

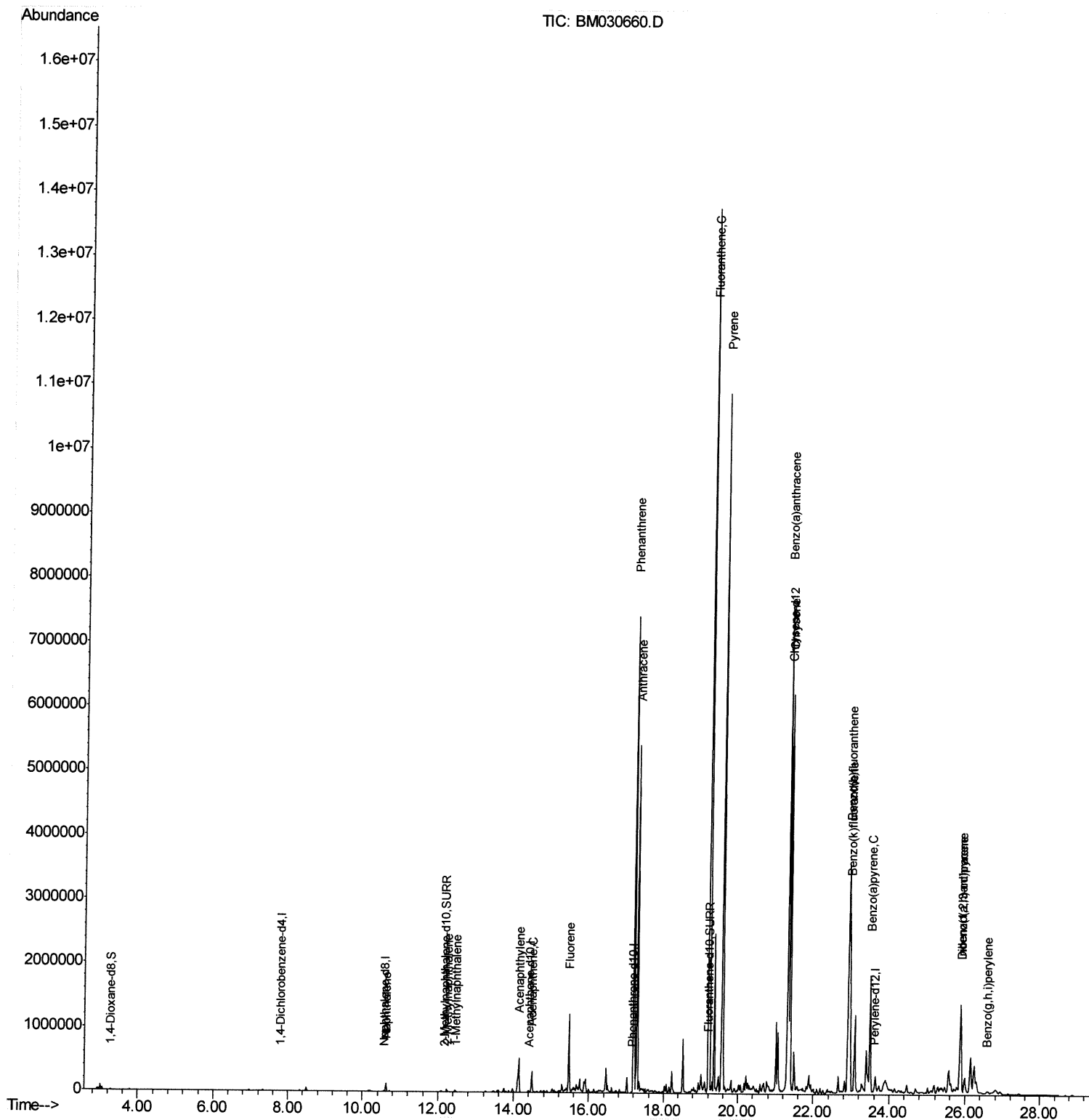
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
Data File : BM030660.D  
Acq On : 28 Jun 2021 19:15  
Operator : CG/JU  
Sample : M2682-02  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3

Manual Integrations  
APPROVED

mohammad  
6/29/2021 2:31:29 PM

Quant Time: Jun 29 08:13:27 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 28 14:33:12 2021  
Response via : Initial Calibration



