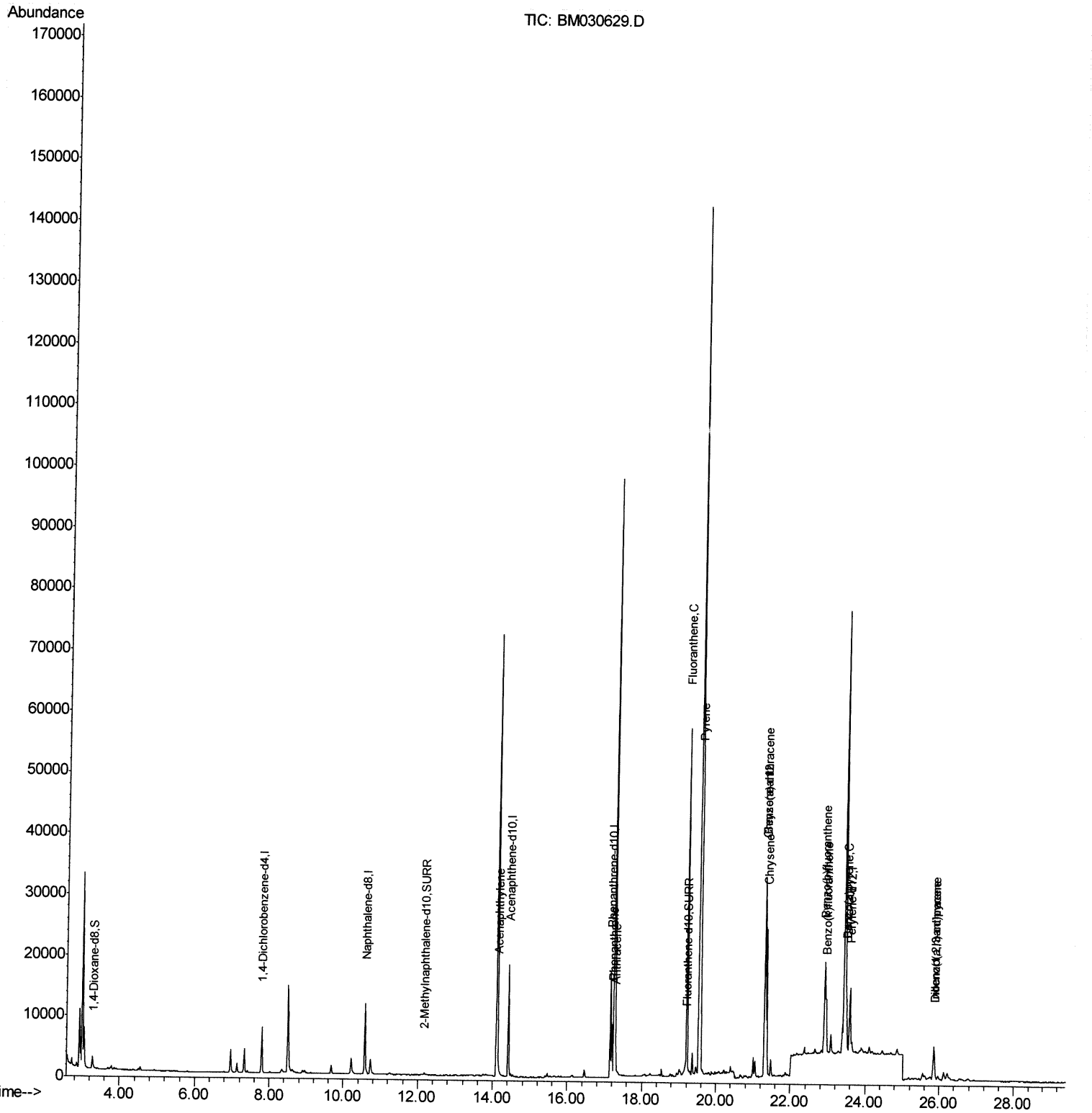
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030629.D
Acq On : 26 Jun 2021 09:06
Operator : CG/JU
Sample : M2682-09DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 27 02:27:21 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 :**
BGDA0DL

