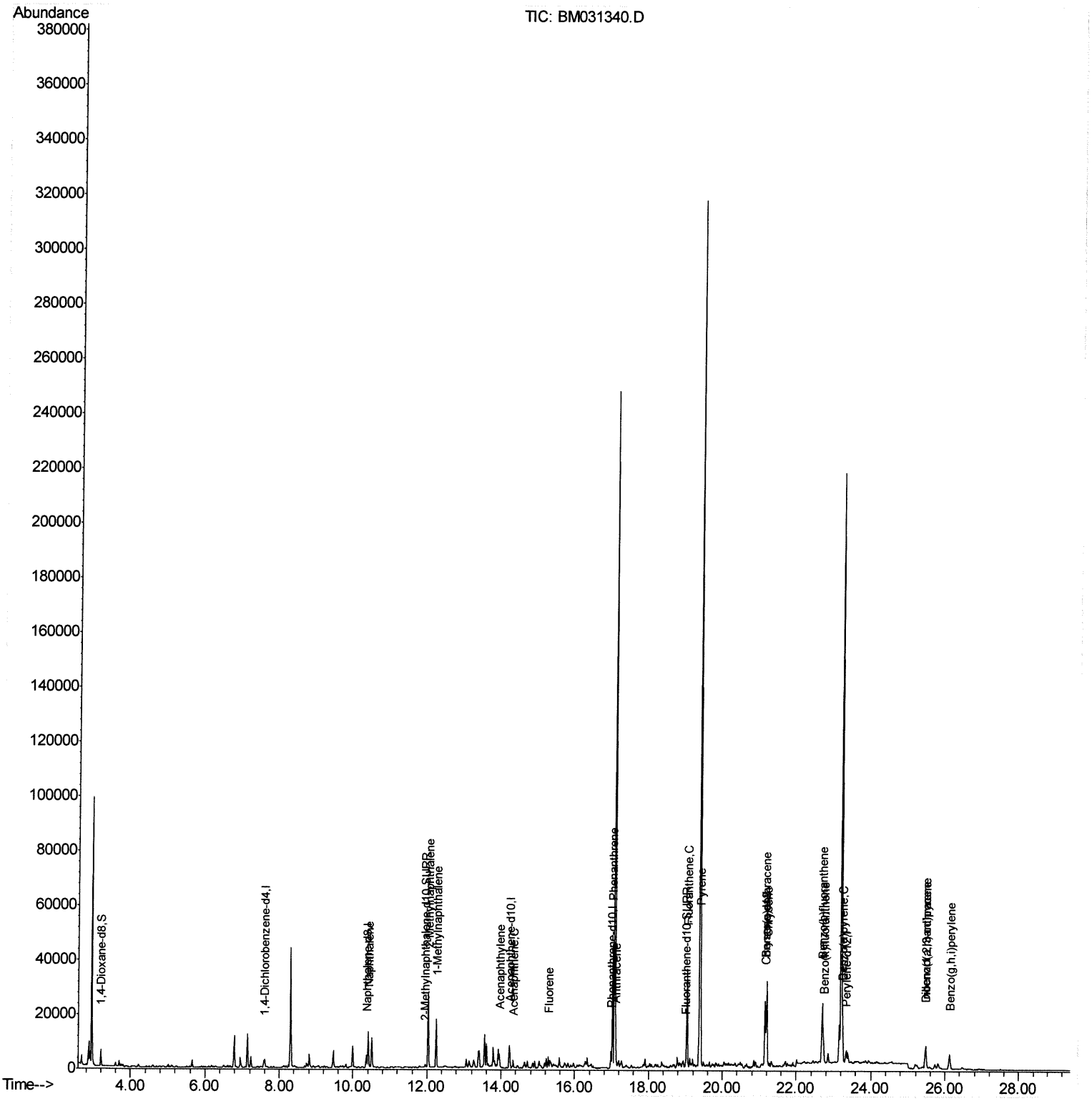
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 04:53:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM

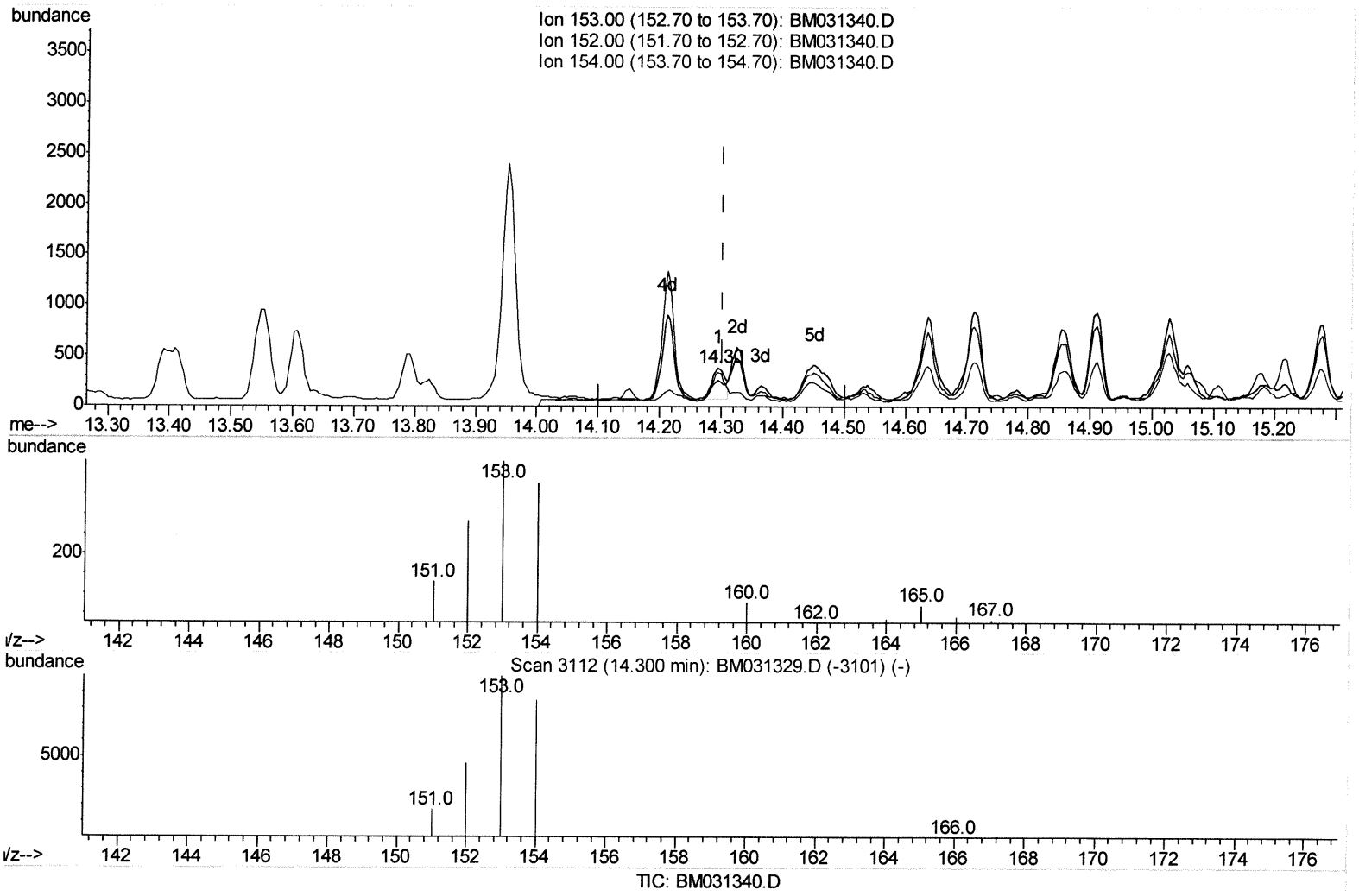


Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 01:15:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM



TIC: BM031340.D

(11) Acenaphthene (C)

