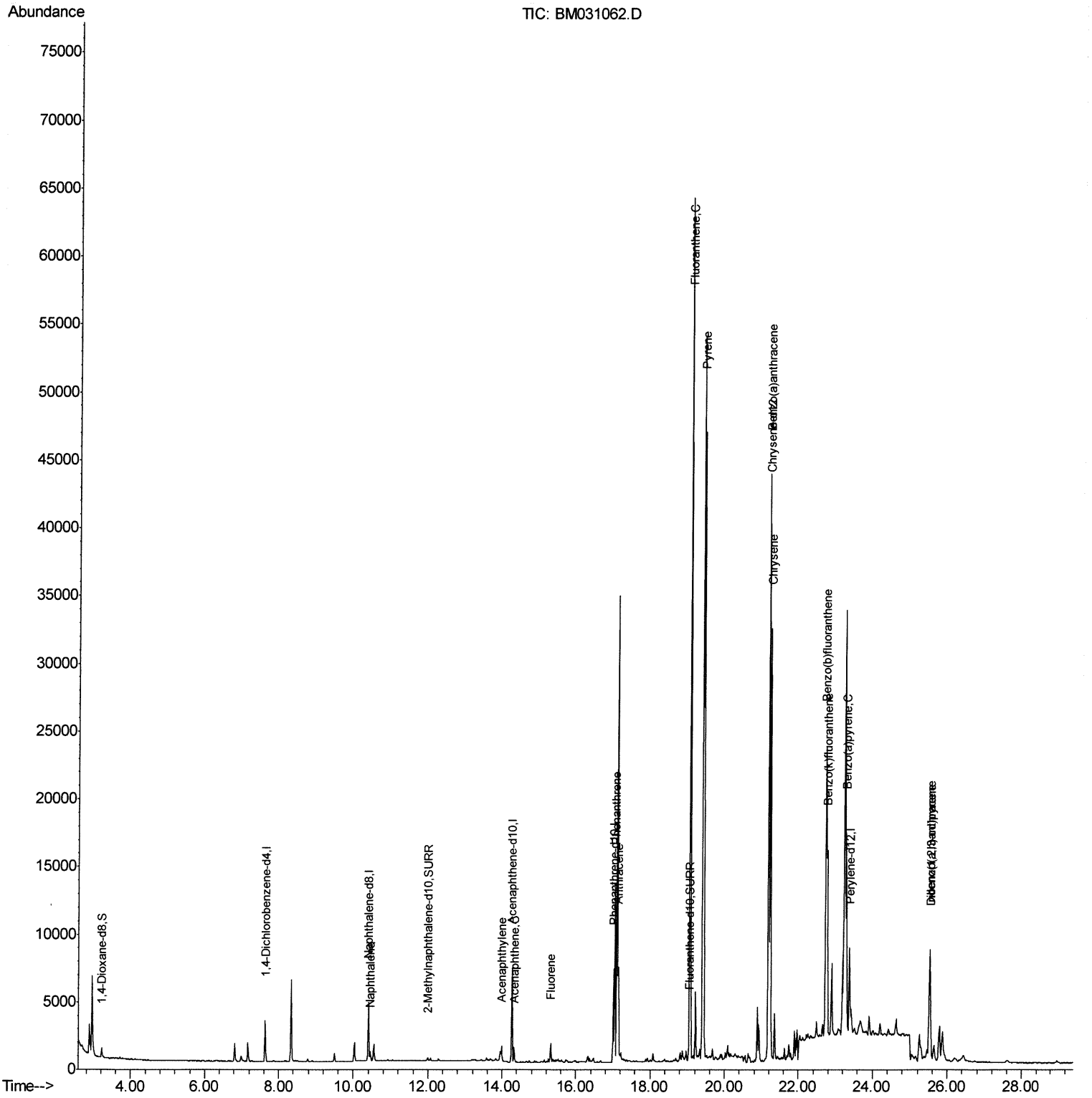
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 14:04:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGEA2DL

