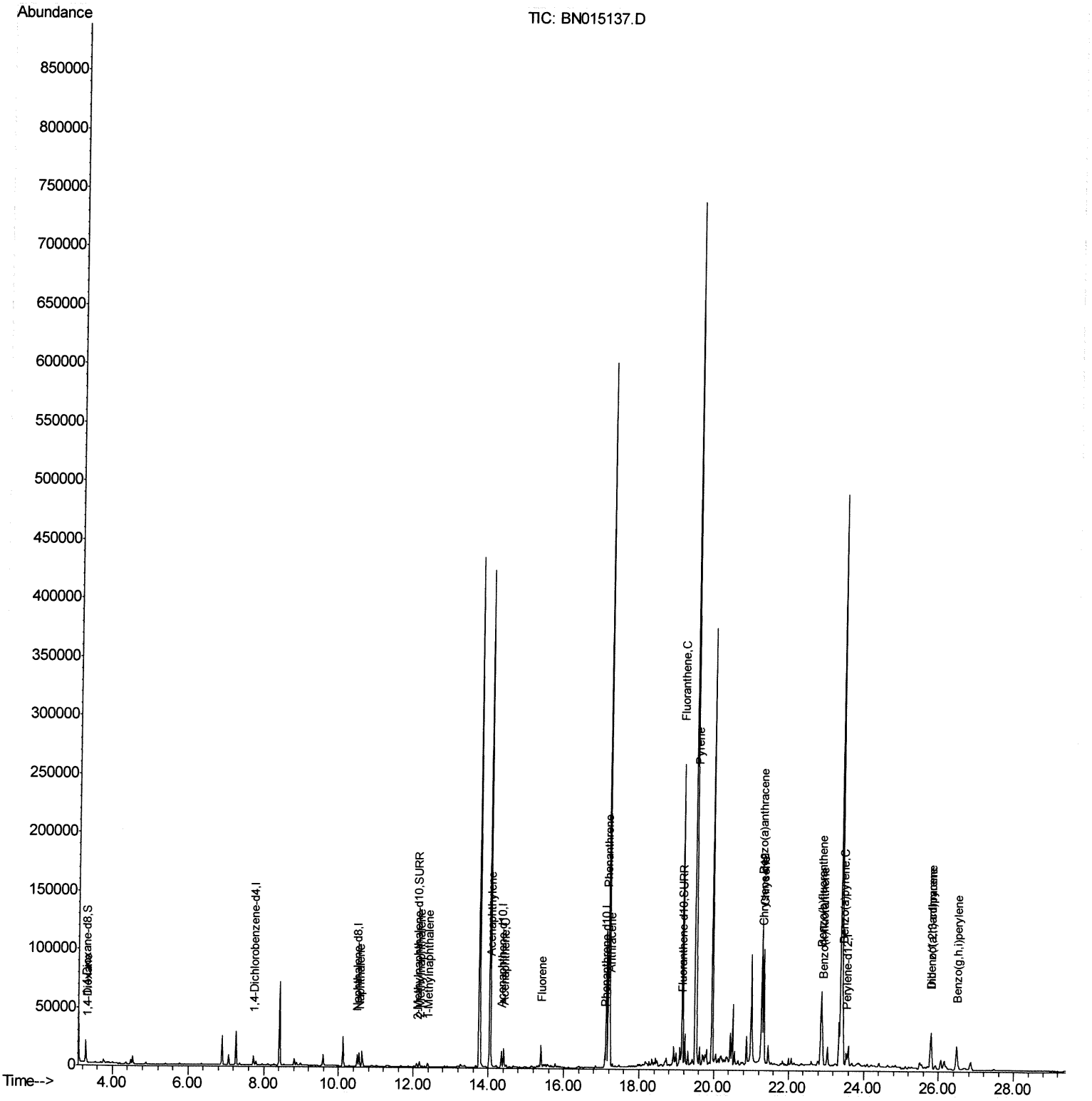
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015137.D
Acq On : 27 Jun 2021 04:23
Operator : CG/JU
Sample : M2680-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 28 02:09:00 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 : Tue Jun 22 11:53:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGD36