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:26 PM

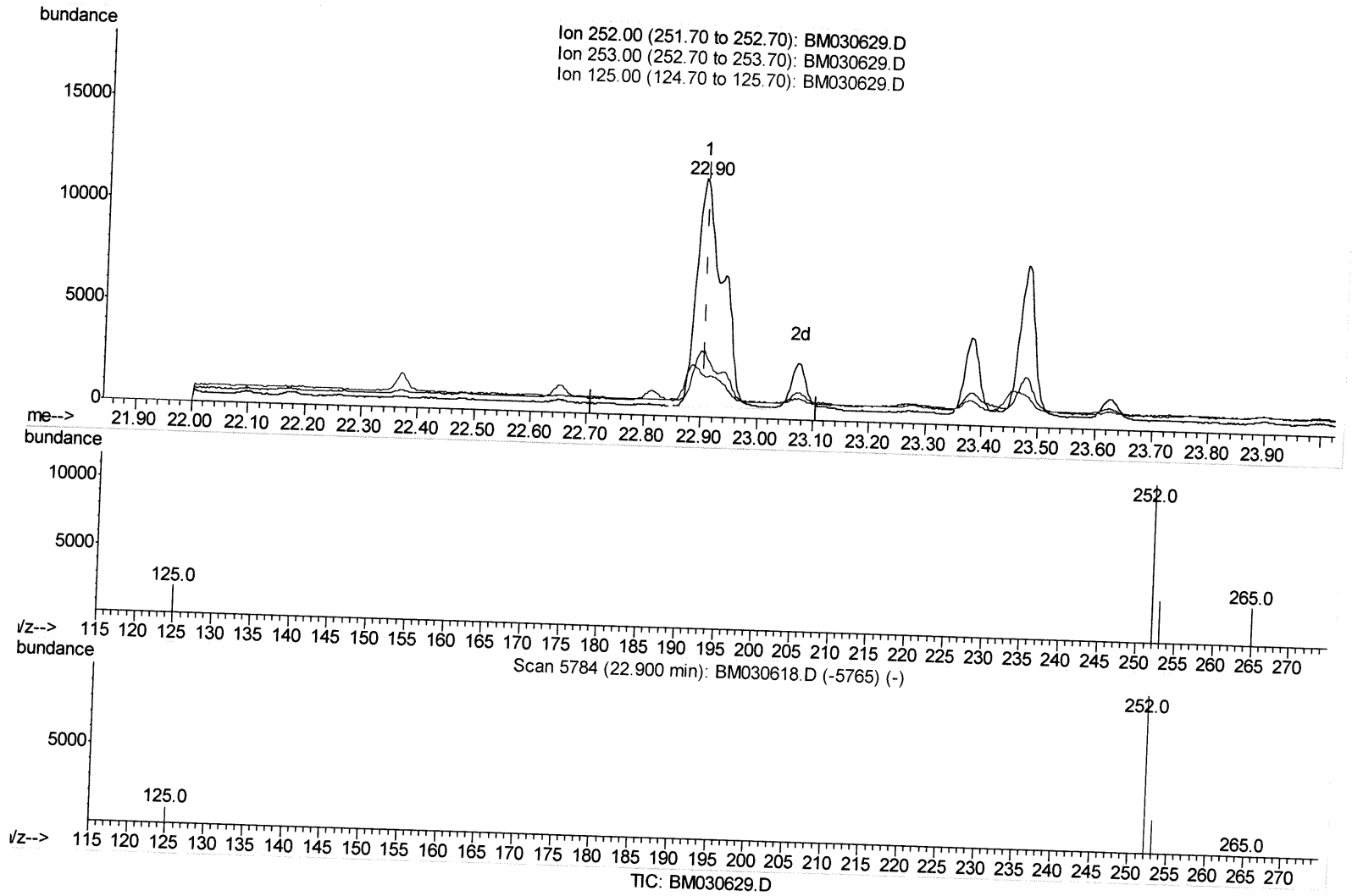


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030629.D
Acq On : 26 Jun 2021 09:06
Operator : CG/JU
Sample : M2682-09DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 27 02:24:28 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 :**
BGDA0DL

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:26 PM







Scan 5784 (22.900 min): BM030618.D (-5765) (-)




