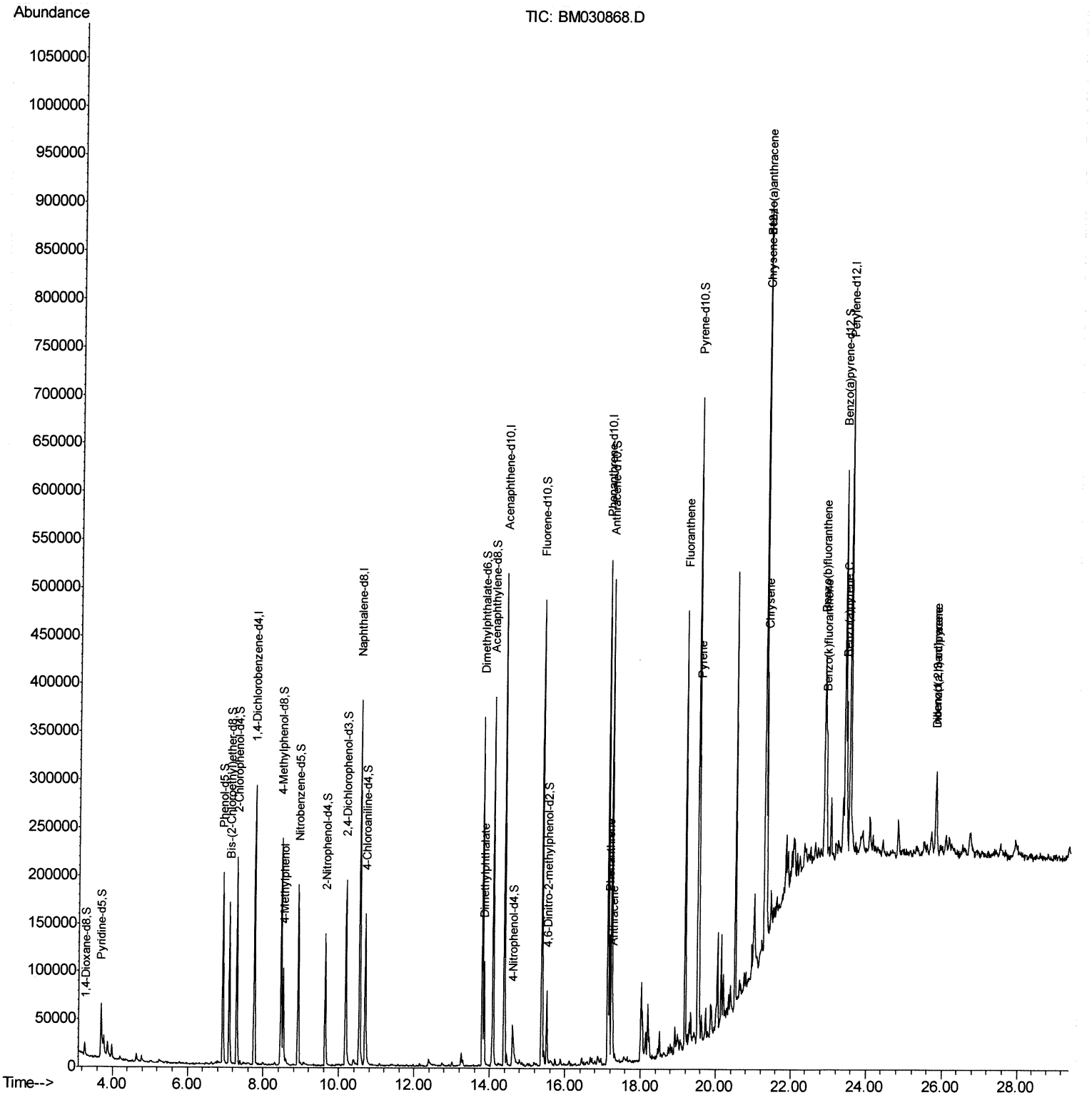
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\
Data File : BM030868.D
Acq On : 07 Jul 2021 22:06
Operator : CG/JU
Sample : M2877-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jul 08 01:57:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 06 14:32:50 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDZ7

