

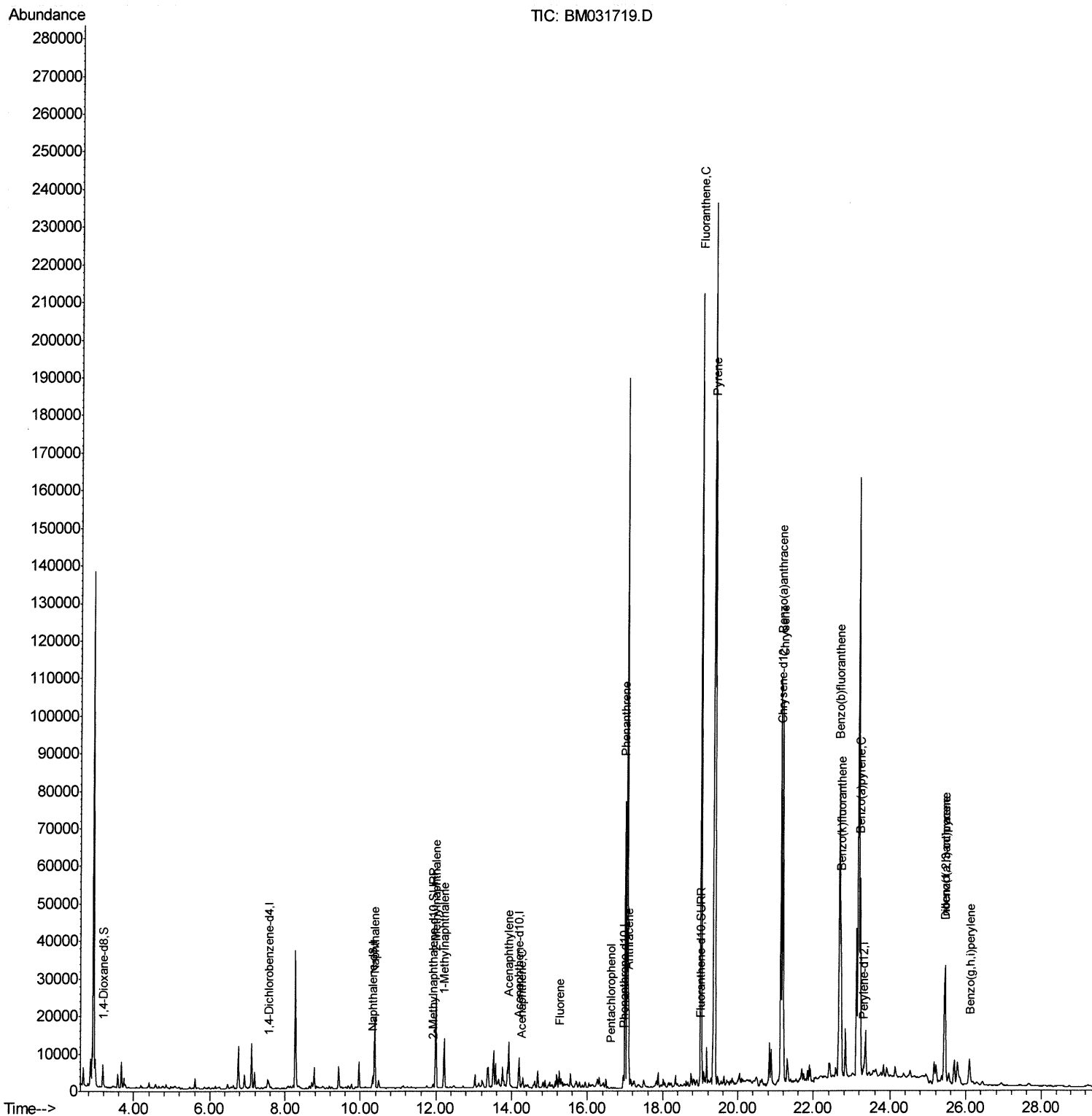
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\  
Data File : BM031719.D  
Acq On : 13 Aug 2021 17:43  
Operator : CG/JU  
Sample : M3208-09  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C00E9

Manual Integrations  
APPROVED

mohammad  
8/16/2021 8:40:09 AM

Quant Time: Aug 13 18:14:44 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 : Thu Aug 12 17:28:09 2021  
Response via : Initial Calibration



