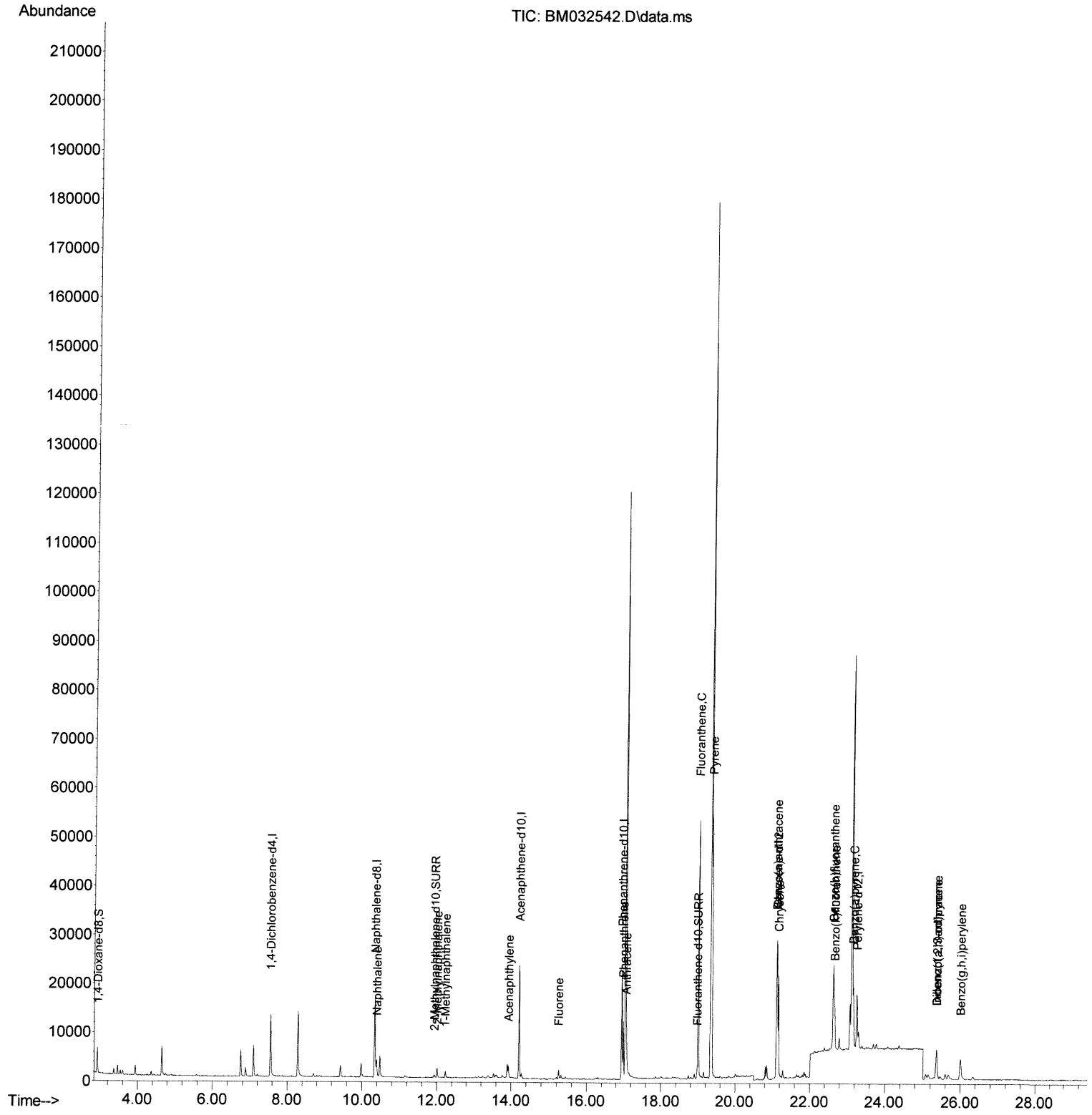
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C00R7DL