TIC: BM030629.D

(24) Benzo(b)fluoranthene

22.902min (-0.005) 0.55ng/ul

response 35880

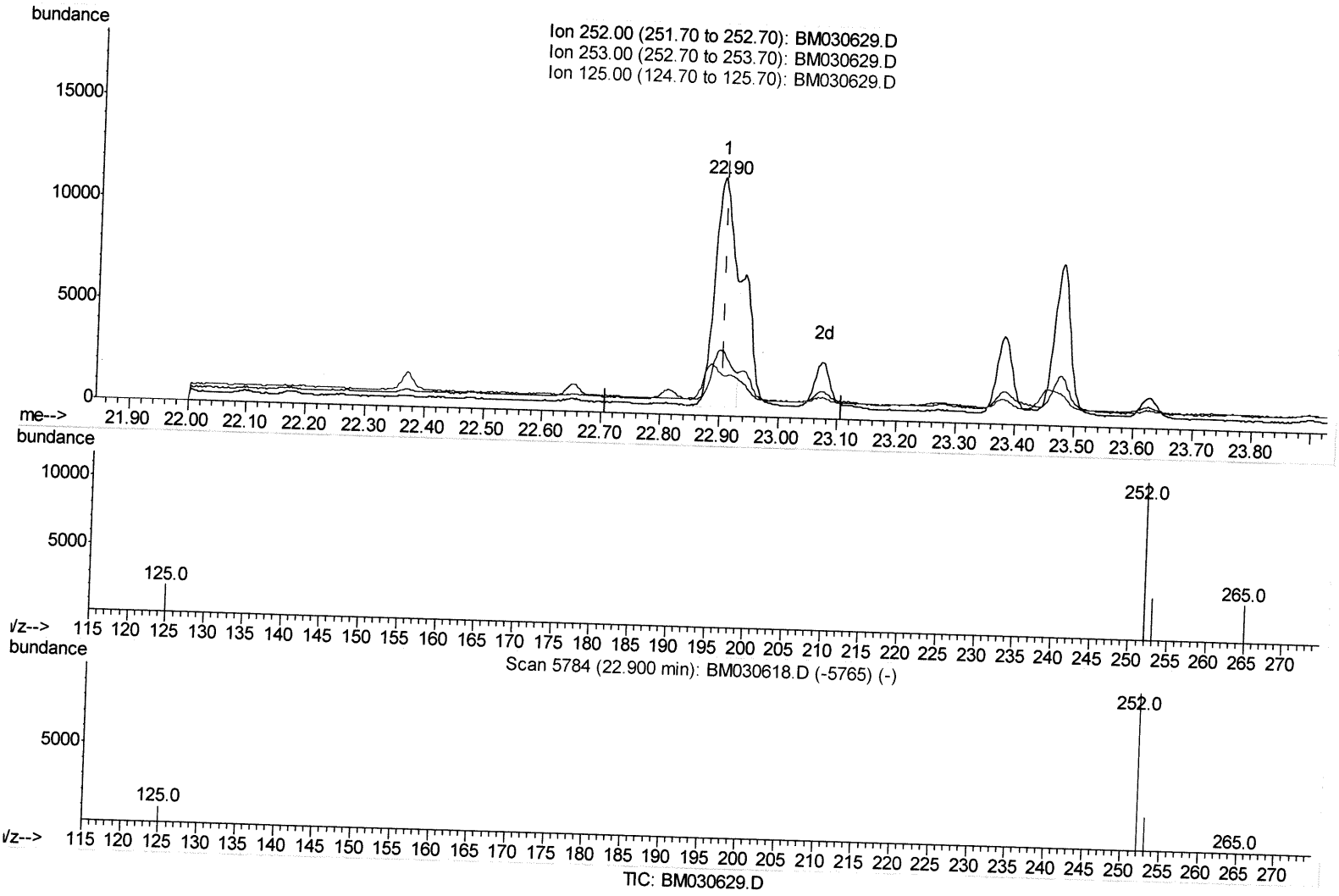
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.10 | 27.47 |
| 125.00 | 13.90 | 17.79 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030629.D
Acq On : 26 Jun 2021 09:06
Operator : CG/JU
Sample : M2682-09DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 27 02:24:28 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 :**
BGDA0DL

