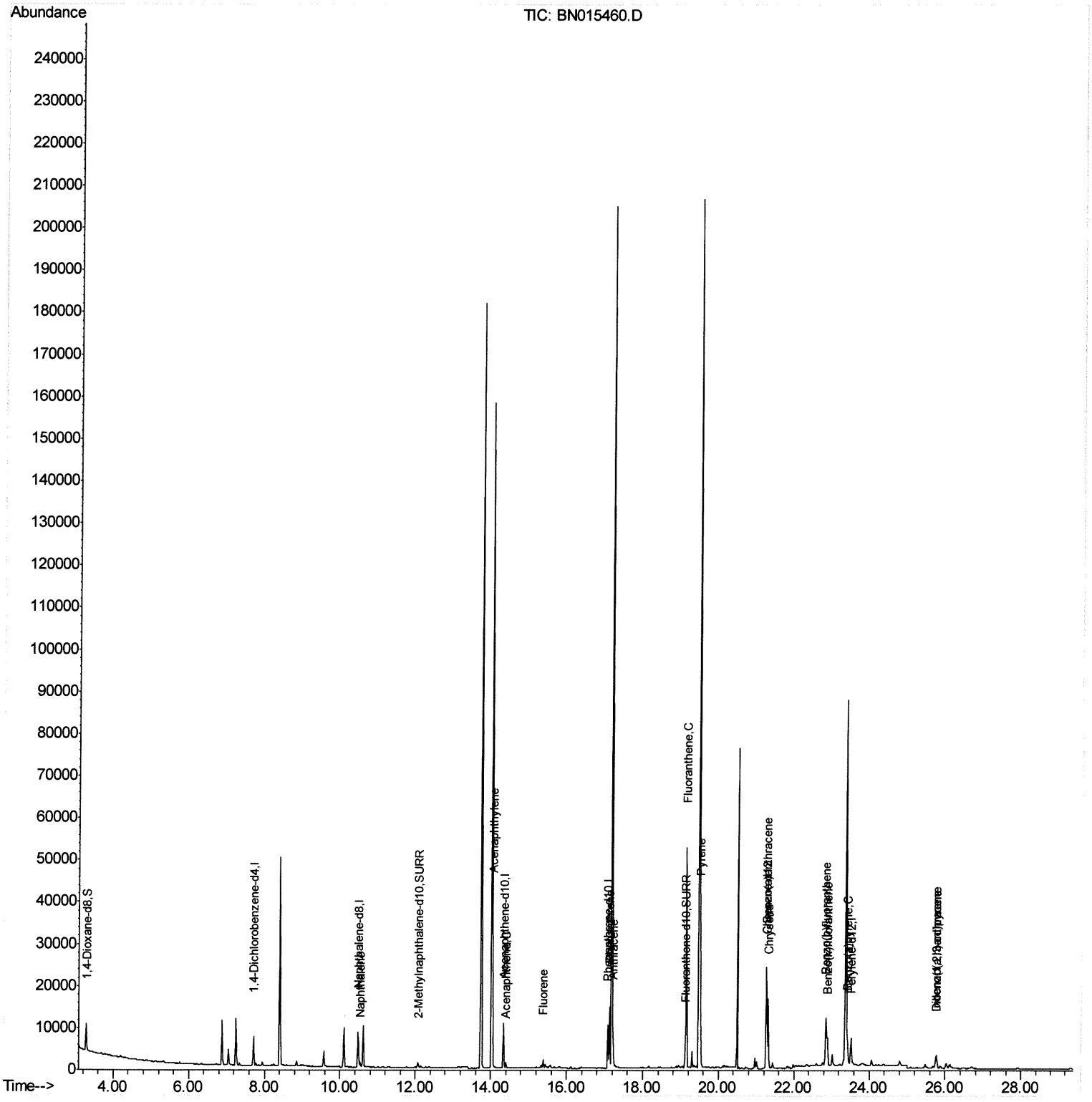
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015460.D
Acq On : 09 Jul 2021 23:39
Operator : CG/JU
Sample : M2854-15DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 02:44:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDT9DL