**Manual Integrations APPROVED**
mohammad
7/23/2021 11:52:01 AM

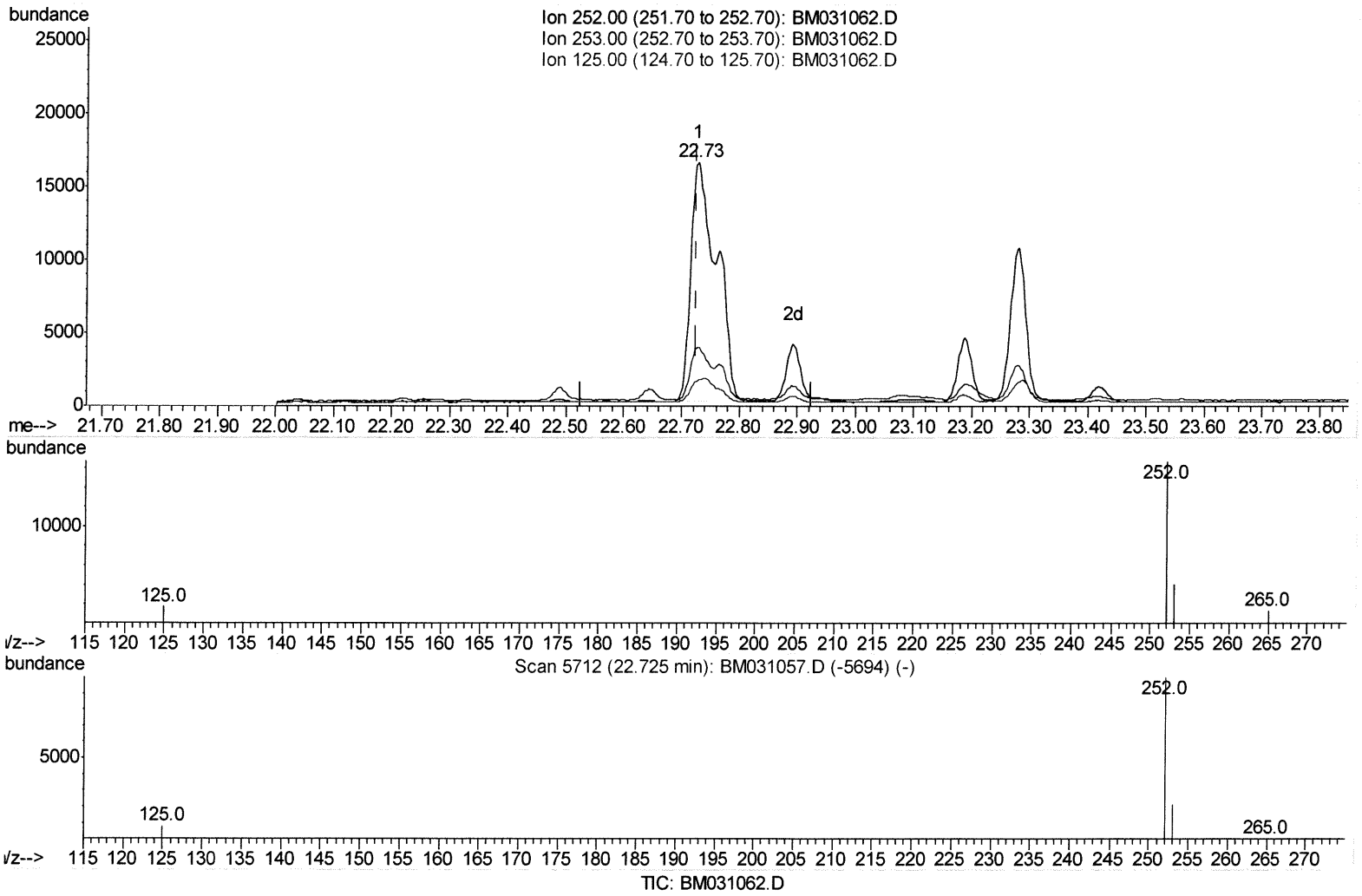


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 14:02:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGEA2DL