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:27:56 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015137.D
Acq On : 27 Jun 2021 04:23
Operator : CG/JU
Sample : M2680-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 28 01:25:41 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 : Tue Jun 22 11:53:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGD36

**Manual Integrations APPROVED**
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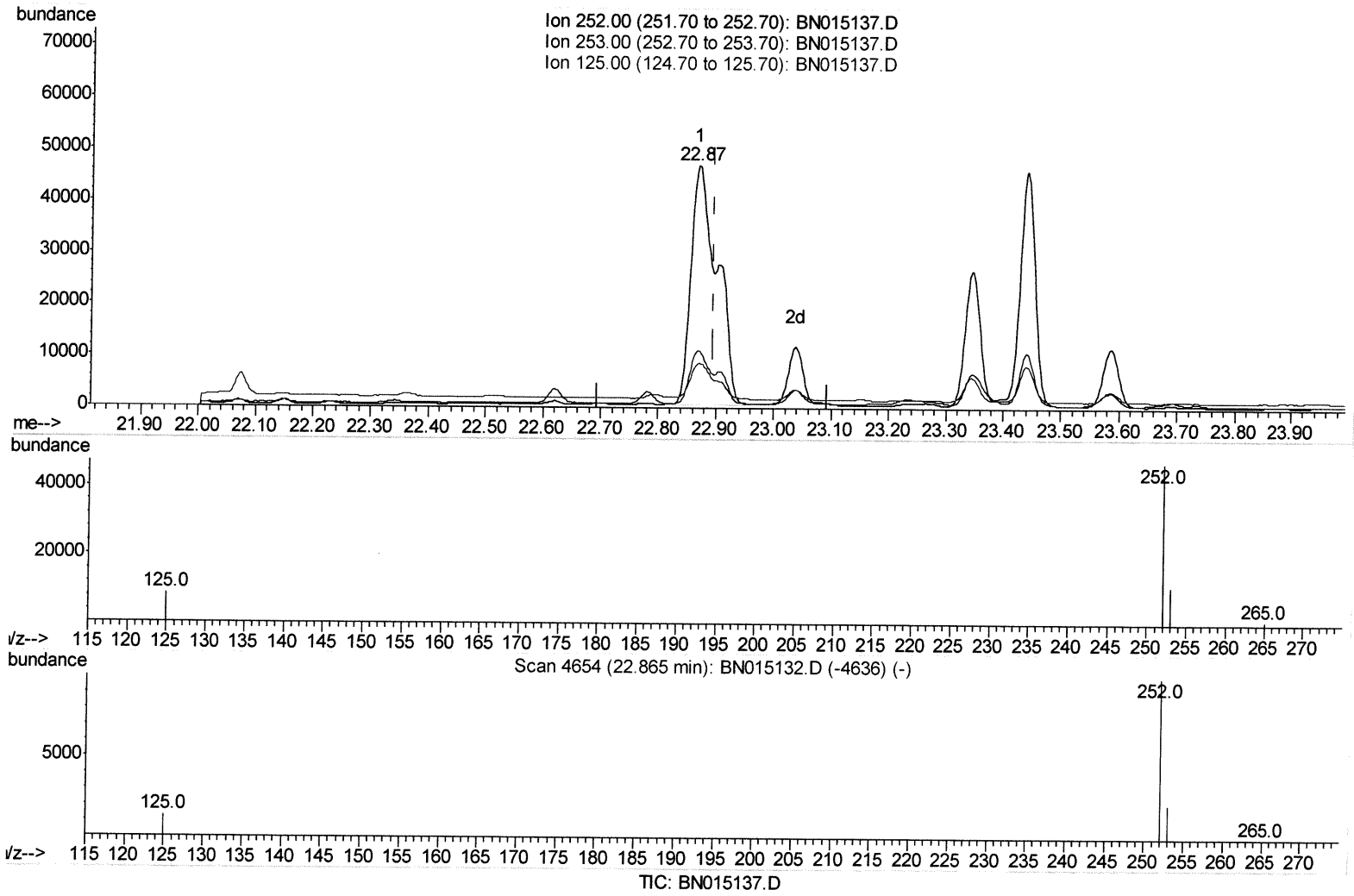



