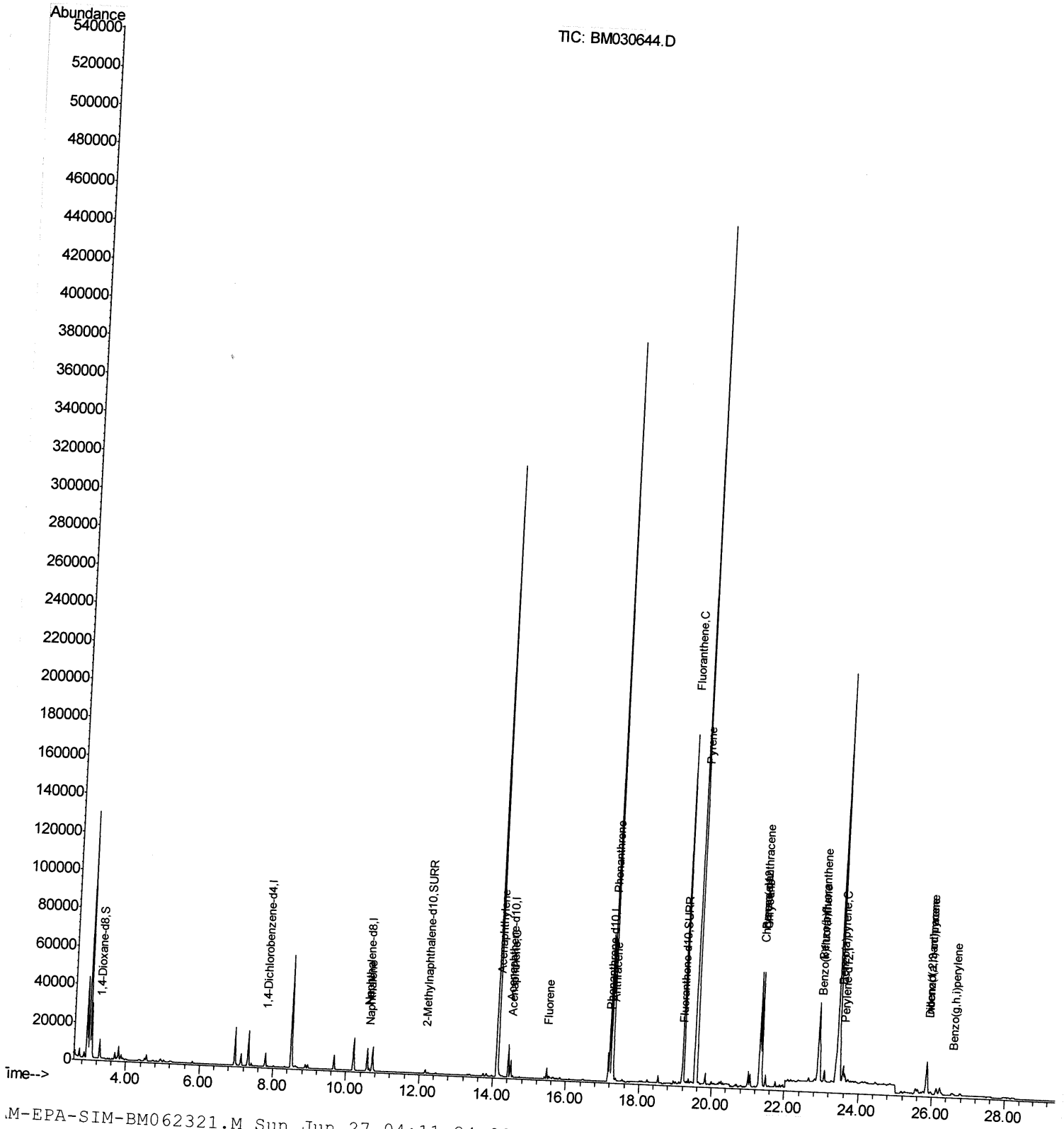
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030644.D
Acq On : 26 Jun 2021 18:57
Operator : CG/JU
Sample : M2682-17
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 27 04:10:23 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 :**
BGDC5