14.295min (-0.008) 0.04ng/ul

response 473

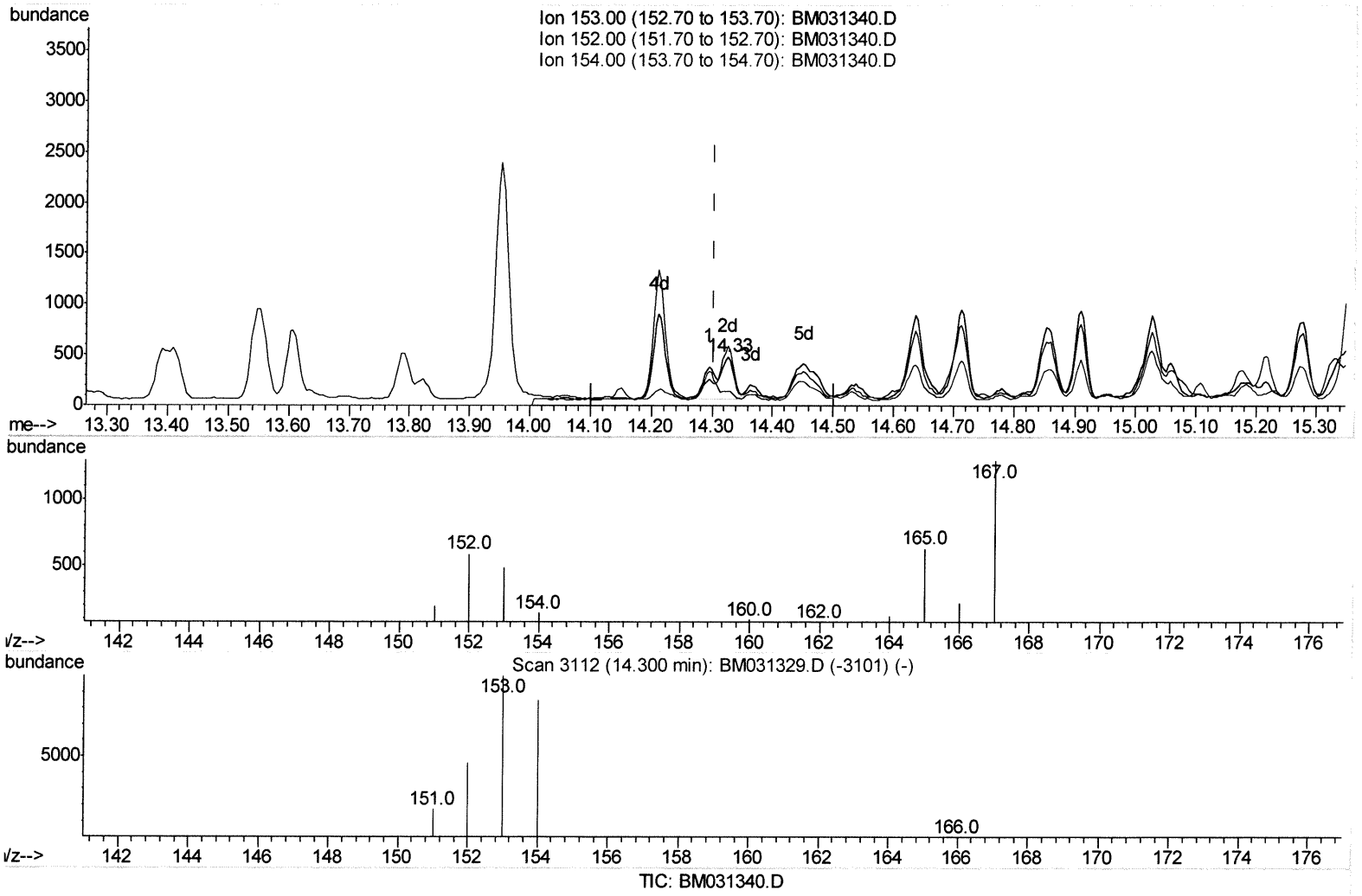
| Ion | Exp% | Act% |
|---|---|---|
| 153.00 | 100 | 100 |
| 152.00 | 50.90 | 68.73# |
| 154.00 | 87.70 | 88.37 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 01:15:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM




TIC: BM031340.D

(11) Acenaphthene (C)

14.326min (+0.023) 0.08ng/ul m

JU 8/3/21

response 1027

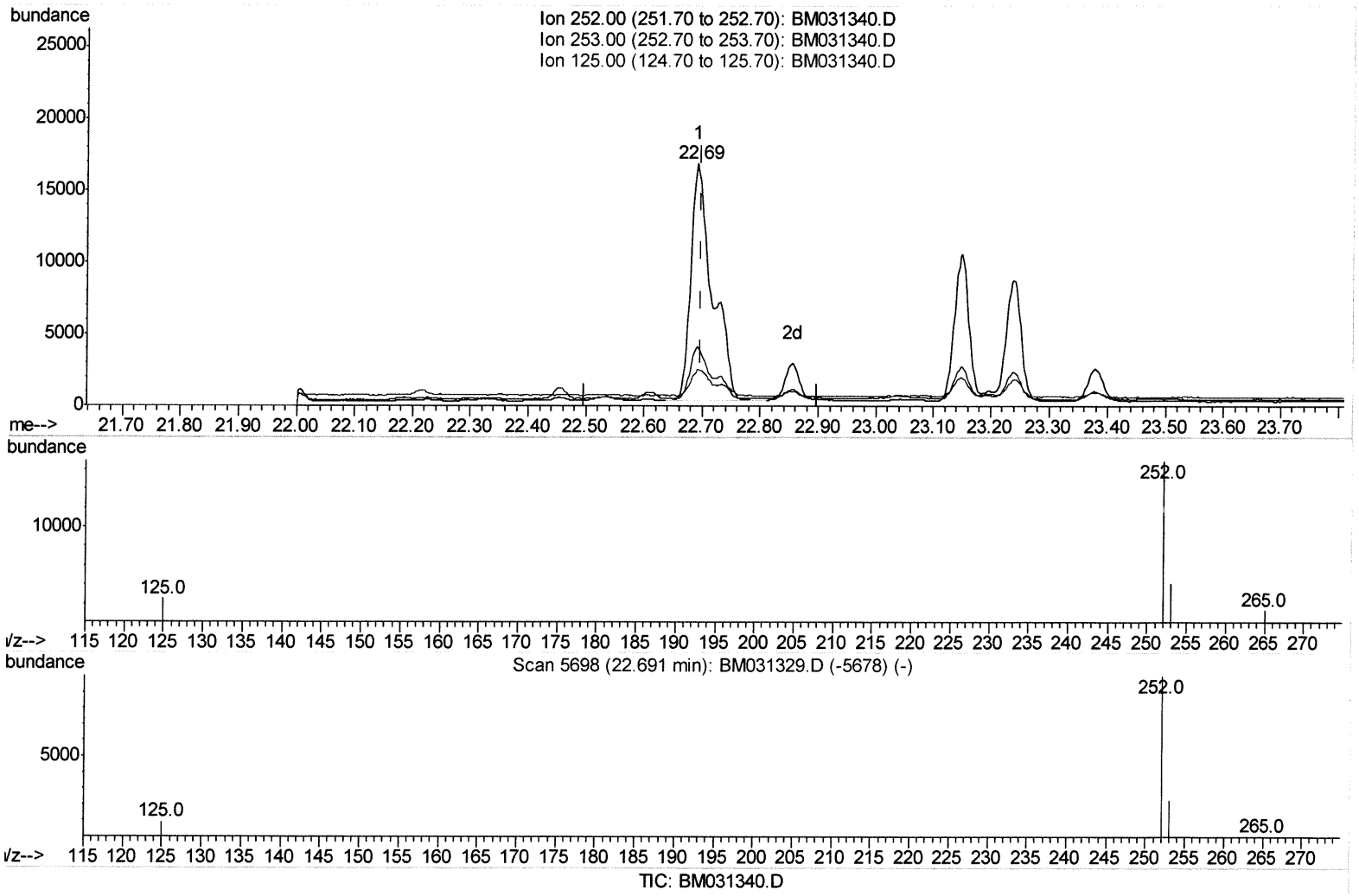
| Ion | Exp% | Act% |
|---|---|---|
| 153.00 | 100 | 100 |
| 152.00 | 50.90 | 121.44# |
| 154.00 | 87.70 | 28.87# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 04:51:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM




(24) Benzo(b)fluoranthene

22.691min (-0.007) 1.81ng/ul

response 42691

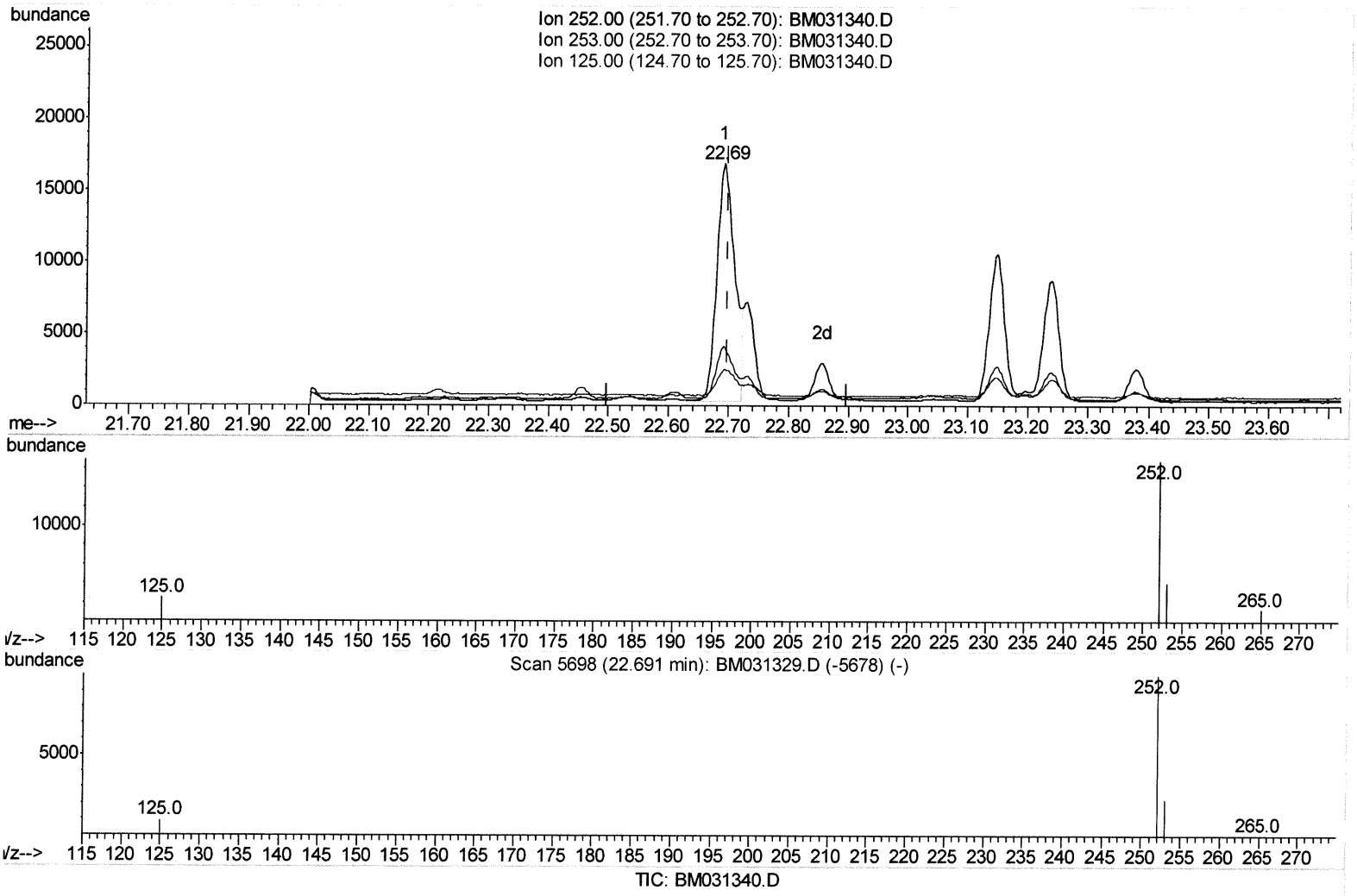
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.50 | 24.50 |
| 125.00 | 11.40 | 14.90 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 04:51:12 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM



TIC: BM031340.D

(24) Benzo(b)fluoranthene

22.691min (-0.007) 1.42ng/ul m

response 33466

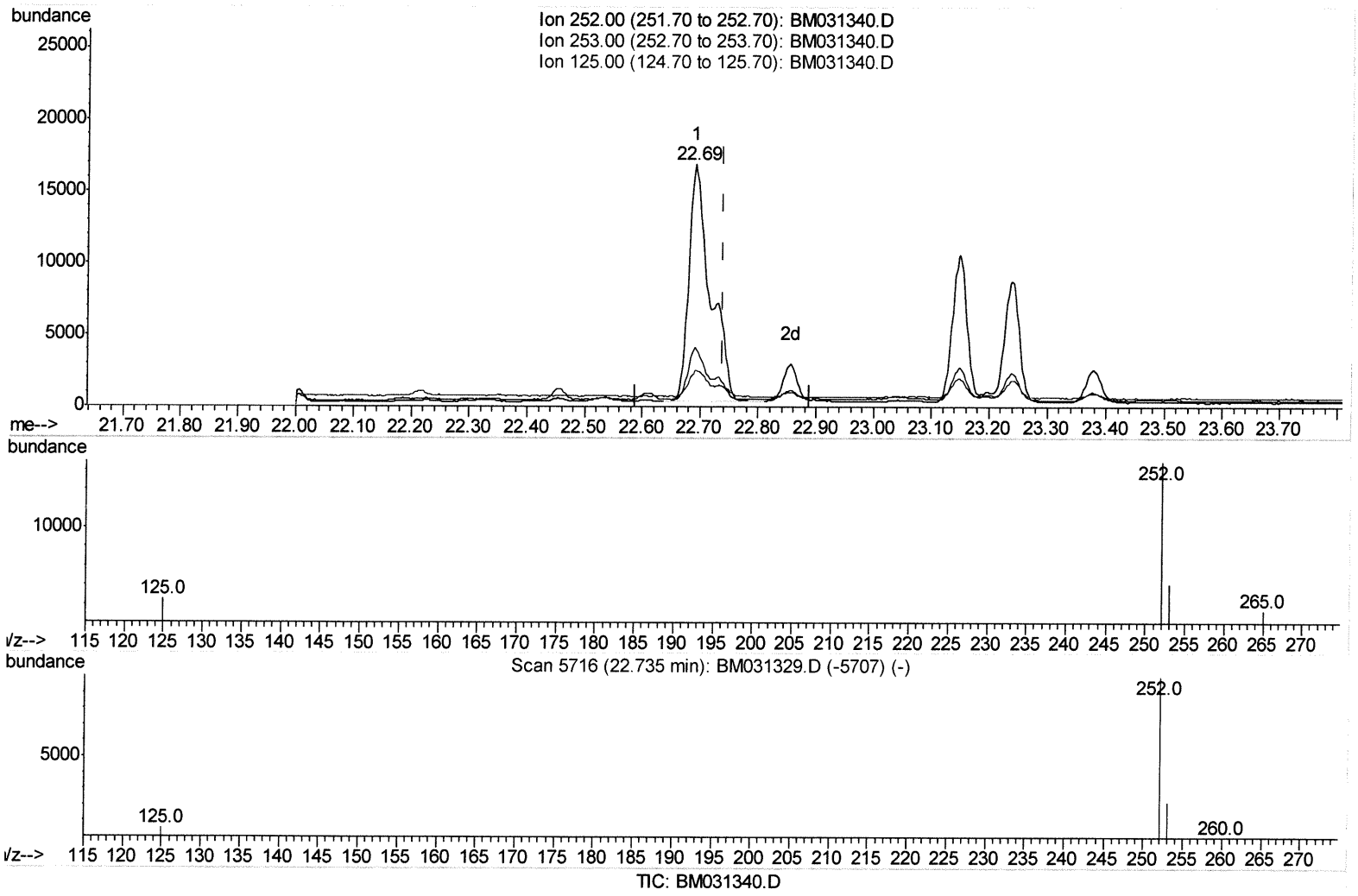
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.50 | 24.50 |
| 125.00 | 11.40 | 14.90 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 04:52:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM




(25) Benzo(k)fluoranthene

22.691min (-0.048) 1.75ng/ul

response 42691

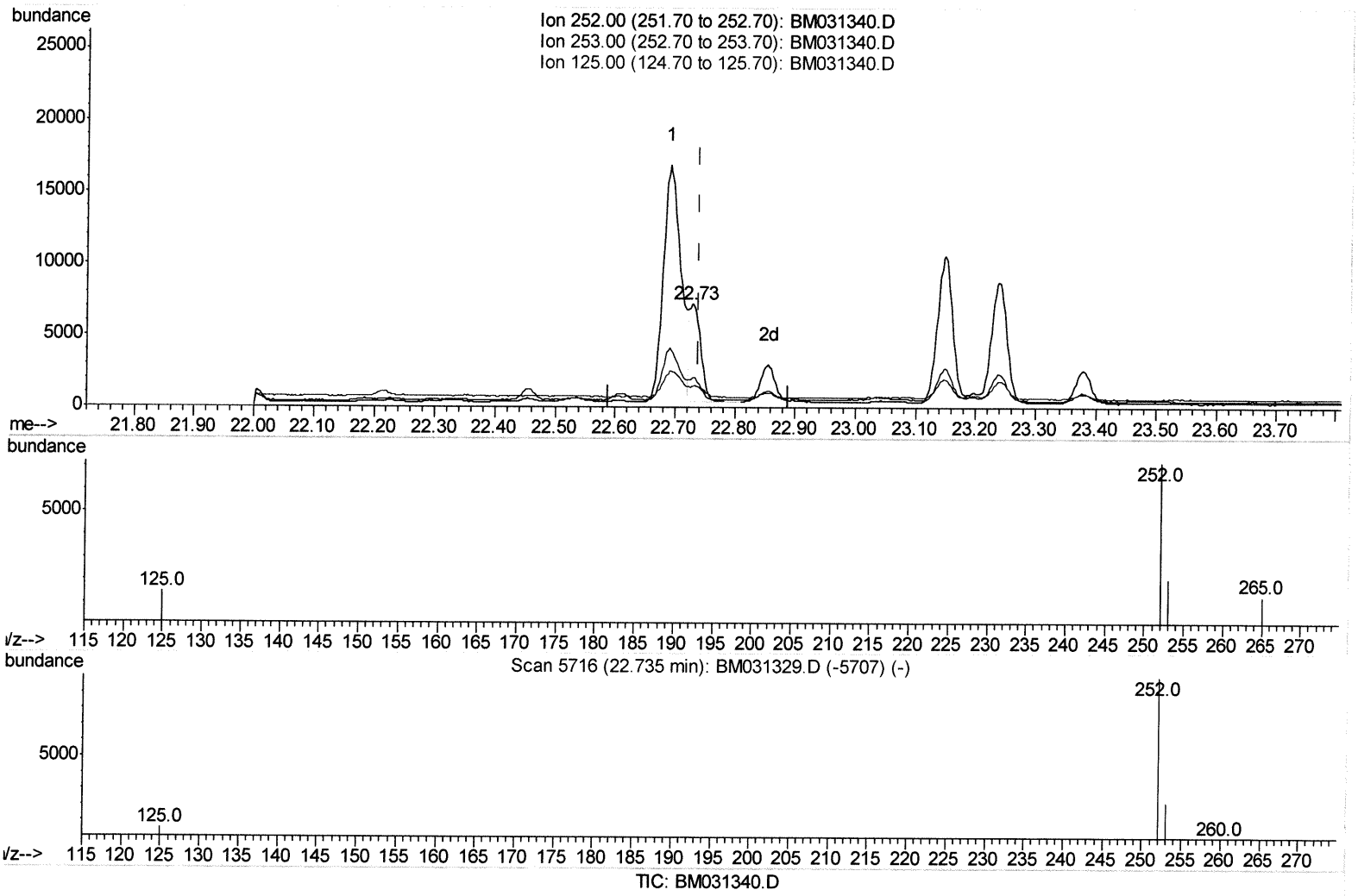
| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 24.50 |
| 125.00 | 11.00 | 14.90# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Aug 02 04:52:11 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
C0049

