

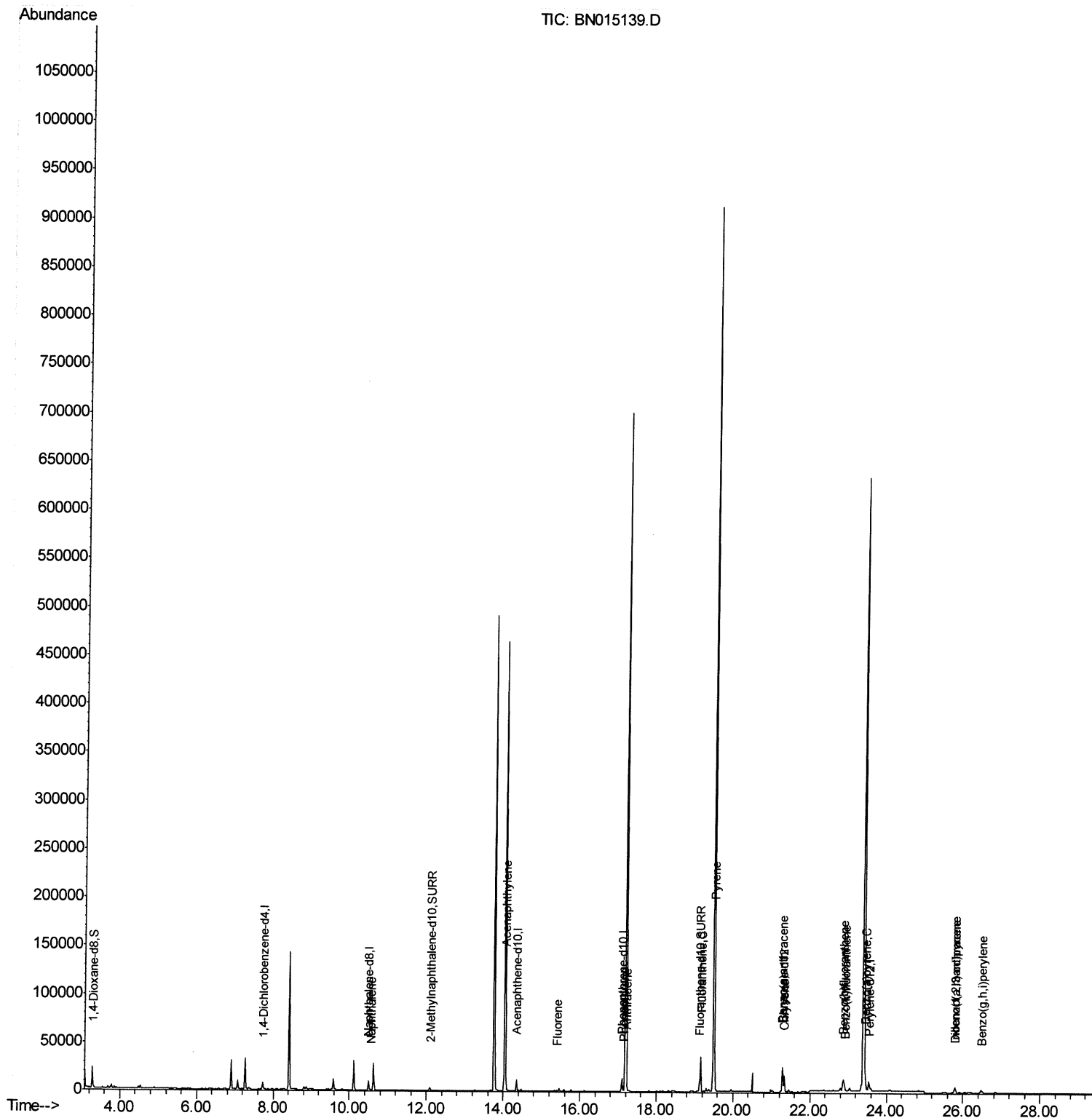
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
Data File : BN015139.D  
Acq On : 27 Jun 2021 05:34  
Operator : CG/JU  
Sample : M2680-11  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
BGD37

Quant Time: Jun 28 02:23:32 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 : Tue Jun 22 11:53:52 2021  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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6/28/2021 1:28:06 PM



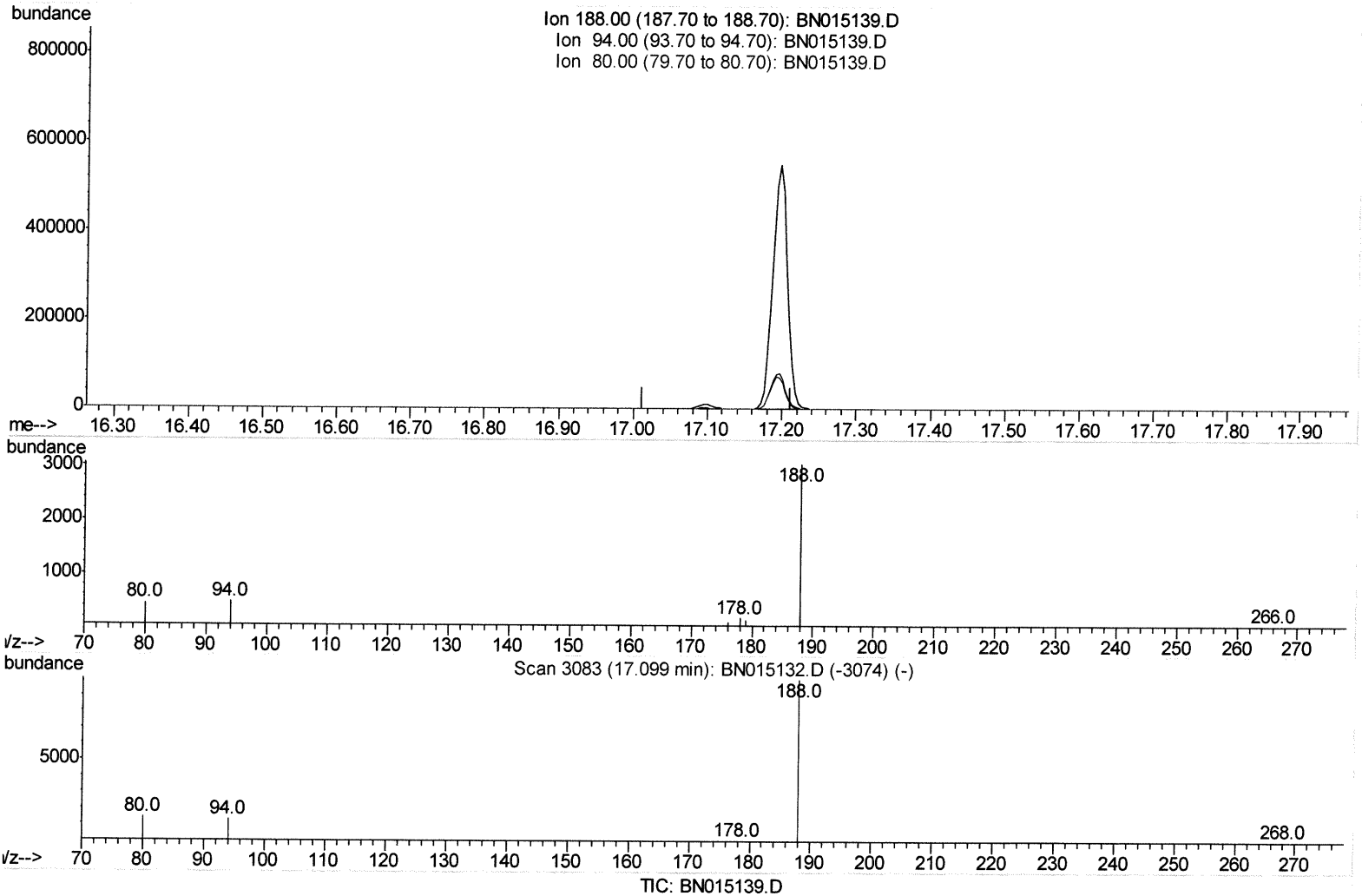
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Quant Time: Jun 28 01:26:06 2021  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 22 11:53:52 2021  
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(13) Phenanthrene-d10 (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  |