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:23:18 PM

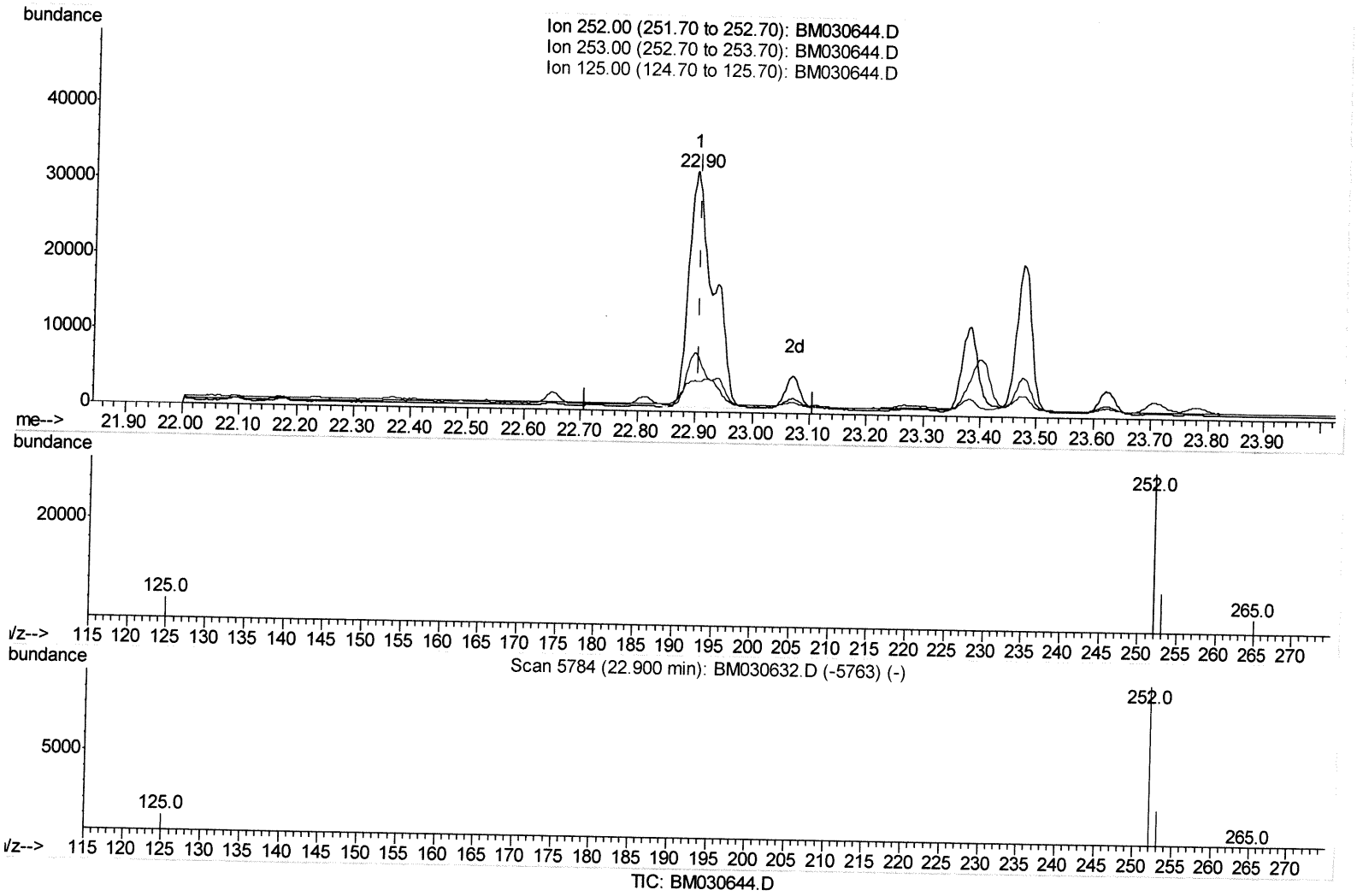


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030644.D
Acq On : 26 Jun 2021 18:57
Operator : CG/JU
Sample : M2682-17
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 27 02:42:16 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 :**
BGDC5