**Manual Integrations APPROVED**
mohammad
7/23/2021 11:52:01 AM




(24) Benzo(b)fluoranthene

22.728min (+0.002) 1.40ng/ul

response 51077

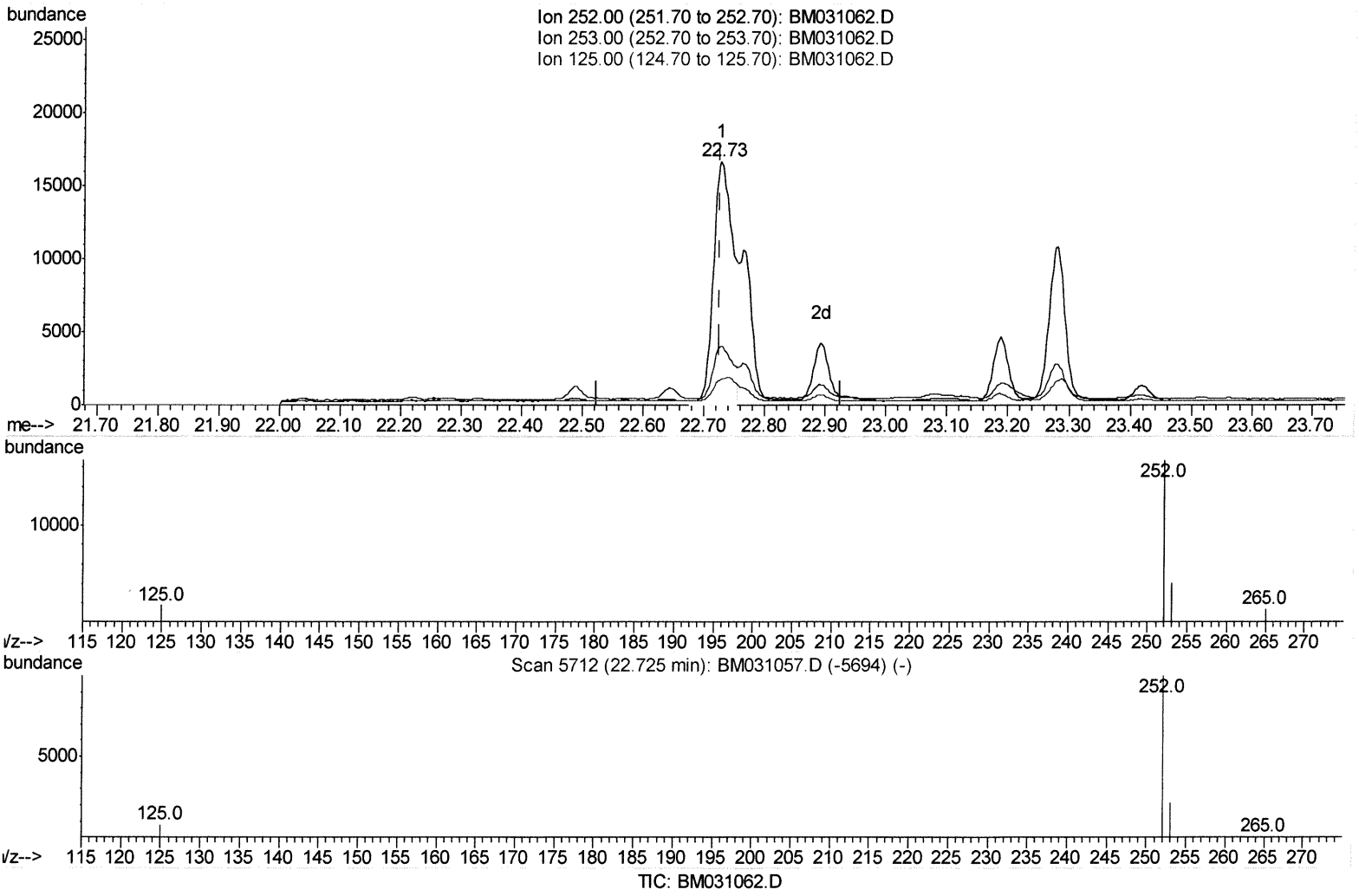
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.40 | 24.02 |
| 125.00 | 10.10 | 10.44 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 14:02:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGEA2DL