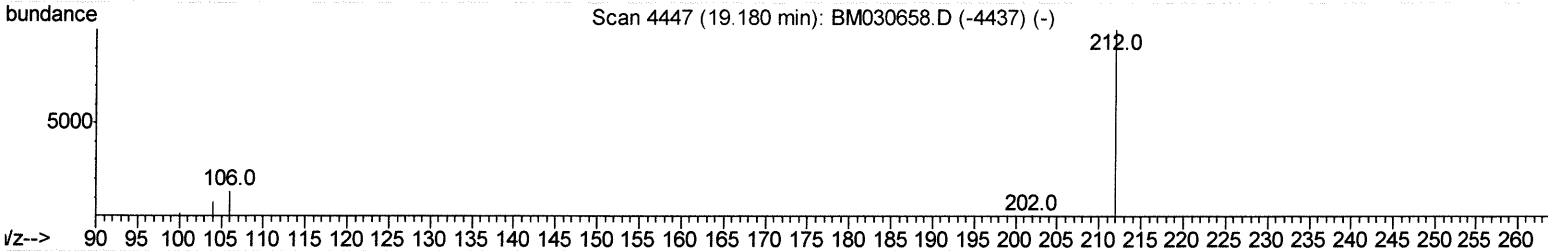
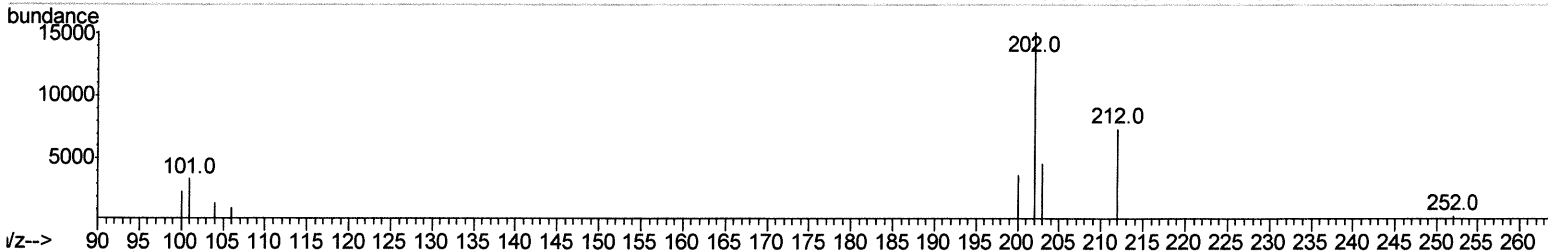
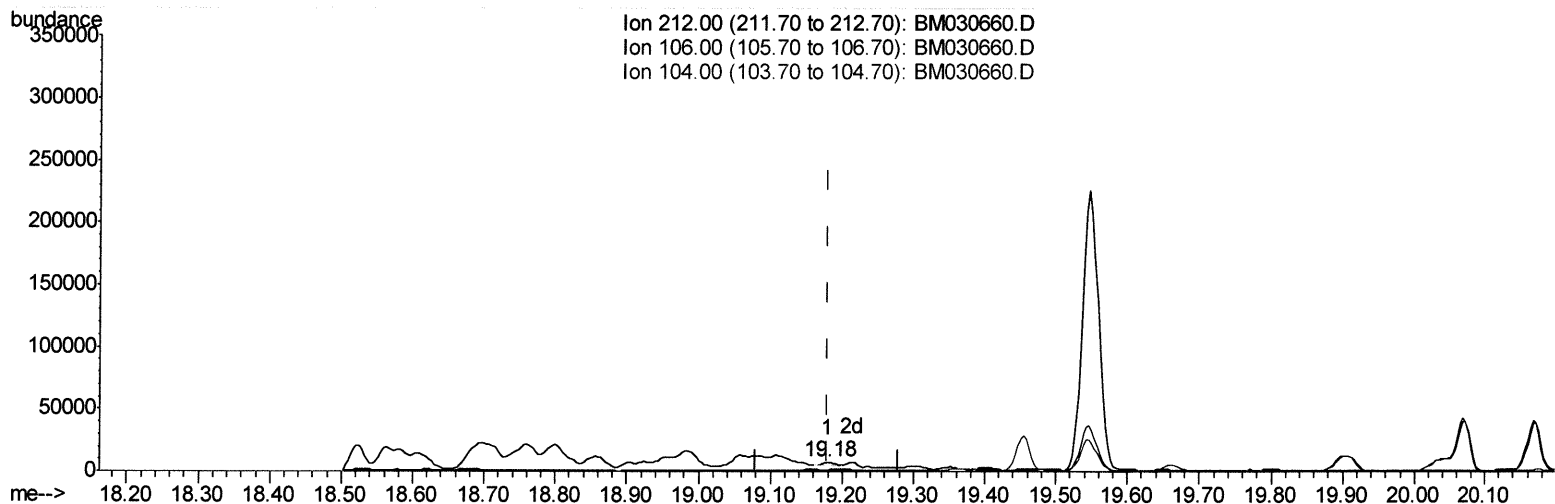
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Manual Integrations  
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 QLast Update : Tue Jun 29 08:22:19 2021  
 Response via : Initial Calibration