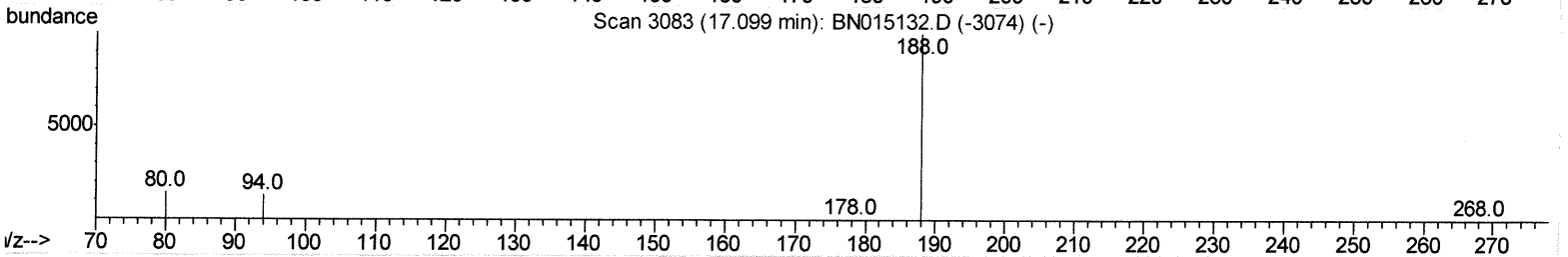
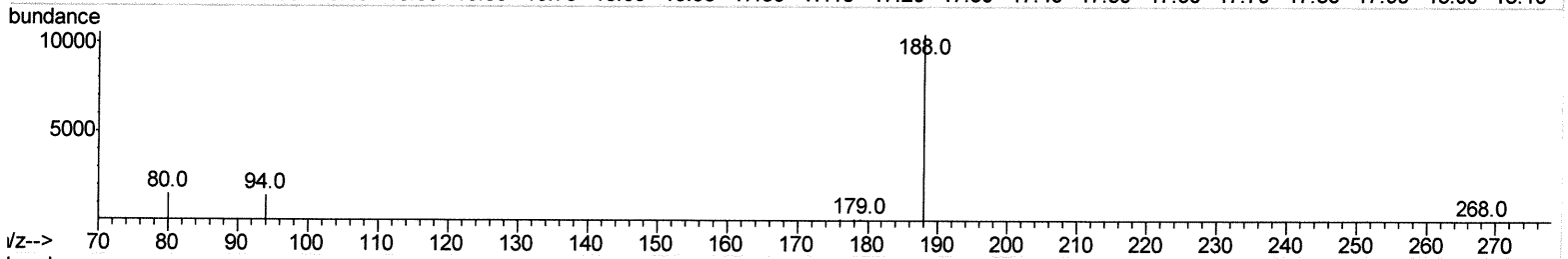
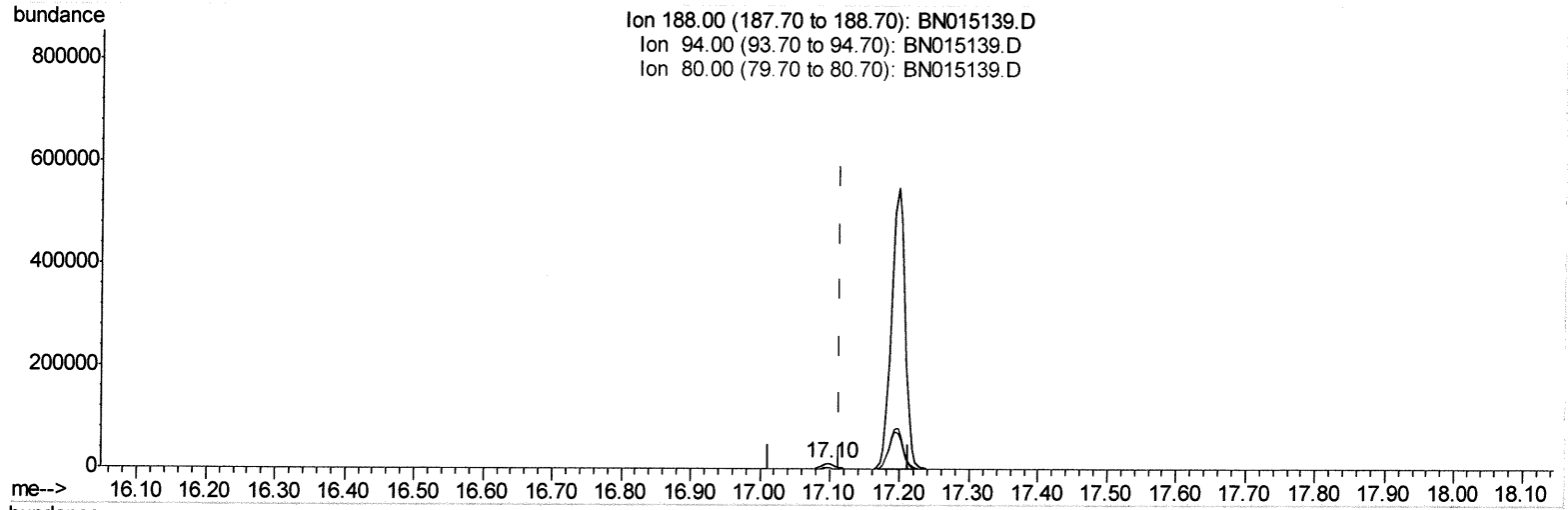
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampled :  
 BGD37