**Manual Integrations APPROVED**
mohammad
7/12/2021 9:33:31 AM

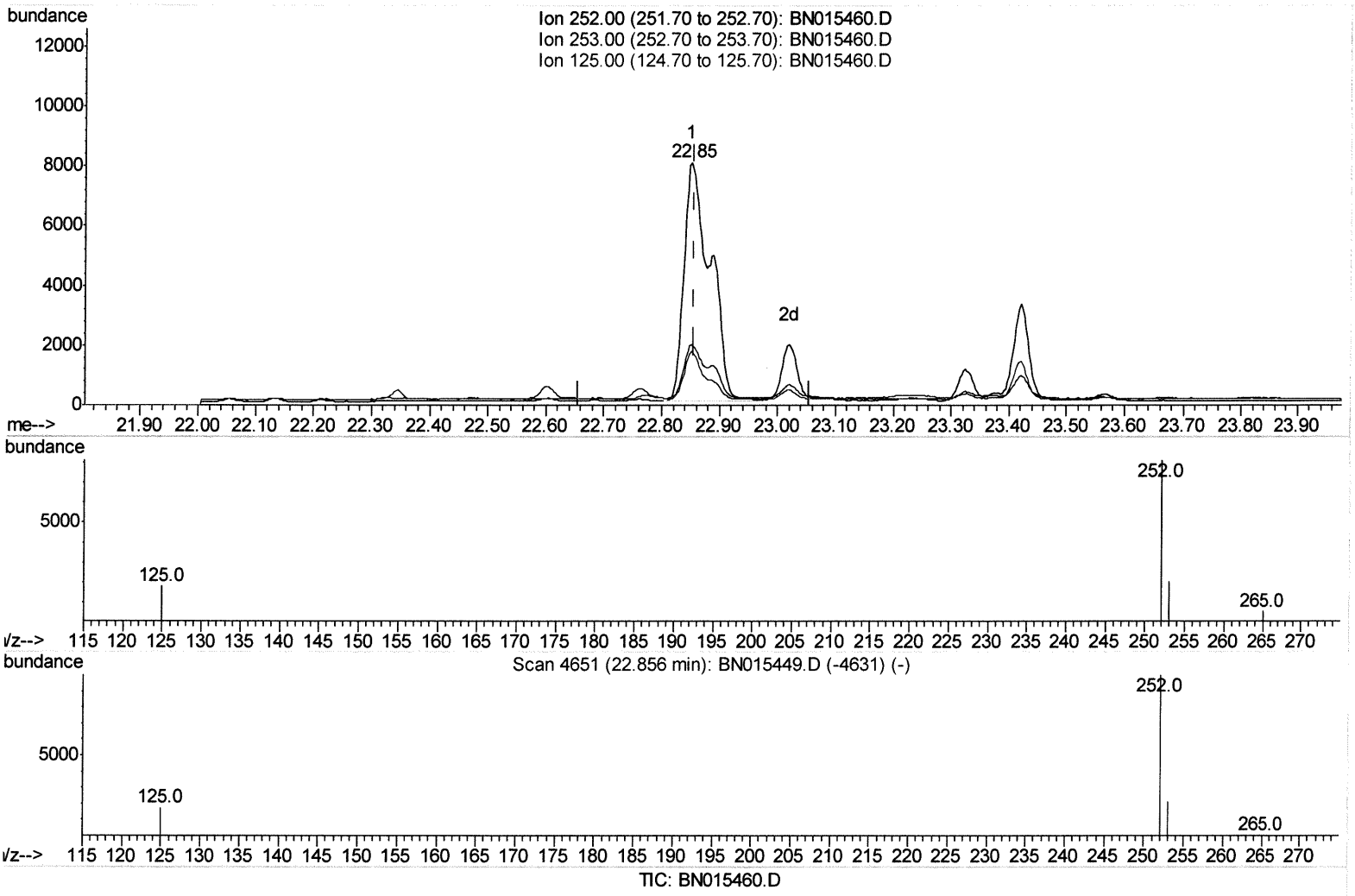


Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015460.D
Acq On : 09 Jul 2021 23:39
Operator : CG/JU
Sample : M2854-15DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 00:28:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDT9DL

