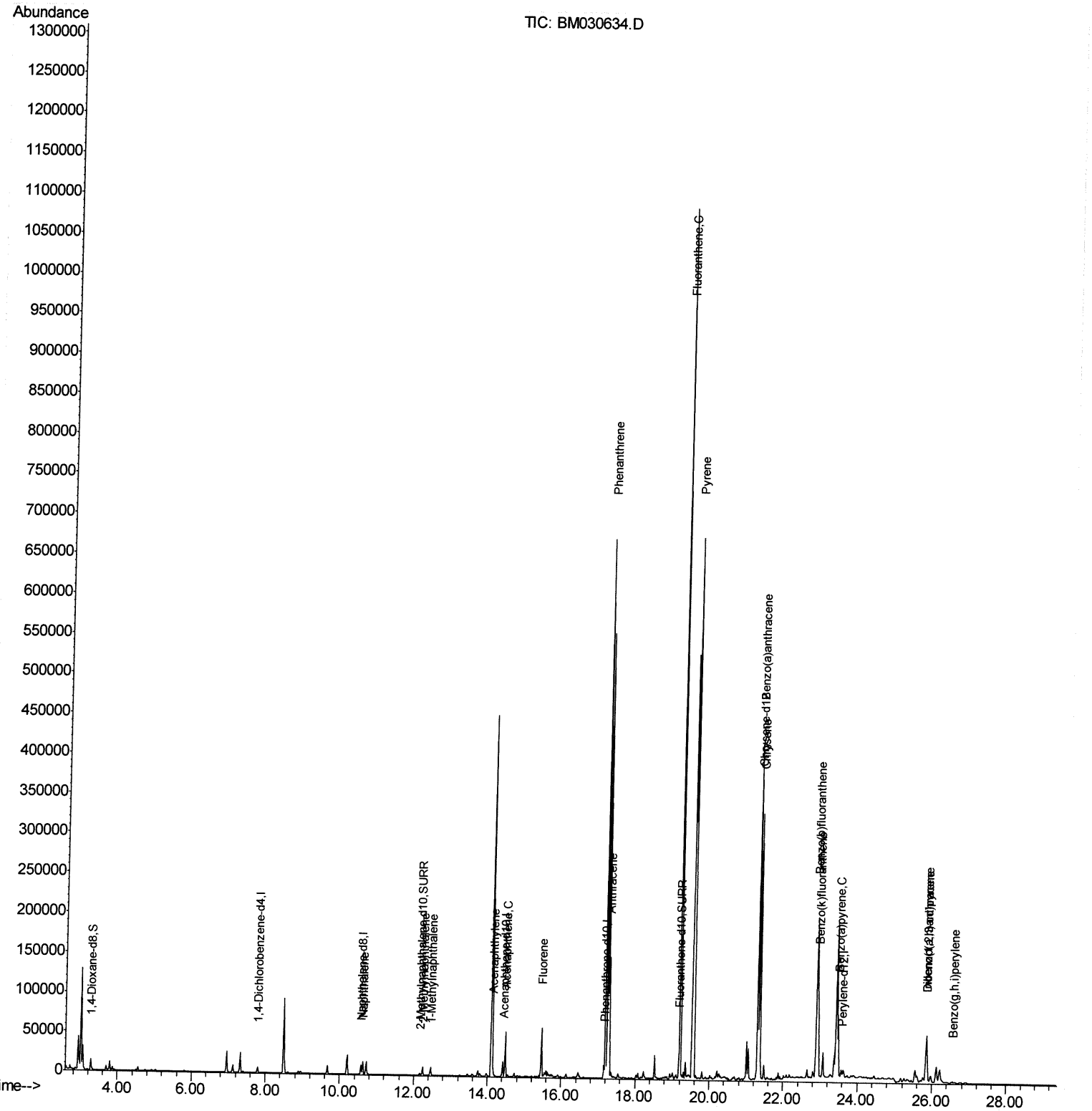
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030634.D
Acq On : 26 Jun 2021 12:49
Operator : CG/JU
Sample : M2682-14
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Jun 27 02:54:47 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGD33