Manual Integrations  
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Quant Time: Jun 28 01:26:06 2021  
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 Response via : Initial Calibration



(13) Phenanthrene-d10 (I)

17.099min (-0.014) 0.40ng/ul m

response 14162

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 188.00 | 100   | 100   |
| 94.00  | 14.10 | 13.78 |
| 80.00  | 14.40 | 14.13 |
| 0.00   | 0.00  | 0.00  |

*JU 6/30/21*

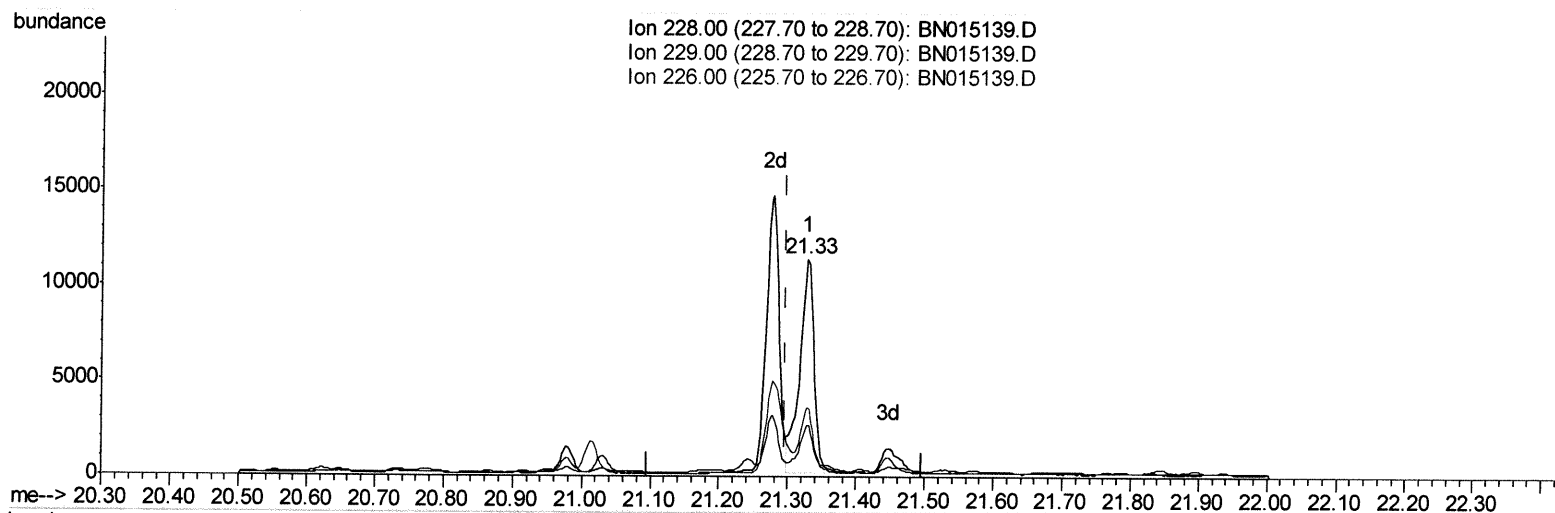
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

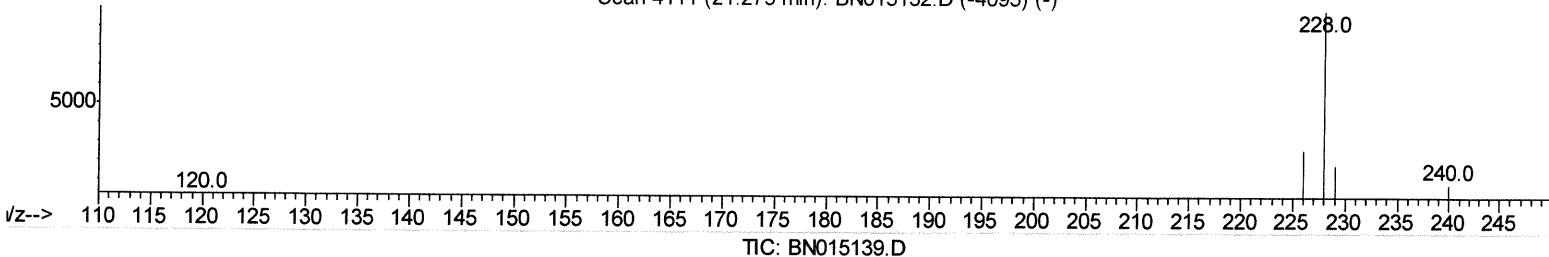
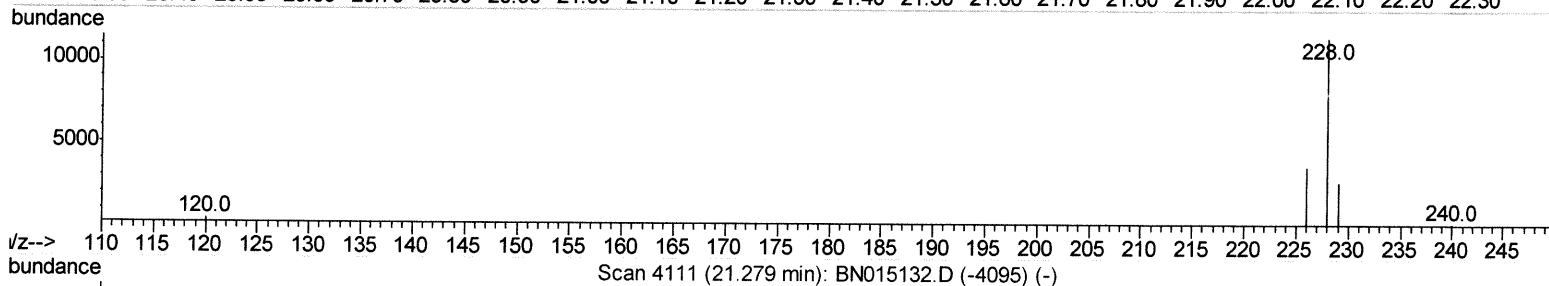
Manual Integrations  
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Quant Time: Jun 28 02:19:30 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 22 11:53:52 2021  
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Ion 228.00 (227.70 to 228.70): BN015139.D  
 Ion 229.00 (228.70 to 229.70): BN015139.D  
 Ion 226.00 (225.70 to 226.70): BN015139.D



