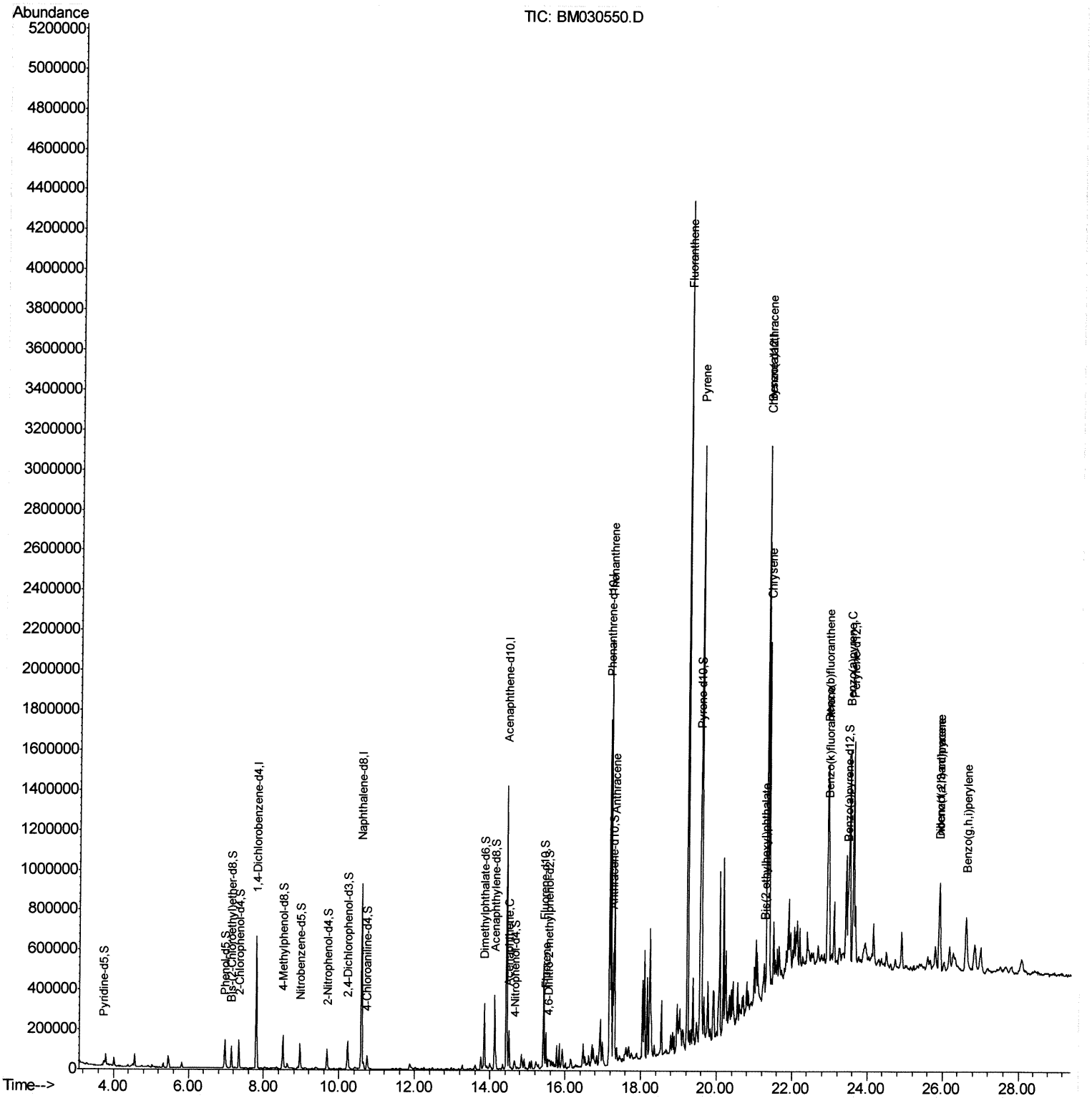
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030550.D
Acq On : 23 Jun 2021 13:12
Operator : CG/JU
Sample : M2662-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 23 14:05:05 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 :**
BGDH3DL