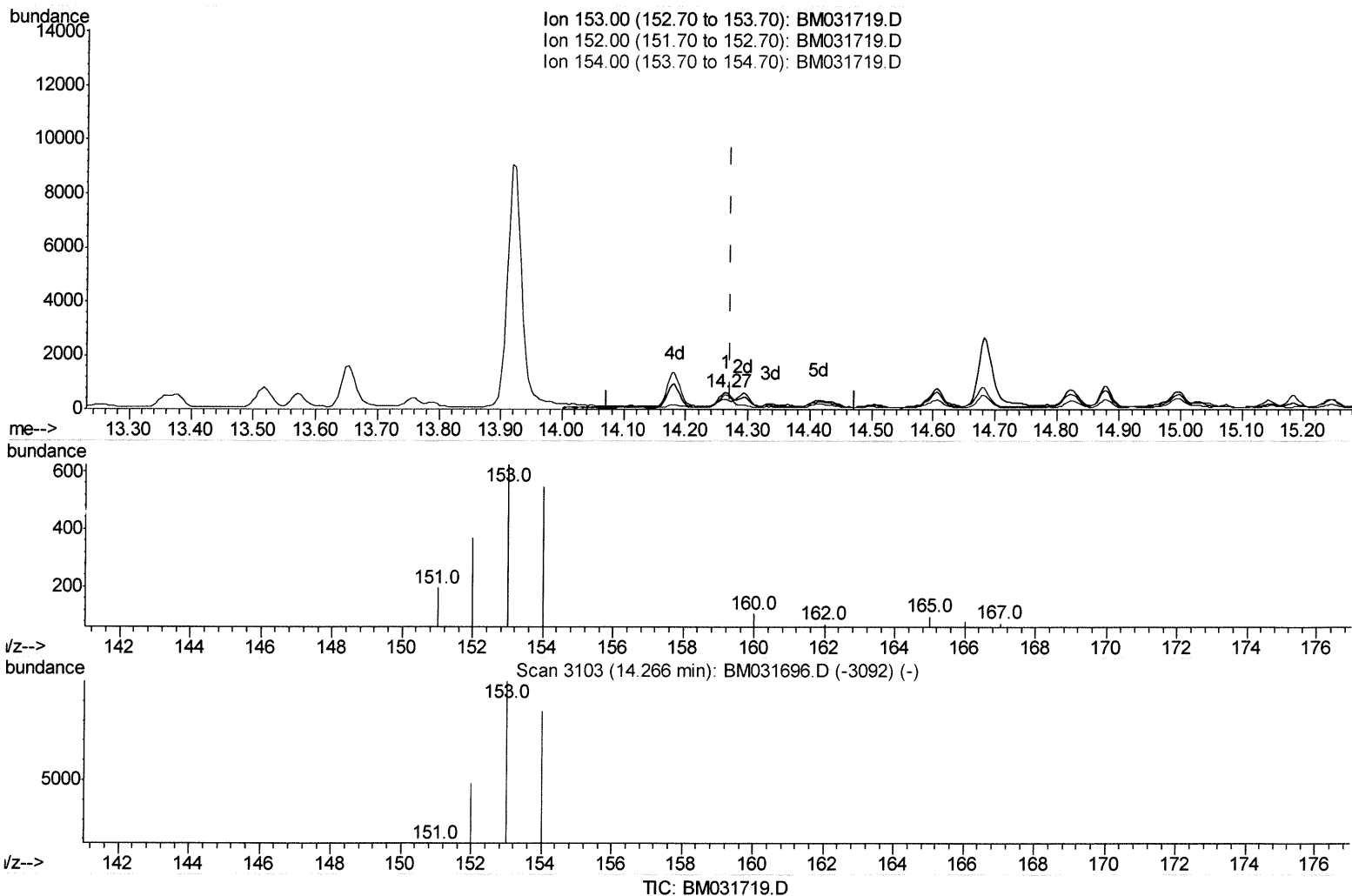
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Quant Time: Aug 13 18:13:06 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM072821.M  
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(11) Acenaphthene (C)

14.265min (-0.007) 0.09ng/ul

response 858

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 153.00 | 100   | 100   |
| 152.00 | 50.90 | 59.49 |
| 154.00 | 87.70 | 87.46 |
| 0.00   | 0.00  | 0.00  |

