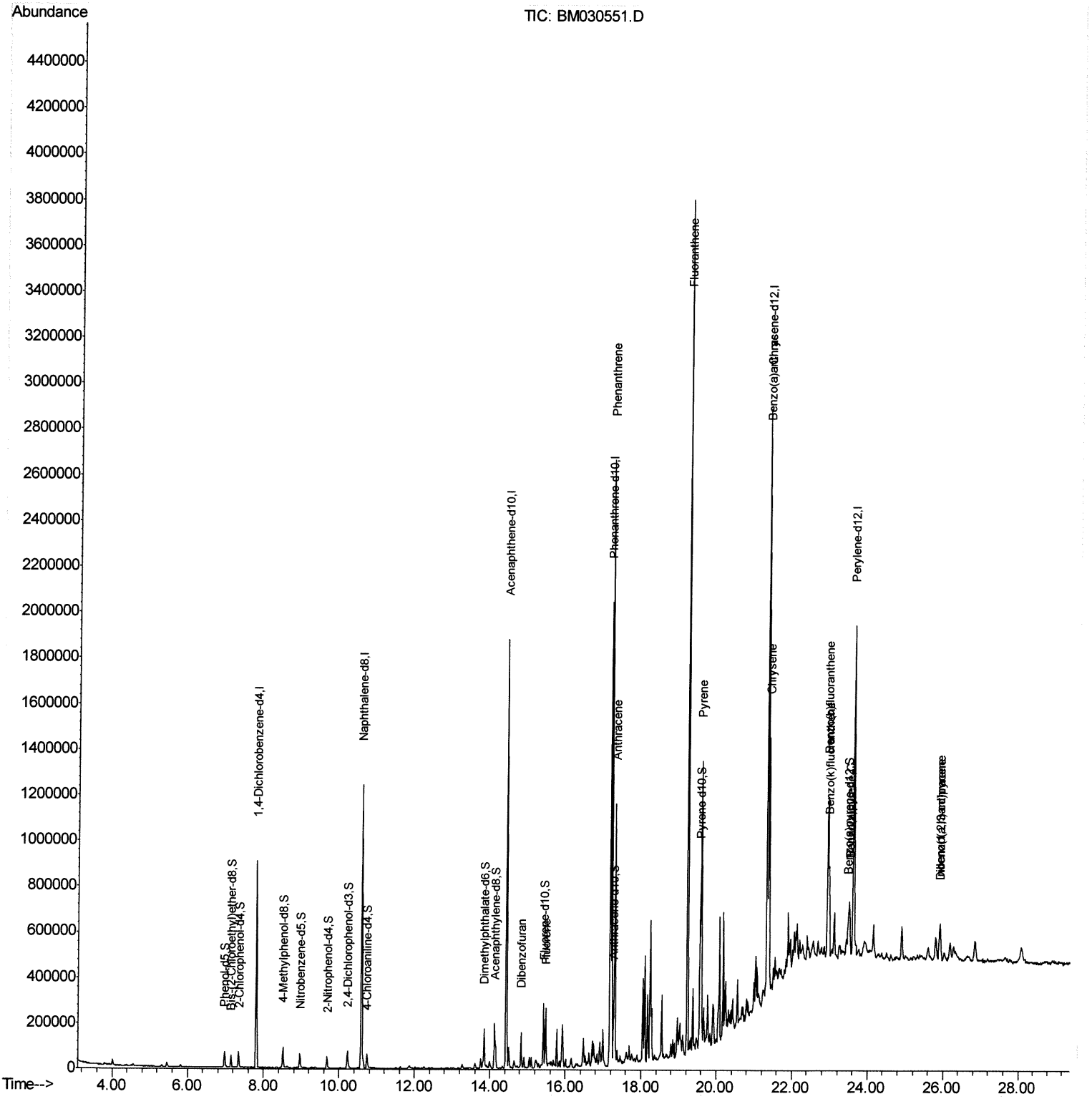
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030551.D
Acq On : 23 Jun 2021 13:49
Operator : CG/JU
Sample : M2662-11DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Jun 23 14:28:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 22 15:07:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDF5DL