**Manual Integrations APPROVED**
mohammad
7/8/2021 12:38:19 PM

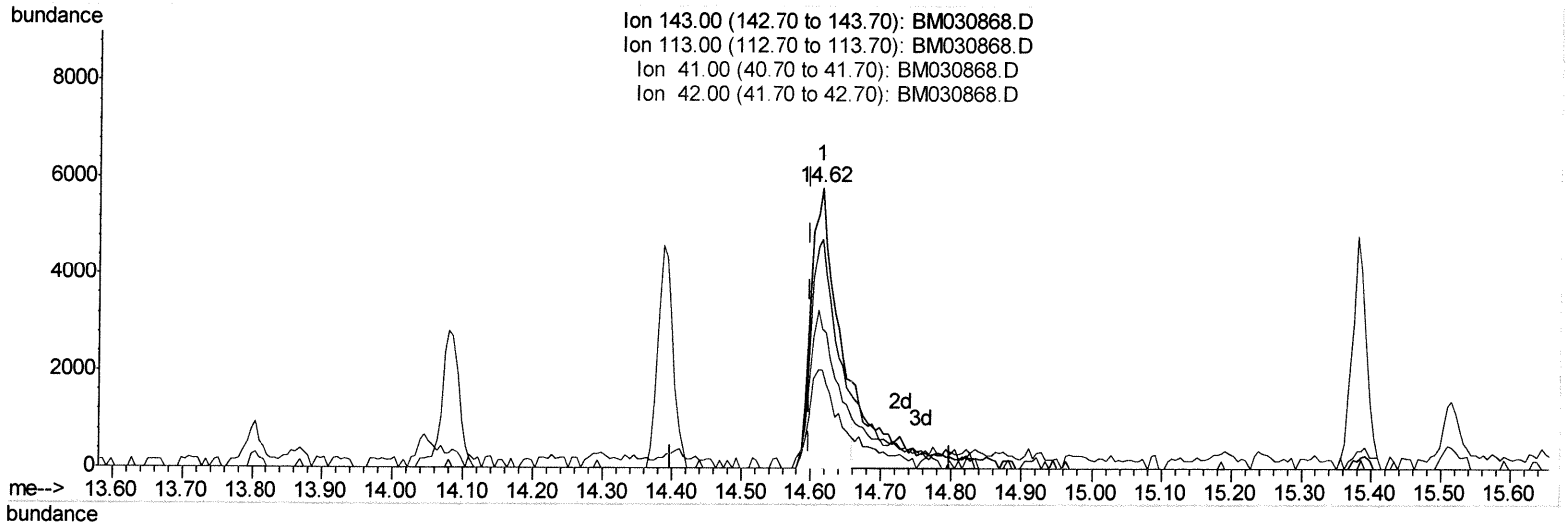


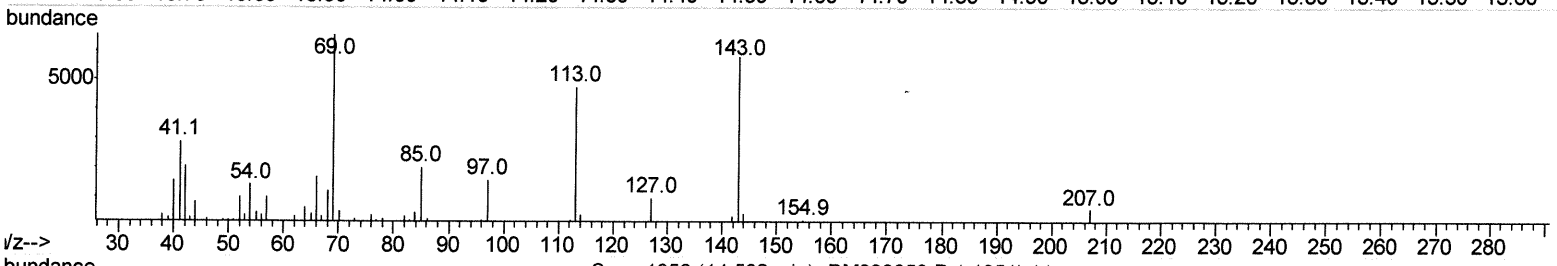
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\
Data File : BM030868.D
Acq On : 07 Jul 2021 22:06
Operator : CG/JU
Sample : M2877-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