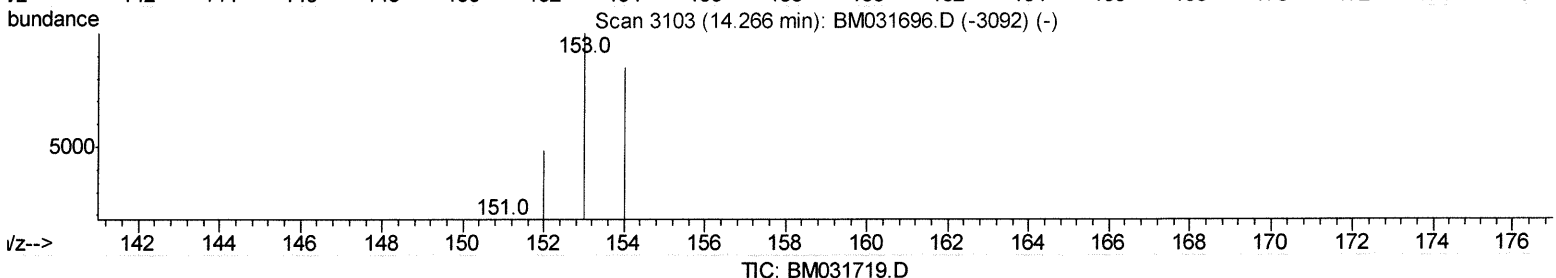
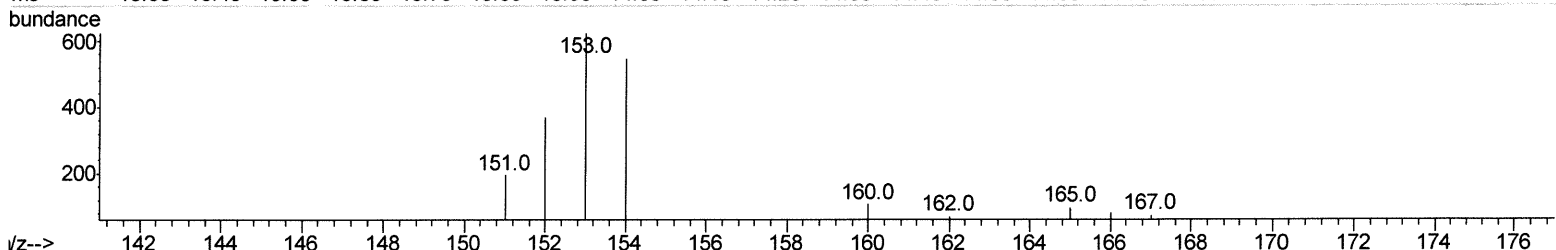
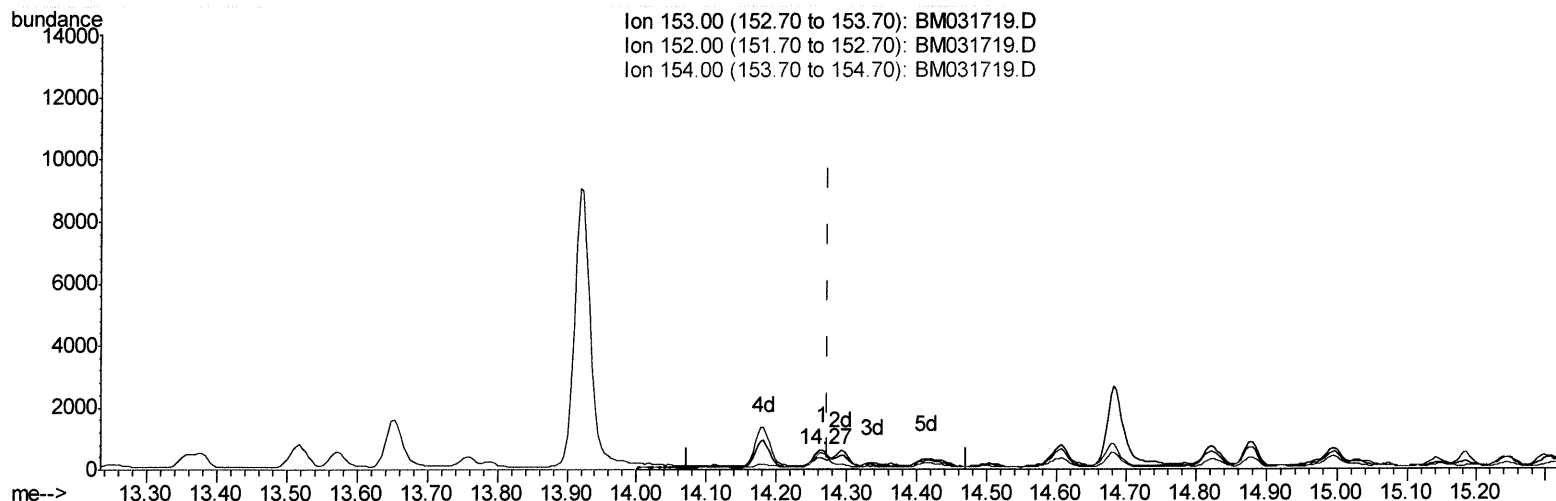
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(11) Acenaphthene (C)