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:44 PM

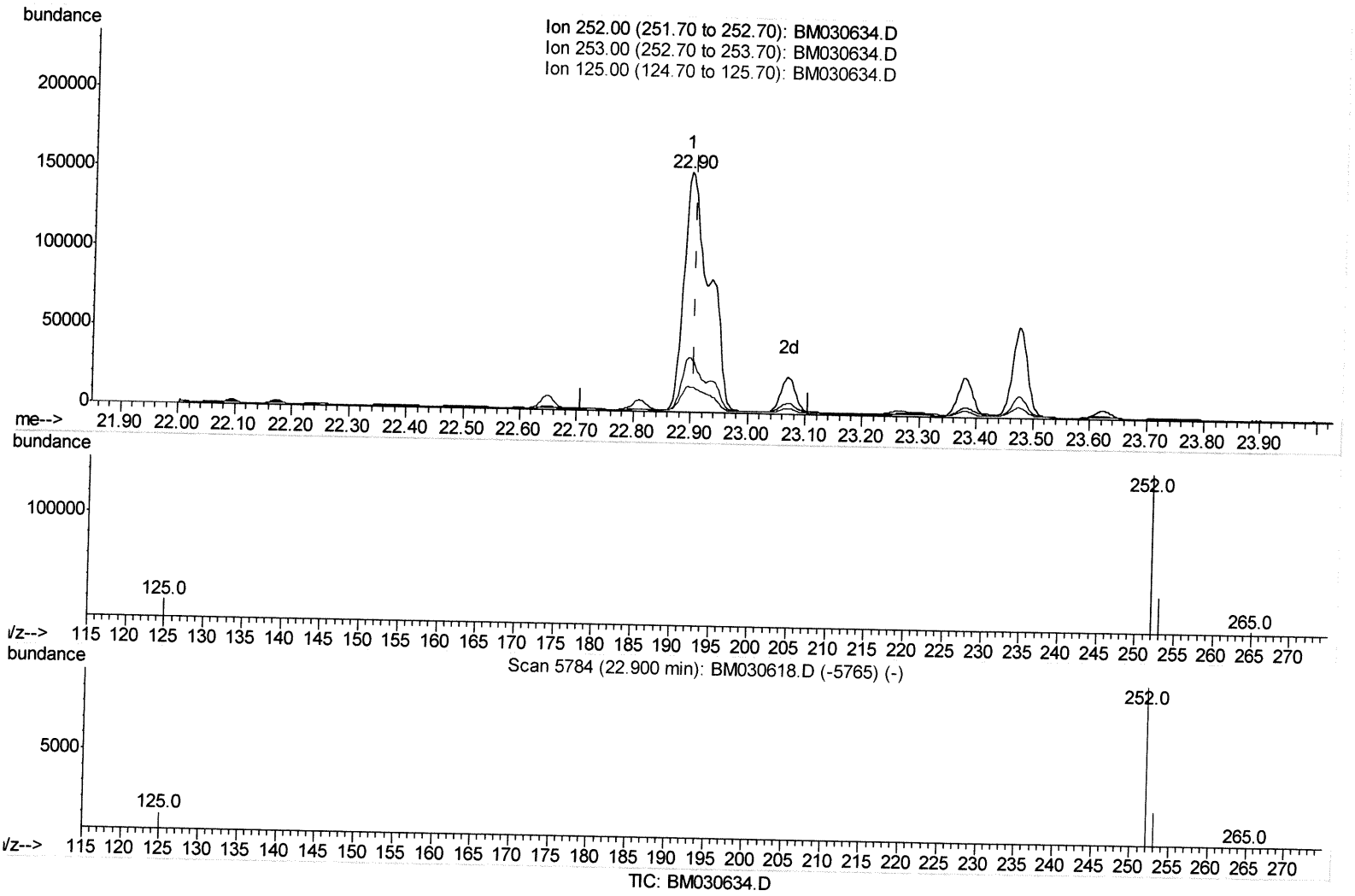


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030634.D
Acq On : 26 Jun 2021 12:49
Operator : CG/JU
Sample : M2682-14
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Jun 27 02:40:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGD33