(21) Benzo(a)anthracene

21.327min (+0.031) 0.33ng/ul

response 16526

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 19.80 | 23.44 |
| 226.00 | 27.30 | 31.50 |
| 0.00   | 0.00  | 0.00  |

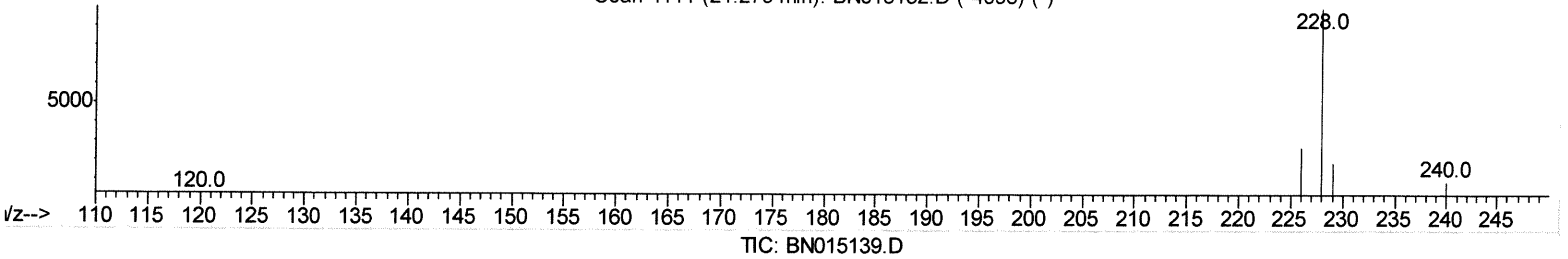
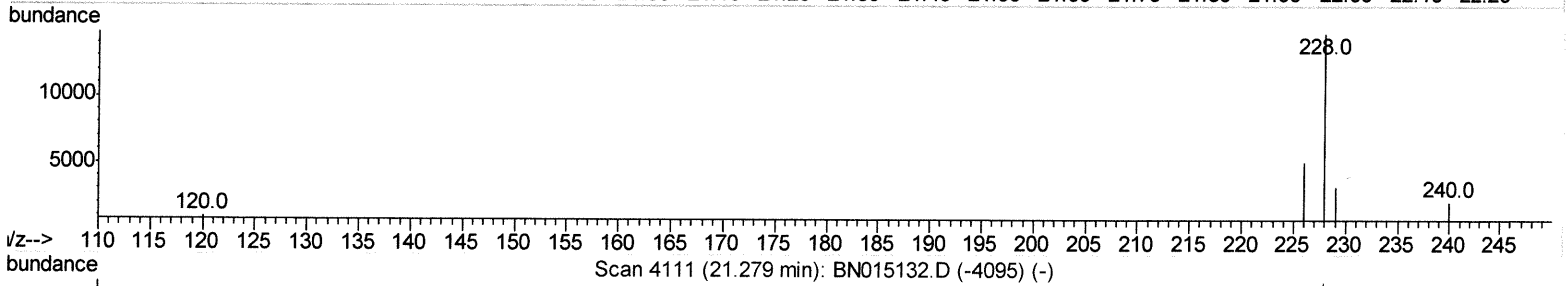
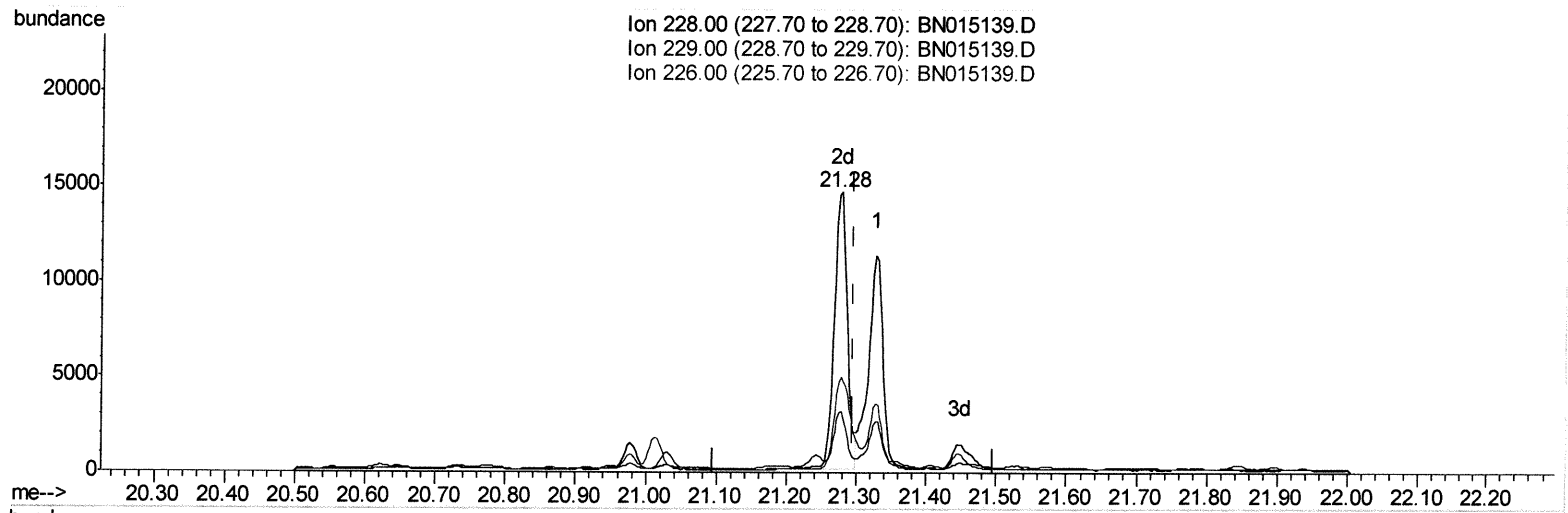
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

Quant Time: Jun 28 02:19:30 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M  
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Manual Integrations  
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(21) Benzo(a)anthracene

21.278min (-0.018) 0.38ng/ul m

response 18693

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 19.80 | 22.02  |
| 226.00 | 27.30 | 34.28# |
| 0.00   | 0.00  | 0.00   |