14.265min (-0.007) 0.15ng/ul m

response 1459

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 153.00 | 100   | 100   |
| 152.00 | 50.90 | 59.49 |
| 154.00 | 87.70 | 87.46 |
| 0.00   | 0.00  | 0.00  |

JU 8/16/21

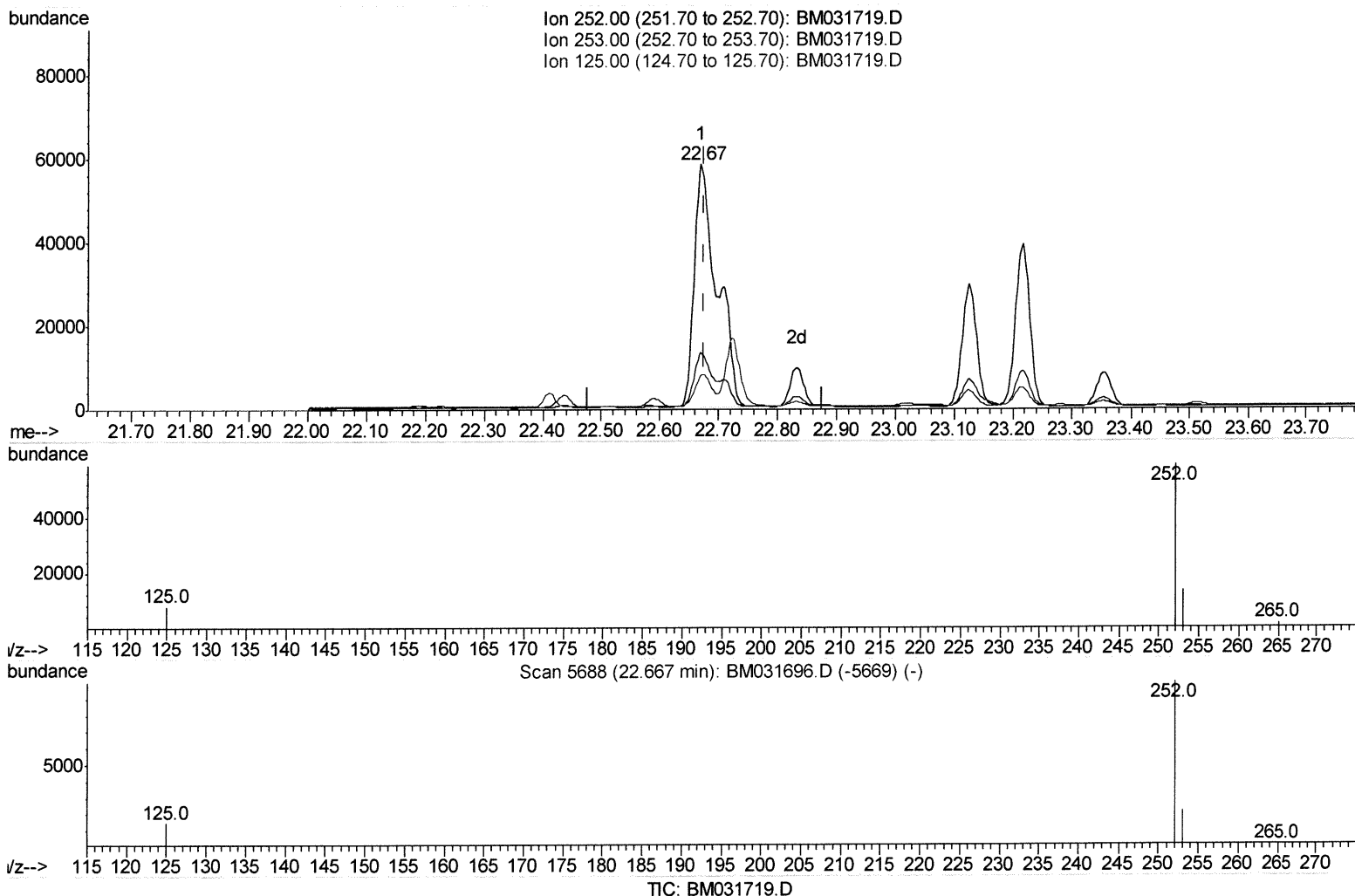
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 Acq On : 13 Aug 2021 17:43  
 Operator : CG/JU  
 Sample : M3208-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
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Manual Integrations  
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(24) Benzo(b)fluoranthene

22.670min (-0.007) 9.10ng/ul

response 156423

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.50 | 23.01 |
| 125.00 | 11.40 | 13.45 |
| 0.00   | 0.00  | 0.00  |