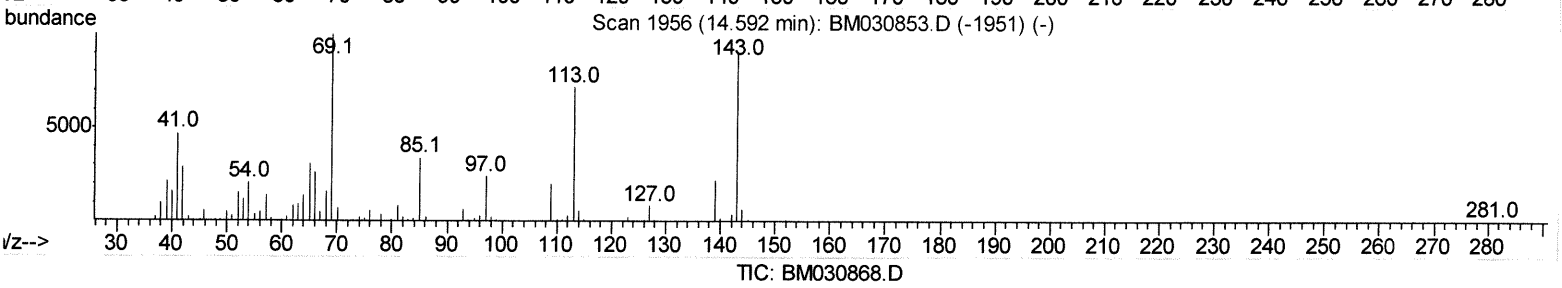
Quant Time: Jul 08 00:47:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 06 14:32:50 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDZ7

**Manual Integrations APPROVED**
mohammad
7/8/2021 12:38:19 PM




TIC: BM030868.D

(54) 4-Nitrophenol-d4 (S)

14.616min (+0.018) 7.10ng/ul

response 14585

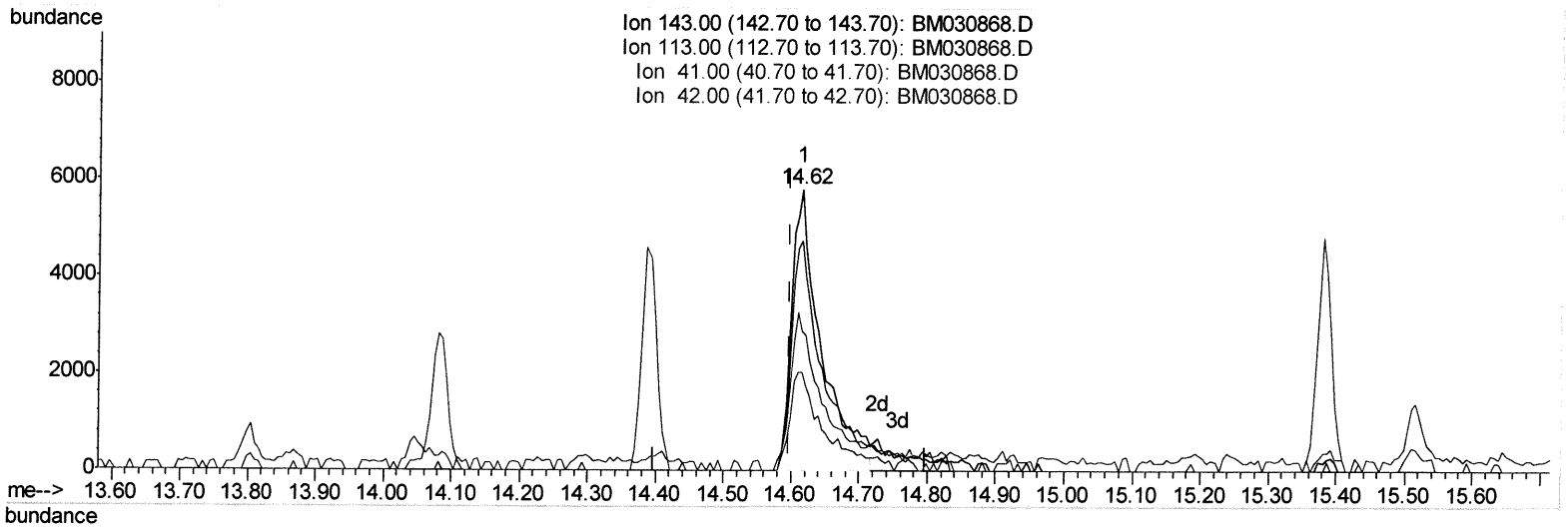
| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 76.90 | 82.04 |
| 41.00 | 50.00 | 49.63 |
| 42.00 | 34.80 | 35.09 |

