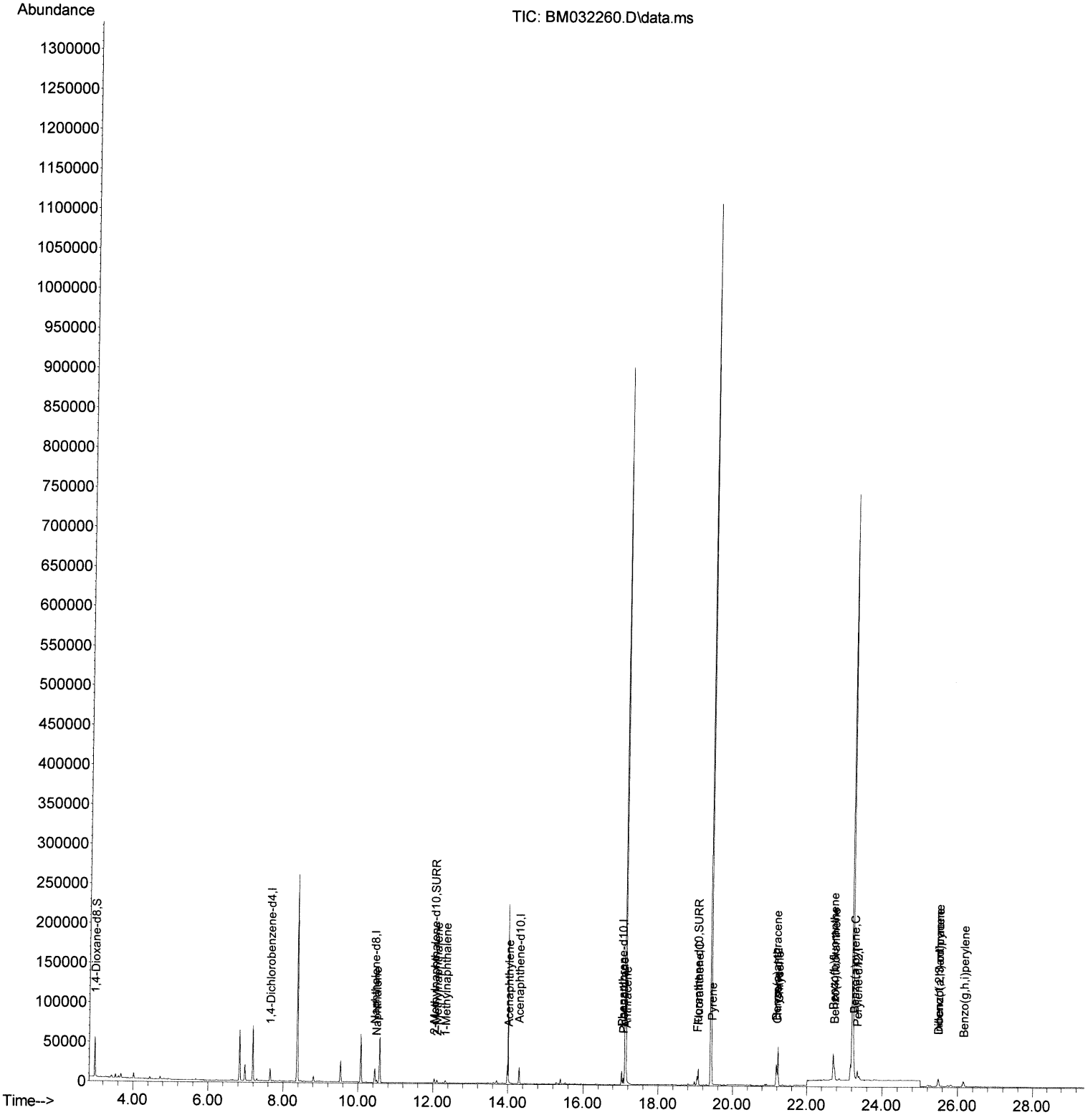
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AL5