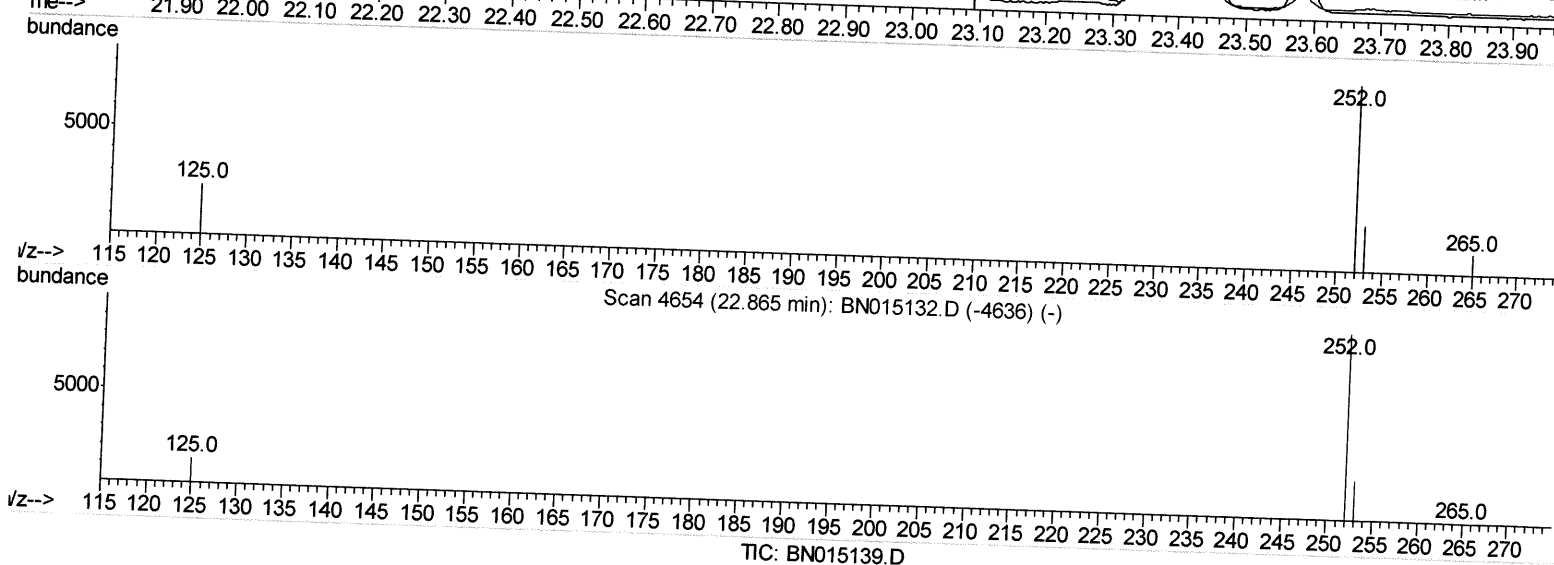
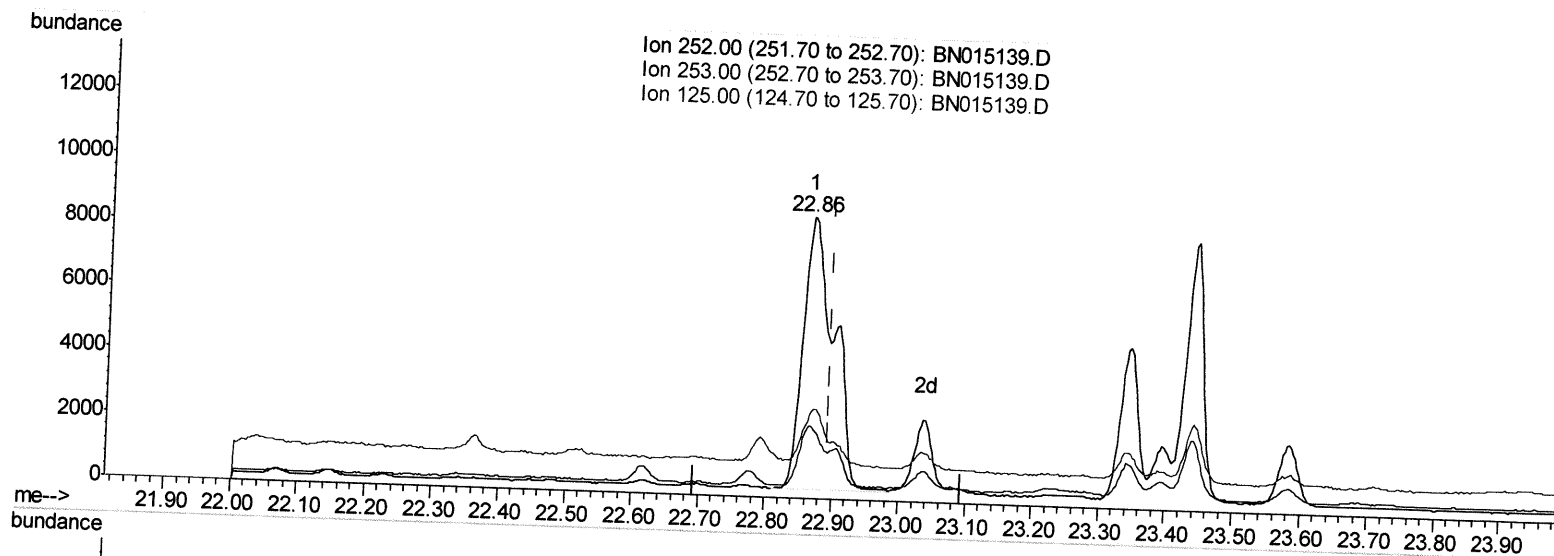
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

Manual Integrations  
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Quant Time: Jun 28 02:20:57 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.862min (-0.033) 0.45ng/ul

response 26606

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.80 | 25.60 |
| 125.00 | 14.20 | 27.73 |
| 0.00   | 0.00  | 0.00  |