**Manual Integrations APPROVED**
mohammad
7/12/2021 9:33:31 AM



TIC: BN015460.D

(24) Benzo(b)fluoranthene

22.851min (-0.005) 0.65ng/ul

response 25181

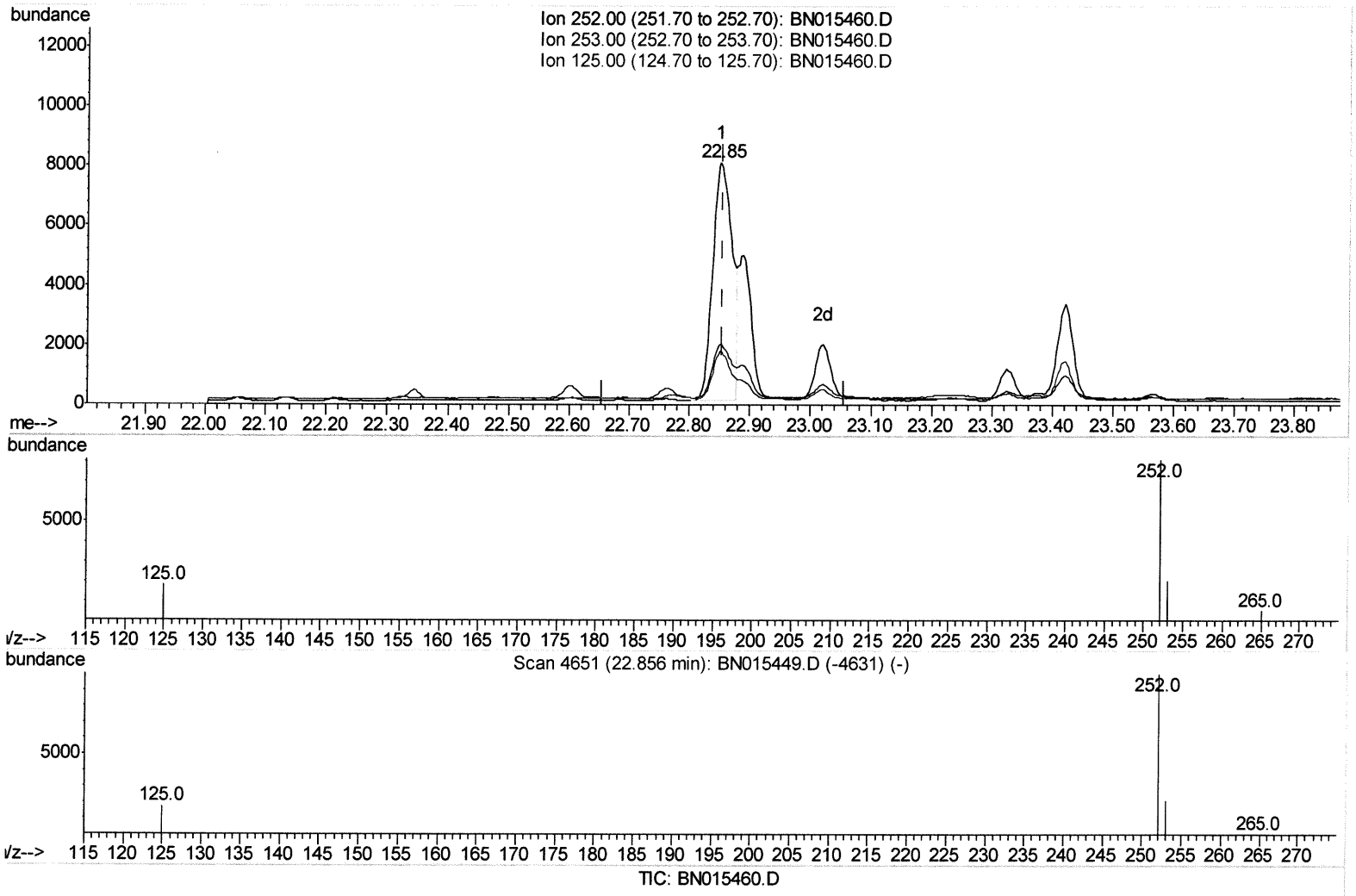
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.80 | 24.89 |
| 125.00 | 14.20 | 22.18 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015460.D
Acq On : 09 Jul 2021 23:39
Operator : CG/JU
Sample : M2854-15DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 00:28:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDT9DL