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:44 PM




(24) Benzo(b)fluoranthene

22.895min (-0.012) 9.35ng/ul

response 465585

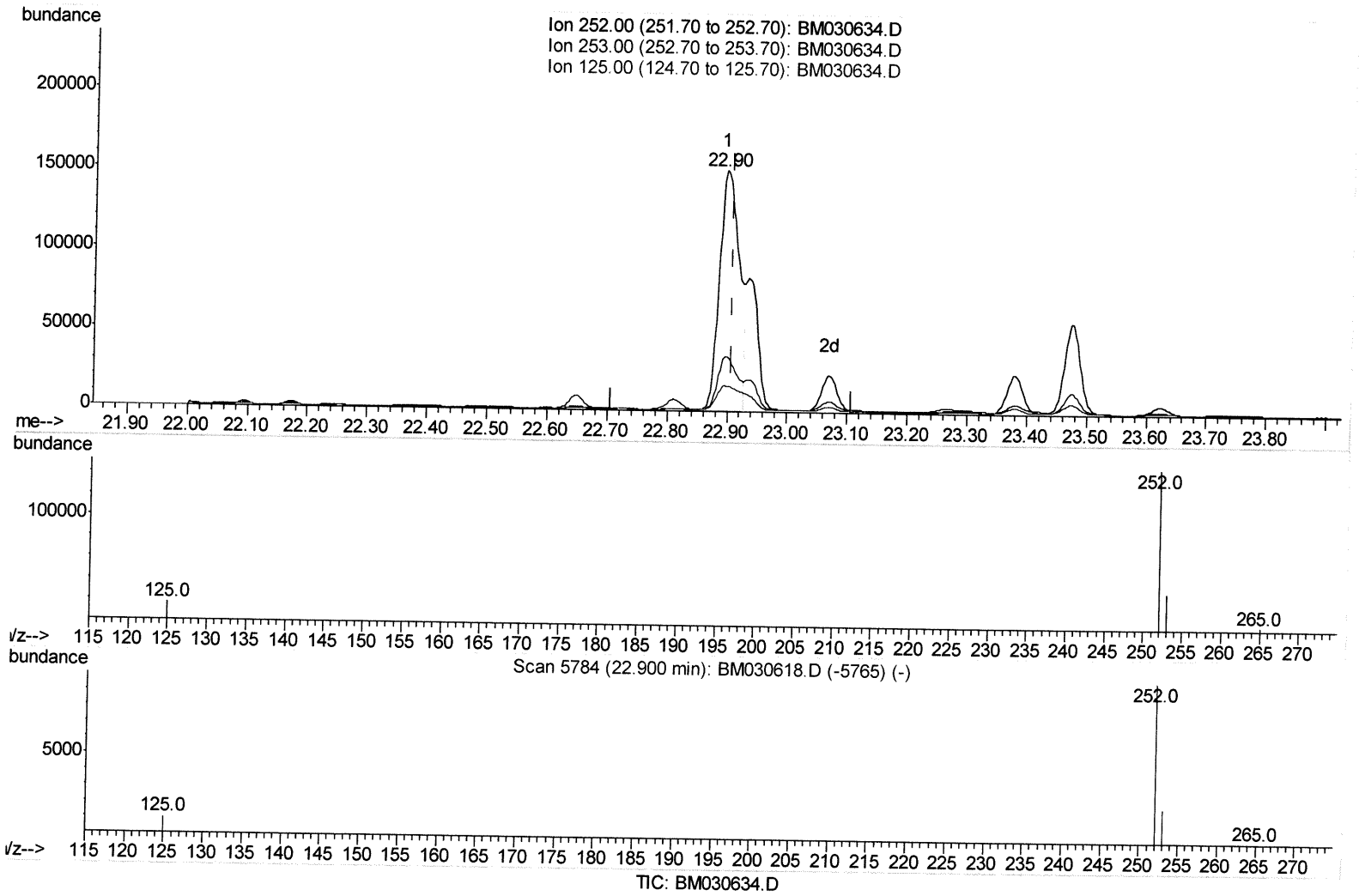
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.10 | 22.95 |
| 125.00 | 13.90 | 10.81 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030634.D
Acq On : 26 Jun 2021 12:49
Operator : CG/JU
Sample : M2682-14
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Jun 27 02:40:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGD33