(24) Benzo(b)fluoranthene

22.868min (-0.027) 2.30ng/ul

response 145765

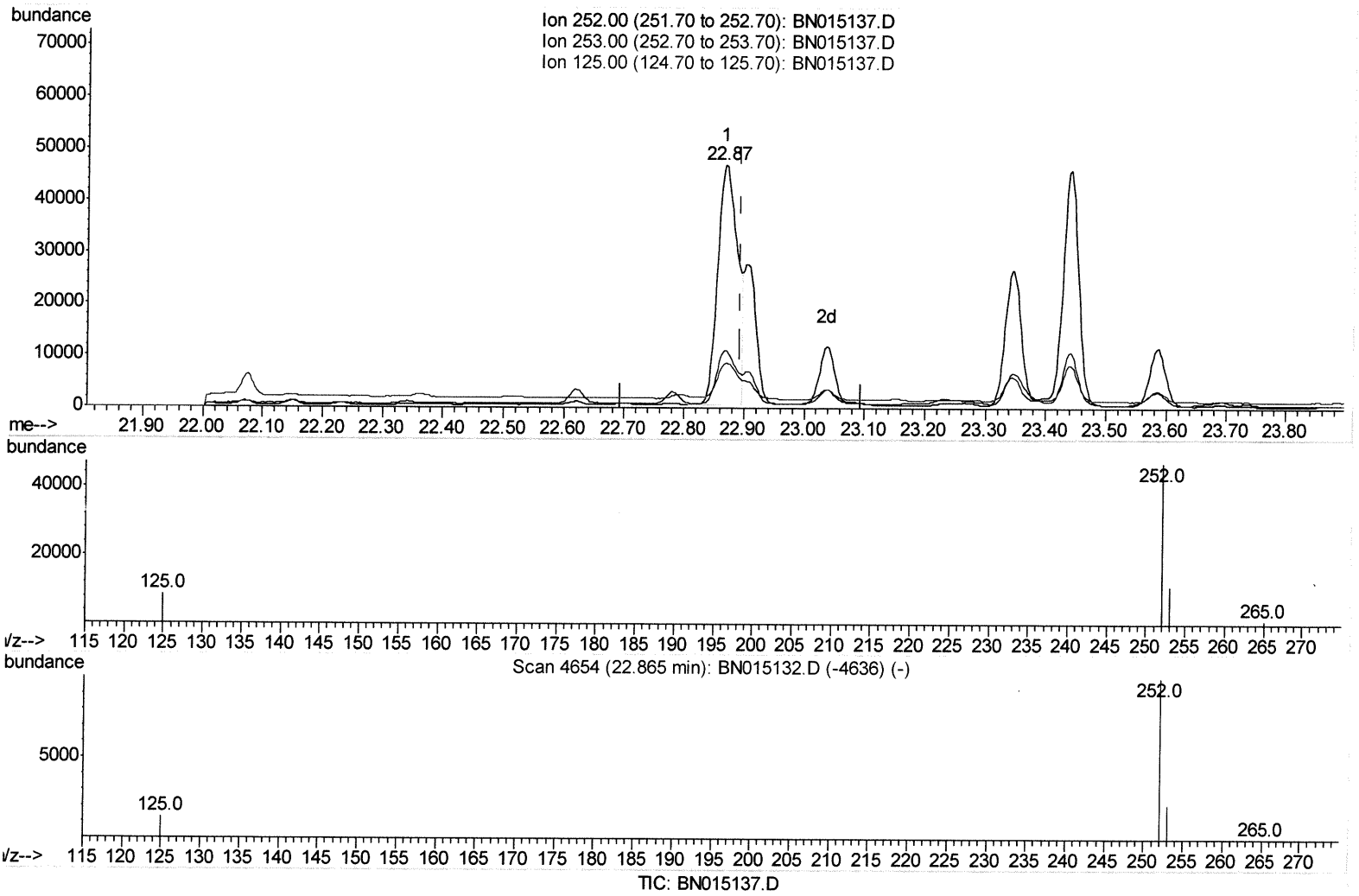
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.80 | 23.85 |
| 125.00 | 14.20 | 18.40 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015137.D
Acq On : 27 Jun 2021 04:23
Operator : CG/JU
Sample : M2680-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 28 01:25:41 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 : Tue Jun 22 11:53:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGD36