**Manual Integrations APPROVED**
mohammad
7/23/2021 11:52:01 AM










TIC: BM031062.D

(24) Benzo(b)fluoranthene

22.728min (+0.002) 1.01ng/ul m 7/26/21 JU

response 36866

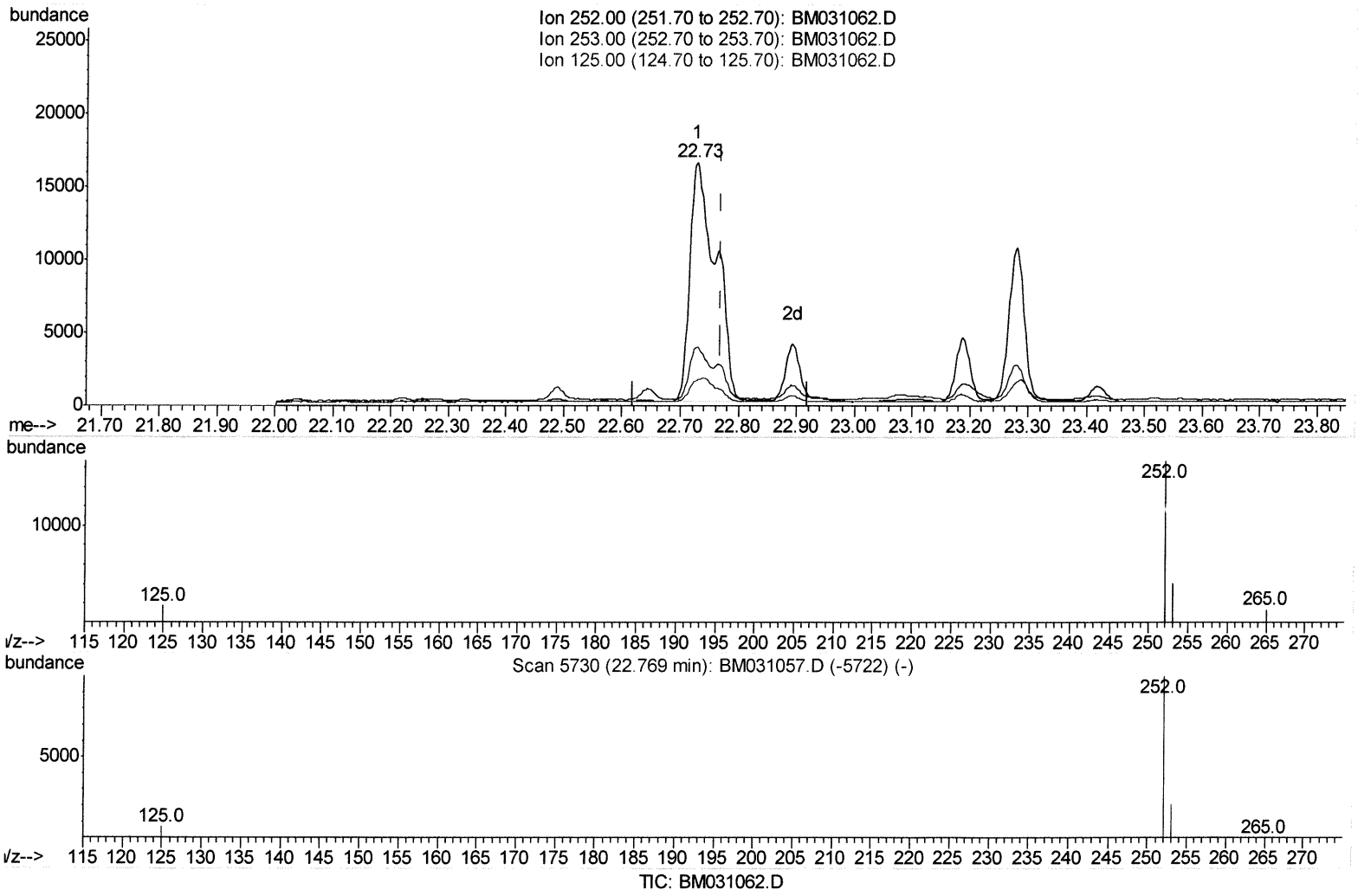
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.40 | 24.02 |
| 125.00 | 10.10 | 10.44 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 14:02:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGEA2DL