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:16 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
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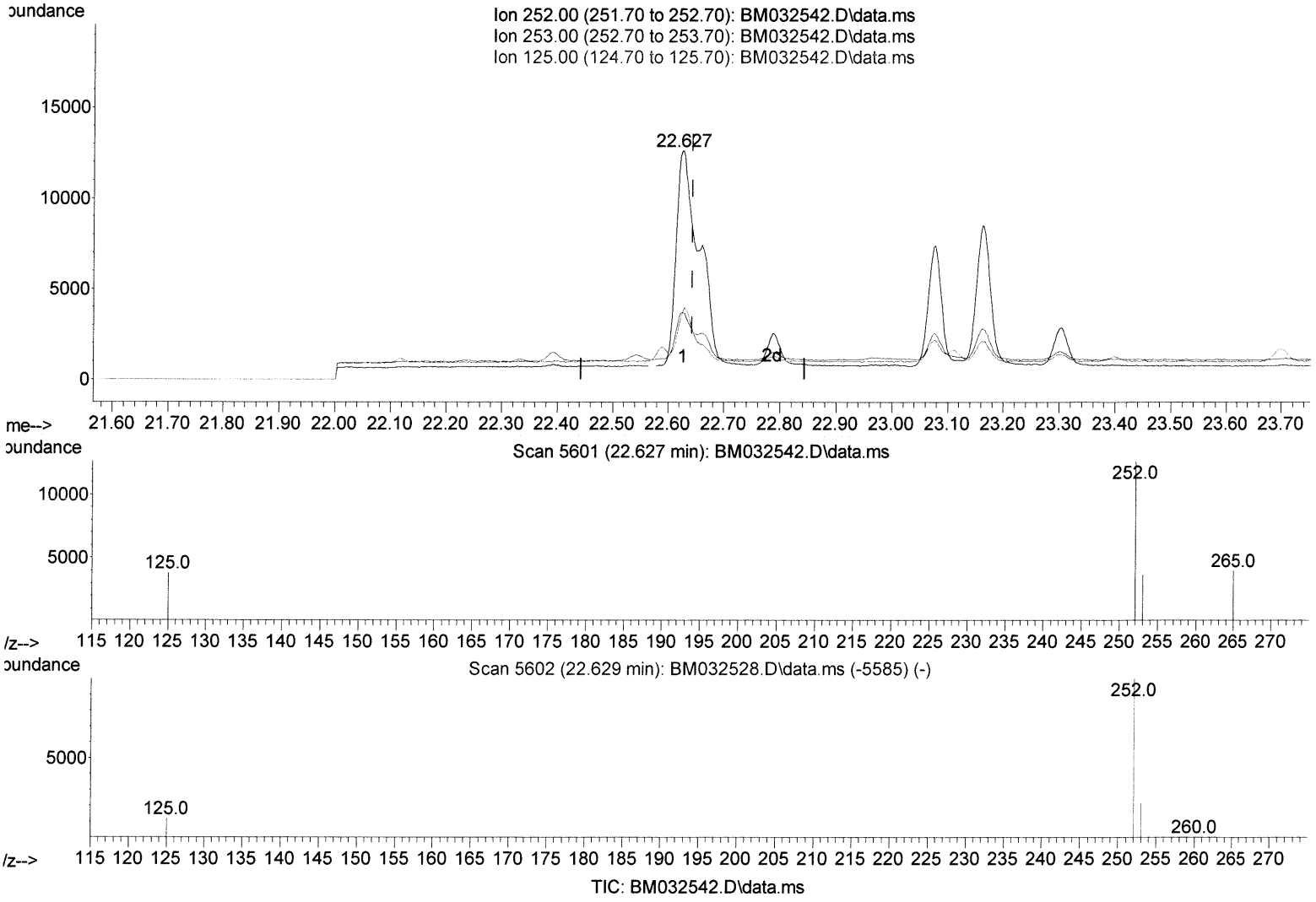
**Instrument :**
BNA_M
**ClientSampleId :**
C00R7DL