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:23:18 PM




(24) Benzo(b)fluoranthene

22.900min (-0.007) 1.85ng/ul

response 93603

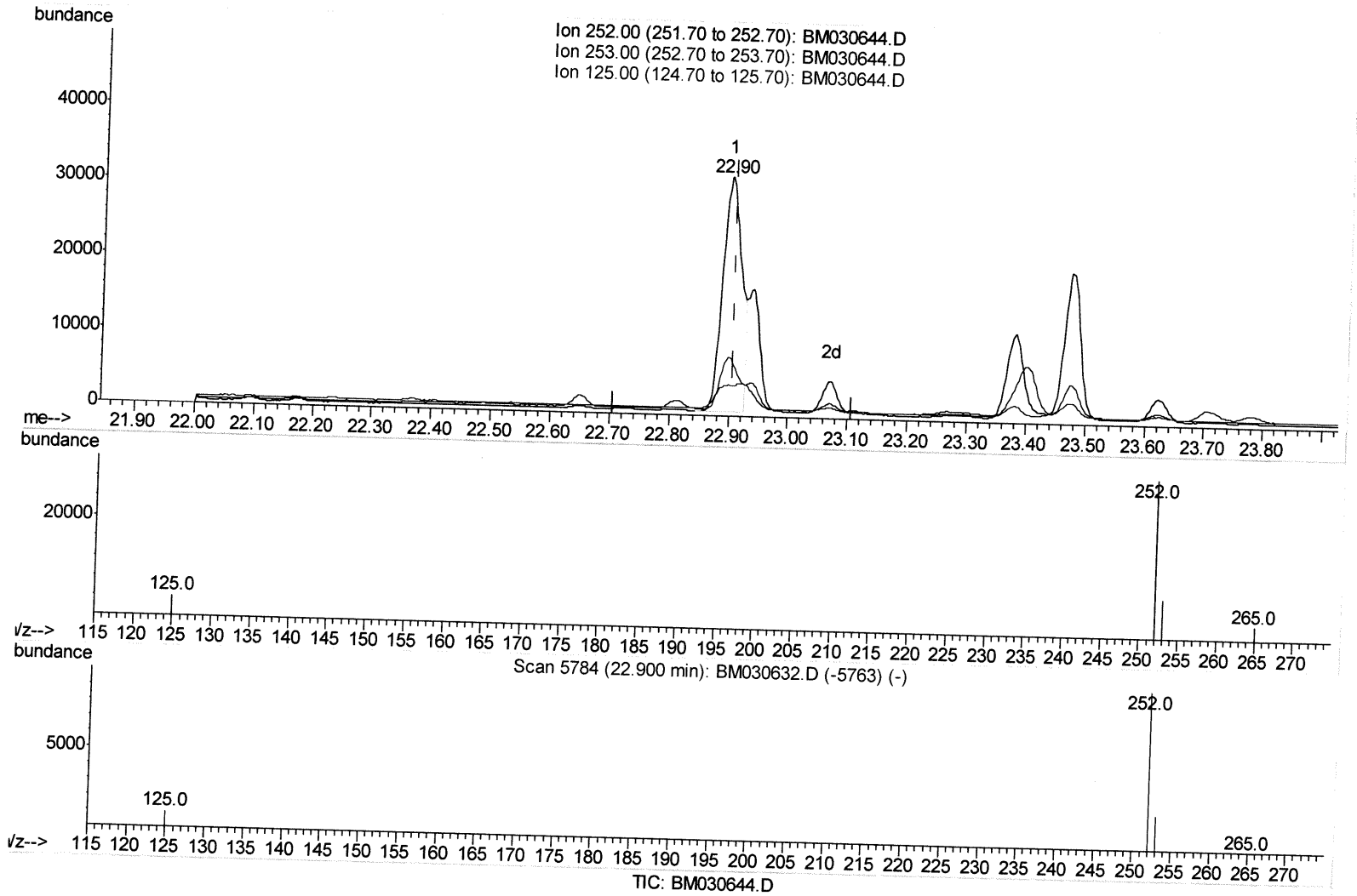
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.10 | 24.78 |
| 125.00 | 13.90 | 12.99 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030644.D
Acq On : 26 Jun 2021 18:57
Operator : CG/JU
Sample : M2682-17
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 27 02:42:16 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 :**
BGDC5