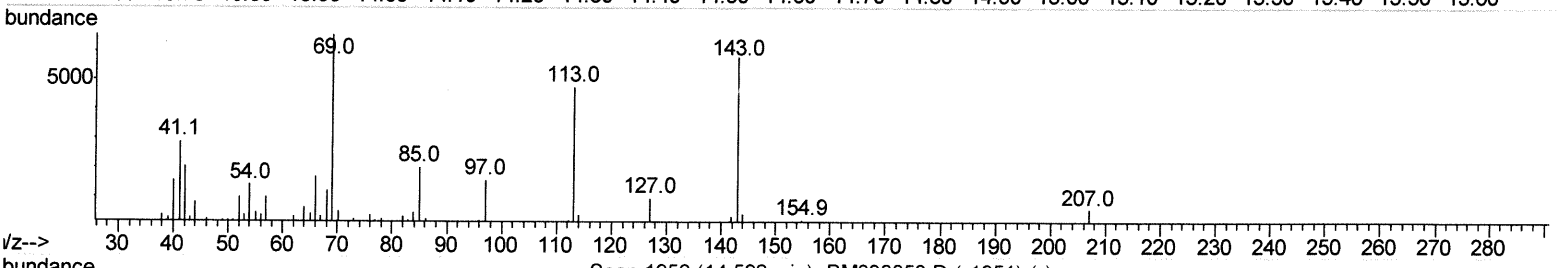
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\
Data File : BM030868.D
Acq On : 07 Jul 2021 22:06
Operator : CG/JU
Sample : M2877-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

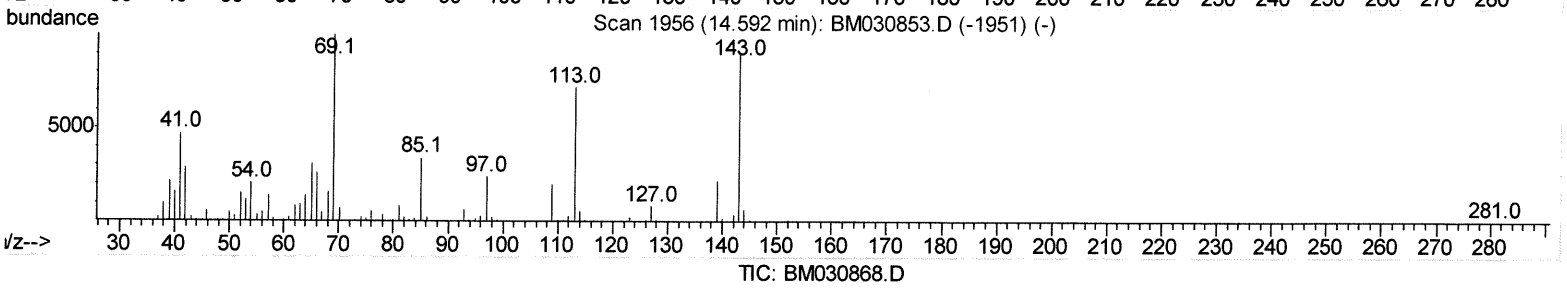
Quant Time: Jul 08 00:47:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 06 14:32:50 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDZ7