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:44 PM



TIC: BM030634.D

(24) Benzo(b)fluoranthene

22.895min (-0.012) 6.84ng/ul m JU 6/30/21

response 340622

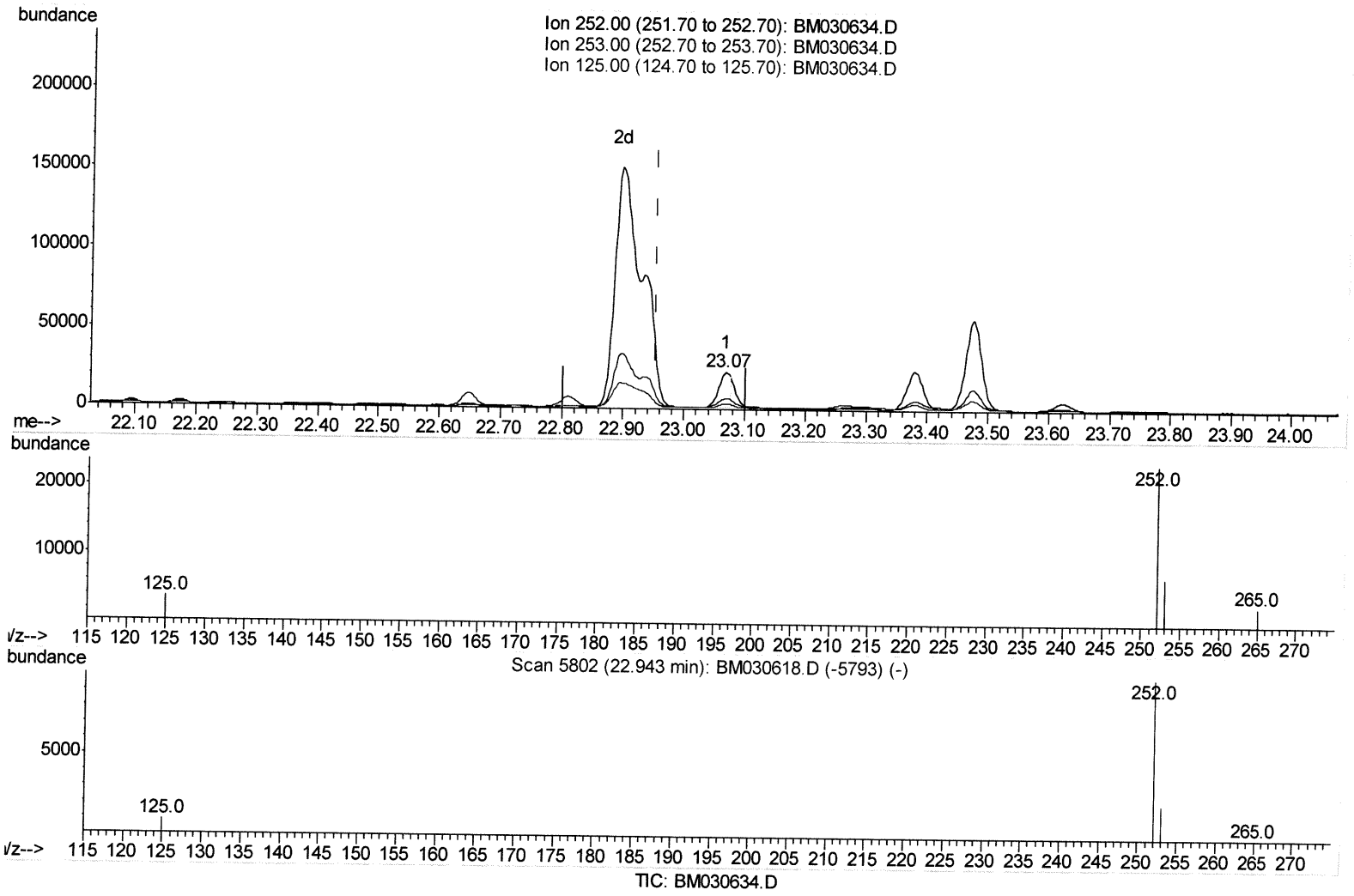
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.10 | 22.95 |
| 125.00 | 13.90 | 10.81 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030634.D
Acq On : 26 Jun 2021 12:49
Operator : CG/JU
Sample : M2682-14
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Jun 27 02:54:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGD33