**Manual Integrations APPROVED**
mohammad
7/23/2021 11:52:01 AM










TIC: BM031062.D

(25) Benzo(k)fluoranthene

22.728min (-0.041) 1.38ng/ul

response 51077

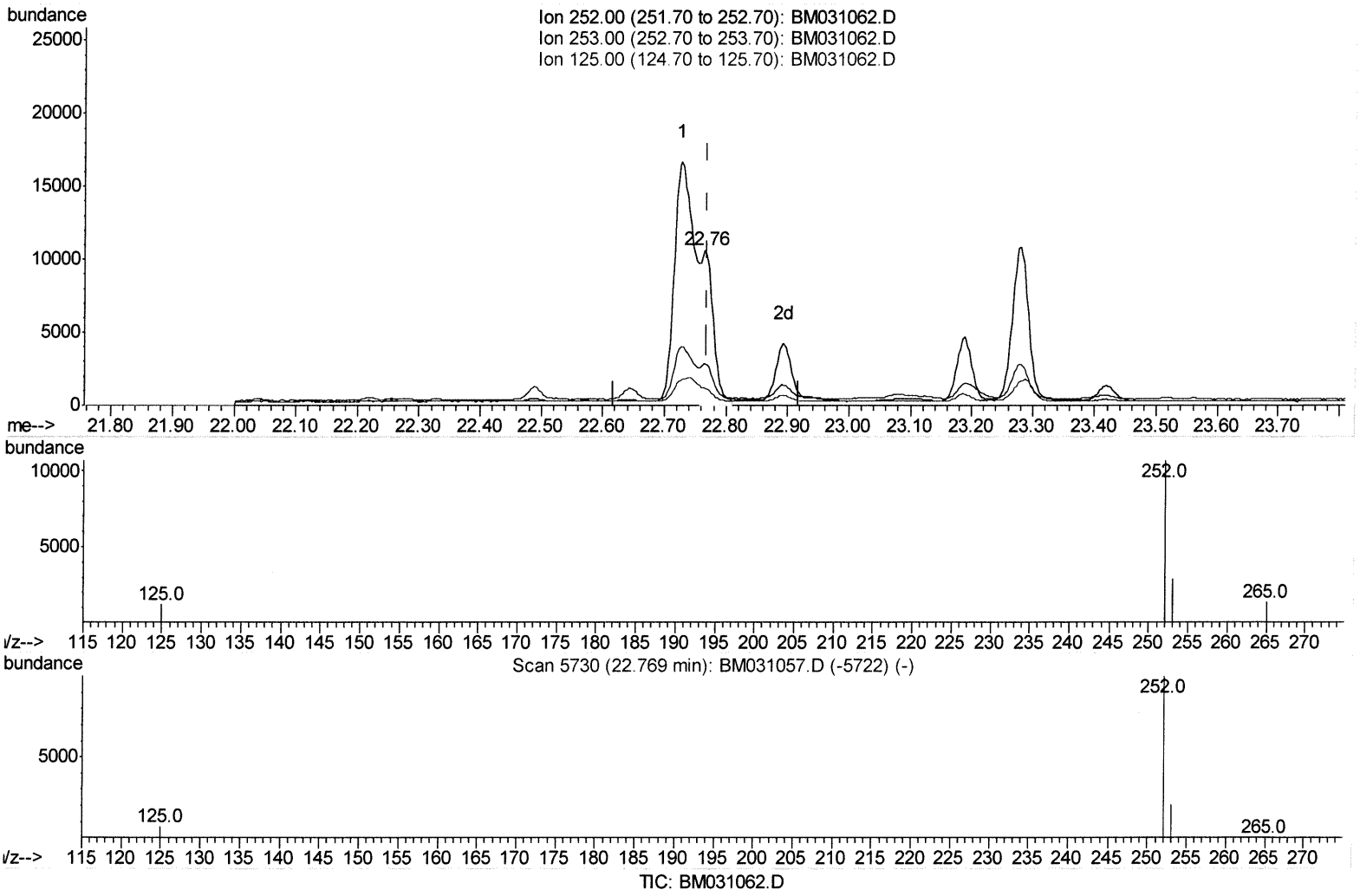
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 27.00 | 24.02 |
| 125.00 | 10.80 | 10.44 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 14:02:36 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGEA2DL

