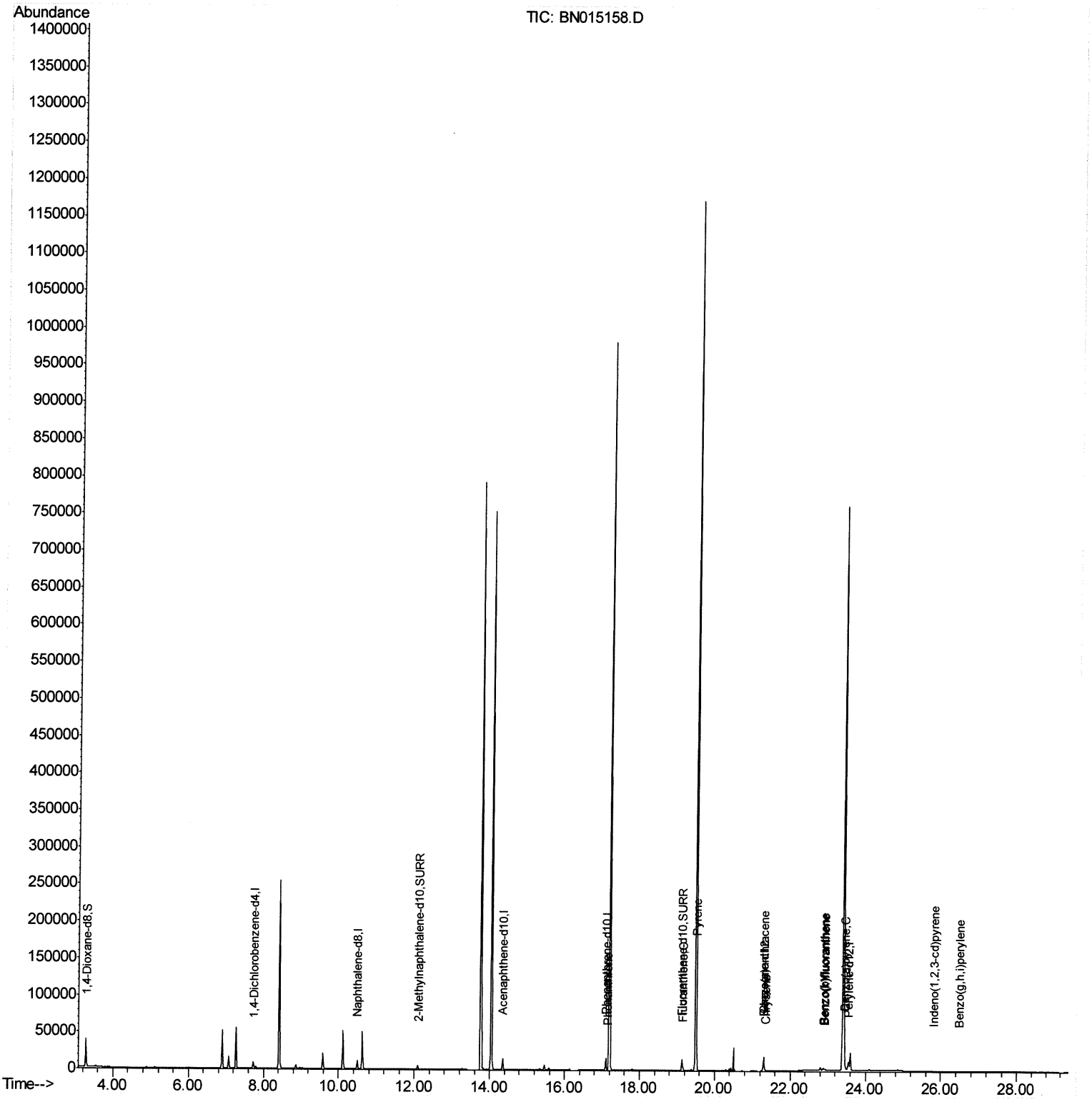
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 28 05:41:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM

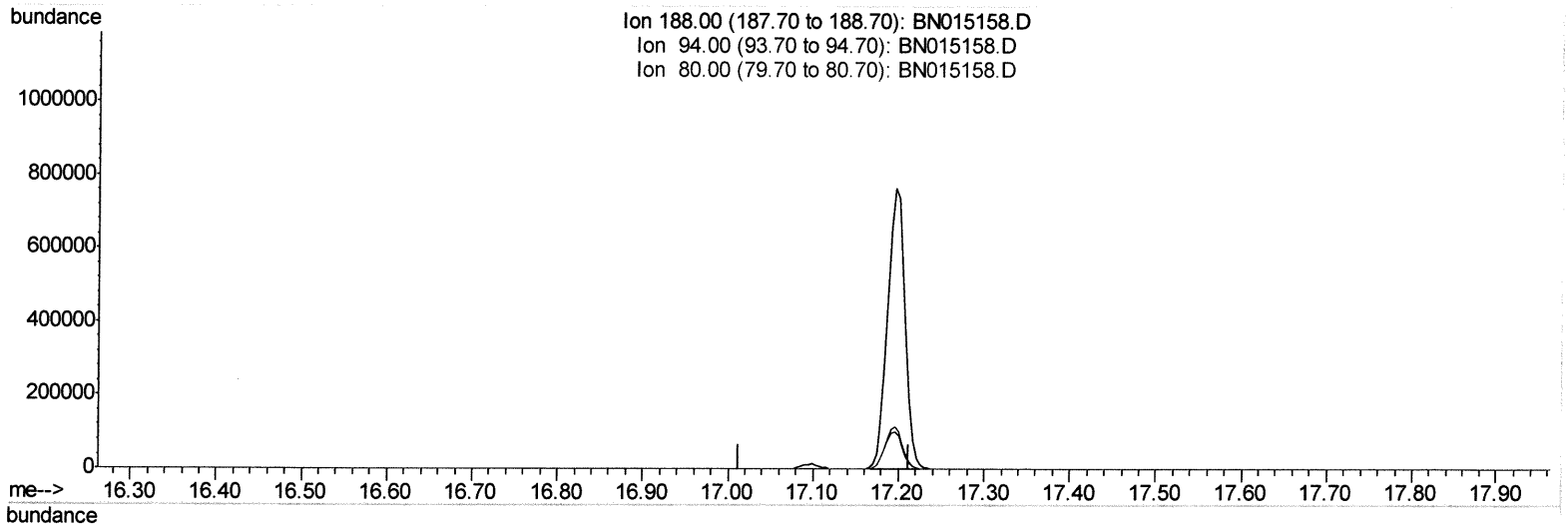


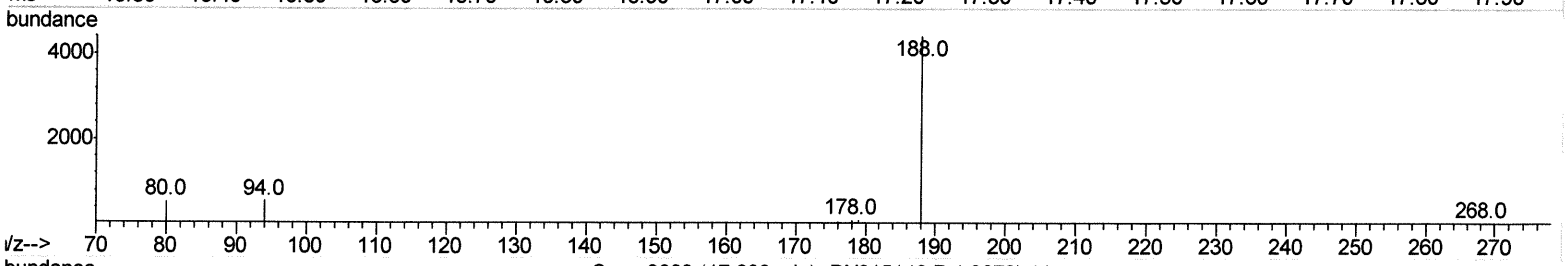
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