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:23:18 PM




(24) Benzo(b)fluoranthene

22.900min (-0.007) 1.35ng/ul m

response 68363

JG 6/30/21

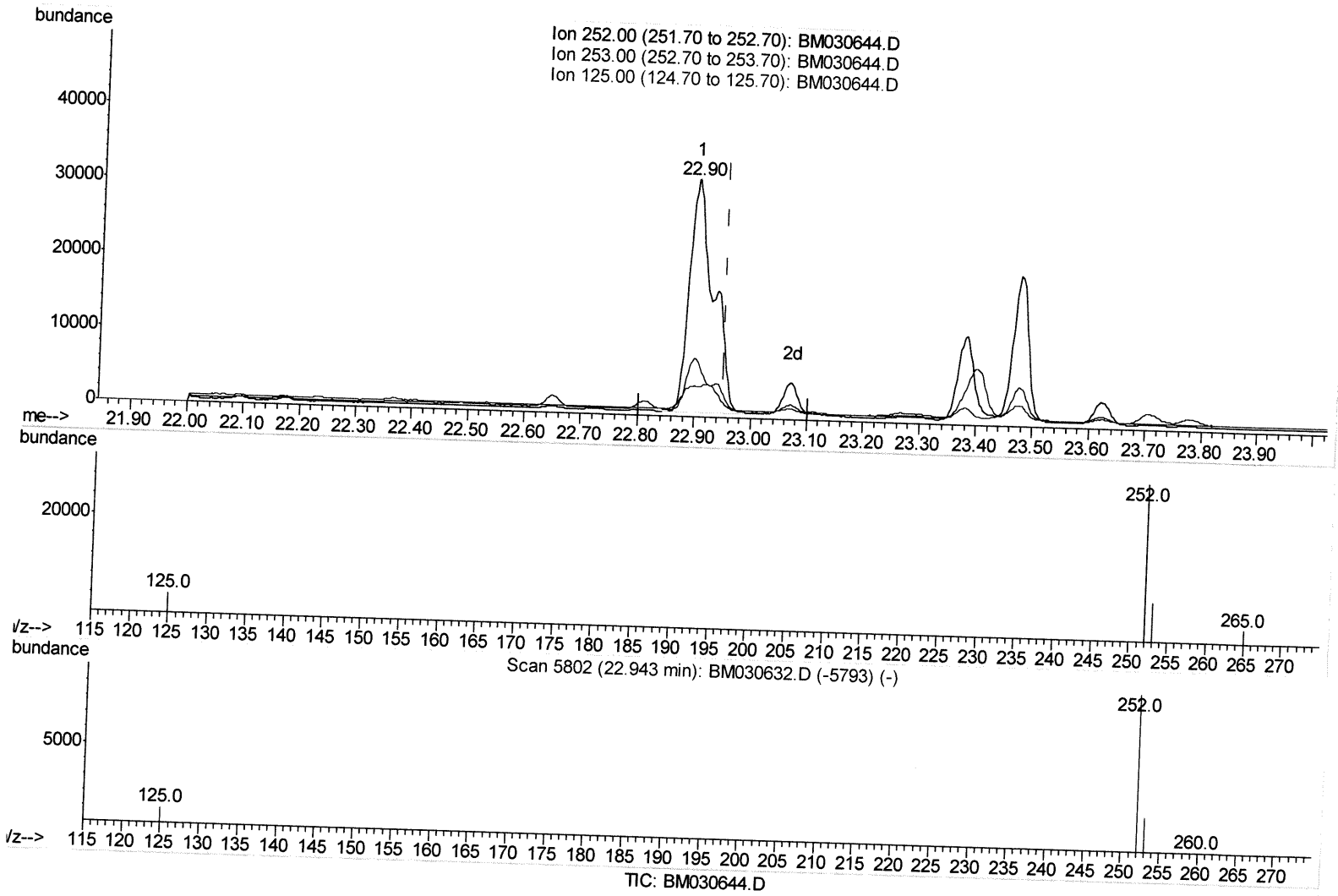
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.10 | 24.78 |
| 125.00 | 13.90 | 12.99 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030644.D
Acq On : 26 Jun 2021 18:57
Operator : CG/JU
Sample : M2682-17
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 27 04:09:11 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 :**
BGDC5