**Manual Integrations APPROVED**
mohammad
7/23/2021 11:52:01 AM




(25) Benzo(k)fluoranthene

22.764min (-0.005) 0.40ng/ul m ⊙ 7/26/21 JU

response 14747

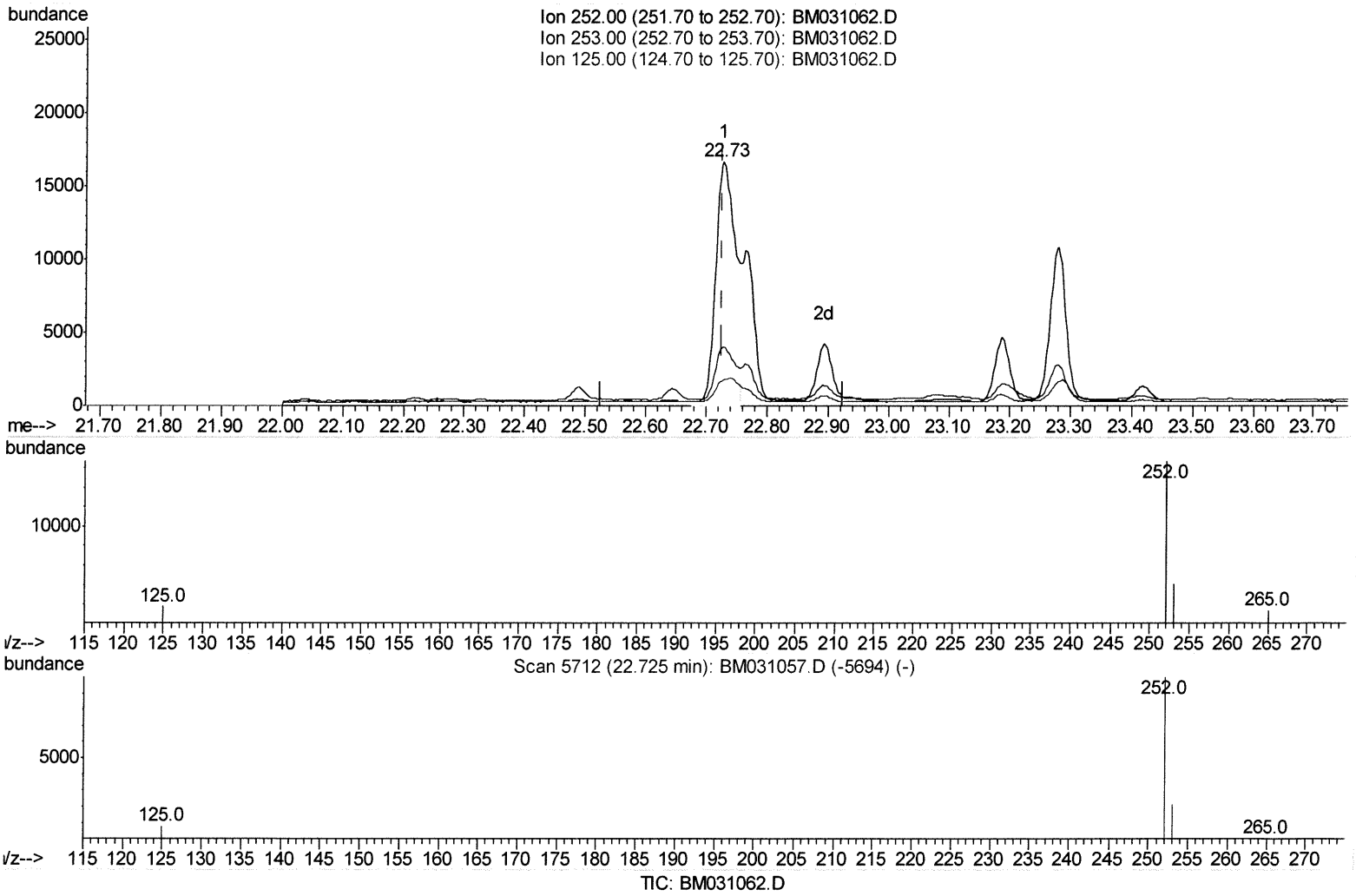
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 27.00 | 26.97 |
| 125.00 | 10.80 | 11.55 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 14:03:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGEA2DL