TIC: BM030660.D

(18) Fluoranthene-d10 (SURR)

19.180min (+0.000) 0.08ng/ul

response 3862

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 212.00 | 100   | 100    |
| 106.00 | 14.20 | 20.92# |
| 104.00 | 8.40  | 0.00#  |
| 0.00   | 0.00  | 0.00   |

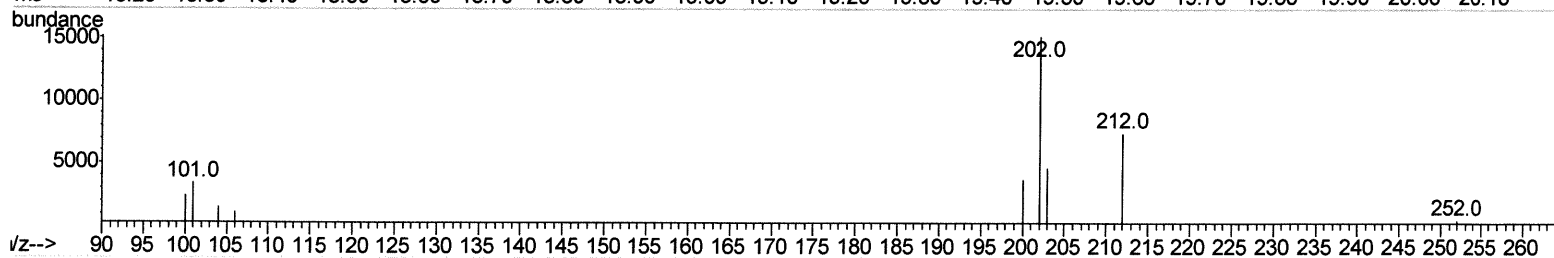
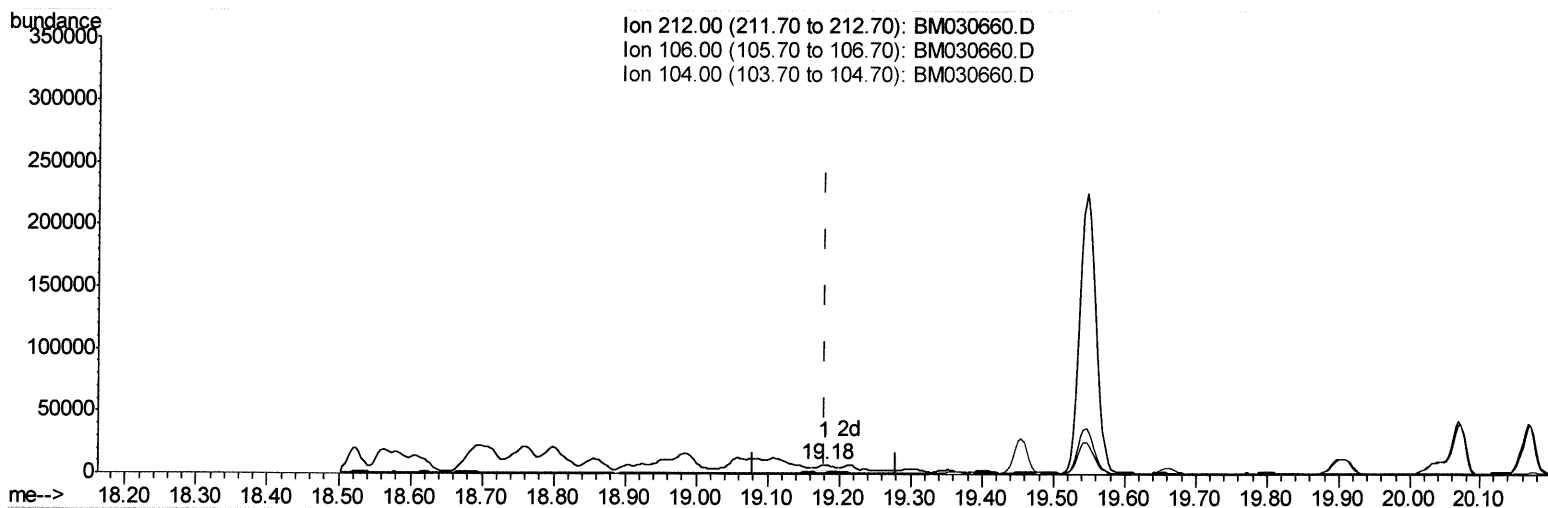
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 Data File : BM030660.D  
 Acq On : 28 Jun 2021 19:15  
 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3