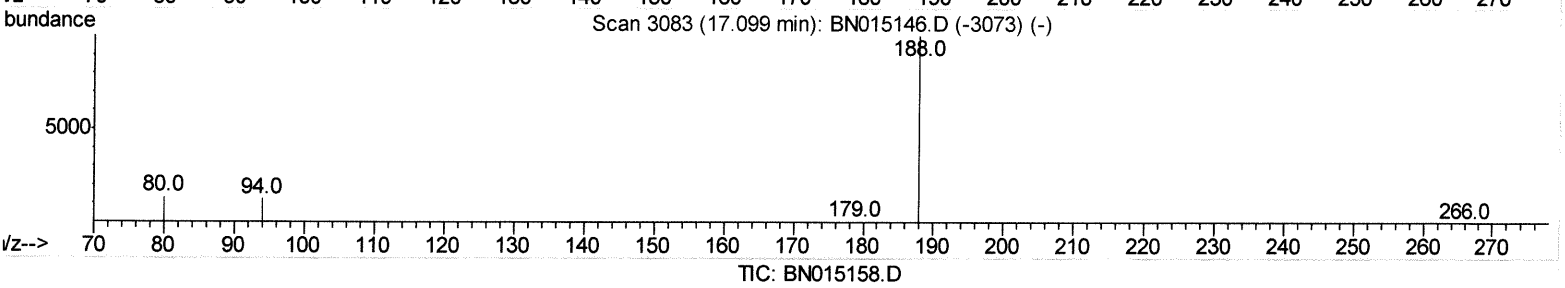
Quant Time: Jun 28 05:34:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM




(13) Phenanthrene-d10 (I)

17.113min (-17.113) 0.00ng/ul

response 0

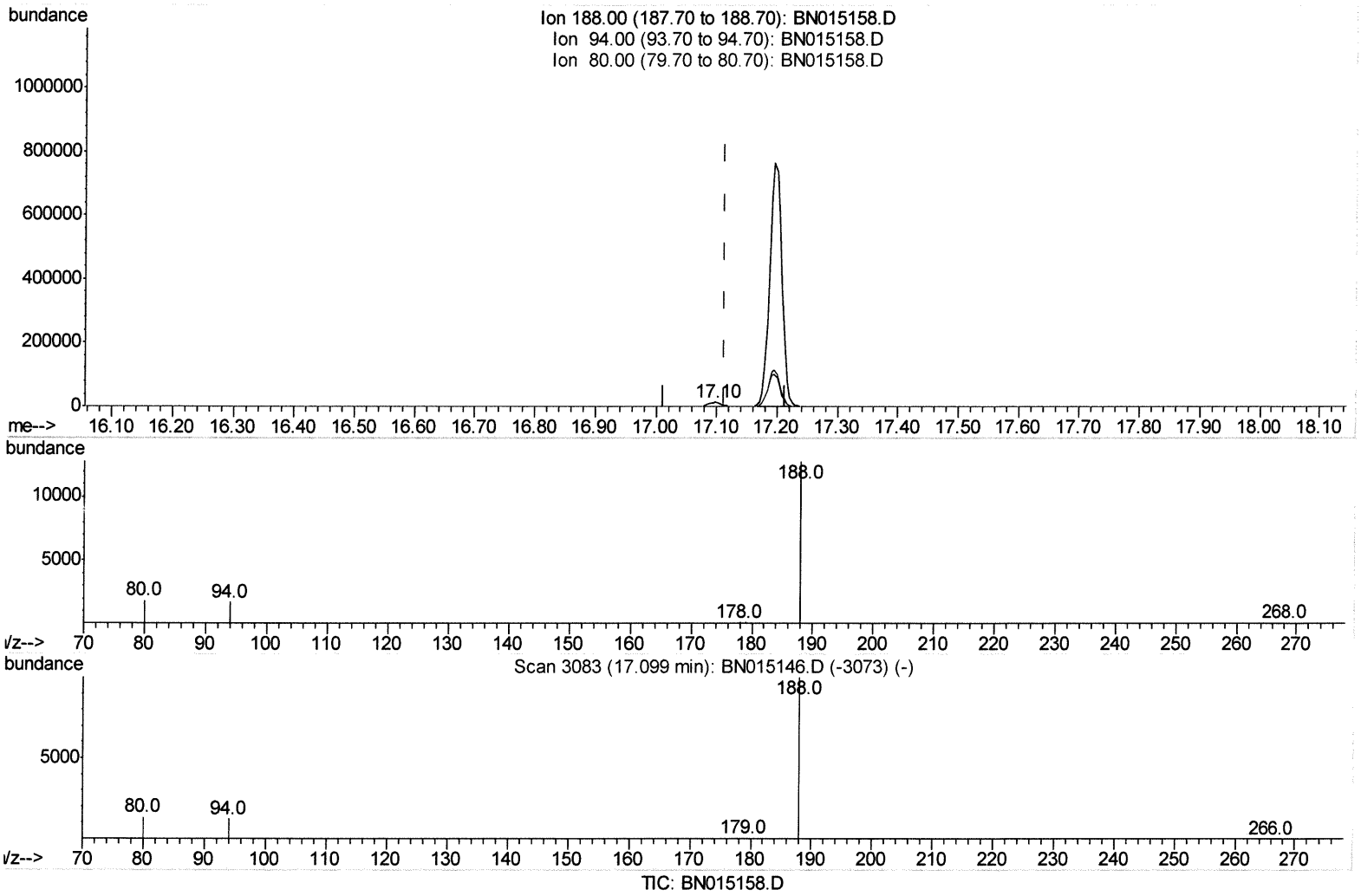
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 0.00 |
| 94.00 | 14.10 | 0.00# |
| 80.00 | 14.40 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 28 05:34:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM




(13) Phenanthrene-d10 (I)

17.098min (-0.015) 0.40ng/ul m JU 6/30/21

response 17728

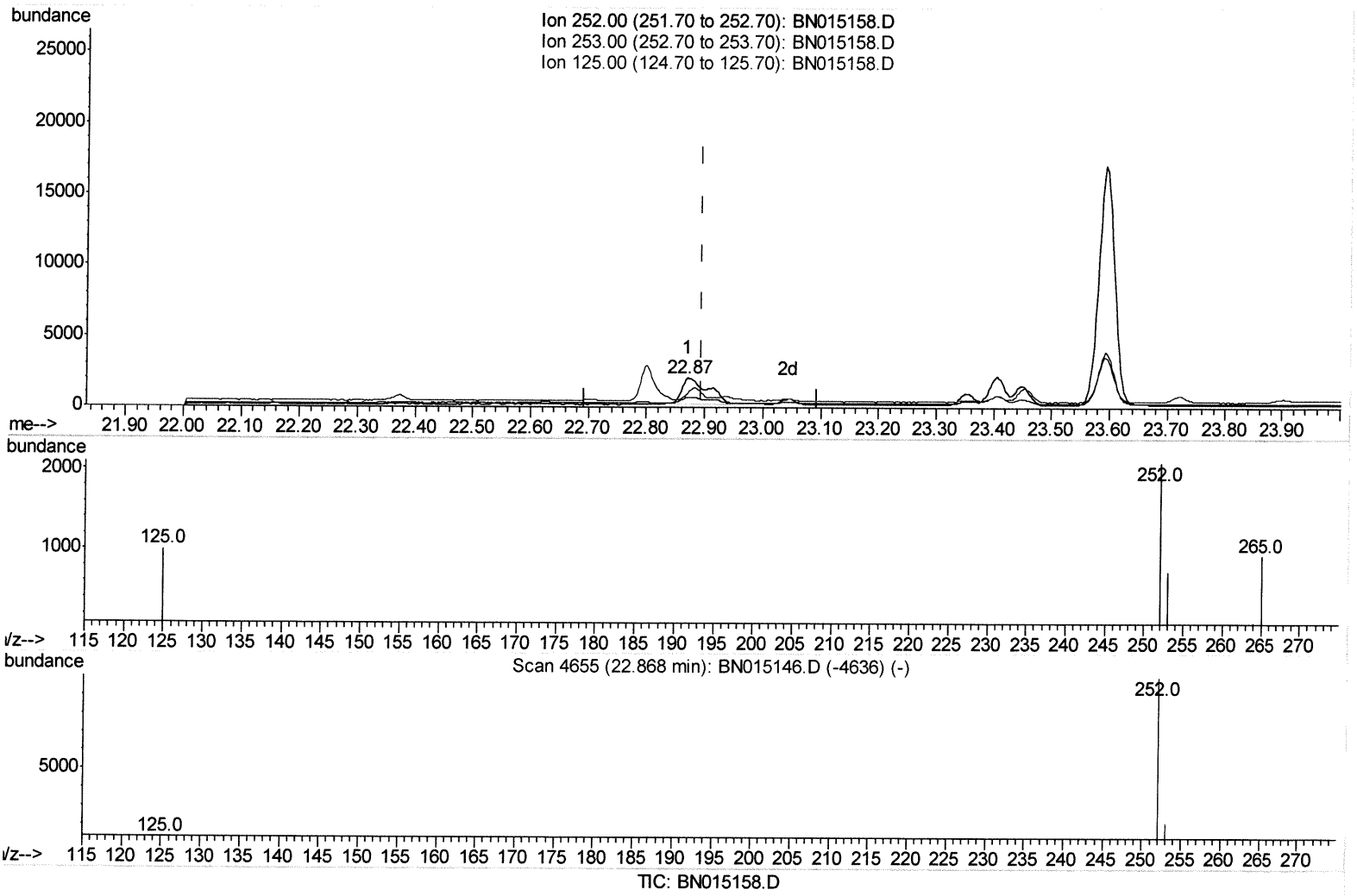
| Ion | Exp% | Act% |
|---|---|---|
| 188.00 | 100 | 100 |
| 94.00 | 14.10 | 13.17 |
| 80.00 | 14.40 | 14.05 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 28 05:38:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM



TIC: BN015158.D

(24) Benzo(b)fluoranthene

22.871min (-0.024) 0.08ng/ul

response 5948

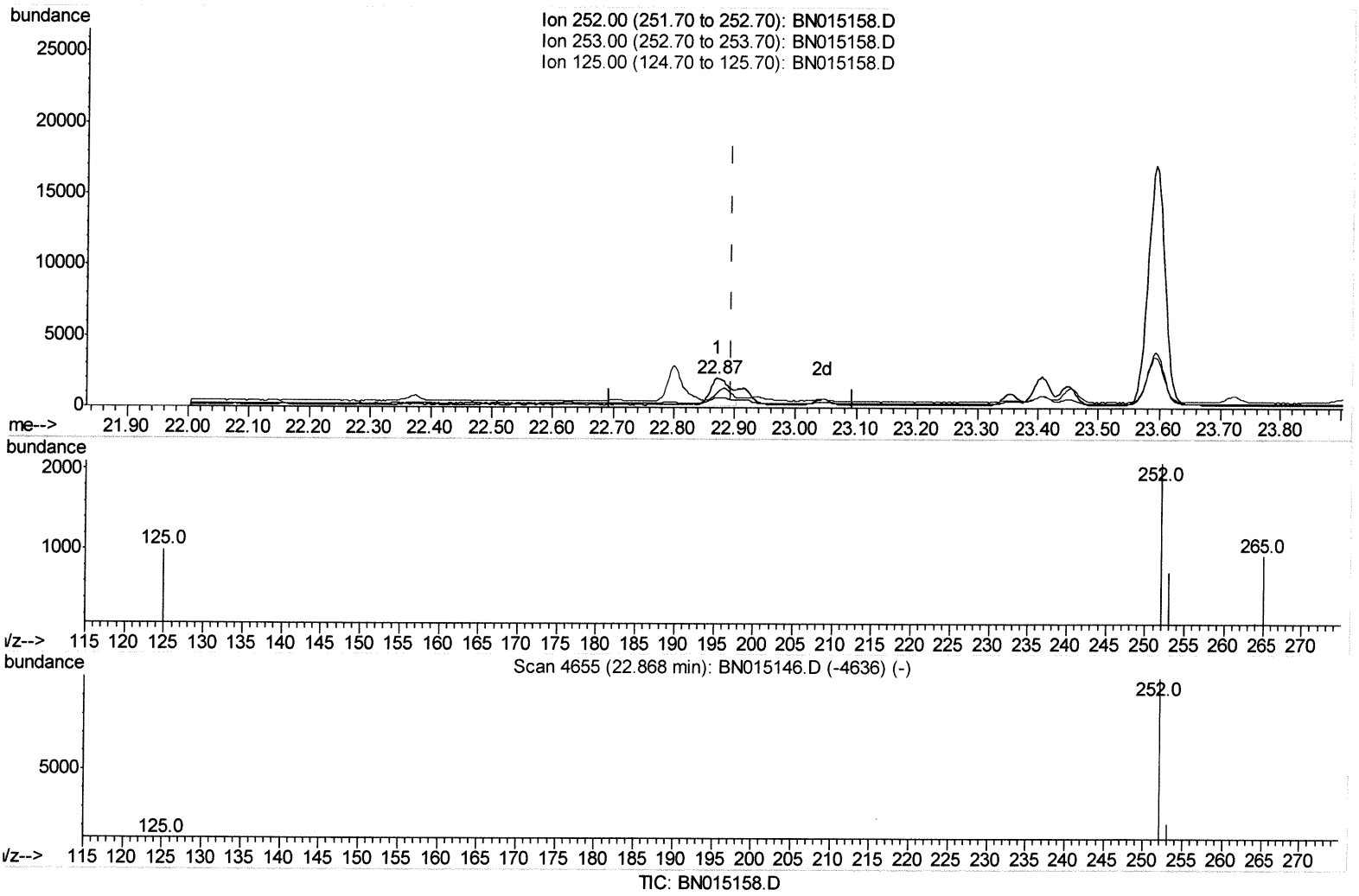
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.80 | 35.01 |
| 125.00 | 14.20 | 47.65# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 28 05:38:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM