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:16 PM




(24) Benzo(b)fluoranthene

22.627min (-0.017) 0.56 ng/ul

response 34360

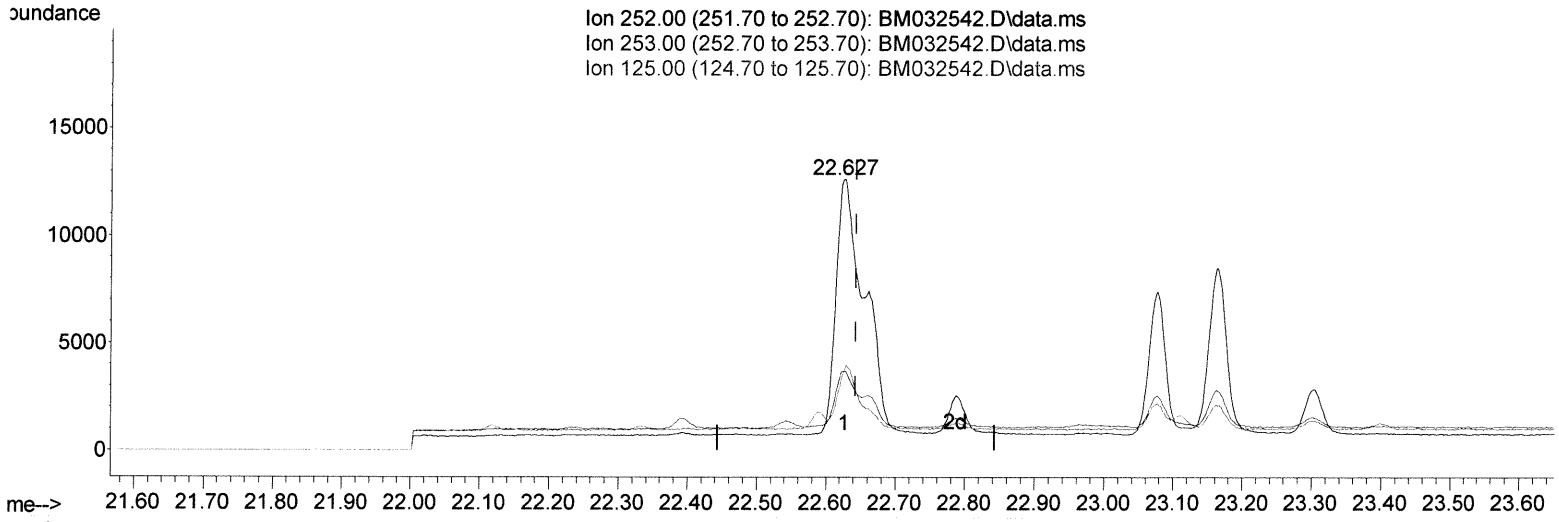
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.90 | 29.02 |
| 125.00 | 17.80 | 30.13 |
| 0.00 | 0.00 | 0.00 |

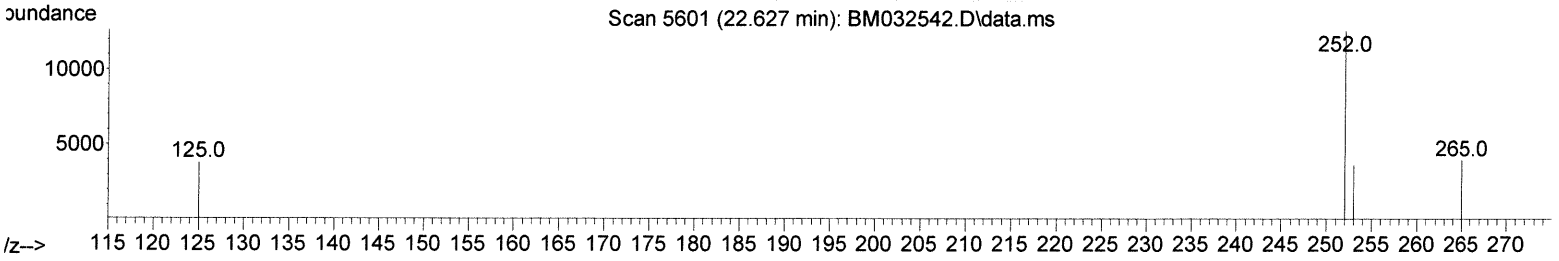
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