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:26 PM




(24) Benzo(b)fluoranthene

22.902min (-0.005) 0.40ng/ul m

response 25982

JU 6/30/21

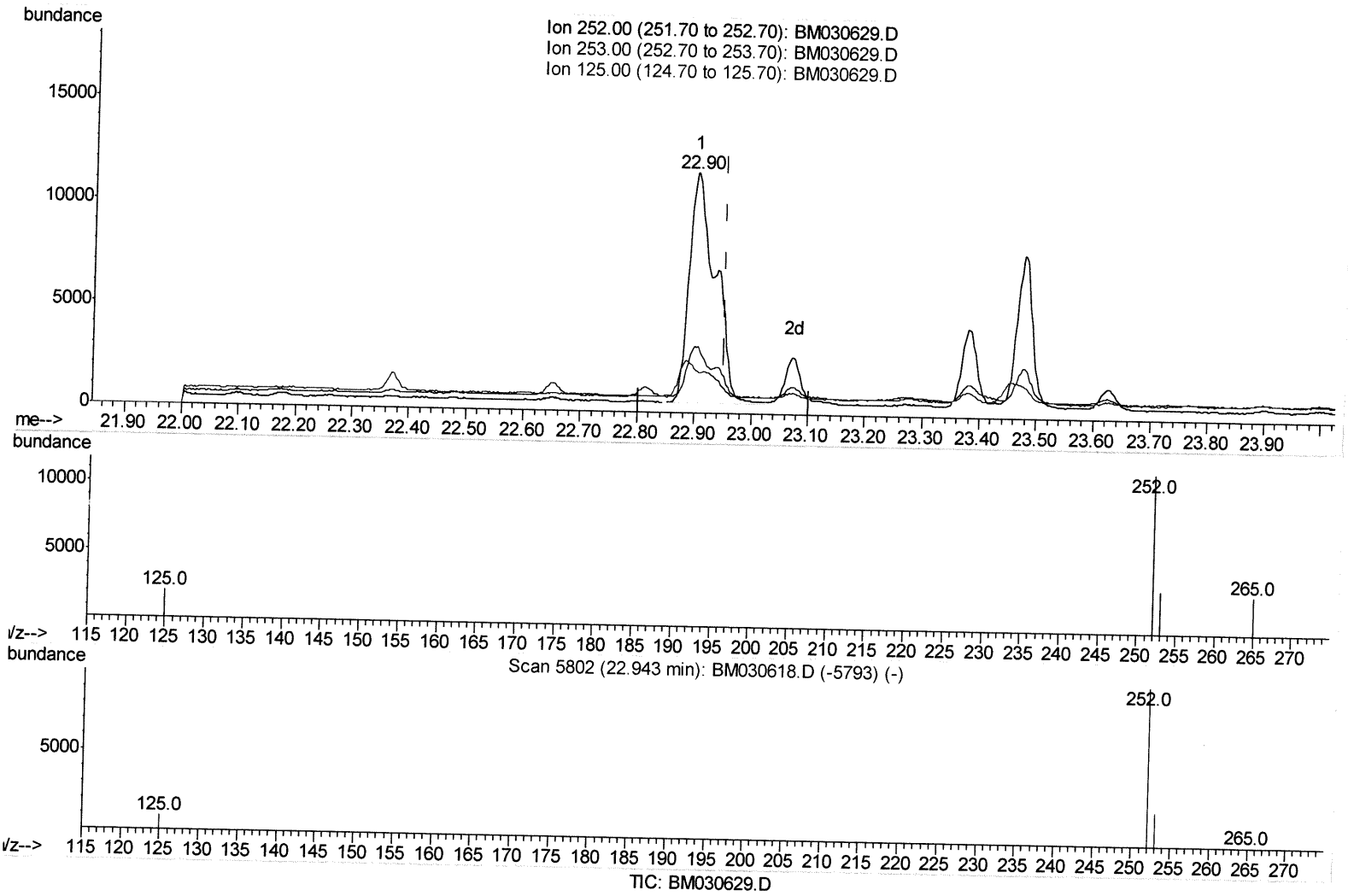
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.10 | 27.47 |
| 125.00 | 13.90 | 17.79 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030629.D
Acq On : 26 Jun 2021 09:06
Operator : CG/JU
Sample : M2682-09DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 27 02:26:21 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 :**
BGDA0DL