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
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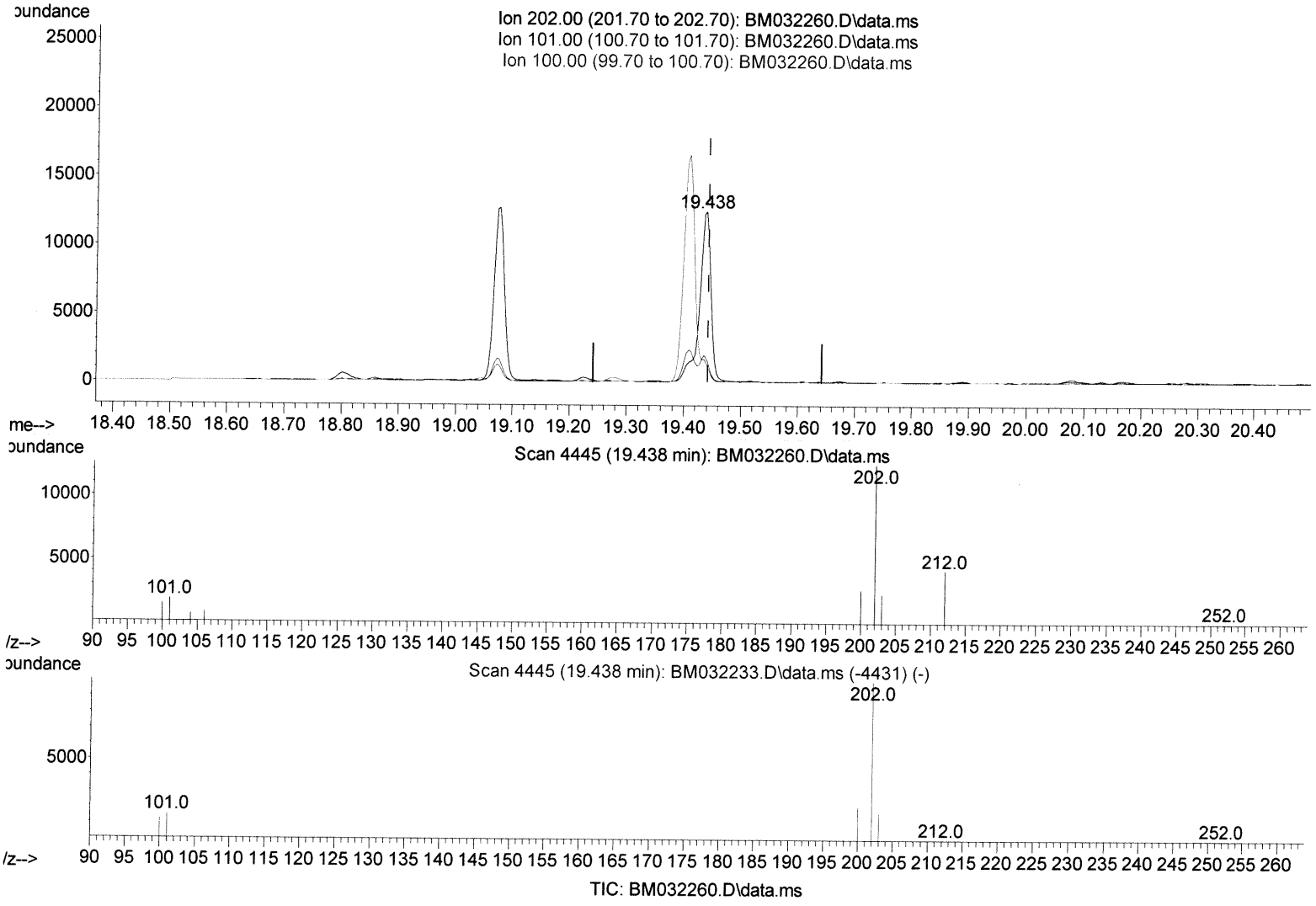
**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM




(20) Pyrene

19.438min (-0.004) 0.30 ng/ul

response 17580

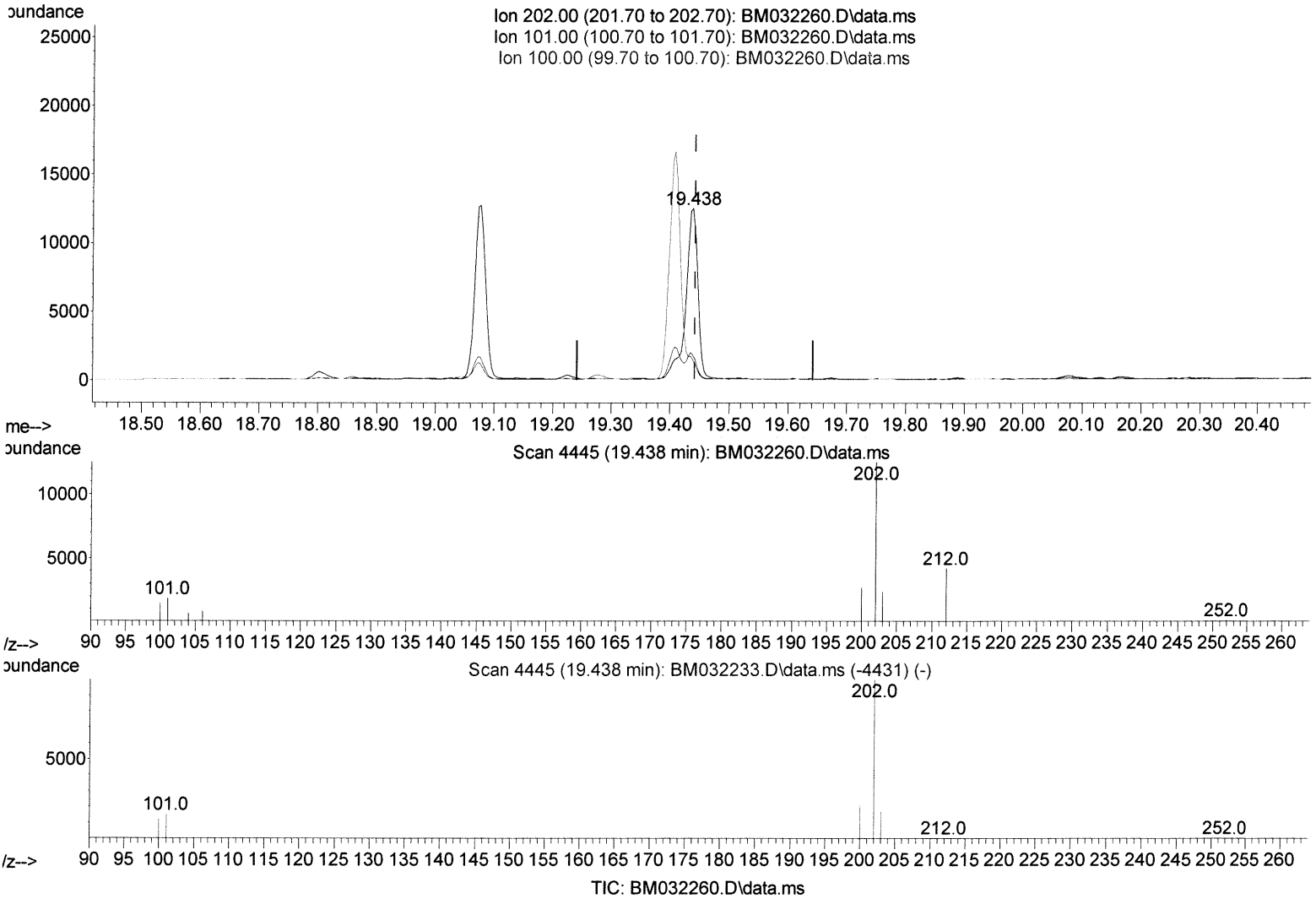
| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.10 | 14.69 |
| 100.00 | 12.20 | 11.95 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AL5