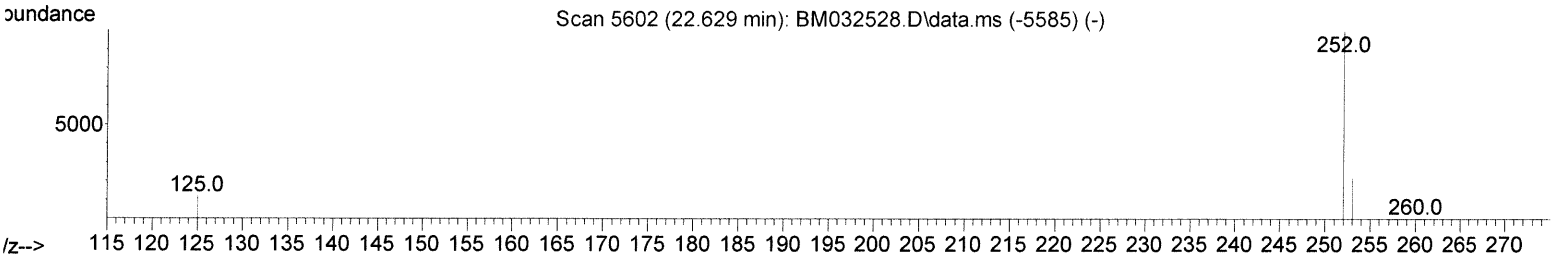
Quant Time: Oct 18 04:10:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C00R7DL

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:16 PM




TIC: BM032542.D\data.ms

(24) Benzo(b)fluoranthene

22.627min (-0.017) 0.40 ng/ul m

JC 10/19/21

response 24344

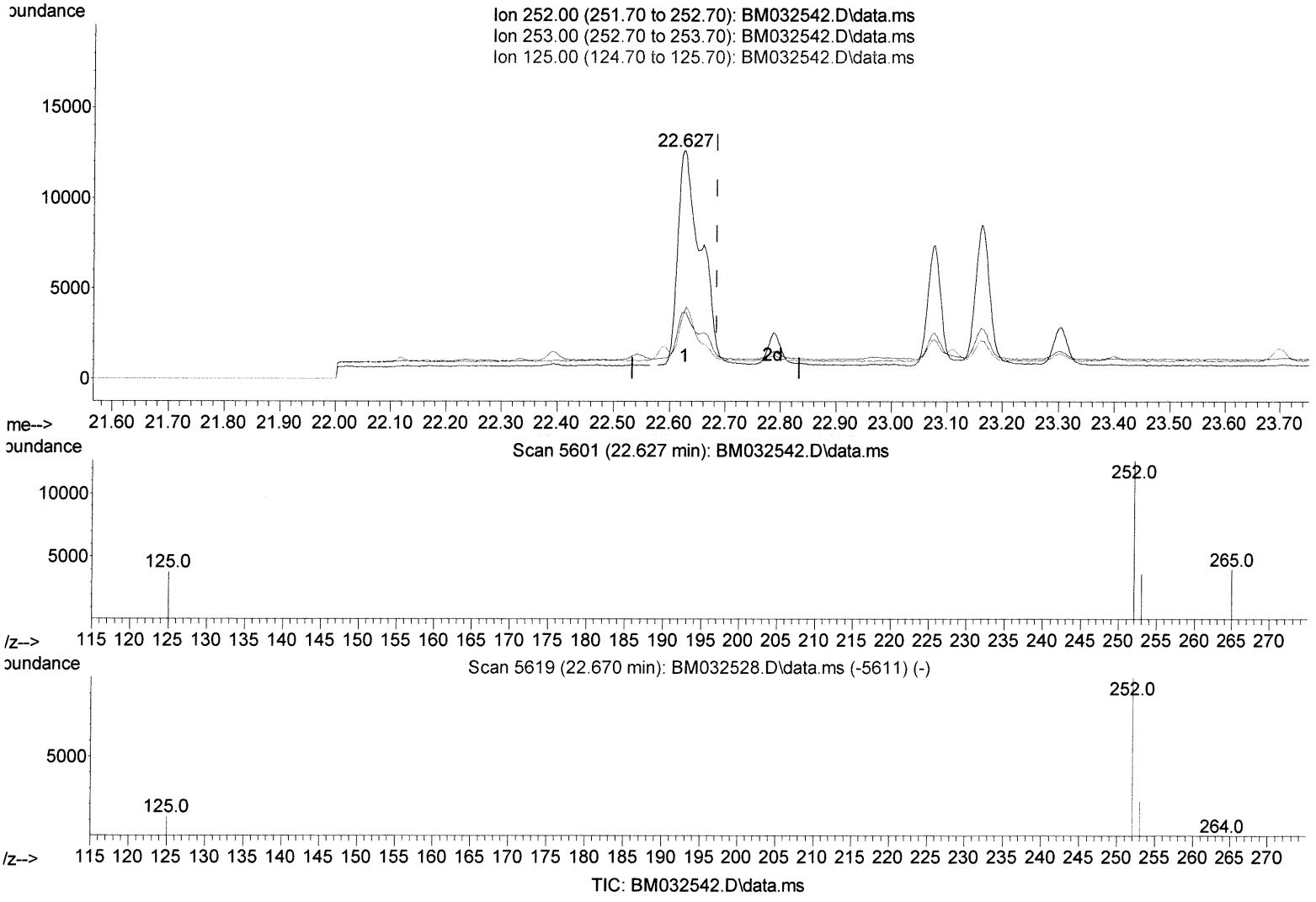
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 26.90 | 29.02 |
| 125.00 | 17.80 | 30.13 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C00R7DL