**Manual Integrations APPROVED**
mohammad
6/23/2021 4:49:26 PM

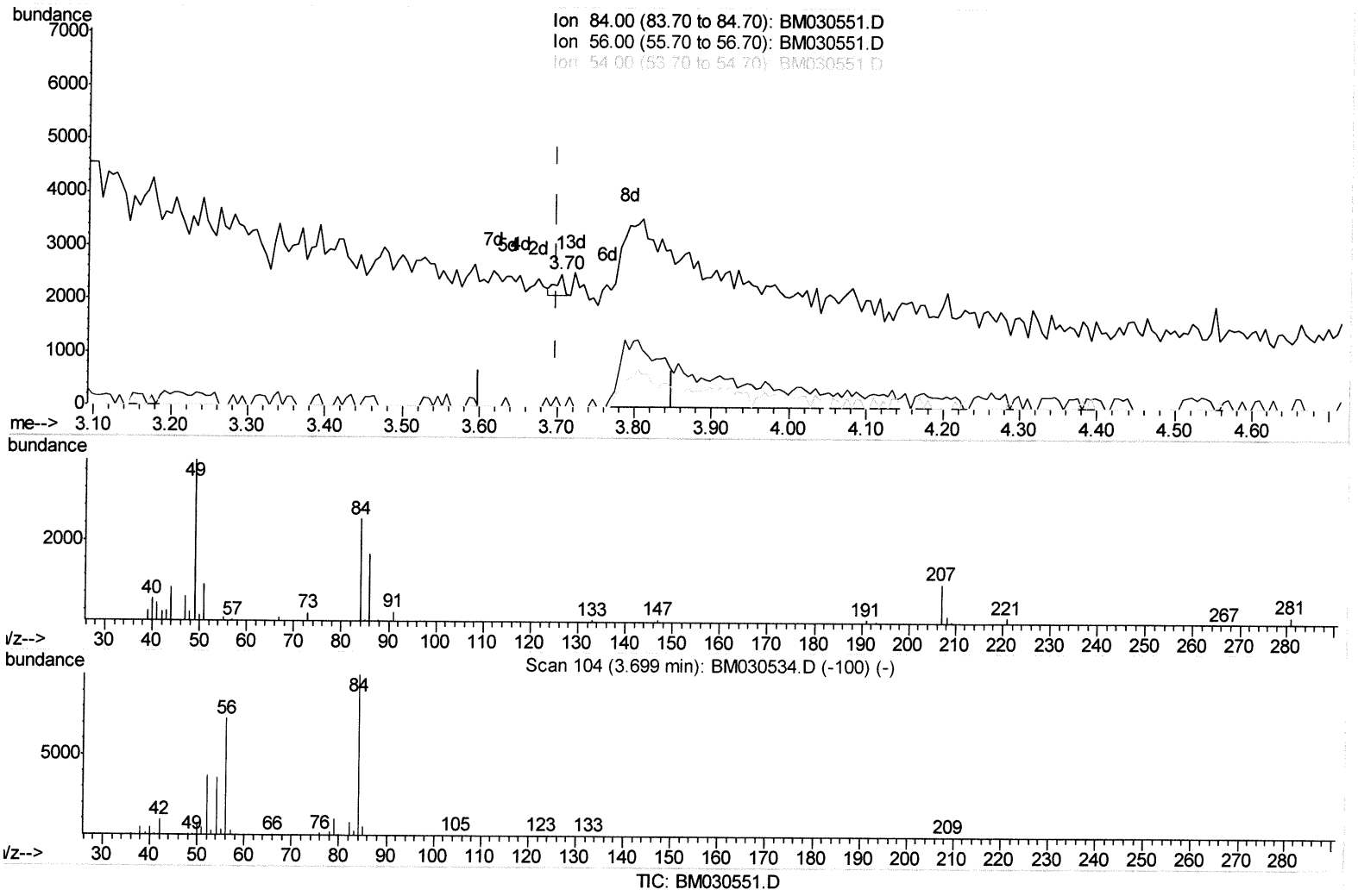


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030551.D
Acq On : 23 Jun 2021 13:49
Operator : CG/JU
Sample : M2662-11DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Jun 23 14:25:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 22 15:07:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDF5DL