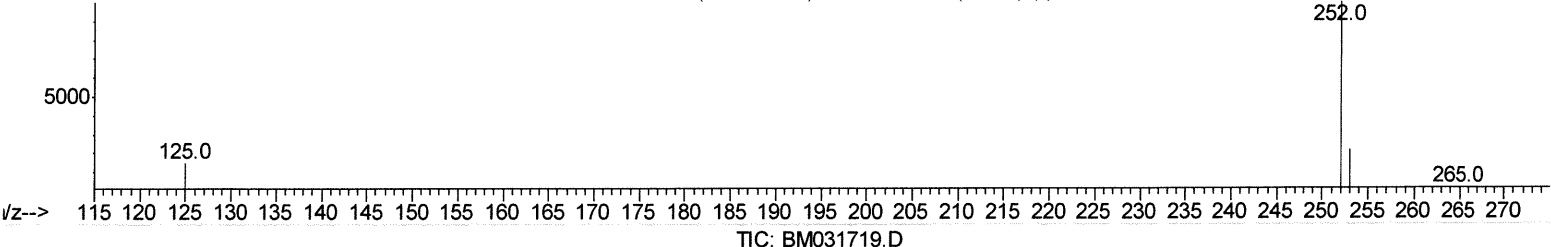
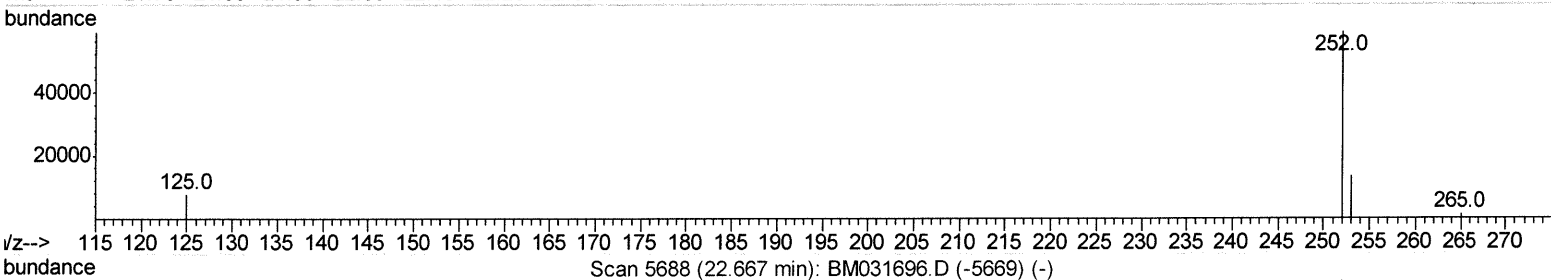
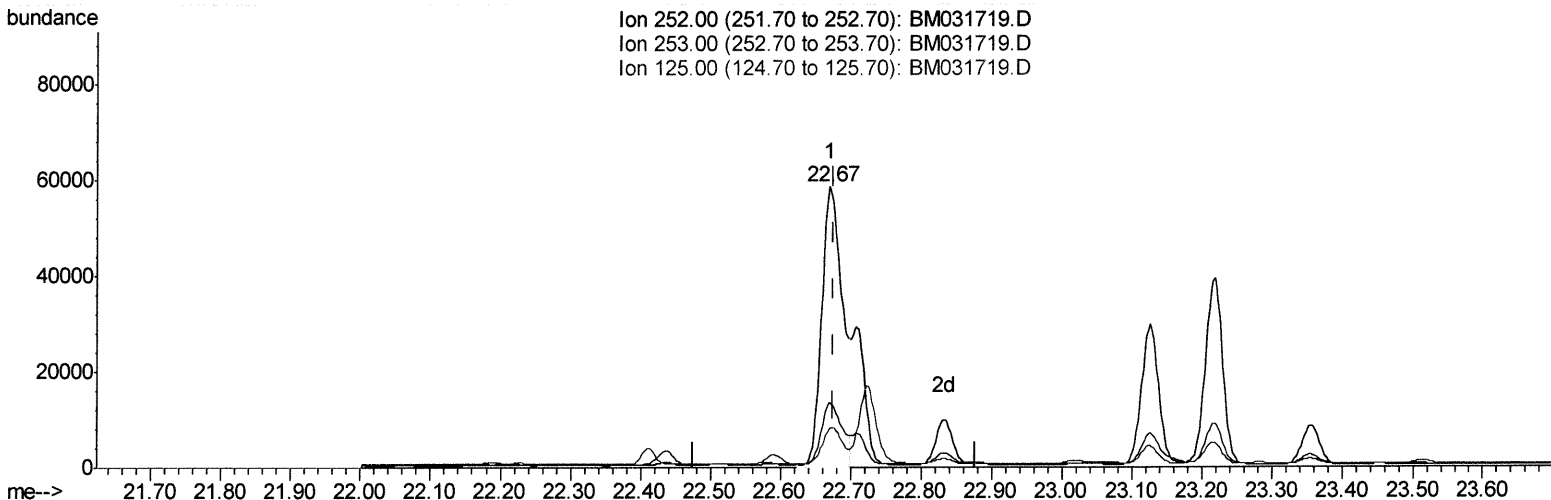
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\  
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 Operator : CG/JU  
 Sample : M3208-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00E9