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:16 PM




(25) Benzo(k)fluoranthene

22.627min (-0.058) 0.56 ng/ul

response 34360

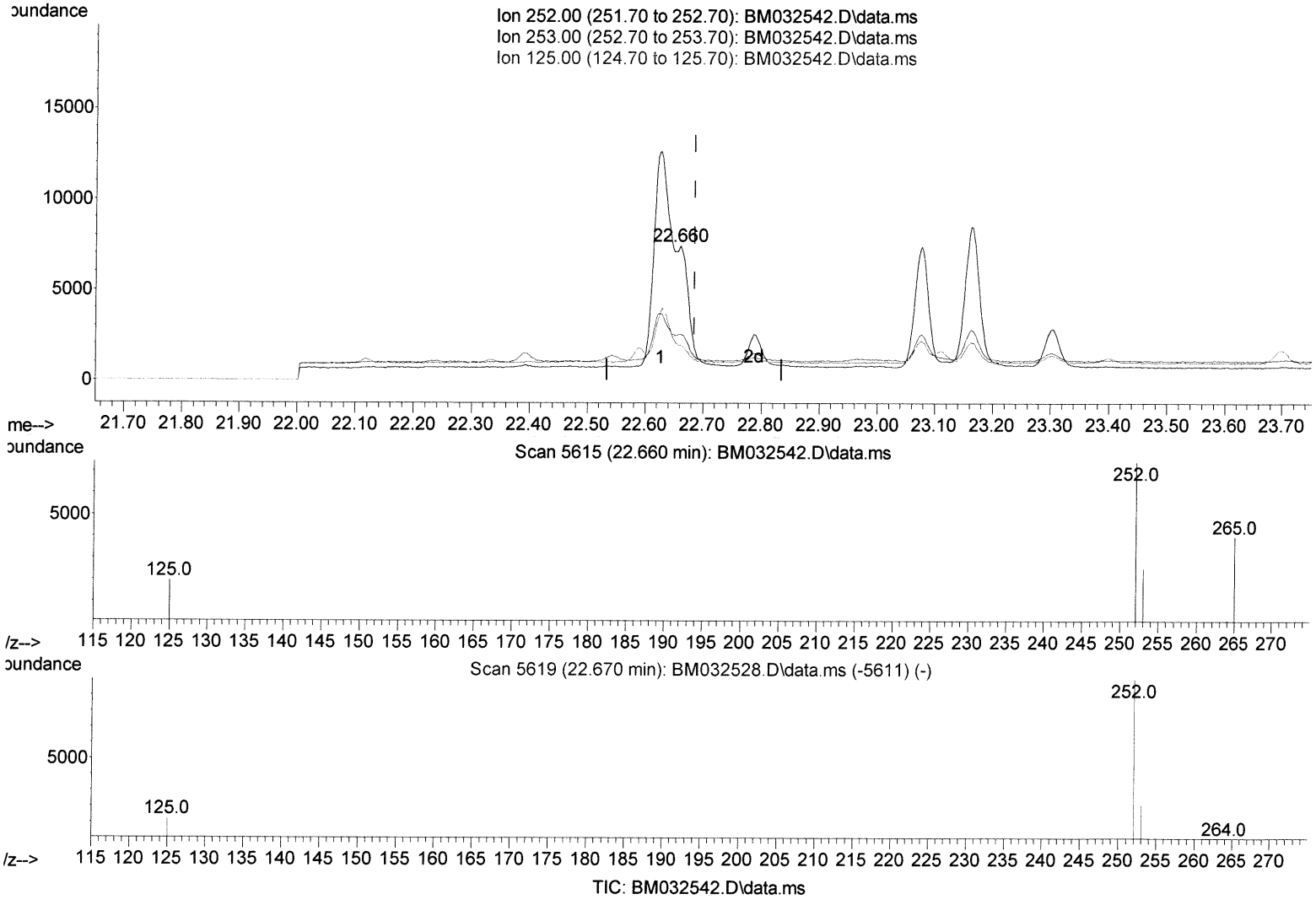
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20 | 29.02 |
| 125.00 | 18.00 | 30.13# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C00R7DL