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM




(20) Pyrene

19.438min (-0.004) 0.27 ng/ul m JU 10/04/21

response 15881

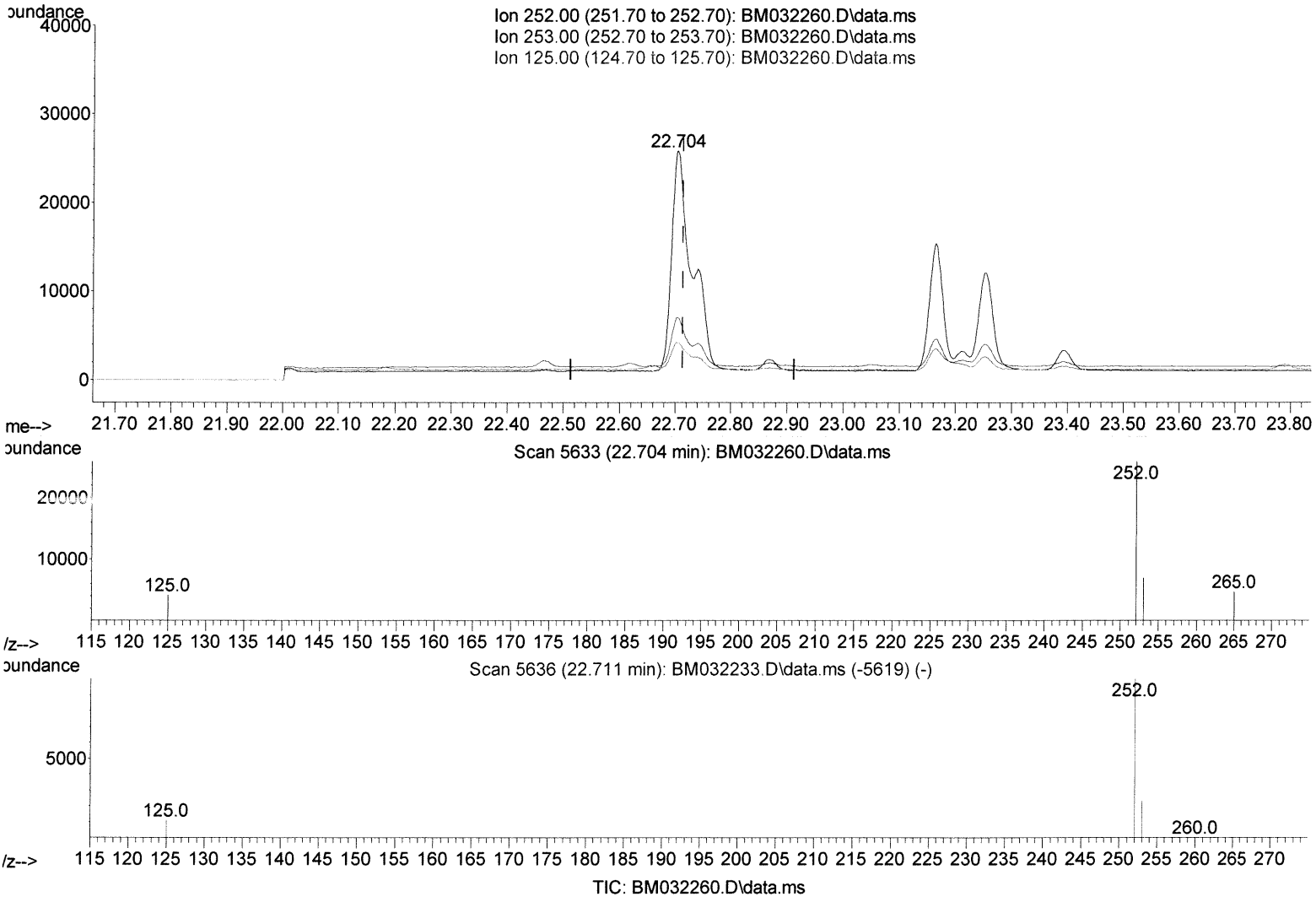
| Ion | Exp% | Act% |
|---|---|---|
| 202.00 | 100.00 | 100.00 |
| 101.00 | 15.10 | 14.69 |
| 100.00 | 12.20 | 11.95 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AL5