**Manual Integrations APPROVED**
mohammad
6/23/2021 4:49:26 PM




(4) Pyridine-d5 (S)

3.705min (+0.006) 0.02ng/ul

response 279

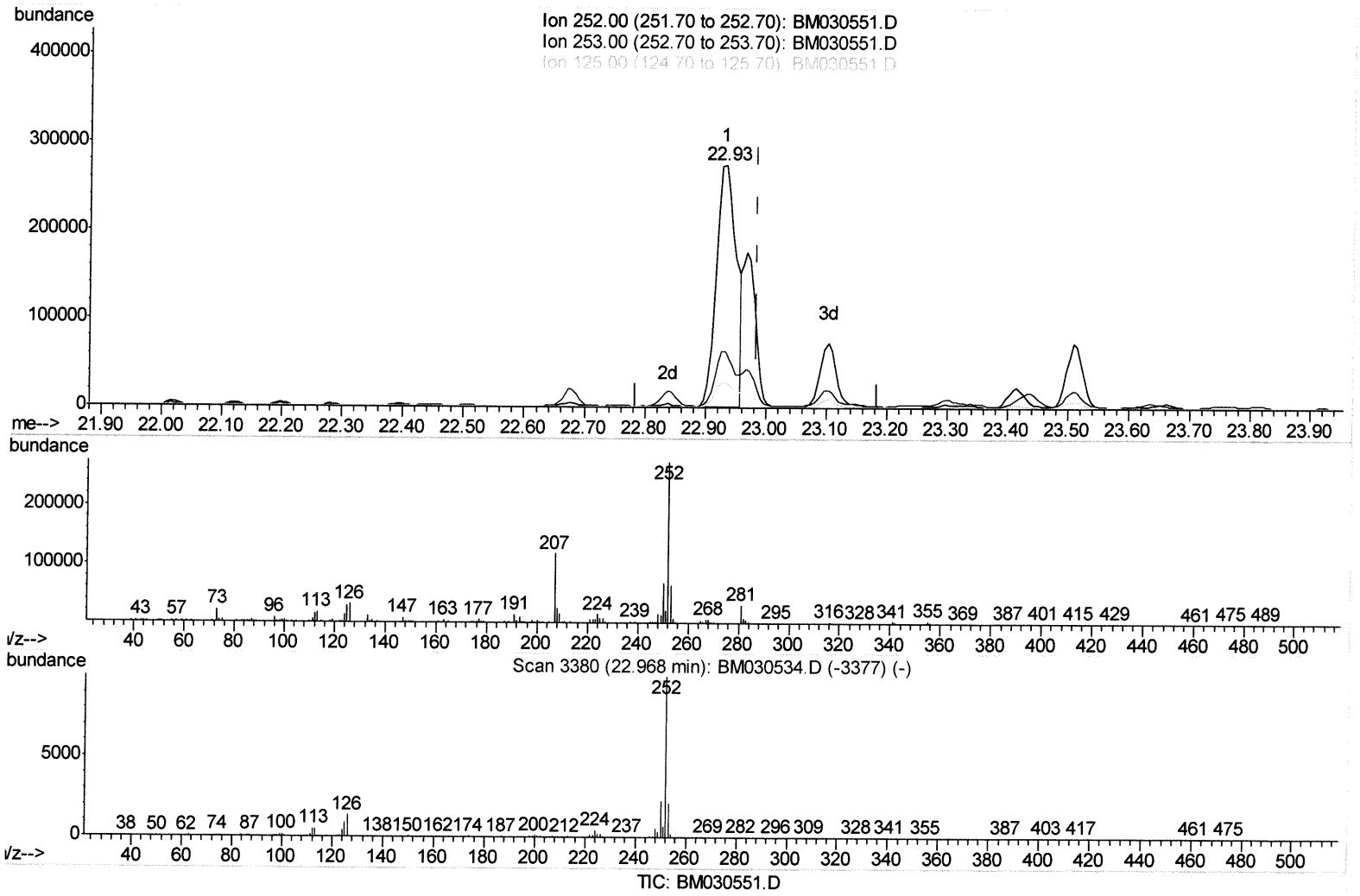
| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 56.00 | 73.70 | 0.00# |
| 54.00 | 35.80 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030551.D
Acq On : 23 Jun 2021 13:49
Operator : CG/JU
Sample : M2662-11DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Jun 23 14:25:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 22 15:07:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDF5DL