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

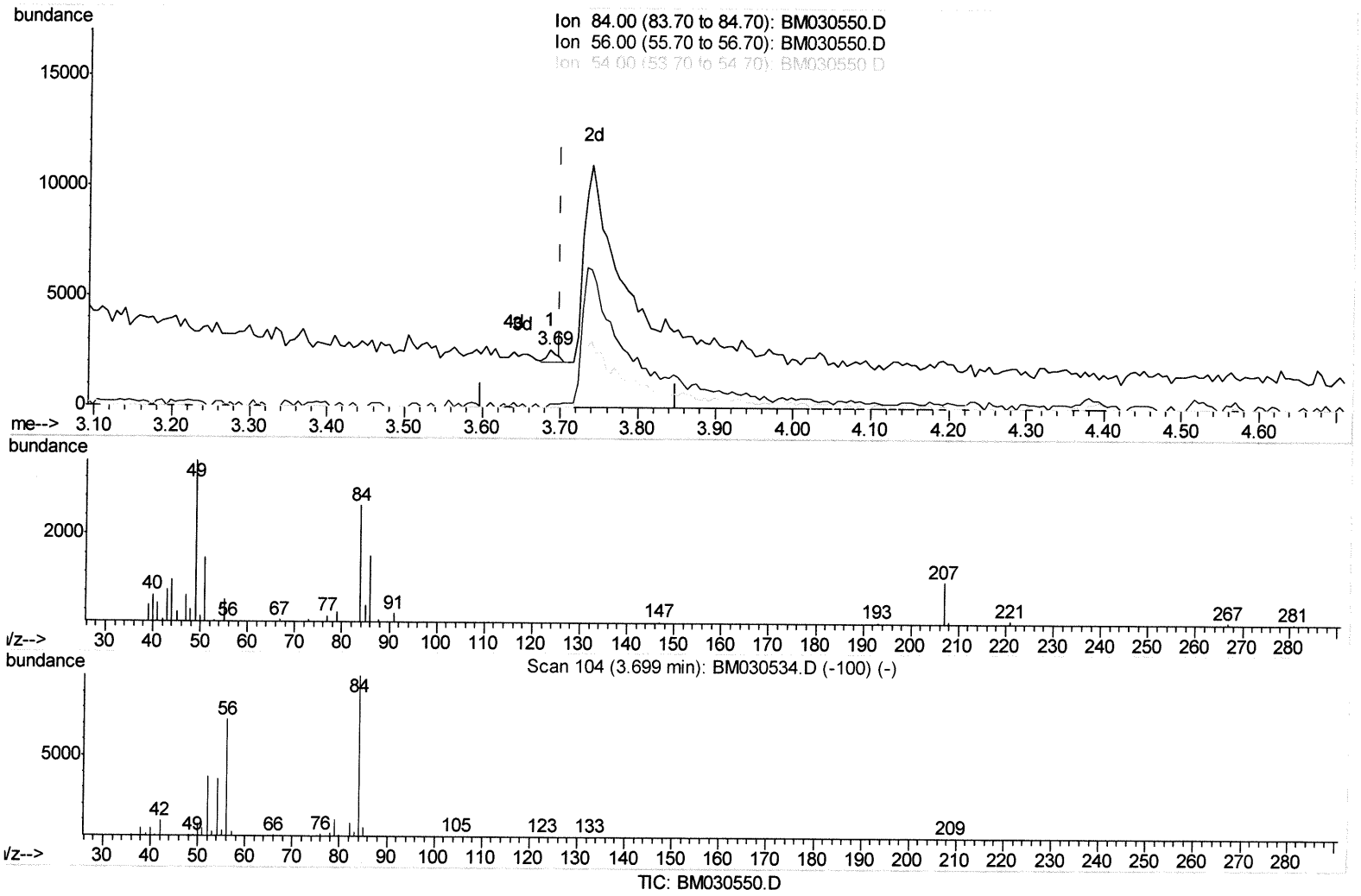


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030550.D
Acq On : 23 Jun 2021 13:12
Operator : CG/JU
Sample : M2662-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 23 14:02:28 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 :**
BGDH3DL

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




(4) Pyridine-d5 (S)