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM




(24) Benzo(b)fluoranthene

22.704min (-0.010) 0.93 ng/ul

response 64591

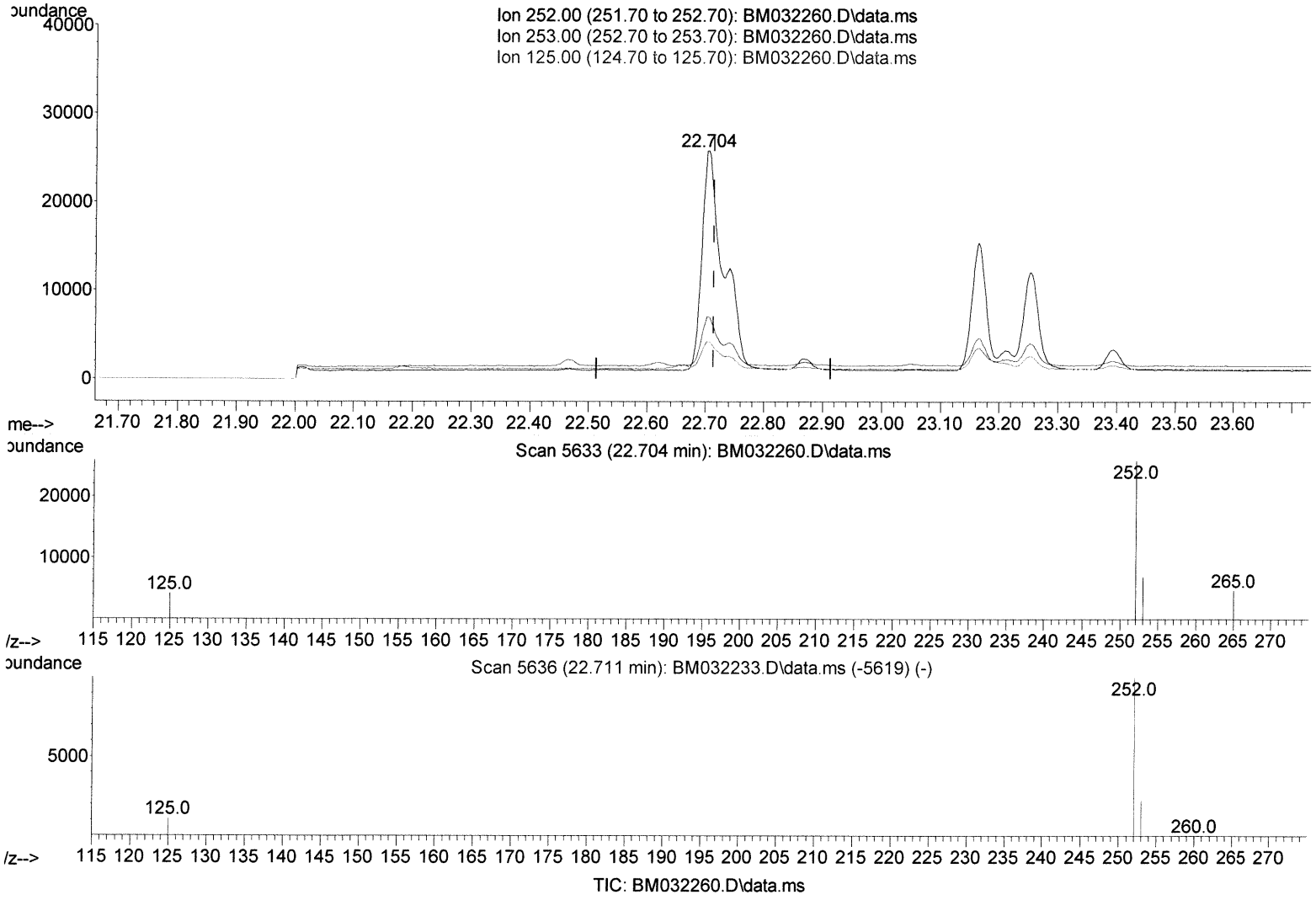
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.00 | 27.19 |
| 125.00 | 15.70 | 16.13 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AL5