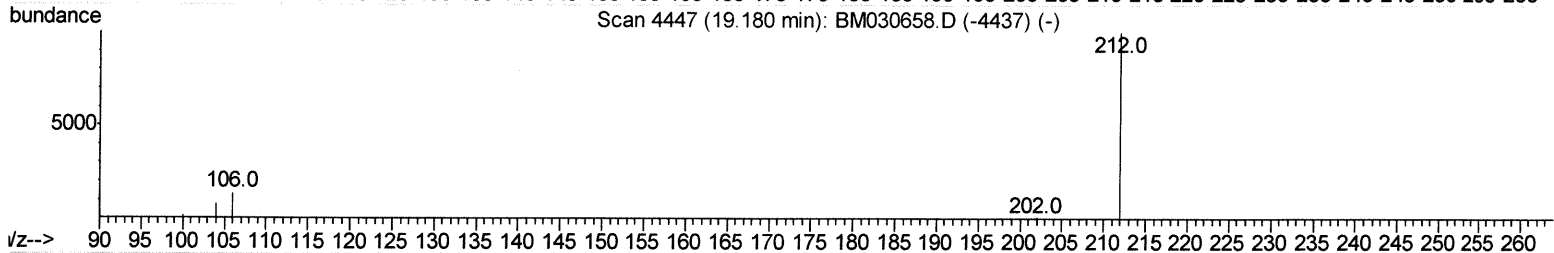
Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:29 PM

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Scan 4447 (19.180 min): BM030658.D (-4437) (-)



TIC: BM030660.D

(18) Fluoranthene-d10 (SURR)

19.180min (+0.000) 0.15ng/ul m

*JU 6/30/21*

response 6910

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 212.00 | 100   | 100   |
| 106.00 | 14.20 | 11.69 |
| 104.00 | 8.40  | 0.00# |
| 0.00   | 0.00  | 0.00  |