**Manual Integrations APPROVED**
mohammad
7/23/2021 11:52:01 AM




(24) Benzo(b)fluoranthene

22.728min (+0.002) 1.05ng/ul m 07/26/21 JU

response 38276

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.40 | 24.02 |
| 125.00 | 10.10 | 10.44 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072221\
Data File : BM031062.D
Acq On : 22 Jul 2021 12:14
Operator : CG/JU
Sample : M2971-16DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGEA2DL

Manual Integrations APPROVED
mohammad
7/23/2021 11:52:01 AM

Quant Time: Jul 22 14:04:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 22 11:33:47 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 1480 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.40 | 136 | 5813 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.27 | 164 | 3818 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.01 | 188 | 8408 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.20 | 240 | 8424 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.37 | 264 | 7768 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 538 | 0.35 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.00 | 152 | 345 | 0.03 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.04 | 212 | 1044 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 10.45 | 128 | 906 | 0.052 | ng/ul# | 85 |
| 10) Acenaphthylene | 13.99 | 152 | 1161 | 0.074 | ng/ul | 96 |
| 11) Acenaphthene | 14.33 | 153 | 658 | 0.048 | ng/ul | 93 |
| 12) Fluorene | 15.32 | 166 | 888 | 0.055 | ng/ul# | 98 |
| 15) Phenanthrene | 17.05 | 178 | 13237 | 0.496 | ng/ul | 99 |
| 16) Anthracene | 17.14 | 178 | 7991 | 0.319 | ng/ul | 98 |
| 19) Fluoranthene | 19.07 | 202 | 54222 | 1.599 | ng/ul | 98 |
| 20) Pyrene | 19.43 | 202 | 40423 | 1.168 | ng/ul | 98 |
| 21) Benzo(a)anthracene | 21.18 | 228 | 34529 | 1.026 | ng/ul | 96 |
| 22) Chrysene | 21.23 | 228 | 29714 | 0.816 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 22.73 | 252 | 38276m | 1.048 | ng/ul | 07/26/21JU |
| 25) Benzo(k)fluoranthene | 22.76 | 252 | 14747m | 0.398 | ng/ul | |
| 26) Benzo(a)pyrene | 23.28 | 252 | 19238 | 0.609 | ng/ul | 95 |
| 27) Indeno(1,2,3-cd)pyrene | 25.53 | 276 | 12407 | 0.300 | ng/ul# | 99 |
| 28) Dibenzo(a,h)anthracene | 25.54 | 278 | 4242 | 0.128 | ng/ul# | 84 |

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