**Manual Integrations APPROVED**
mohammad
7/12/2021 9:33:31 AM



TIC: BN015460.D

(24) Benzo(b)fluoranthene

22.851min (-0.005) 0.45ng/ul m

response 17582

J47 7/14/21

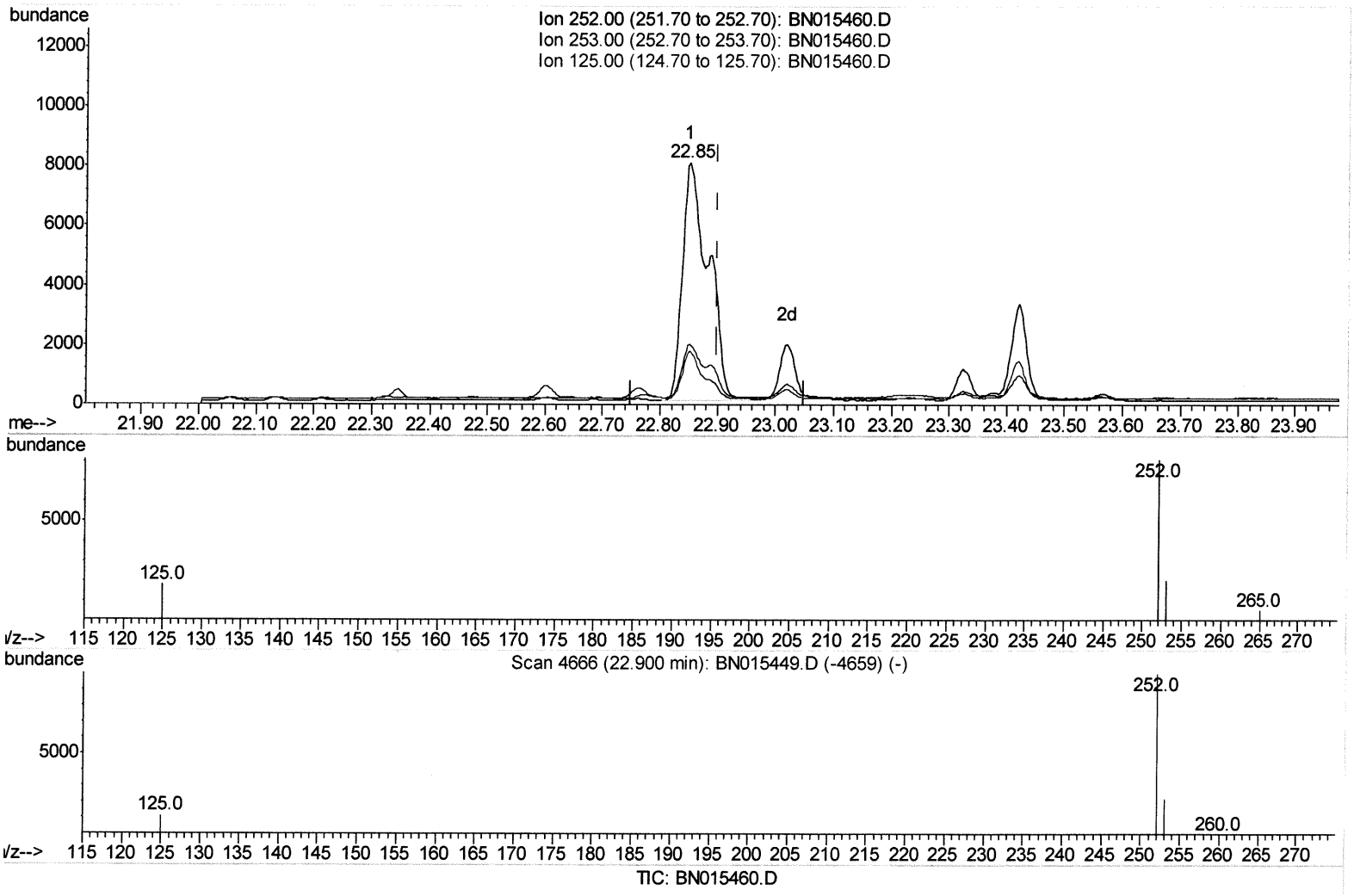
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.80 | 24.89 |
| 125.00 | 14.20 | 22.18 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015460.D
Acq On : 09 Jul 2021 23:39
Operator : CG/JU
Sample : M2854-15DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 02:43:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDT9DL