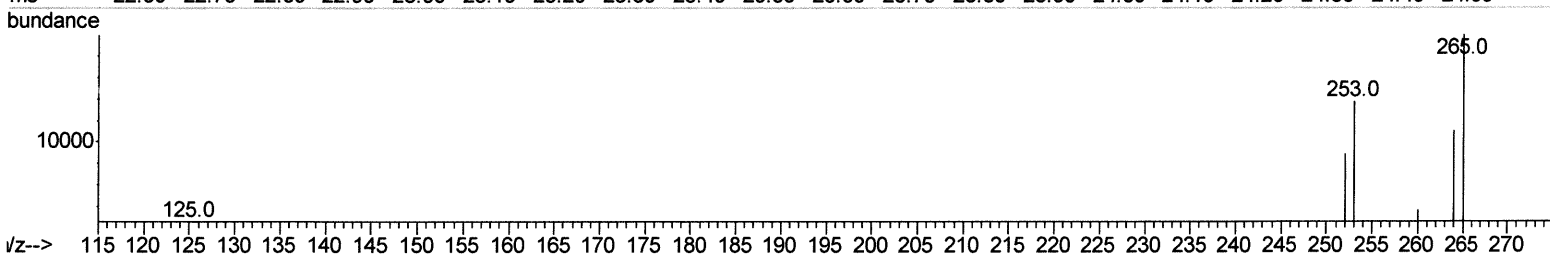
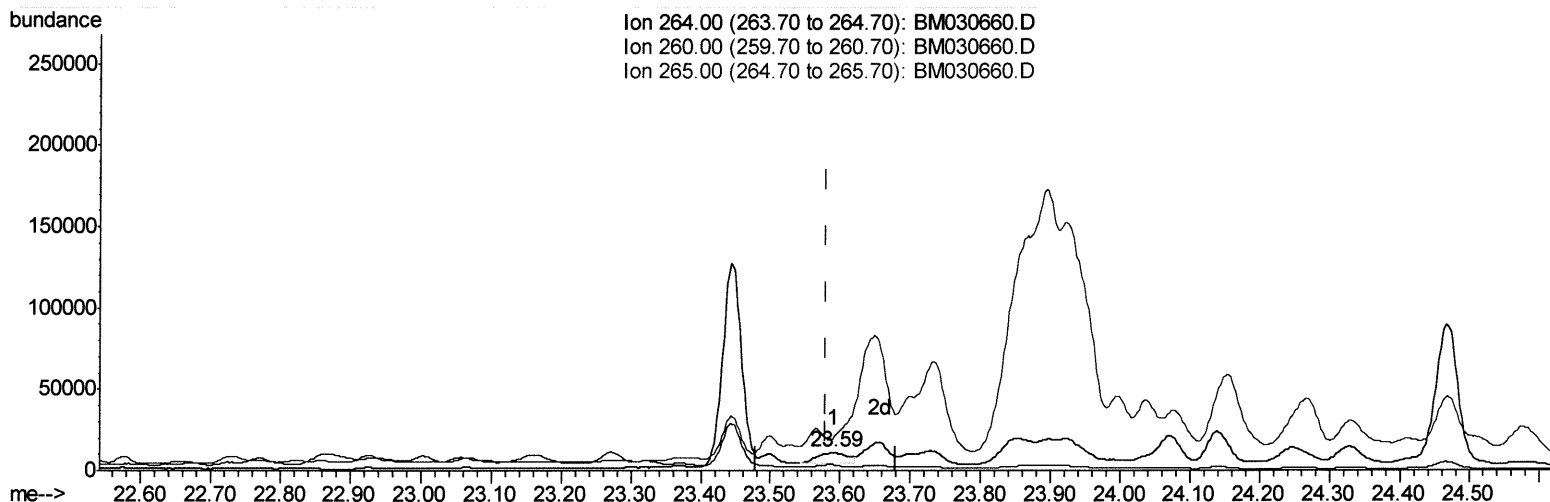
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 Data File : BM030660.D  
 Acq On : 28 Jun 2021 19:15  
 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3

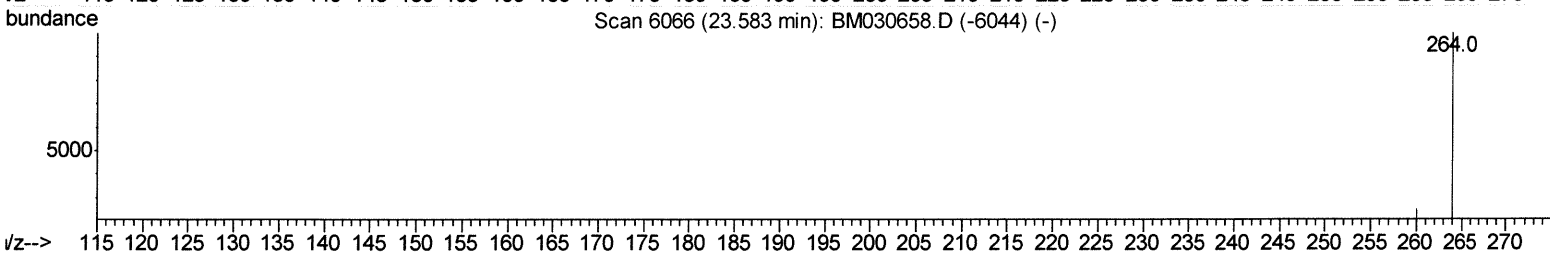
Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:29 PM