3.687min (-0.012) 0.04ng/ul

response 474

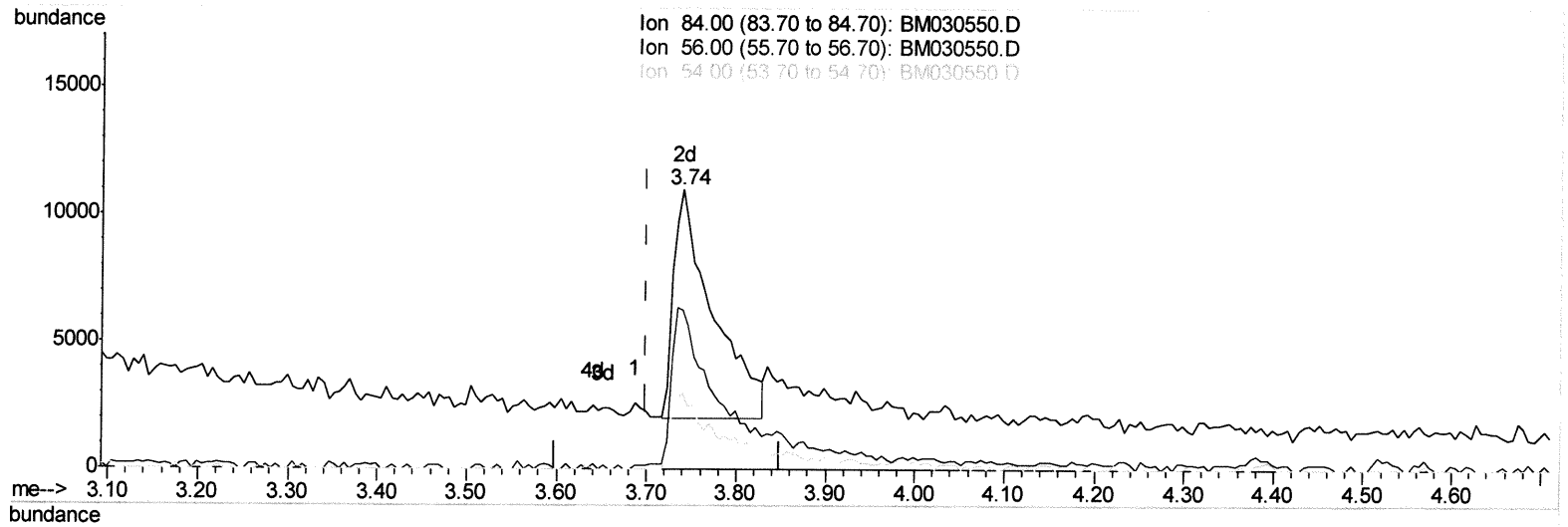
| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 56.00 | 73.70 | 6.07# |
| 54.00 | 35.80 | 0.00# |
| 0.00 | 0.00 | 0.00 |

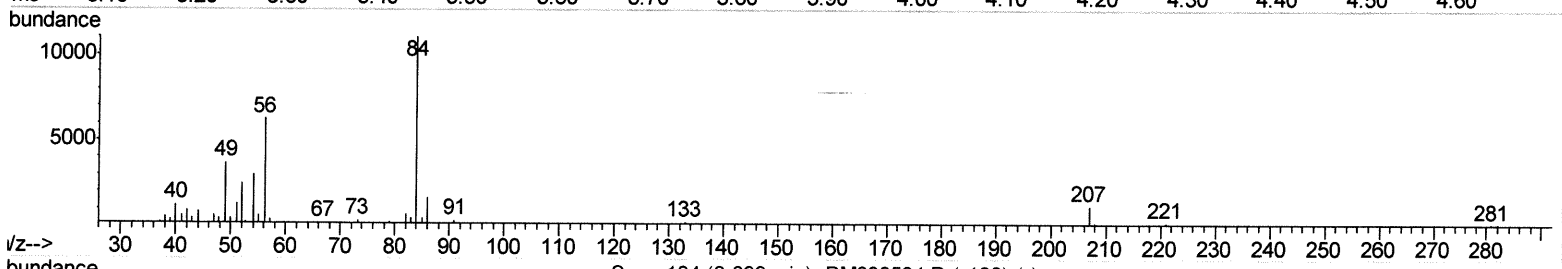
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030550.D
Acq On : 23 Jun 2021 13:12
Operator : CG/JU
Sample : M2662-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 23 14:02:28 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