**Manual Integrations APPROVED**
mohammad
7/12/2021 9:33:31 AM




TIC: BN015460.D

(25) Benzo(k)fluoranthene

22.851min (-0.049) 0.57ng/ul

response 25181

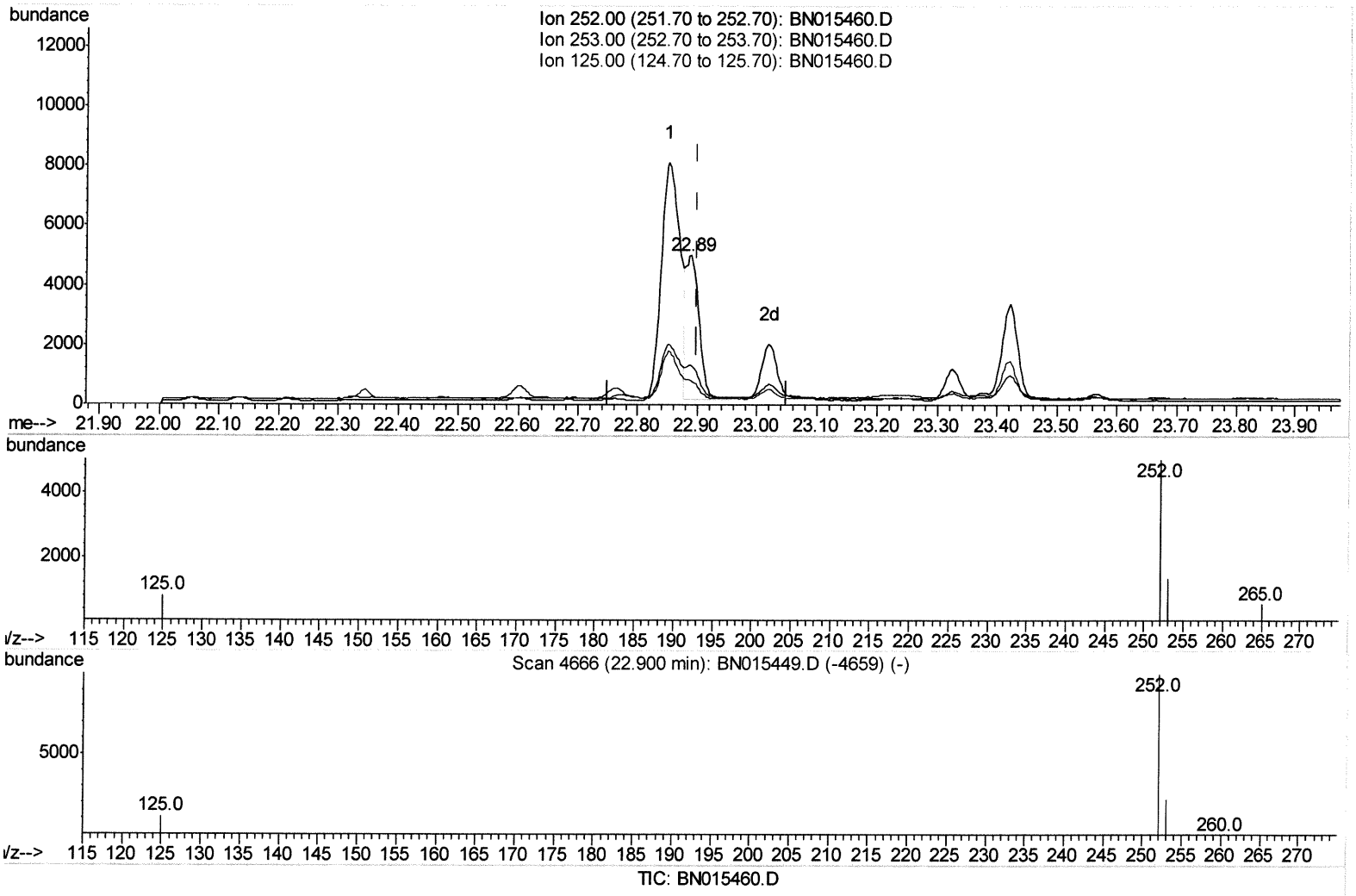
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.60 | 24.89 |
| 125.00 | 14.40 | 22.18# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015460.D
Acq On : 09 Jul 2021 23:39
Operator : CG/JU
Sample : M2854-15DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 02:43:38 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDT9DL