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:16 PM




(25) Benzo(k)fluoranthene

22.660min (-0.024) 0.17 ng/ul m

response 10409

JLP 10/19/21

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 27.20 | 34.13# |
| 125.00 | 18.00 | 26.10# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032542.D
Acq On : 16 Oct 2021 01:07
Operator : CG/JU
Sample : M4029-12DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C00R7DL

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:16 PM

Quant Time: Oct 18 04:10:27 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 : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.553 | 152 | 7040 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.339 | 136 | 22983 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.209 | 164 | 12472 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.946 | 188 | 24871 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.123 | 240 | 17260 | 0.400 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.256 | 264 | 13299 | 0.400 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.923 | 96 | 3176 | 0.403 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.936 | 152 | 829 | 0.027 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.973 | 212 | 1801 | 0.033 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.389 | 128 | 4733 | 0.068 | ng/ul# | 96 |
| 7) 2-Methylnaphthalene | 12.012 | 142 | 1506 | 0.033 | ng/ul | 97 |
| 8) 1-Methylnaphthalene | 12.233 | 142 | 945 | 0.021 | ng/ul | 100 |
| 10) Acenaphthylene | 13.928 | 152 | 2768 | 0.052 | ng/ul | 98 |
| 12) Fluorene | 15.260 | 166 | 1208 | 0.022 | ng/ul# | 97 |
| 15) Phenanthrene | 16.988 | 178 | 11681 | 0.140 | ng/ul | 99 |
| 16) Anthracene | 17.074 | 178 | 3184 | 0.043 | ng/ul# | 94 |
| 19) Fluoranthene | 19.004 | 202 | 43904 | 0.514 | ng/ul | 99 |
| 20) Pyrene | 19.366 | 202 | 40681 | 0.463 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.106 | 228 | 19619 | 0.291 | ng/ul | 98 |
| 22) Chrysene | 21.157 | 228 | 21087 | 0.284 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.627 | 252 | 24344m | 0.396 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.660 | 252 | 10409m | 0.170 | ng/ul | |
| 26) Benzo(a)pyrene | 23.162 | 252 | 13607 | 0.264 | ng/ul | 93 |
| 27) Indeno(1,2,3-cd)pyrene | 25.357 | 276 | 8842 | 0.140 | ng/ul# | 88 |
| 28) Dibenzo(a,h)anthracene | 25.355 | 278 | 2137 | 0.043 | ng/ul# | 52 |
| 29) Benzo(g,h,i)perylene | 26.004 | 276 | 7724 | 0.141 | ng/ul | 95 |

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

JU 10/29/21