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:44 PM




(25) Benzo(k)fluoranthene

23.069min (+0.116) 0.56ng/ul

response 29187

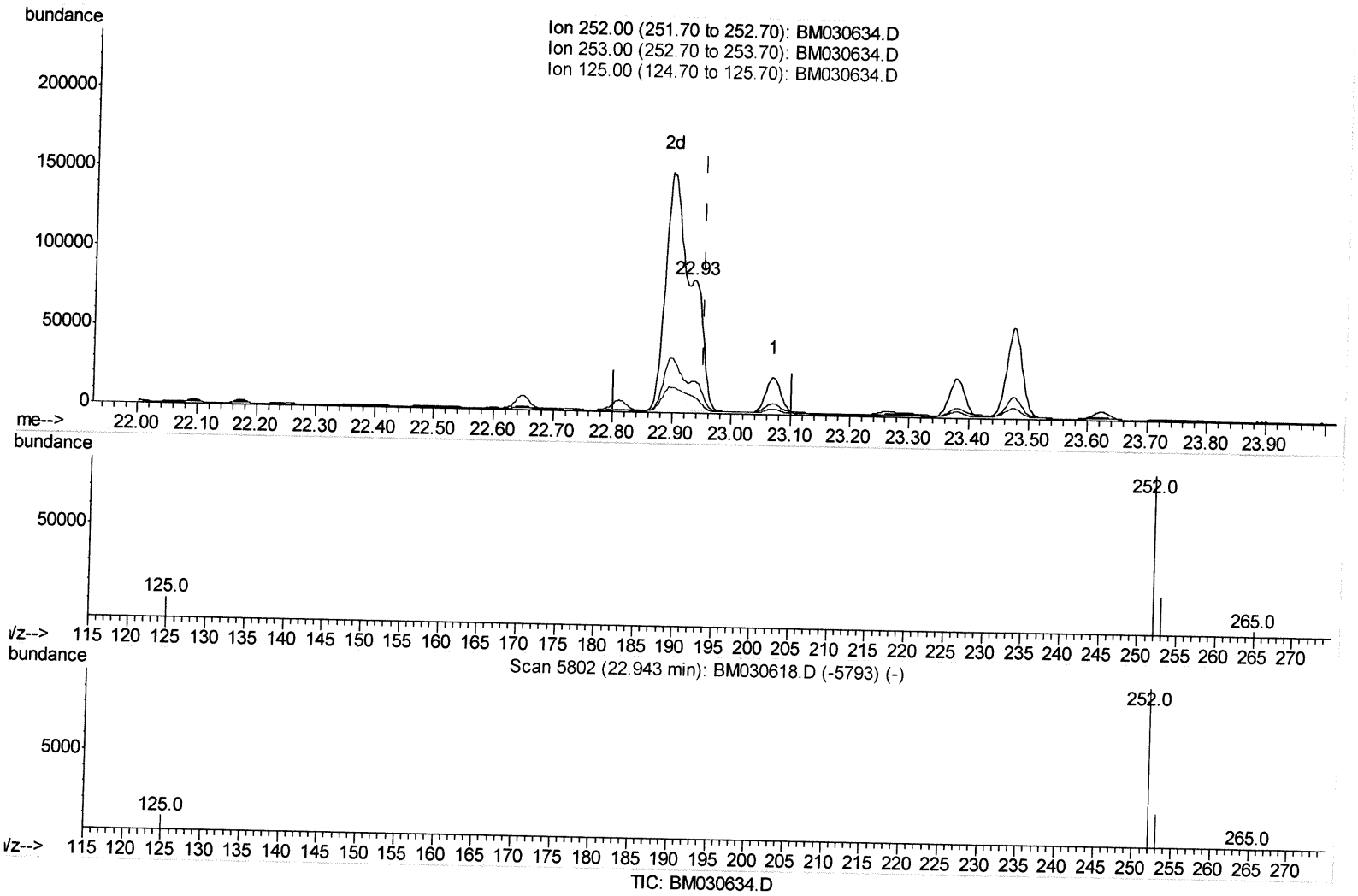
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.80 | 29.68 |
| 125.00 | 13.70 | 15.51 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030634.D
Acq On : 26 Jun 2021 12:49
Operator : CG/JU
Sample : M2682-14
Misc :
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Jun 27 02:54:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGD33