(24) Benzo(b)fluoranthene

22.871min (-0.024) 0.06ng/ul m JU 6/30/21

response 4484

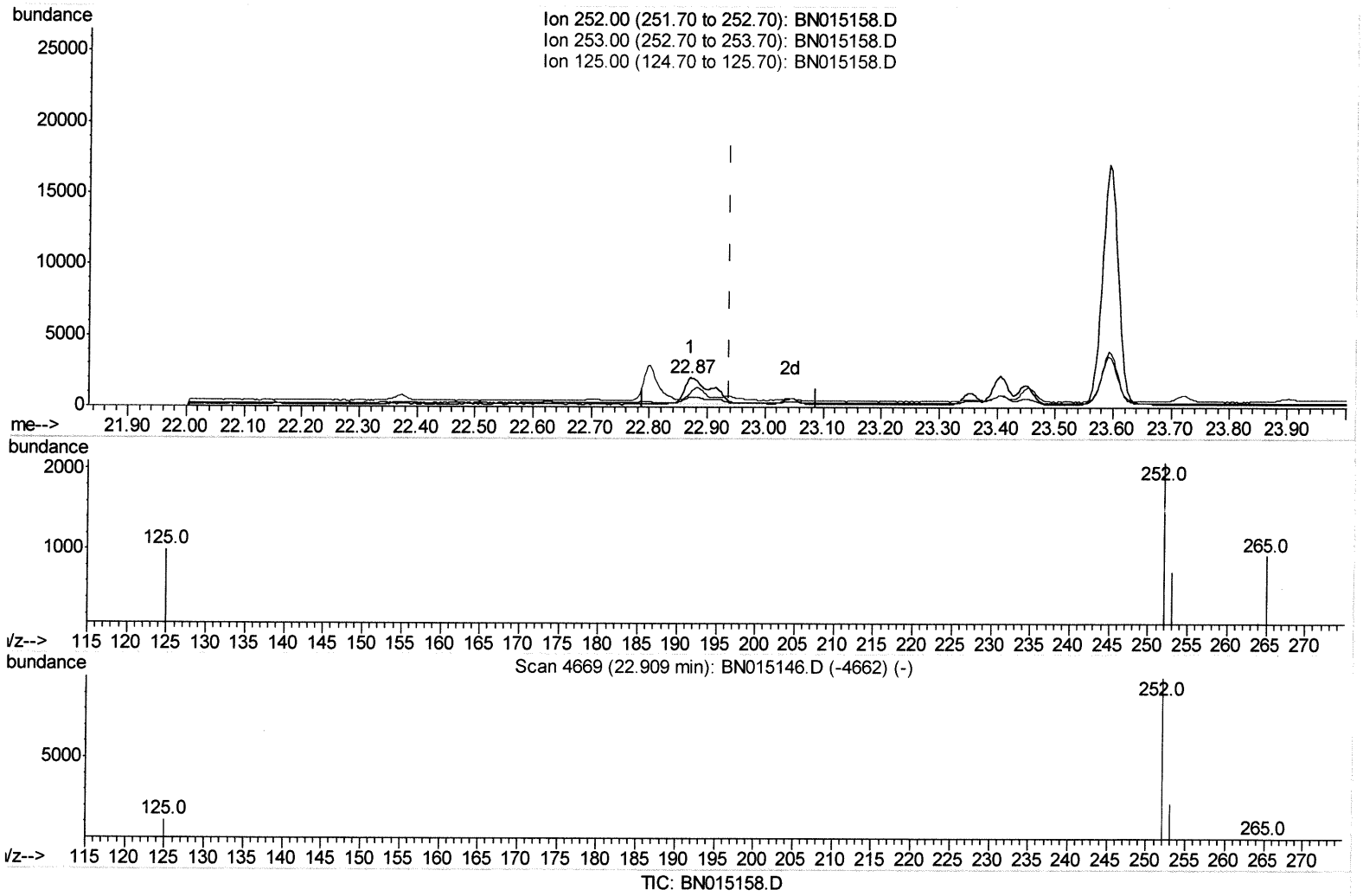
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.80 | 35.01 |
| 125.00 | 14.20 | 47.65# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 28 05:39:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM



TIC: BN015158.D

(25) Benzo(k)fluoranthene

22.871min (-0.067) 0.07ng/ul

response 5948

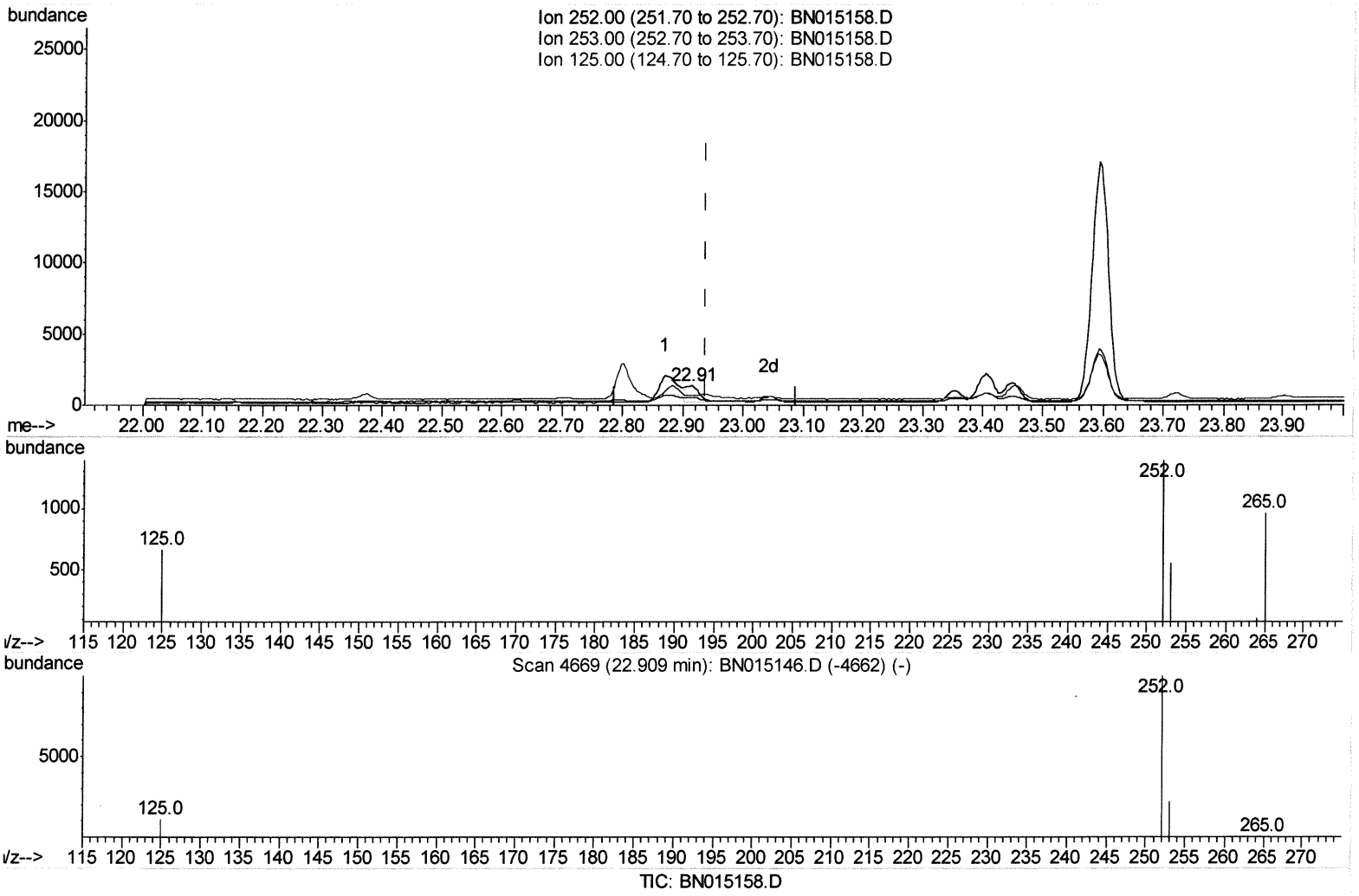
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.60 | 35.01# |
| 125.00 | 14.40 | 47.65# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 28 05:39:35 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM




(25) Benzo(k)fluoranthene

22.915min (-0.024) 0.02ng/ul m JU 6/30/21

response 1823

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 22.60 | 40.19# |
| 125.00 | 14.40 | 47.88# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\
Data File : BN015158.D
Acq On : 27 Jun 2021 18:03
Operator : CG/JU
Sample : M2704-10
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** BGDB9

**Manual Integrations APPROVED**
mohammad
6/28/2021 1:28:57 PM

Quant Time: Jun 28 05:41:32 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 28 05:16:57 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 4163 | 0.40 | ng/ul | -0.01 |
| 4) Naphthalene-d8 | 10.50 | 136 | 15190 | 0.40 | ng/ul | -0.01 |
| 9) Acenaphthene-d10 | 14.35 | 164 | 8551 | 0.40 | ng/ul | -0.01 |
| 13) Phenanthrene-d10 | 17.10 | 188 | 17728m | 0.40 | ng/ul | -0.01 |
| 17) Chrysene-d12 | 21.30 | 240 | 15272 | 0.40 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.54 | 264 | 15133 | 0.40 | ng/ul | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.29 | 96 | 23136 | 4.93 | ng/ul | -0.01 |
| 6) 2-Methylnaphthalene-d10 | 12.09 | 152 | 7158 | 0.30 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.13 | 212 | 15667 | 0.31 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 15) Phenanthrene | 17.14 | 178 | 2014 | 0.031 | ng/ul# | 90 |
| 19) Fluoranthene | 19.16 | 202 | 4819 | 0.068 | ng/ul# | 92 |
| 20) Pyrene | 19.53 | 202 | 3898 | 0.055 | ng/ul# | 90 |
| 21) Benzo(a)anthracene | 21.28 | 228 | 3320 | 0.059 | ng/ul# | 88 |
| 22) Chrysene | 21.33 | 228 | 3276 | 0.048 | ng/ul# | 91 |
| 24) Benzo(b)fluoranthene | 22.87 | 252 | 4484m | 0.063 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.91 | 252 | 1823m | 0.023 | ng/ul | |
| 26) Benzo(a)pyrene | 23.45 | 252 | 2458 | 0.041 | ng/ul# | 16 |
| 27) Indeno(1,2,3-cd)pyrene | 25.80 | 276 | 1638 | 0.023 | ng/ul# | 91 |
| 29) Benzo(g,h,i)perylene | 26.49 | 276 | 1431 | 0.022 | ng/ul# | 68 |

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