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:26 PM




(25) Benzo(k)fluoranthene

22.902min (-0.051) 0.53ng/ul

response 35880

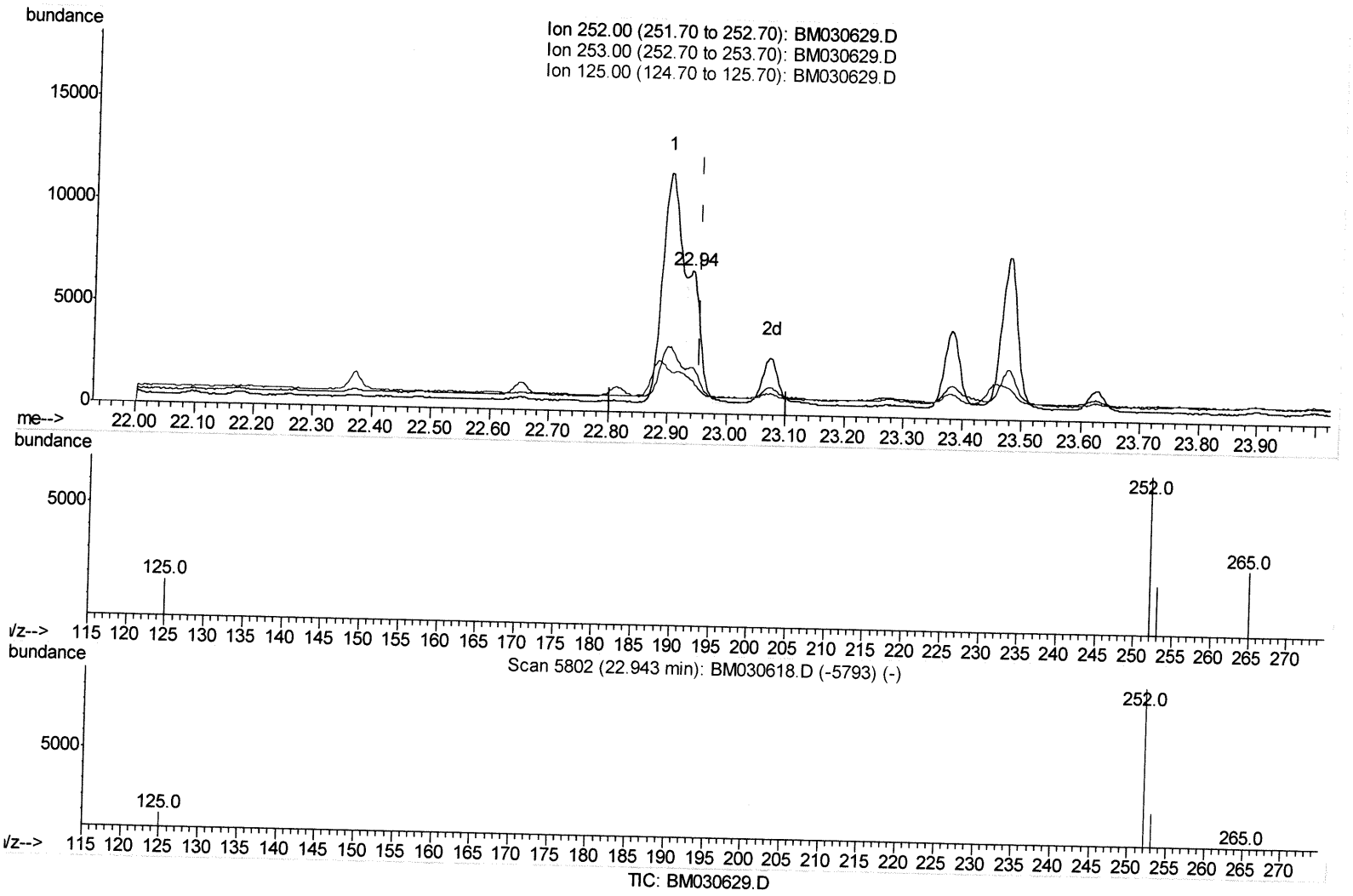
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.80 | 27.47 |
| 125.00 | 13.70 | 17.79# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030629.D
Acq On : 26 Jun 2021 09:06
Operator : CG/JU
Sample : M2682-09DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 27 02:26:21 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 :**
BGDA0DL

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:26 PM




(25) Benzo(k)fluoranthene

22.939min (-0.014) 0.14ng/ul m JU 6/30/21

response 9664

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.80 | 32.14# |
| 125.00 | 13.70 | 23.94# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030629.D
Acq On : 26 Jun 2021 09:06
Operator : CG/JU
Sample : M2682-09DL 5X
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDA0DL

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:22:26 PM

Quant Time: Jun 27 02:27:21 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 | 4082 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.58 | 136 | 16763 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.42 | 164 | 10430 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.16 | 188 | 21062 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.32 | 240 | 16681 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.58 | 264 | 14934 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 1596 | 0.37 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.18 | 152 | 698 | 0.03 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.18 | 212 | 1895 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 10) Acenaphthylene | 14.14 | 152 | 1101 | 0.023 | ng/ul# | 82 |
| 15) Phenanthrene | 17.20 | 178 | 9606 | 0.128 | ng/ul | 98 |
| 16) Anthracene | 17.29 | 178 | 3937 | 0.060 | ng/ul# | 94 |
| 19) Fluoranthene | 19.21 | 202 | 50511 | 0.659 | ng/ul | 97 |
| 20) Pyrene | 19.57 | 202 | 39845 | 0.507 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.31 | 228 | 25161 | 0.380 | ng/ul | 97 |
| 22) Chrysene | 21.36 | 228 | 22832 | 0.310 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 22.90 | 252 | 25982m | 0.400 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.94 | 252 | 9664m | 0.142 | ng/ul | |
| 26) Benzo(a)pyrene | 23.48 | 252 | 14050 | 0.244 | ng/ul | 93 |
| 27) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 8948 | 0.122 | ng/ul# | 93 |
| 28) Dibenzo(a,h)anthracene | 25.86 | 278 | 2601 | 0.044 | ng/ul# | 50 |

JU 6/30/21

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