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM




(24) Benzo(b)fluoranthene

22.704min (-0.010) 0.71 ng/ul m JU 10/04/21

response 49257

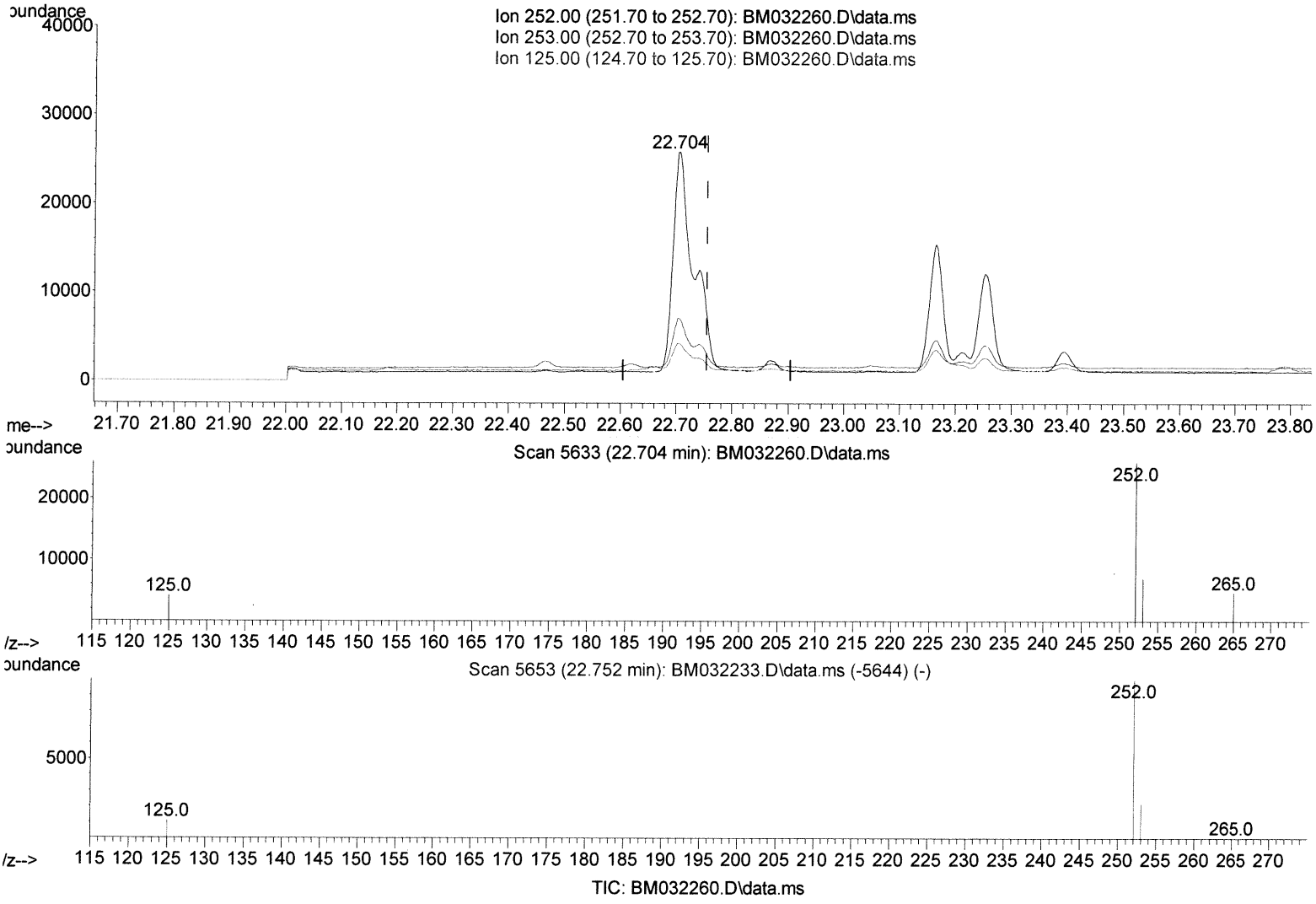
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 29.00 | 27.19 |
| 125.00 | 15.70 | 16.13 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AL5