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:23:18 PM




(25) Benzo(k)fluoranthene

22.900min (-0.053) 1.76ng/ul

response 93603

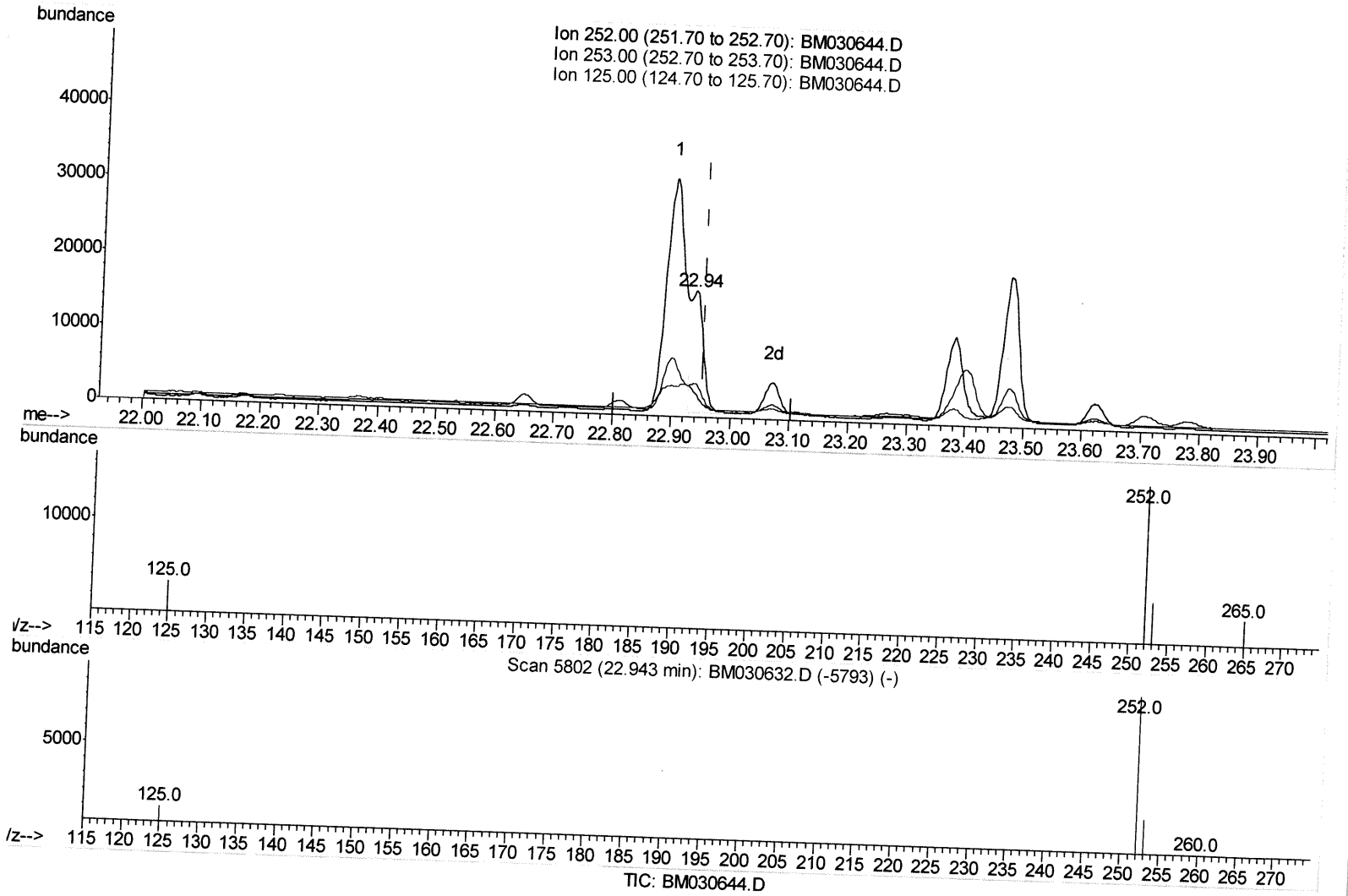
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.80 | 24.78 |
| 125.00 | 13.70 | 12.99 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030644.D
Acq On : 26 Jun 2021 18:57
Operator : CG/JU
Sample : M2682-17
Misc :
ALS Vial : 56 Sample Multiplier: 1