**Manual Integrations APPROVED**
mohammad
7/12/2021 9:33:31 AM










TIC: BN015460.D

(25) Benzo(k)fluoranthene

22.889min (-0.011) 0.17ng/ul m

response 7434

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.60 | 26.81 |
| 125.00 | 14.40 | 16.30 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070821\
Data File : BN015460.D
Acq On : 09 Jul 2021 23:39
Operator : CG/JU
Sample : M2854-15DL 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** BGDT9DL

**Manual Integrations APPROVED**
mohammad
7/12/2021 9:33:31 AM

Quant Time: Jul 10 02:44:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 08 11:17:31 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 3150 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.48 | 136 | 11022 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.34 | 164 | 5785 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.09 | 188 | 11537 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.28 | 240 | 9190 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.52 | 264 | 8320 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.28 | 96 | 4478 | 1.26 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.07 | 152 | 1702 | 0.10 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.12 | 212 | 3548 | 0.12 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 10.53 | 128 | 1830 | 0.052 | ng/ul# | 91 |
| 10) Acenaphthylene | 14.05 | 152 | 1942 | 0.065 | ng/ul# | 90 |
| 11) Acenaphthene | 14.40 | 153 | 783 | 0.034 | ng/ul | 96 |
| 12) Fluorene | 15.39 | 166 | 1371 | 0.054 | ng/ul# | 94 |
| 15) Phenanthrene | 17.12 | 178 | 15604 | 0.373 | ng/ul | 99 |
| 16) Anthracene | 17.22 | 178 | 6714 | 0.182 | ng/ul | 99 |
| 19) Fluoranthene | 19.15 | 202 | 43696 | 1.029 | ng/ul | 99 |
| 20) Pyrene | 19.51 | 202 | 25966 | 0.610 | ng/ul | 100 |
| 21) Benzo(a)anthracene | 21.26 | 228 | 19591 | 0.575 | ng/ul | 97 |
| 22) Chrysene | 21.32 | 228 | 15393 | 0.378 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.85 | 252 | 17582m | 0.452 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.89 | 252 | 7434m | 0.169 | ng/ul | |
| 26) Benzo(a)pyrene | 23.42 | 252 | 6032 | 0.185 | ng/ul# | 68 |
| 27) Indeno(1,2,3-cd)pyrene | 25.76 | 276 | 4286 | 0.109 | ng/ul | 95 |
| 28) Dibenzo(a,h)anthracene | 25.77 | 278 | 1910 | 0.062 | ng/ul# | 77 |

JU 7/14/21

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