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM




**(25) Benzo(k)fluoranthene**

22.704min (-0.051) 0.96 ng/ul

response 64616

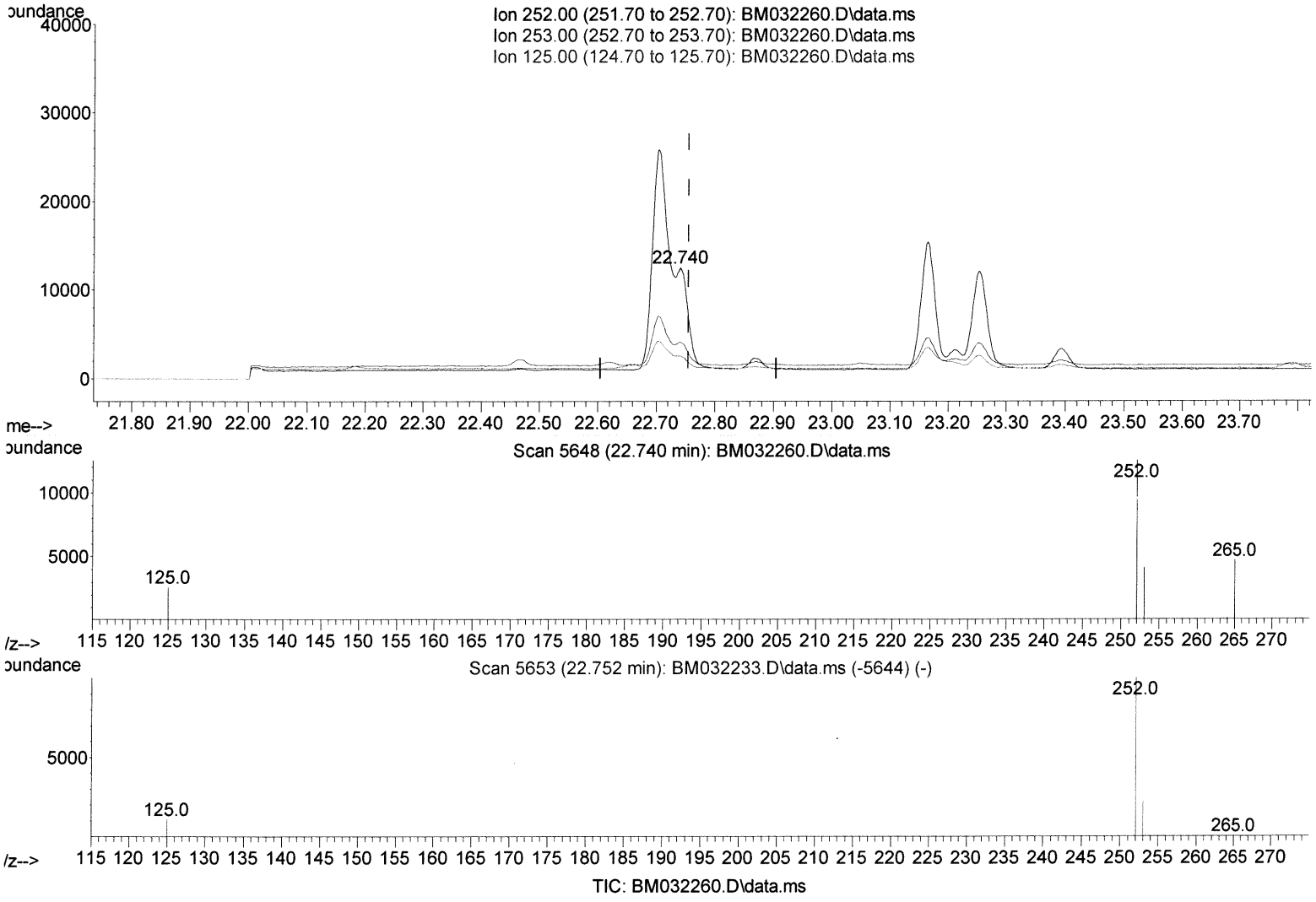
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.60 | 27.19 |
| 125.00 | 16.10 | 16.13 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0AL5