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:44 PM



TIC: BM030634.D

(25) Benzo(k)fluoranthene

22.934min (-0.019) 2.35ng/ul m JU 6/30/21

response 122844

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.80 | 23.86 |
| 125.00 | 13.70 | 12.80 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030634.D
Acq On : 26 Jun 2021 12:49
Operator : CG/JU
Sample : M2682-14
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGD33

Manual Integrations APPROVED
mohammad
6/28/2021 1:22:44 PM

Quant Time: Jun 27 02:54:47 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 25 10:09:59 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 3896 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.58 | 136 | 16255 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.42 | 164 | 9866 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.16 | 188 | 18954 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.32 | 240 | 13326 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.57 | 264 | 11452 | 0.40 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 8684 | 2.08 | ng/ul | -0.01 |
| 6) 2-Methylnaphthalene-d10 | 12.17 | 152 | 3876 | 0.15 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.18 | 212 | 7983 | 0.20 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 10.63 | 128 | 21440 | 0.443 | ng/ul | 100 |
| 7) 2-Methylnaphthalene | 12.24 | 142 | 8403 | 0.258 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.46 | 142 | 7527 | 0.237 | ng/ul | 100 |
| 10) Acenaphthylene | 14.14 | 152 | 15951 | 0.345 | ng/ul | 97 |
| 11) Acenaphthene | 14.48 | 153 | 32270 | 0.858 | ng/ul | 99 |
| 12) Fluorene | 15.46 | 166 | 39119 | 0.939 | ng/ul | 97 |
| 15) Phenanthrene | 17.20 | 178 | 695821 | 10.310 | ng/ul | 99 |
| 16) Anthracene | 17.29 | 178 | 155232 | 2.626 | ng/ul | 99 |
| 19) Fluoranthene | 19.21 | 202 | 936550 | 15.287 | ng/ul | 99 |
| 20) Pyrene | 19.57 | 202 | 572228 | 9.117 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.31 | 228 | 363153 | 6.860 | ng/ul | 99 |
| 22) Chrysene | 21.36 | 228 | 315465 | 5.368 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.90 | 252 | 340622m | 6.838 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.93 | 252 | 122844m | 2.351 | ng/ul | JU 6/30/21 |
| 26) Benzo(a)pyrene | 23.47 | 252 | 104241 | 2.358 | ng/ul# | 91 |
| 27) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 86302 | 1.535 | ng/ul# | 95 |
| 28) Dibenzo(a,h)anthracene | 25.86 | 278 | 36054 | 0.804 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 26.55 | 276 | 3826 | 0.079 | ng/ul# | 70 |

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