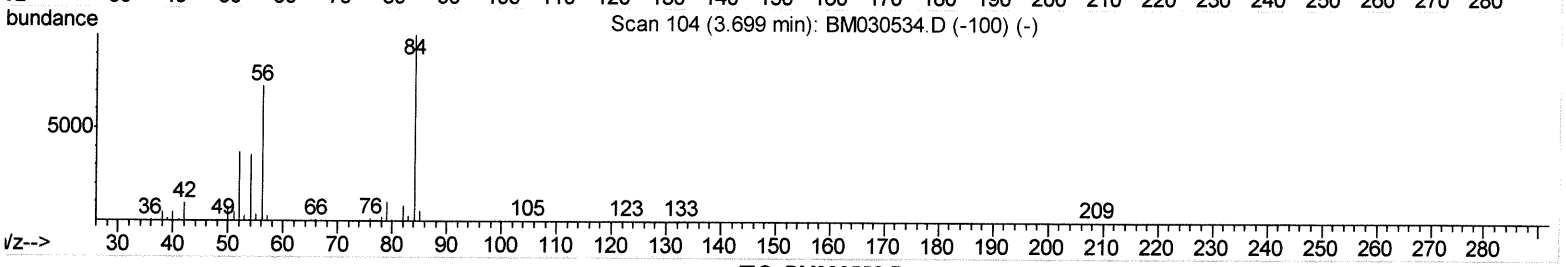
**Instrument :**
BNA_M
**ClientSampleId :**
BGDH3DL

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




Scan 104 (3.699 min): BM030534.D (-100) (-)




TIC: BM030550.D

(4) Pyridine-d5 (S)

3.740min (+0.041) 2.33ng/ul m JU 6/28/21

response 27464

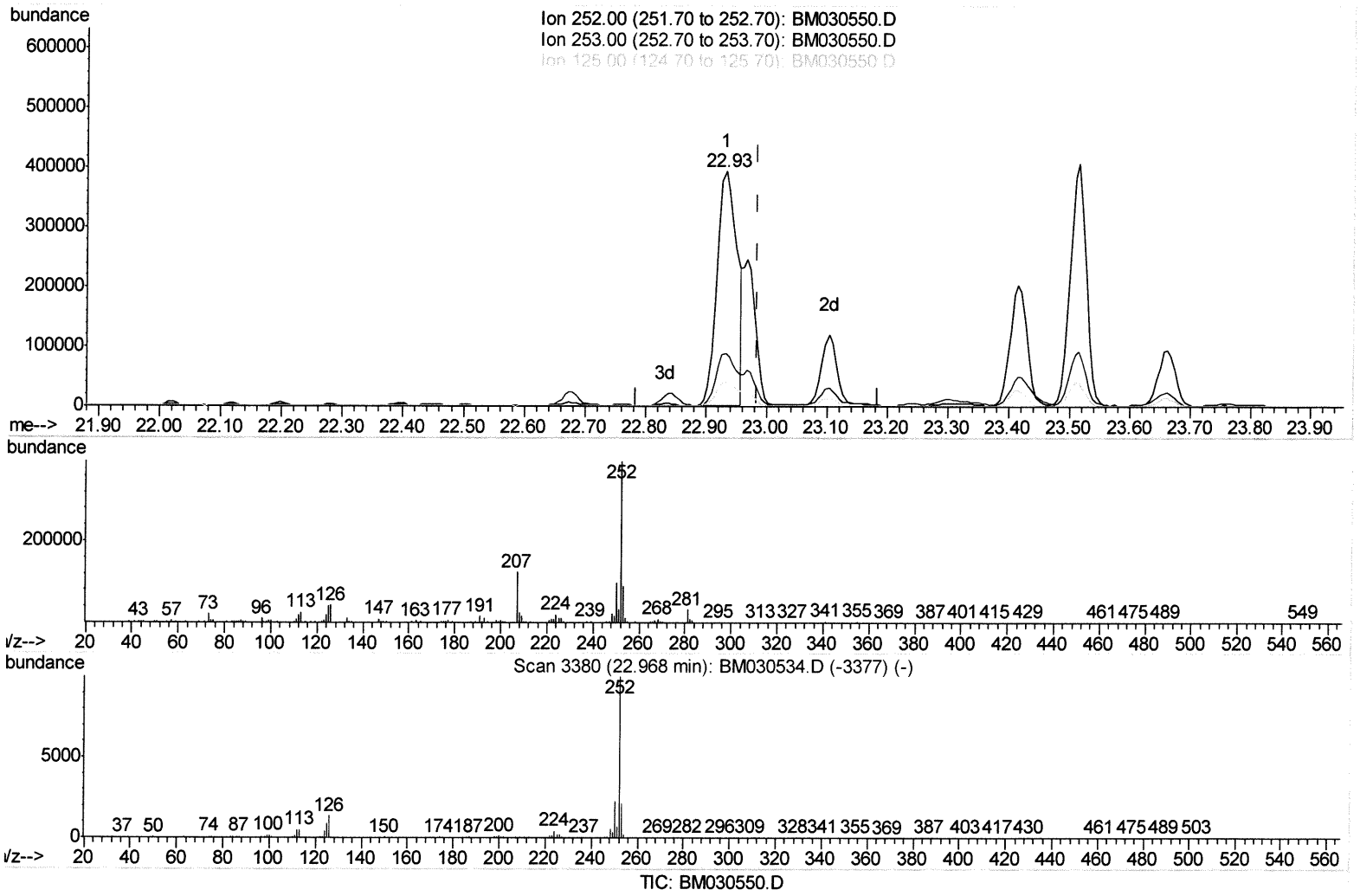
| Ion | Exp% | Act% |
|---|---|---|
| 84.00 | 100 | 100 |
| 56.00 | 73.70 | 56.77# |
| 54.00 | 35.80 | 27.20# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030550.D
Acq On : 23 Jun 2021 13:12
Operator : CG/JU
Sample : M2662-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 23 14:02:28 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 :**
BGDH3DL