Manual Integrations  
 APPROVED

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 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.670min (-0.007) 6.98ng/ul m

response 120018

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 26.50 | 23.01 |
| 125.00 | 11.40 | 13.45 |
| 0.00   | 0.00  | 0.00  |

*Je 8/16/21*

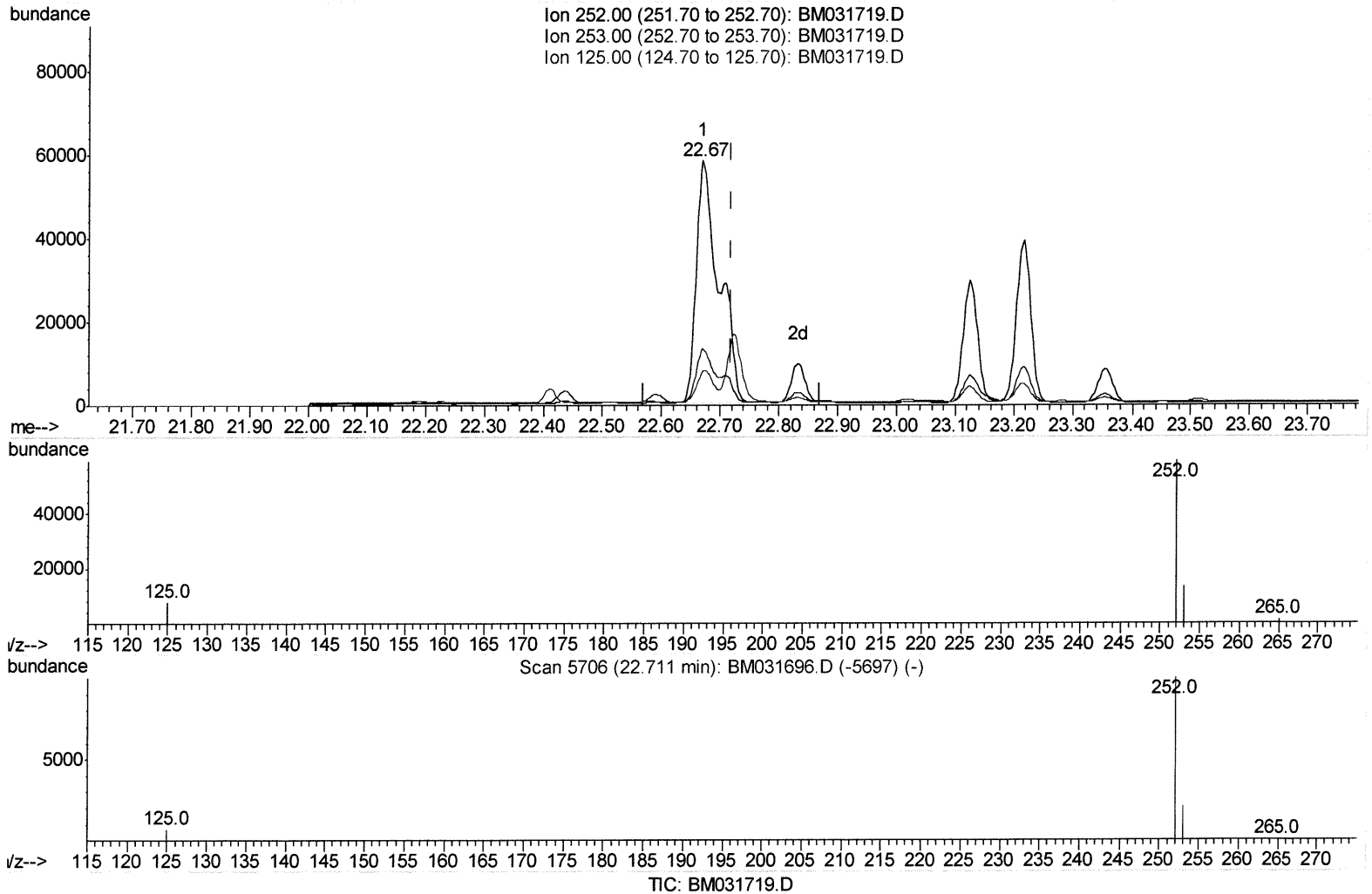
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\  
 Data File : BM031719.D  
 Acq On : 13 Aug 2021 17:43  
 Operator : CG/JU  
 Sample : M3208-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00E9

