 1,4-Dichlorobenzene-d4   | 7.550  | 152  | 3919     | 0.400 | ng/ul  | 0.00         |
| 4) Naphthalene-d8           | 10.335 | 136  | 11450    | 0.400 | ng/ul  | # 0.00       |
| 9) Acenaphthene-d10         | 14.209 | 164  | 5652     | 0.400 | ng/ul  | 0.00         |
| 13) Phenanthrene-d10        | 16.943 | 188  | 10241    | 0.400 | ng/ul  | # 0.00       |
| 17) Chrysene-d12            | 21.123 | 240  | 8017     | 0.400 | ng/ul  | # 0.00       |
| 23) Perylene-d12            | 23.257 | 264  | 9541     | 0.400 | ng/ul  | # 0.00       |
| System Monitoring Compounds |        |      |          |       |        |              |
| 3) 1,4-Dioxane-d8           | 2.920  | 96   | 16017    | 3.646 | ng/ul  | 0.00         |
| 6) 2-Methylnaphthalene-d10  | 11.931 | 152  | 3923     | 0.257 | ng/ul  | 0.00         |
| 18) Fluoranthene-d10        | 18.970 | 212  | 6738     | 0.267 | ng/ul  | 0.00         |
| Target Compounds            |        |      |          |       |        |              |
|                             |        |      |          |       | Qvalue |              |
| 5) Naphthalene              | 10.384 | 128  | 137613   | 3.963 | ng/ul  | 98           |
| 7) 2-Methylnaphthalene      | 12.008 | 142  | 110932   | 4.883 | ng/ul  | 99           |
| 8) 1-Methylnaphthalene      | 12.228 | 142  | 84089    | 3.748 | ng/ul  | 100          |
| 10) Acenaphthylene          | 13.928 | 152  | 80561    | 3.339 | ng/ul  | 98           |
| 11) Acenaphthene            | 14.270 | 153  | 3138     | 0.143 | ng/ul# | 90           |
| 12) Fluorene                | 15.256 | 166  | 6561     | 0.265 | ng/ul# | 60           |
| 14) Pentachlorophenol       | 16.613 | 266  | 110      | 0.042 | ng/ul# | 85           |
| 15) Phenanthrene            | 16.984 | 178  | 99769    | 2.897 | ng/ul  | 99           |
| 16) Anthracene              | 17.075 | 178  | 78763    | 2.604 | ng/ul  | 99           |
| 19) Fluoranthene            | 19.000 | 202  | 210165   | 5.299 | ng/ul  | 99           |
| 20) Pyrene                  | 19.362 | 202  | 162585   | 3.987 | ng/ul  | 99           |
| 21) Benzo(a)anthracene      | 21.106 | 228  | 162183   | 5.176 | ng/ul  | 96           |
| 22) Chrysene                | 21.157 | 228  | 218884   | 6.350 | ng/ul  | 98           |
| 24) Benzo(b)fluoranthene    | 22.627 | 252  | 361375m  | 8.198 | ng/ul  | > 10/20/21ju |
| 25) Benzo(k)fluoranthene    | 22.663 | 252  | 138692m  | 3.160 | ng/ul  |              |
| 26) Benzo(a)pyrene          | 23.164 | 252  | 57679    | 1.561 | ng/ul  | 93           |
| 27) Indeno(1,2,3-cd)pyrene  | 25.357 | 276  | 82604    | 1.829 | ng/ul# | 98           |
| 28) Dibenzo(a,h)anthracene  | 25.357 | 278  | 46141    | 1.295 | ng/ul  | 98           |
| 29) Benzo(g,h,i)perylene    | 26.004 | 276  | 4449     | 0.113 | ng/ul# | 67           |

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