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







Scan 3380 (22.968 min): BM030534.D (-3377) (-)




TIC: BM030550.D

(91) Benzo(k)fluoranthene

22.933min (-0.053) 19.34ng/ul

response 891299

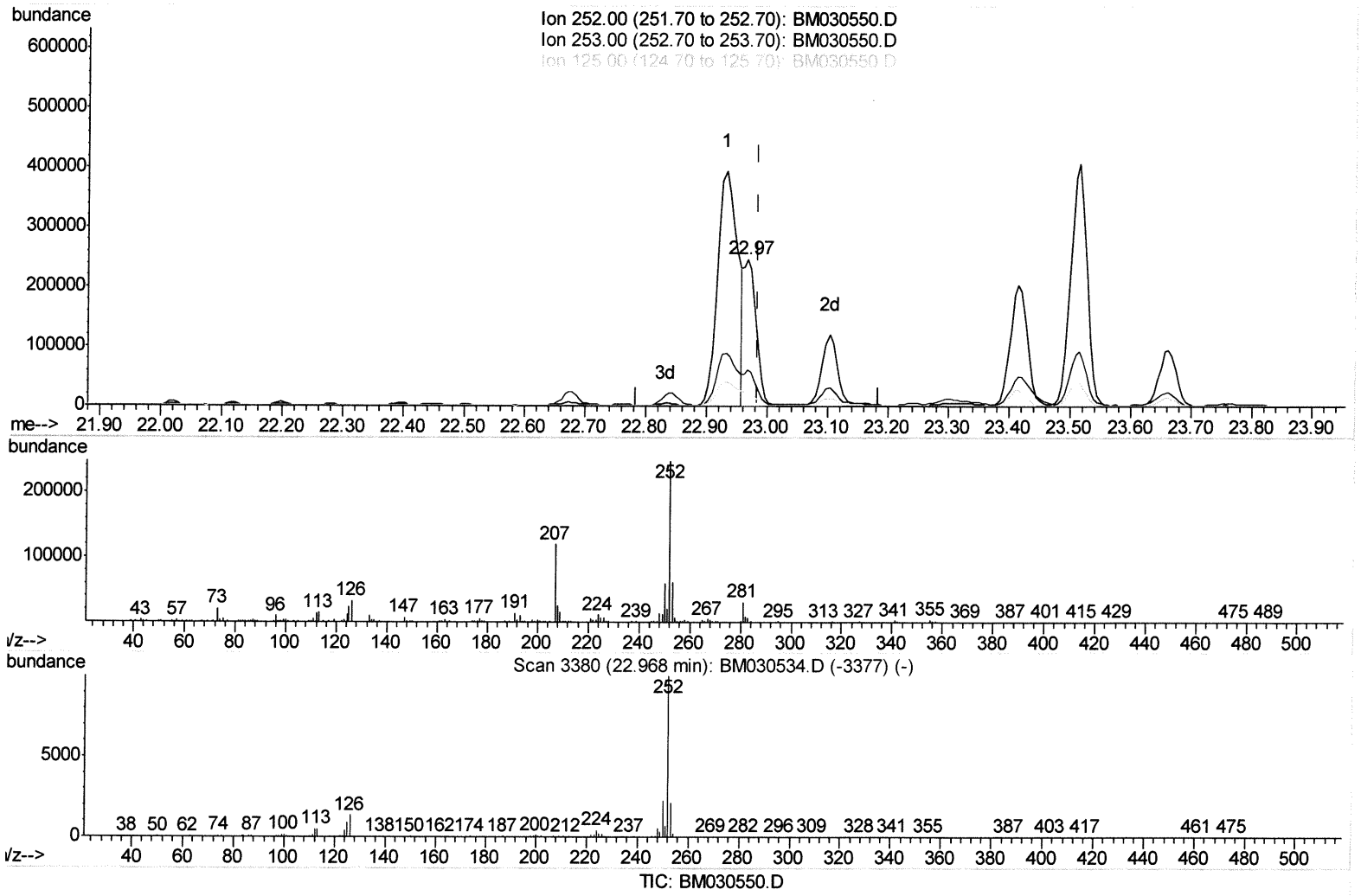
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 22.68 |
| 125.00 | 9.90 | 10.50 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030550.D
Acq On : 23 Jun 2021 13:12
Operator : CG/JU
Sample : M2662-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 23 14:02:28 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 :**
BGDH3DL