**Manual Integrations APPROVED**
mohammad
6/23/2021 4:49:26 PM




(91) Benzo(k)fluoranthene

22.933min (-0.053) 10.09ng/ul

response 622565

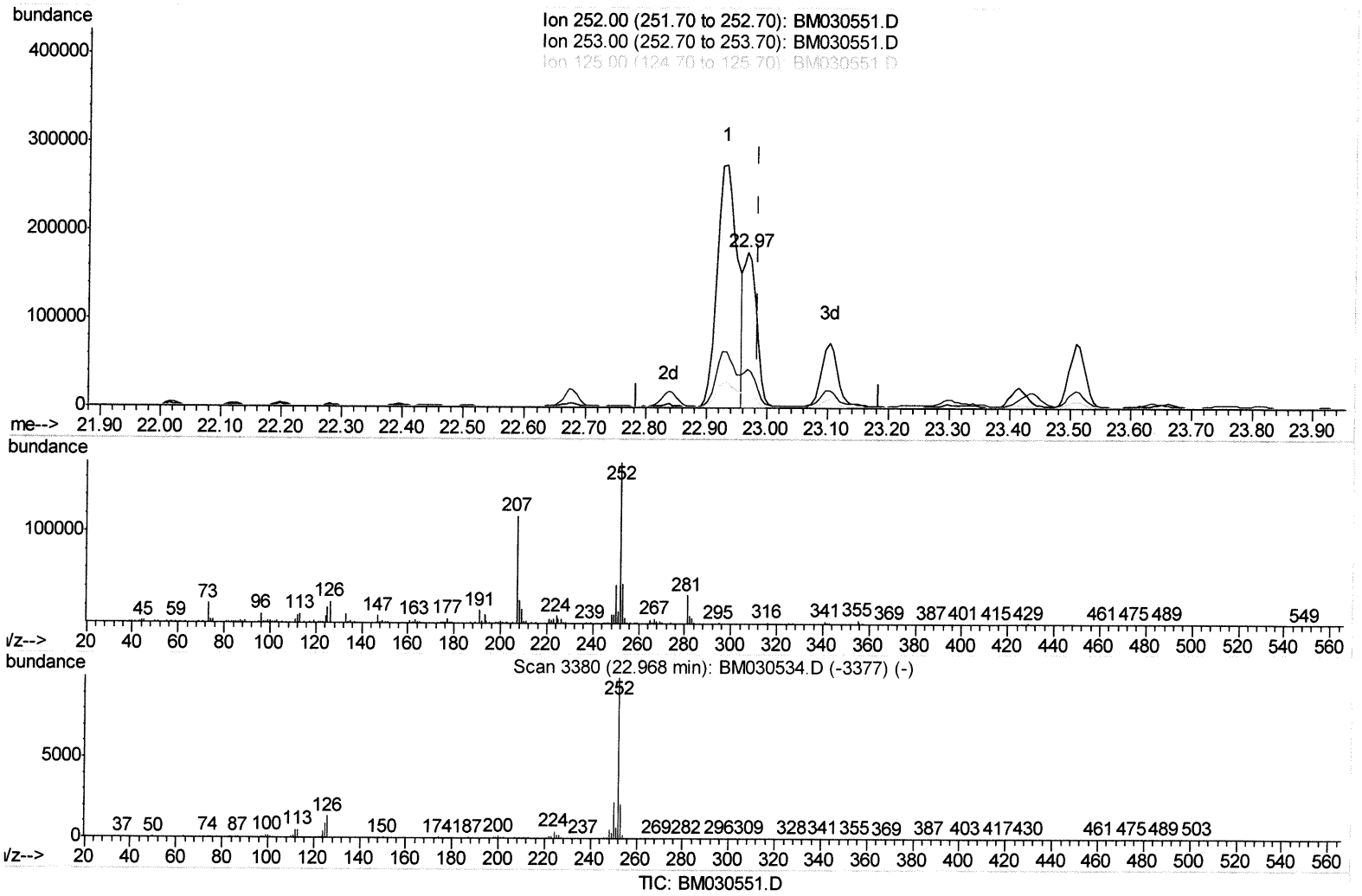
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 23.23 |
| 125.00 | 9.90 | 10.56 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030551.D
Acq On : 23 Jun 2021 13:49
Operator : CG/JU
Sample : M2662-11DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Jun 23 14:25:28 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 22 15:07:37 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BGDF5DL