**Manual Integrations APPROVED**
mohammad
7/8/2021 12:38:19 PM




TIC: BM030868.D

(54) 4-Nitrophenol-d4 (S)

14.616min (+0.018) 8.73ng/ul m JU 07/09/21

response 17935

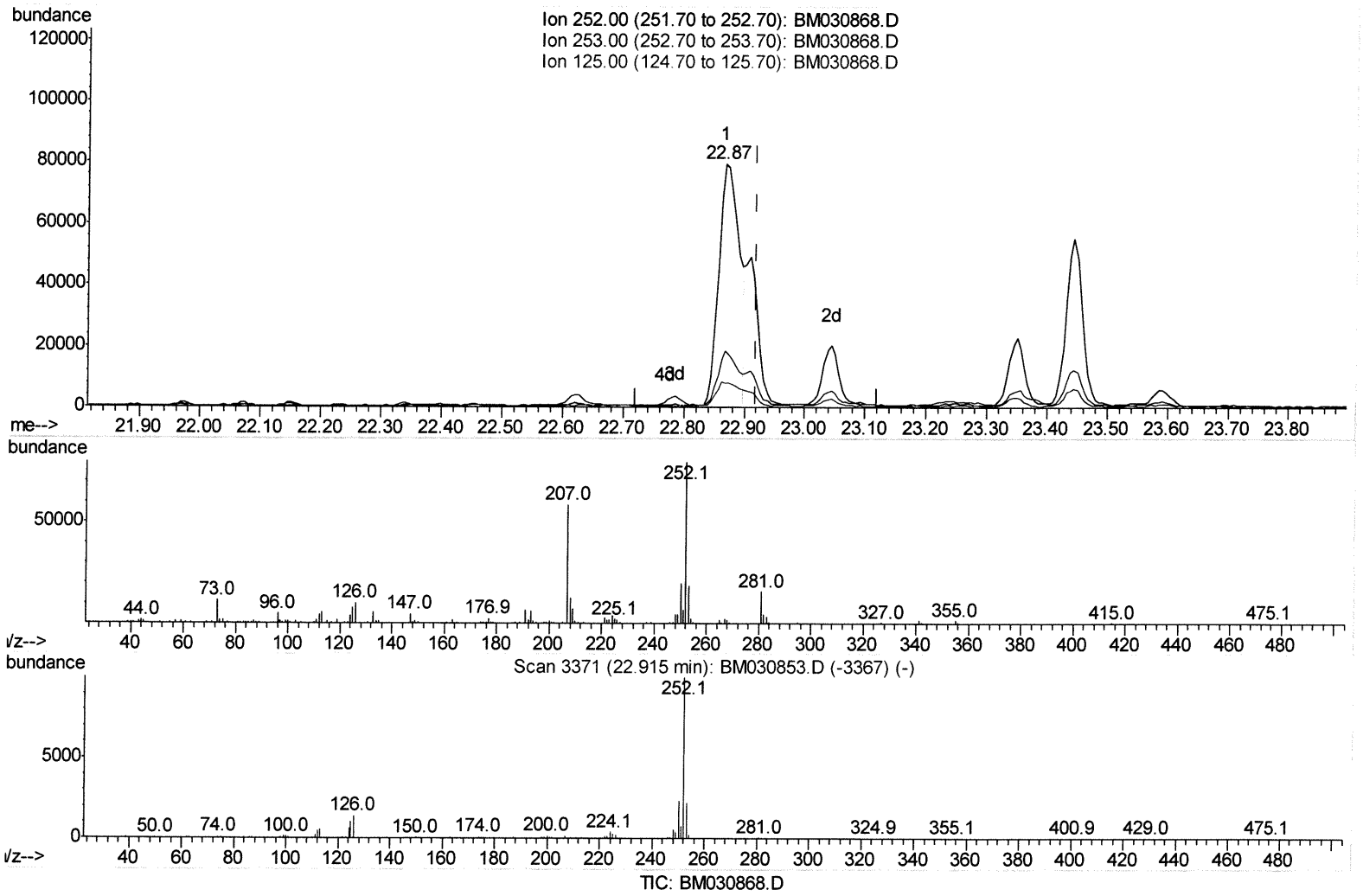
| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100 | 100 |
| 113.00 | 76.90 | 82.04 |
| 41.00 | 50.00 | 49.63 |
| 42.00 | 34.80 | 35.09 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\
Data File : BM030868.D
Acq On : 07 Jul 2021 22:06
Operator : CG/JU
Sample : M2877-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jul 08 01:56:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 06 14:32:50 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDZ7