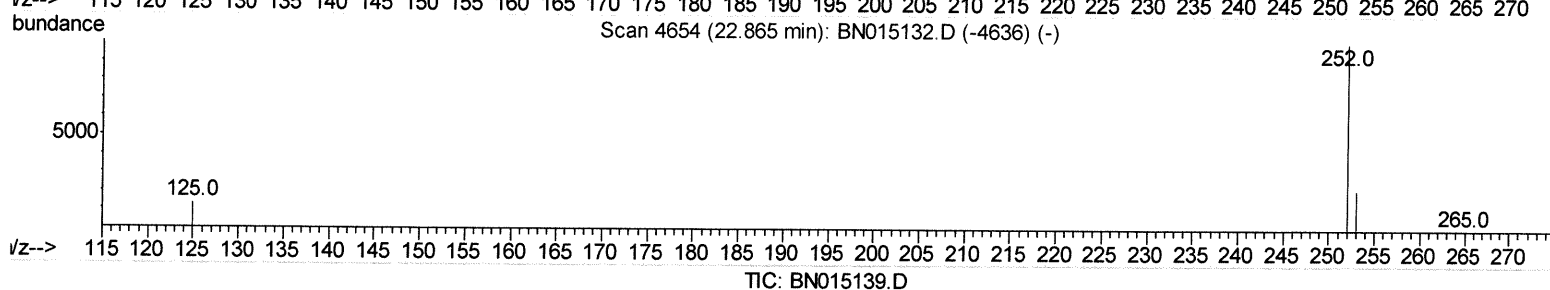
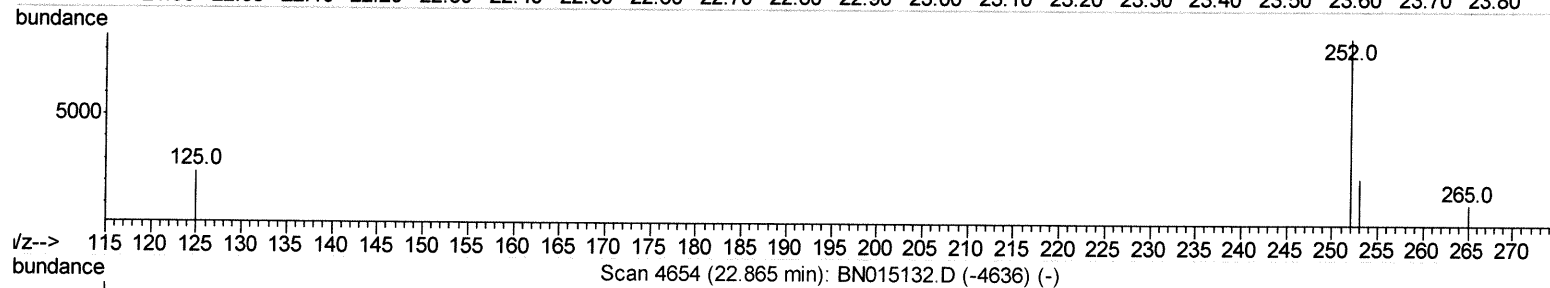
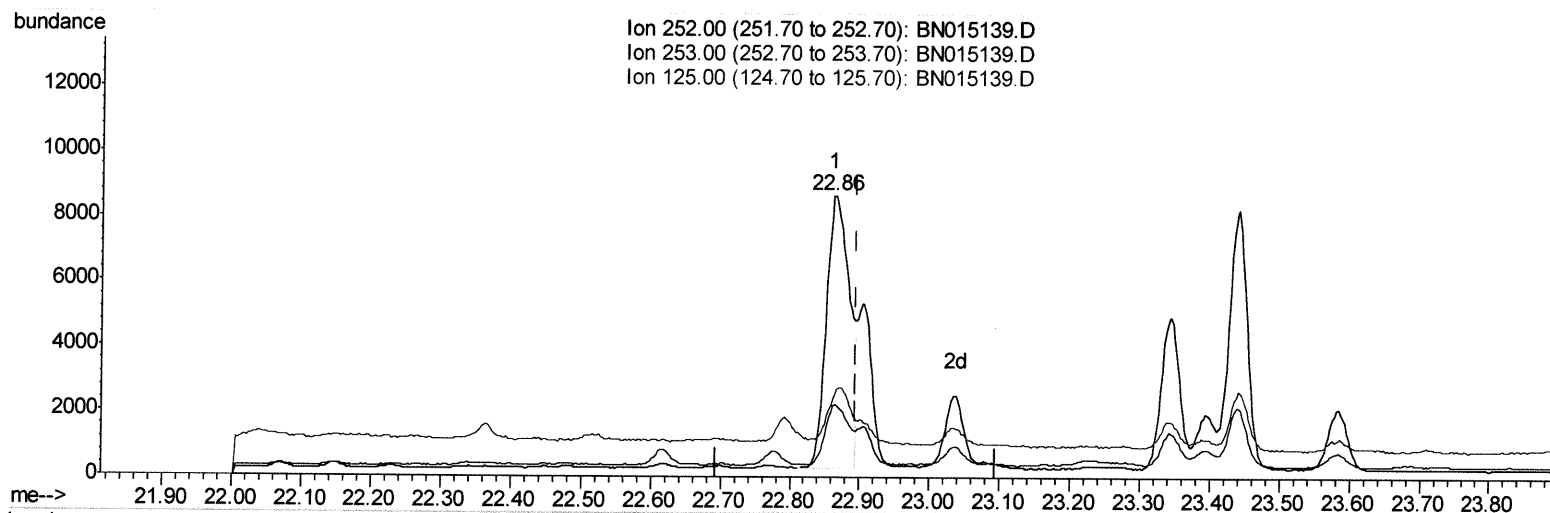
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

Manual Integrations  
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mohammad  
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Quant Time: Jun 28 02:20:57 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 : Tue Jun 22 11:53:52 2021  
 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.862min (-0.033) 0.33ng/ul m

response 19276

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 22.80 | 25.60 |
| 125.00 | 14.20 | 27.73 |
| 0.00   | 0.00  | 0.00  |