Manual Integrations  
 APPROVED

mohammad  
 8/16/2021 8:40:09 AM

Quant Time: Aug 13 18:13:06 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 : Thu Aug 12 17:28:09 2021  
 Response via : Initial Calibration



(25) Benzo(k)fluoranthene  
 22.670min (-0.051) 8.81ng/ul  
 response 156423

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 23.01  |
| 125.00 | 11.00 | 13.45# |
| 0.00   | 0.00  | 0.00   |

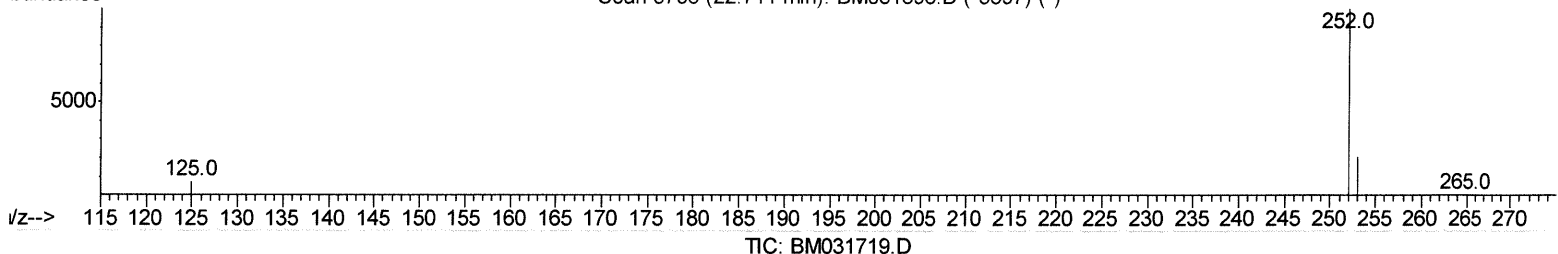
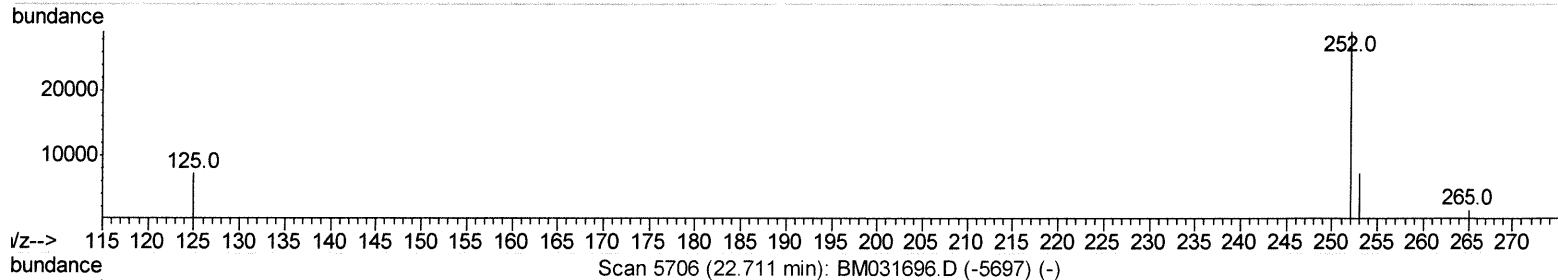
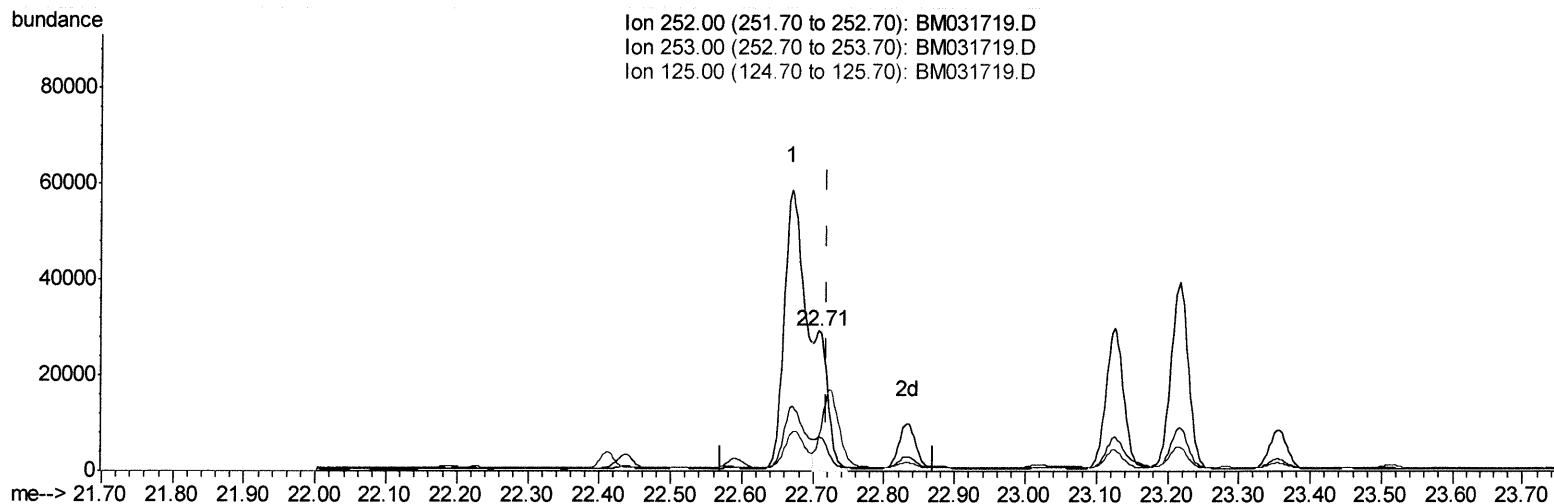
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\  
 Data File : BM031719.D  
 Acq On : 13 Aug 2021 17:43  
 Operator : CG/JU  
 Sample : M3208-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00E9