**Manual Integrations APPROVED**
mohammad
9/29/2021 12:52:35 PM




(25) Benzo(k)fluoranthene

22.740min (-0.015) 0.23 ng/ul m

response 15423

JL 10/04/21

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 28.60 | 32.93 |
| 125.00 | 16.10 | 20.67# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092721\
Data File : BM032260.D
Acq On : 29 Sep 2021 03:41
Operator : CG/JU
Sample : M3755-09
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0AL5

Manual Integrations APPROVED
mohammad
9/29/2021 12:52:35 PM

Quant Time: Sep 29 06:13:23 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM092721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 27 13:37:22 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.657 | 152 | 7179 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.447 | 136 | 22190 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.300 | 164 | 10431 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.026 | 188 | 18270 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.186 | 240 | 13903 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.349 | 264 | 13445 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.989 | 96 | 29703 | 3.849 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.039 | 152 | 6472 | 0.219 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.046 | 212 | 10849 | 0.287 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.497 | 128 | 4108 | 0.062 | ng/ul# | 94 |
| 7) 2-Methylnaphthalene | 12.111 | 142 | 2433 | 0.058 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.336 | 142 | 1925 | 0.047 | ng/ul | 98 |
| 10) Acenaphthylene | 14.016 | 152 | 1280 | 0.031 | ng/ul# | 76 |
| 15) Phenanthrene | 17.068 | 178 | 8372 | 0.141 | ng/ul | 98 |
| 16) Anthracene | 17.154 | 178 | 2962 | 0.060 | ng/ul# | 90 |
| 19) Fluoranthene | 19.076 | 202 | 16300 | 0.281 | ng/ul | 98 |
| 20) Pyrene | 19.438 | 202 | 15881m | 0.273 | ng/ul | JU 10/04/21 |
| 21) Benzo(a)anthracene | 21.171 | 228 | 19183 | 0.390 | ng/ul | 99 |
| 22) Chrysene | 21.222 | 228 | 43477 | 0.756 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.704 | 252 | 49257m | 0.706 | ng/ul | JU 10/04/21 |
| 25) Benzo(k)fluoranthene | 22.740 | 252 | 15423m | 0.229 | ng/ul | |
| 26) Benzo(a)pyrene | 23.252 | 252 | 20309 | 0.388 | ng/ul | 97 |
| 27) Indeno(1,2,3-cd)pyrene | 25.488 | 276 | 13308 | 0.199 | ng/ul# | 88 |
| 28) Dibenzo(a,h)anthracene | 25.486 | 278 | 4803 | 0.088 | ng/ul# | 74 |
| 29) Benzo(g,h,i)perylene | 26.147 | 276 | 12623 | 0.199 | ng/ul | 96 |

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