*JU 6/28/21*

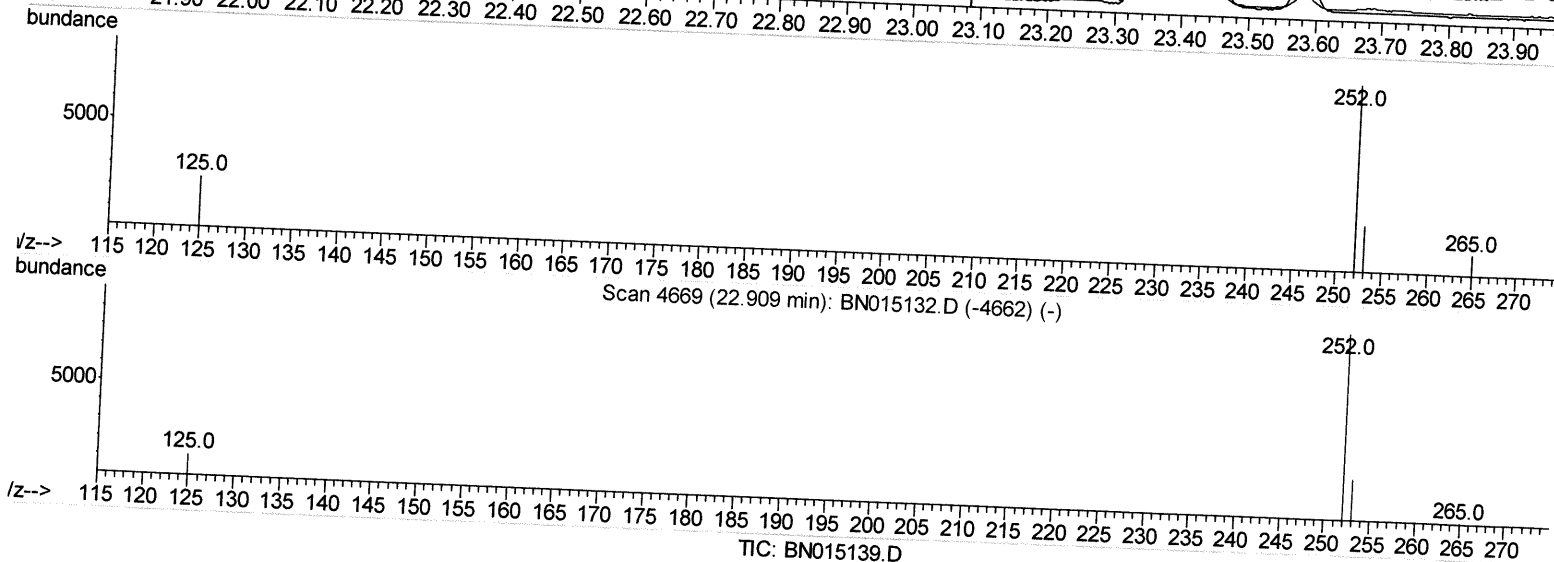
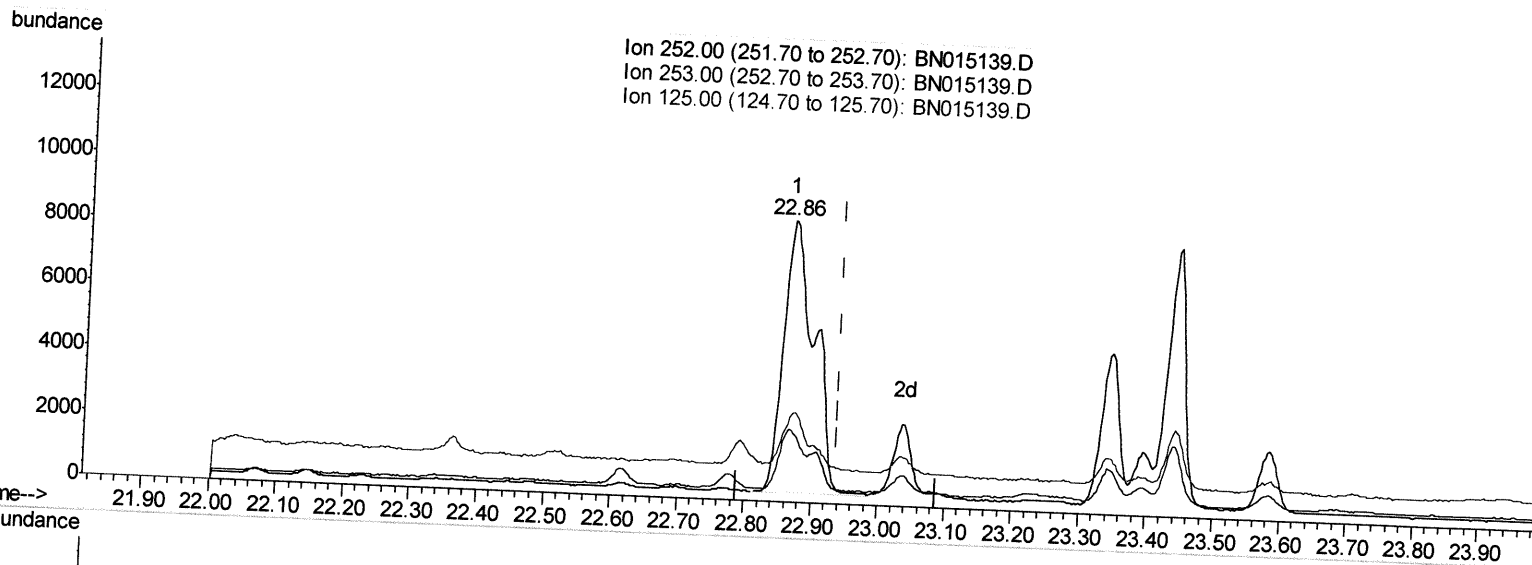
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 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

Manual Integrations  
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mohammad  
 6/28/2021 1:28:06 PM

Quant Time: Jun 28 02:22:24 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M  
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 Response via : Initial Calibration



(25) Benzo(k)fluoranthene

22.862min (-0.077) 0.40ng/ul

response 26606

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.60 | 25.60  |
| 125.00 | 14.40 | 27.73# |
| 0.00   | 0.00  | 0.00   |