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:27:56 PM




(24) Benzo(b)fluoranthene

22.868min (-0.027) 1.70ng/ul m JU 6/30/21

response 107479

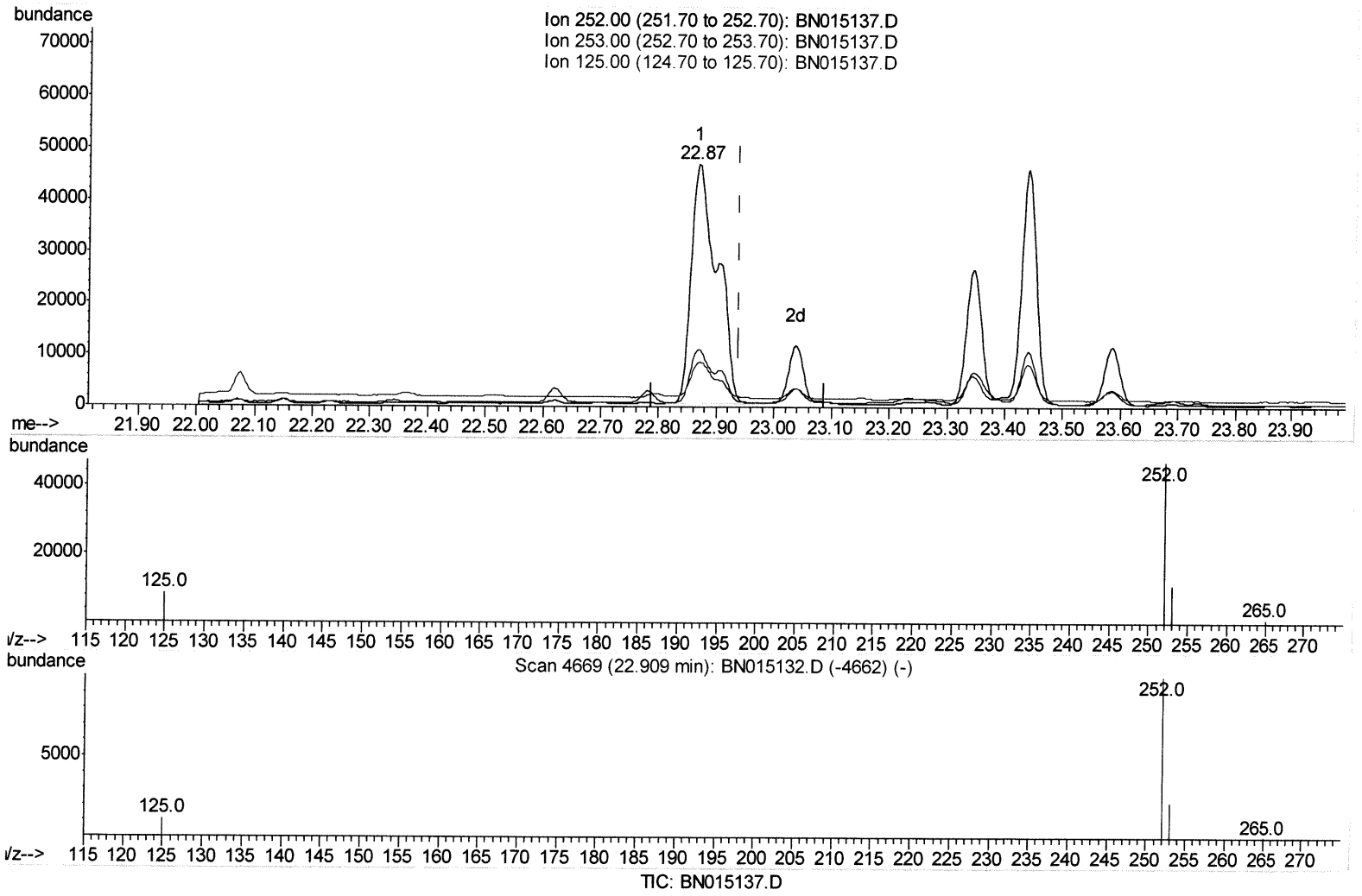
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.80 | 23.85 |
| 125.00 | 14.20 | 18.40 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015137.D
Acq On : 27 Jun 2021 04:23
Operator : CG/JU
Sample : M2680-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 28 02:08:16 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 : Tue Jun 22 11:53:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGD36