**Manual Integrations APPROVED**
mohammad
7/8/2021 12:38:19 PM




(91) Benzo(k)fluoranthene

22.868min (-0.053) 9.13ng/ul

response 187503

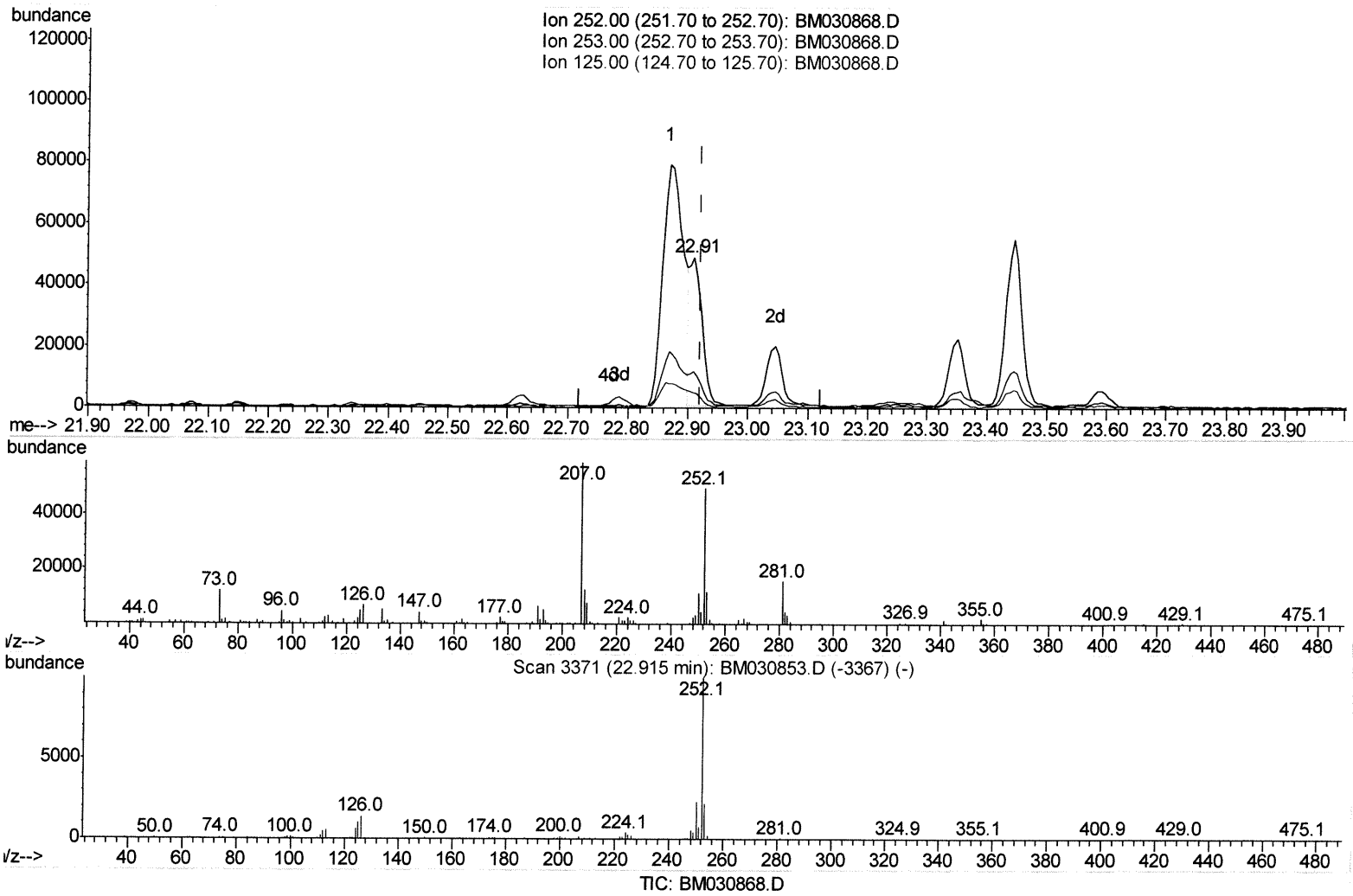
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.70 | 23.16 |
| 125.00 | 9.20 | 10.11 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\
Data File : BM030868.D
Acq On : 07 Jul 2021 22:06
Operator : CG/JU
Sample : M2877-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Jul 08 01:56:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 06 14:32:50 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDZ7