Quant Time: Jun 27 04:09:11 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 :**
BGDC5

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:23:18 PM




(25) Benzo(k)fluoranthene

22.939min (-0.014) 0.47ng/ul m JU 6/28/21

response 24949

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 25.80 | 26.87 |
| 125.00 | 13.70 | 20.01# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062521\
Data File : BM030644.D
Acq On : 26 Jun 2021 18:57
Operator : CG/JU
Sample : M2682-17
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BGDC5

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:23:18 PM

Quant Time: Jun 27 04:10:23 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 | 3751 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.58 | 136 | 15692 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.42 | 164 | 9559 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.16 | 188 | 17890 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.32 | 240 | 11637 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.58 | 264 | 11628 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 6947 | 1.73 | ng/ul | -0.01 |
| 6) 2-Methylnaphthalene-d10 | 12.17 | 152 | 2841 | 0.11 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.18 | 212 | 6402 | 0.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 10.63 | 128 | 1846 | 0.040 | ng/ul# | 88 |
| 10) Acenaphthylene | 14.14 | 152 | 2221 | 0.050 | ng/ul# | 88 |
| 11) Acenaphthene | 14.48 | 153 | 5407 | 0.148 | ng/ul | 97 |
| 12) Fluorene | 15.46 | 166 | 3649 | 0.090 | ng/ul | 98 |
| 15) Phenanthrene | 17.20 | 178 | 78729 | 1.236 | ng/ul | 99 |
| 16) Anthracene | 17.29 | 178 | 9398 | 0.168 | ng/ul | 97 |
| 19) Fluoranthene | 19.21 | 202 | 159648 | 2.984 | ng/ul | 98 |
| 20) Pyrene | 19.57 | 202 | 119058 | 2.172 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.31 | 228 | 51388 | 1.112 | ng/ul | 97 |
| 22) Chrysene | 21.36 | 228 | 58050 | 1.131 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 22.90 | 252 | 68363m | 1.352 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.94 | 252 | 24949m | 0.470 | ng/ul | 96 6/30/21 |
| 26) Benzo(a)pyrene | 23.47 | 252 | 37149 | 0.828 | ng/ul | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 27221 | 0.477 | ng/ul# | 92 |
| 28) Dibenzo(a,h)anthracene | 25.86 | 278 | 7745 | 0.170 | ng/ul# | 79 |
| 29) Benzo(g,h,i)perylene | 26.56 | 276 | 2906 | 0.059 | ng/ul# | 69 |

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