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:27:56 PM



TIC: BN015137.D

(25) Benzo(k)fluoranthene

22.868min (-0.071) 2.04ng/ul

response 145765

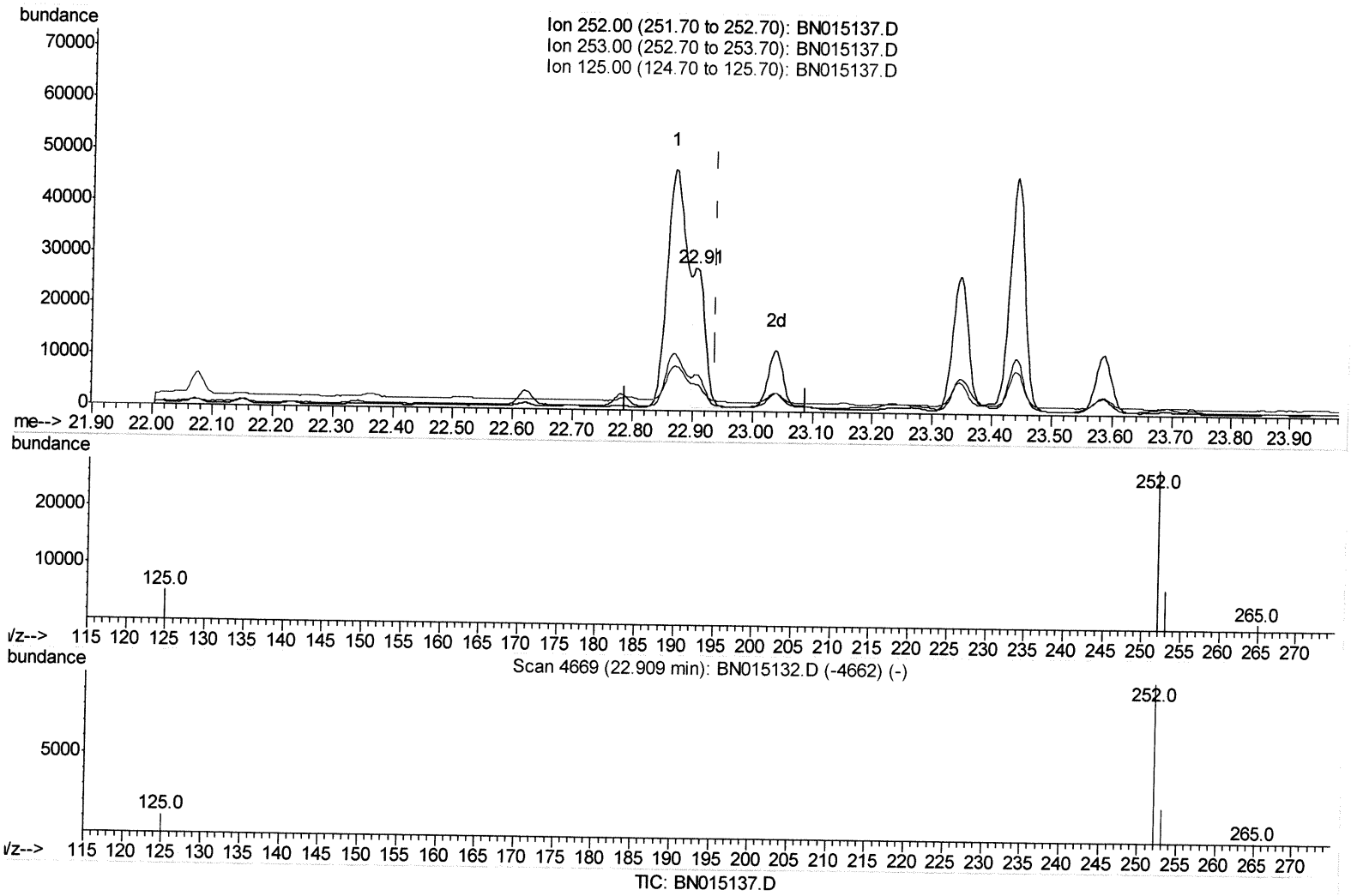
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.60 | 23.85 |
| 125.00 | 14.40 | 18.40# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015137.D
Acq On : 27 Jun 2021 04:23
Operator : CG/JU
Sample : M2680-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 28 02:08:16 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 : Tue Jun 22 11:53:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGD36