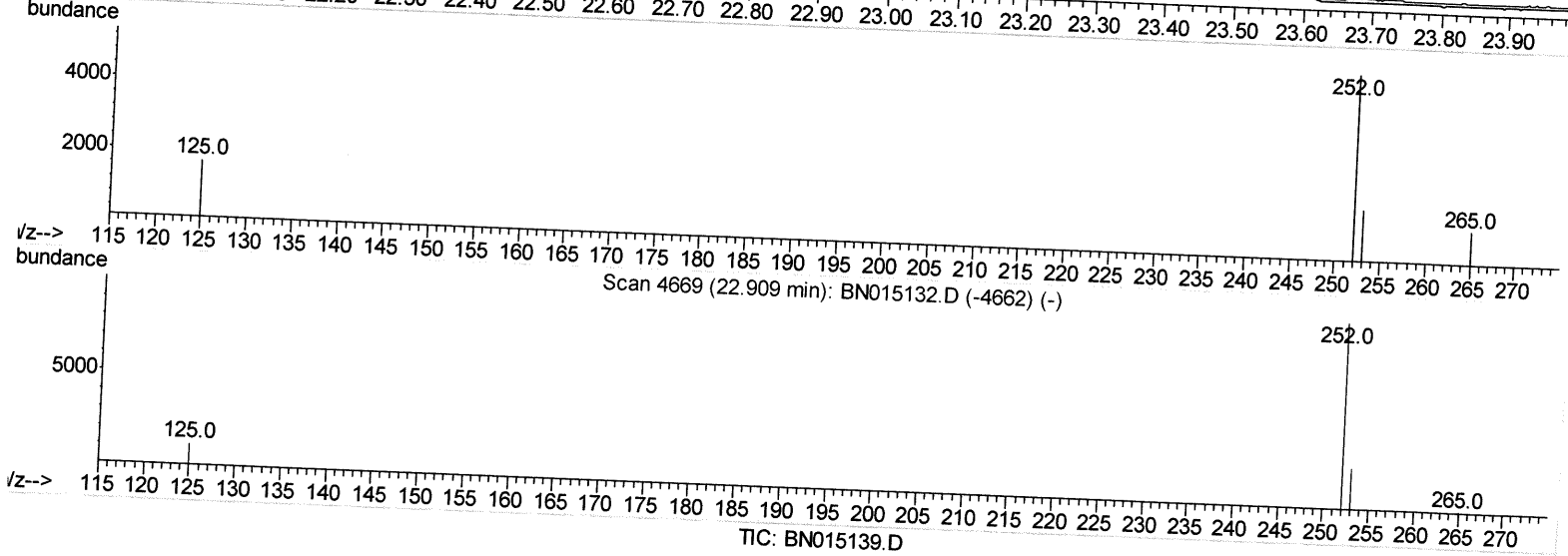
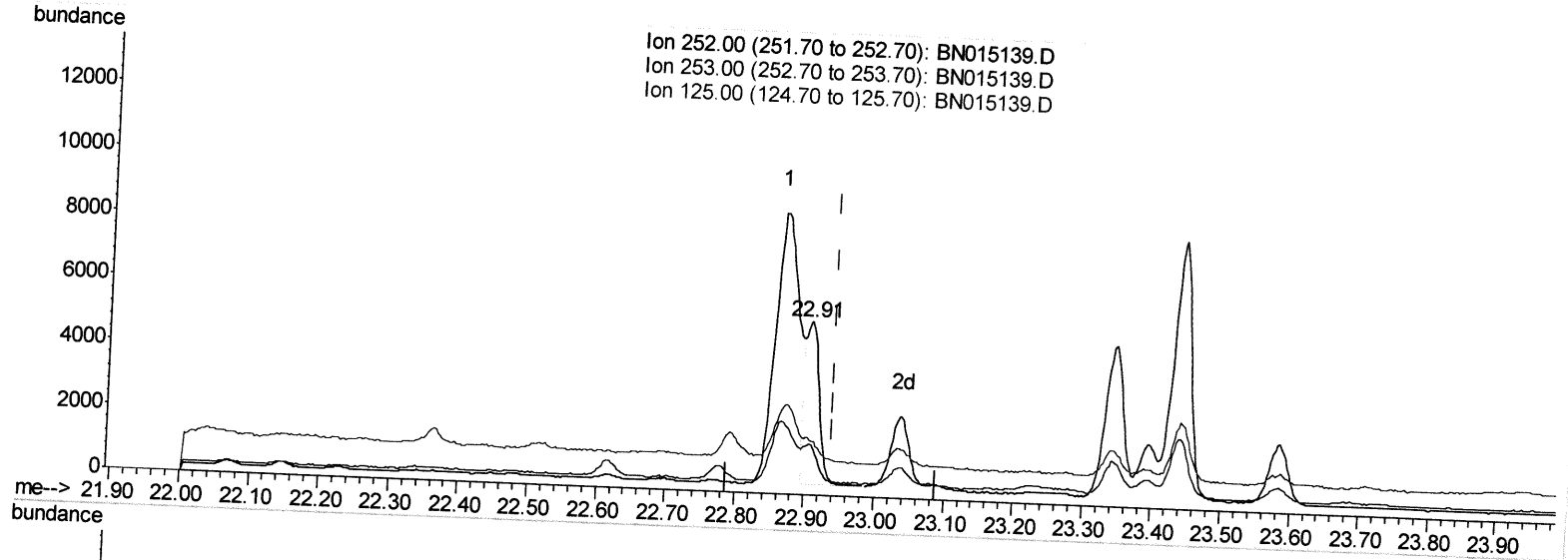
Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

Manual Integrations  
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mohammad  
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Quant Time: Jun 28 02:22:24 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SFAM-EPA-SIM-BN062121.M  
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(25) Benzo(k)fluoranthene

22.905min (-0.033) 0.11ng/ul m

response 7250

*JU 6/30/21*

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 22.60 | 29.23# |
| 125.00 | 14.40 | 31.85# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN062721\  
 Data File : BN015139.D  
 Acq On : 27 Jun 2021 05:34  
 Operator : CG/JU  
 Sample : M2680-11  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BGD37

Manual Integrations  
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| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.73  | 152  | 3410     | 0.40  | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.50 | 136  | 11955    | 0.40  | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.35 | 164  | 6588     | 0.40  | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.10 | 188  | 14162m   | 0.40  | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.29 | 240  | 13395    | 0.40  | ng/ul  | -0.02    |
| 23) Perylene-d12            | 23.53 | 264  | 12682    | 0.40  | ng/ul  | -0.04    |
| System Monitoring Compounds |       |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.29  | 96   | 13285    | 3.46  | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.09 | 152  | 4166     | 0.22  | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.13 | 212  | 12266    | 0.28  | ng/ul  | -0.02    |
| Target Compounds            |       |      |          |       |        |          |
| 5) Naphthalene              |       |      |          |       | Ovalue |          |
| 10) Acenaphthylene          | 10.55 | 128  | 1661     | 0.044 | ng/ul# | 85       |
| 12) Fluorene                | 14.07 | 152  | 1743     | 0.051 | ng/ul# | 86       |
| 15) Phenanthrene            | 15.40 | 166  | 630      | 0.022 | ng/ul# | 88       |
| 16) Anthracene              | 17.14 | 178  | 5912     | 0.115 | ng/ul  | 95       |
| 19) Fluoranthene            | 17.23 | 178  | 2927     | 0.065 | ng/ul# | 91       |
| 20) Pyrene                  | 19.16 | 202  | 29547    | 0.477 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 19.52 | 202  | 27919    | 0.450 | ng/ul  | 97       |
| 22) Chrysene                | 21.28 | 228  | 18693m   | 0.377 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 21.33 | 228  | 16424    | 0.276 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 22.86 | 252  | 19276m   | 0.325 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 22.91 | 252  | 7250m    | 0.108 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 23.44 | 252  | 14400    | 0.289 | ng/ul# | 82       |
| 28) Dibenzo(a,h)anthracene  | 25.79 | 276  | 8128     | 0.135 | ng/ul# | 90       |
| 29) Benzo(a,h,i)perylene    | 25.80 | 278  | 2154     | 0.046 | ng/ul# | 54       |
|                             | 26.48 | 276  | 6211     | 0.112 | ng/ul# | 90       |

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