**Manual Integrations APPROVED**
mohammad
6/23/2021 4:49:26 PM










(91) Benzo(k)fluoranthene

22.968min (-0.018) 4.31ng/ul m

JU 6/26/21

response 265880

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 24.56 |
| 125.00 | 9.90 | 9.94 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030551.D
Acq On : 23 Jun 2021 13:49
Operator : CG/JU
Sample : M2662-11DL 10X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDF5DL

Manual Integrations APPROVED
mohammad
6/23/2021 4:49:26 PM

Quant Time: Jun 23 14:28:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 22 15:07:37 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 239492 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.59 | 136 | 1000531 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.43 | 164 | 647027 | 20.00 | ng/ul | -0.01 |
| 64) Phenanthrene-d10 | 17.17 | 188 | 1190816 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.34 | 240 | 948375 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.61 | 264 | 1011490 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 1820 | 0.31 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.70 | 84 | 279 | 0.02 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.97 | 99 | 41679 | 2.02 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.14 | 67 | 25057 | 1.93 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.34 | 132 | 30777 | 1.93 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.51 | 113 | 35878 | 2.23 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.96 | 128 | 15092 | 2.02 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.69 | 143 | 15636 | 1.88 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.22 | 165 | 33482 | 2.11 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.74 | 131 | 39538 | 1.78 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.85 | 166 | 112401 | 2.52 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.13 | 160 | 131554 | 2.27 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.65 | 143 | 7626 | 0.90 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.43 | 176 | 101351 | 2.56 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 4731 | 0.61 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.27 | 188 | 141928 | 2.55 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.56 | 212 | 108029 | 2.17 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 23.47 | 264 | 83333 | 1.58 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 56) Dibenzofuran | 14.83 | 168 | 74942 | 1.377 | ng/ul | 98 |
| 61) Fluorene | 15.48 | 166 | 103102 | 2.299 | ng/ul | 100 |
| 72) Phenanthrene | 17.22 | 178 | 1532203 | 23.960 | ng/ul | 99 |
| 74) Anthracene | 17.30 | 178 | 702914 | 10.750 | ng/ul | 99 |
| 80) Fluoranthene | 19.23 | 202 | 2057192 | 33.896 | ng/ul | 98 |
| 82) Pyrene | 19.59 | 202 | 794018 | 12.451 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.33 | 228 | 799468 | 13.584 | ng/ul | 98 |
| 87) Chrysene | 21.38 | 228 | 583896 | 10.177 | ng/ul | 97 |
| 90) Benzo(b)fluoranthene | 22.93 | 252 | 622565 | 9.695 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 22.97 | 252 | 265880m | 4.308 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.51 | 252 | 135080 | 2.339 | ng/ul# | 93 |
| 94) Indeno(1,2,3-cd)pyrene | 25.91 | 276 | 123271 | 1.696 | ng/ul | 94 |
| 95) Dibenzo(a,h)anthracene | 25.91 | 278 | 76763 | 1.274 | ng/ul# | 91 |

JH 6/28/21

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