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:27:56 PM




(25) Benzo(k)fluoranthene

22.906min (-0.033) 0.53ng/ul m JU 6/30/21

response 37862

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.60 | 25.03 |
| 125.00 | 14.40 | 18.80# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015137.D
Acq On : 27 Jun 2021 04:23
Operator : CG/JU
Sample : M2680-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BGD36

Manual Integrations APPROVED
mohammad
6/28/2021 1:27:56 PM

Quant Time: Jun 28 02:09:00 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 : Tue Jun 22 11:53:52 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 3647 | 0.40 | ng/ul | -0.01 |
| 4) Naphthalene-d8 | 10.50 | 136 | 13078 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.35 | 164 | 7434 | 0.40 | ng/ul | -0.01 |
| 13) Phenanthrene-d10 | 17.10 | 188 | 15960 | 0.40 | ng/ul | -0.01 |
| 17) Chrysene-d12 | 21.30 | 240 | 16031 | 0.40 | ng/ul | -0.02 |
| 23) Perylene-d12 | 23.54 | 264 | 13551 | 0.40 | ng/ul | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 12396 | 3.02 | ng/ul | -0.01 |
| 6) 2-Methylnaphthalene-d10 | 12.09 | 152 | 3830 | 0.19 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.13 | 212 | 10102 | 0.19 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 515 | 0.116 | ng/ul# | 56 |
| 5) Naphthalene | 10.55 | 128 | 13855 | 0.332 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.16 | 142 | 3066 | 0.112 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.38 | 142 | 2280 | 0.086 | ng/ul | 100 |
| 10) Acenaphthylene | 14.07 | 152 | 6507 | 0.169 | ng/ul | 96 |
| 11) Acenaphthene | 14.41 | 153 | 9228 | 0.313 | ng/ul | 98 |
| 12) Fluorene | 15.40 | 166 | 11097 | 0.341 | ng/ul | 98 |
| 15) Phenanthrene | 17.14 | 178 | 123624 | 2.134 | ng/ul | 99 |
| 16) Anthracene | 17.23 | 178 | 41664 | 0.816 | ng/ul | 100 |
| 19) Fluoranthene | 19.16 | 202 | 203799 | 2.751 | ng/ul | 98 |
| 20) Pyrene | 19.53 | 202 | 180971 | 2.436 | ng/ul | 100 |
| 21) Benzo(a)anthracene | 21.28 | 228 | 94727 | 1.595 | ng/ul | 94 |
| 22) Chrysene | 21.33 | 228 | 88444 | 1.244 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 22.87 | 252 | 107479m | 1.698 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.91 | 252 | 37862m | 0.530 | ng/ul | — JU 6/30/21 |
| 26) Benzo(a)pyrene | 23.44 | 252 | 81837 | 1.539 | ng/ul | 99 |
| 27) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 47506 | 0.740 | ng/ul# | 95 |
| 28) Dibenzo(a,h)anthracene | 25.80 | 278 | 12220 | 0.243 | ng/ul# | 81 |
| 29) Benzo(g,h,i)perylene | 26.48 | 276 | 39560 | 0.665 | ng/ul | 98 |

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