**Manual Integrations APPROVED**
mohammad
8/2/2021 3:43:01 PM



TIC: BM031340.D

(25) Benzo(k)fluoranthene

22.730min (-0.010) 0.39ng/ul m

response 9499

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 26.60 | 28.35 |
| 125.00 | 11.00 | 20.49# |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM072921\
Data File : BM031340.D
Acq On : 01 Aug 2021 08:54
Operator : CG/JU
Sample : M3091-11
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0049

Manual Integrations APPROVED
mohammad
8/2/2021 3:43:01 PM

Quant Time: Aug 02 04:53:58 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 30 14:16:52 2021
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 1380 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.36 | 136 | 5375 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.23 | 164 | 3631 | 0.40 | ng/ul | -0.01 |
| 13) Phenanthrene-d10 | 16.98 | 188 | 6858 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.17 | 240 | 5605 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.33 | 264 | 5226 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.20 | 96 | 3842 | 2.51 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.96 | 152 | 1546 | 0.17 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.01 | 212 | 3625 | 0.19 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 10.41 | 128 | 17690 | 1.105 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 12.03 | 142 | 18830 | 1.721 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.25 | 142 | 11658 | 1.079 | ng/ul | 100 |
| 10) Acenaphthylene | 13.95 | 152 | 3687 | 0.238 | ng/ul | 96 |
| 11) Acenaphthene | 14.33 | 153 | 1027m | 0.079 | ng/ul | JU 8/3/21 |
| 12) Fluorene | 15.29 | 166 | 1243 | 0.083 | ng/ul# | 67 |
| 15) Phenanthrene | 17.02 | 178 | 46120 | 2.118 | ng/ul | 98 |
| 16) Anthracene | 17.11 | 178 | 4707 | 0.231 | ng/ul | 96 |
| 19) Fluoranthene | 19.04 | 202 | 31082 | 1.299 | ng/ul# | 96 |
| 20) Pyrene | 19.40 | 202 | 28912 | 1.191 | ng/ul# | 94 |
| 21) Benzo(a)anthracene | 21.15 | 228 | 18528 | 0.819 | ng/ul# | 91 |
| 22) Chrysene | 21.21 | 228 | 33380 | 1.425 | ng/ul | 96 |
| 24) Benzo(b)fluoranthene | 22.69 | 252 | 33466m | 1.421 | ng/ul | JU 8/3/21 |
| 25) Benzo(k)fluoranthene | 22.73 | 252 | 9499m | 0.390 | ng/ul | |
| 26) Benzo(a)pyrene | 23.24 | 252 | 15157 | 0.735 | ng/ul# | 95 |
| 27) Indeno(1,2,3-cd)pyrene | 25.47 | 276 | 11862 | 0.445 | ng/ul# | 98 |
| 28) Dibenzo(a,h)anthracene | 25.48 | 278 | 4014 | 0.187 | ng/ul# | 73 |
| 29) Benzo(g,h,i)perylene | 26.12 | 276 | 10711 | 0.471 | ng/ul# | 95 |

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