**Manual Integrations APPROVED**
mohammad
7/8/2021 12:38:19 PM



TIC: BM030868.D

(91) Benzo(k)fluoranthene

22.909min (-0.012) 3.47ng/ul m JU 07/09/21

response 71282

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.70 | 23.99 |
| 125.00 | 9.20 | 10.31 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070621\
Data File : BM030868.D
Acq On : 07 Jul 2021 22:06
Operator : CG/JU
Sample : M2877-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDZ7

Manual Integrations APPROVED
mohammad
7/8/2021 12:38:19 PM

Quant Time: Jul 08 01:57:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM070621.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 06 14:32:50 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 75527 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.55 | 136 | 297775 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.39 | 164 | 168623 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.13 | 188 | 305417 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.30 | 240 | 298639 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.54 | 264 | 328048 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.26 | 96 | 6928 | 3.58 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.69 | 84 | 49024 | 9.70 | ng/ul | 0.02 |
| 7) Phenol-d5 | 6.93 | 99 | 106628 | 16.16 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.10 | 67 | 79541 | 18.71 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.29 | 132 | 92496 | 18.27 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.46 | 113 | 83951 | 15.87 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.92 | 128 | 40548 | 18.31 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.64 | 143 | 40986 | 16.91 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.17 | 165 | 75657 | 16.22 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.69 | 131 | 91240 | 13.78 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.80 | 166 | 231387 | 19.60 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.09 | 160 | 274647 | 18.42 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.62 | 143 | 17935m> | 8.73 | ng/ul> | 0.02 JU 07/09/21 |
| 60) Fluorene-d10 | 15.39 | 176 | 196292 | 18.88 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 18026 | 9.20 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.23 | 188 | 270587 | 19.01 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.52 | 212 | 286470 | 17.39 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.40 | 264 | 269837 | 15.94 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 18) 4-Methylphenol | 8.52 | 108 | 34784 | 6.447 | ng/ul | 86 |
| 47) Dimethylphthalate | 13.85 | 163 | 66059 | 5.712 | ng/ul | 99 |
| 72) Phenanthrene | 17.17 | 178 | 76075 | 4.668 | ng/ul | 99 |
| 74) Anthracene | 17.26 | 178 | 39408 | 2.353 | ng/ul | 98 |
| 80) Fluoranthene | 19.19 | 202 | 257403 | 12.674 | ng/ul | 99 |
| 82) Pyrene | 19.54 | 202 | 188196 | 8.941 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.29 | 228 | 167729 | 8.983 | ng/ul | 97 |
| 87) Chrysene | 21.33 | 228 | 149910 | 8.160 | ng/ul | 98 |
| 90) Benzo(b)fluoranthene | 22.87 | 252 | 187503 | 8.873 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 22.91 | 252 | 71282m> | 3.470 | ng/ul> | JU 07/09/21 |
| 93) Benzo(a)pyrene | 23.44 | 252 | 101925 | 5.451 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 25.81 | 276 | 71716 | 3.084 | ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 25.81 | 278 | 23338 | 1.197 | ng/ul# | 82 |

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