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




(91) Benzo(k)fluoranthene

22.968min (-0.018) 8.02ng/ul m JU 6/26/21

response 369661

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 24.73 |
| 125.00 | 9.90 | 9.79 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062221\
Data File : BM030550.D
Acq On : 23 Jun 2021 13:12
Operator : CG/JU
Sample : M2662-06DL 5X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BGDH3DL

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

Quant Time: Jun 23 14:05:05 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 | 177562 | 20.00 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.59 | 136 | 746524 | 20.00 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.44 | 164 | 489222 | 20.00 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.17 | 188 | 1004113 | 20.00 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.34 | 240 | 783223 | 20.00 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.61 | 264 | 755513 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 4240 | 0.97 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.74 | 84 | 27464m | 2.33 | ng/ul | 0.04 |
| 7) Phenol-d5 | 6.97 | 99 | 77760 | 5.08 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)ether-d | 7.14 | 67 | 51496 | 5.35 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.34 | 132 | 63679 | 5.39 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.51 | 113 | 66710 | 5.60 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.96 | 128 | 28491 | 5.11 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.68 | 143 | 29150 | 4.71 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.22 | 165 | 62582 | 5.28 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.74 | 131 | 44102 | 2.67 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.84 | 166 | 215818 | 6.39 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.13 | 160 | 257009 | 5.86 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.65 | 143 | 10129 | 1.58 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.43 | 176 | 195730 | 6.53 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 11393 | 1.73 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.27 | 188 | 308073 | 6.57 | ng/ul | -0.01 |
| 81) Pyrene-d10 | 19.56 | 212 | 333407 | 8.12 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.47 | 264 | 254318 | 6.47 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 52) Acenaphthene | 14.50 | 153 | 77597 | 2.629 | ng/ul | 98 |
| 61) Fluorene | 15.48 | 166 | 69277 | 2.043 | ng/ul | 98 |
| 72) Phenanthrene | 17.22 | 178 | 1218400 | 22.595 | ng/ul | 100 |
| 74) Anthracene | 17.30 | 178 | 632839 | 11.478 | ng/ul | 99 |
| 80) Fluoranthene | 19.23 | 202 | 2423774 | 48.358 | ng/ul | 99 |
| 82) Pyrene | 19.59 | 202 | 1877620 | 35.652 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.33 | 228 | 1102559 | 22.684 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phthalate | 21.26 | 149 | 46035 | 1.846 | ng/ul# | 95 |
| 87) Chrysene | 21.38 | 228 | 869171 | 18.343 | ng/ul | 98 |
| 90) Benzo(b)fluoranthene | 22.93 | 252 | 891299 | 18.582 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 22.97 | 252 | 369661m | 8.019 | ng/ul | |
| 93) Benzo(a)pyrene | 23.51 | 252 | 744534 | 17.263 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 25.90 | 276 | 412428 | 7.596 | ng/ul | 95 |
| 95) Dibenzo(a,h)anthracene | 25.91 | 278 | 115314 | 2.562 | ng/ul# | 92 |
| 96) Benzo(g,h,i)perylene | 26.61 | 276 | 320277 | 7.070 | ng/ul | 96 |

JU 6/25/21

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