Manual Integrations  
 APPROVED

mohammad  
 8/16/2021 8:40:09 AM

Quant Time: Aug 13 18:13:06 2021  
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 Response via : Initial Calibration



(25) Benzo(k)fluoranthene

22.708min (-0.012) 2.25ng/ul m

response 40005

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 26.60 | 24.75  |
| 125.00 | 11.00 | 24.24# |
| 0.00   | 0.00  | 0.00   |

*JU 8/16/21*

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM081221\  
 Data File : BM031719.D  
 Acq On : 13 Aug 2021 17:43  
 Operator : CG/JU  
 Sample : M3208-09  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C00E9

Manual Integrations  
 APPROVED

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| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.57  | 152  | 1101     | 0.40   | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.32 | 136  | 4147     | 0.40   | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.20 | 164  | 2628     | 0.40   | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.95 | 188  | 4732     | 0.40   | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.15 | 240  | 3917     | 0.40   | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.31 | 264  | 3814     | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.18  | 96   | 3926     | 3.21   | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.92 | 152  | 1439     | 0.21   | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.99 | 212  | 2794     | 0.21   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          |        | Ovalue |          |
| 5) Naphthalene              | 10.37 | 128  | 24905    | 2.016  | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 11.99 | 142  | 17274    | 2.047  | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.22 | 142  | 8869     | 1.064  | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.92 | 152  | 14367    | 1.284  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.27 | 153  | 1459m    | 0.155  | ng/ul  | 99       |
| 12) Fluorene                | 15.25 | 166  | 2443     | 0.225  | ng/ul# | 84       |
| 14) Pentachlorophenol       | 16.61 | 266  | 35       | 0.023  | ng/ul  | 91       |
| 15) Phenanthrene            | 16.99 | 178  | 79939    | 5.320  | ng/ul  | 98       |
| 16) Anthracene              | 17.09 | 178  | 18393    | 1.307  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.02 | 202  | 180857   | 10.813 | ng/ul  | 97       |
| 20) Pyrene                  | 19.38 | 202  | 141359   | 8.333  | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.14 | 228  | 84536    | 5.345  | ng/ul  | 96       |
| 22) Chrysene                | 21.19 | 228  | 98118    | 5.996  | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 22.67 | 252  | 120018m  | 6.984  | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 22.71 | 252  | 40005m   | 2.253  | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.22 | 252  | 67252    | 4.469  | ng/ul  | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.44 | 276  | 49578    | 2.548  | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 25.45 | 278  | 13434    | 0.857  | ng/ul# | 92       |
| 29) Benzo(a,h,i)perylene    | 26.10 | 276  | 13920    | 0.839  | ng/ul  | 95       |

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

> Ju 8/16/21

> Ju 8/16/21