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Scan 6066 (23.583 min): BM030658.D (-6044) (-)



TIC: BM030660.D

(23) Perylene-d12 (I)

23.590min (+0.010) 0.40ng/ui

response 19461

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 264.00 | 100   | 100     |
| 260.00 | 26.60 | 32.99#  |
| 265.00 | 86.70 | 180.68# |
| 0.00   | 0.00  | 0.00    |

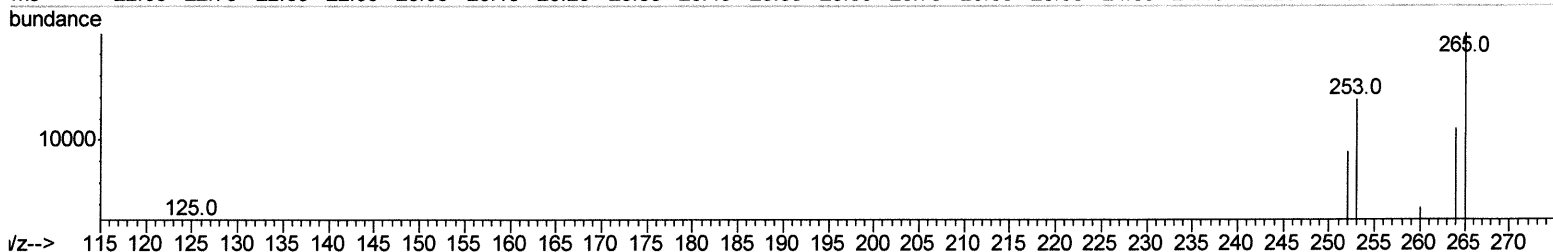
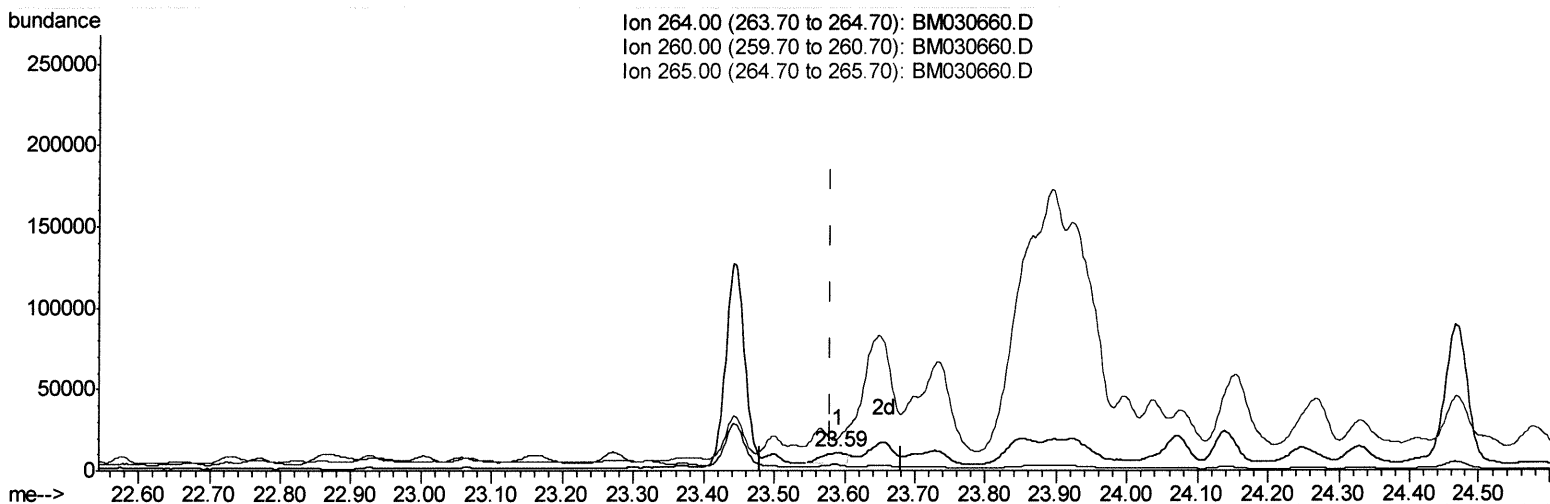
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
 Data File : BM030660.D  
 Acq On : 28 Jun 2021 19:15  
 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3

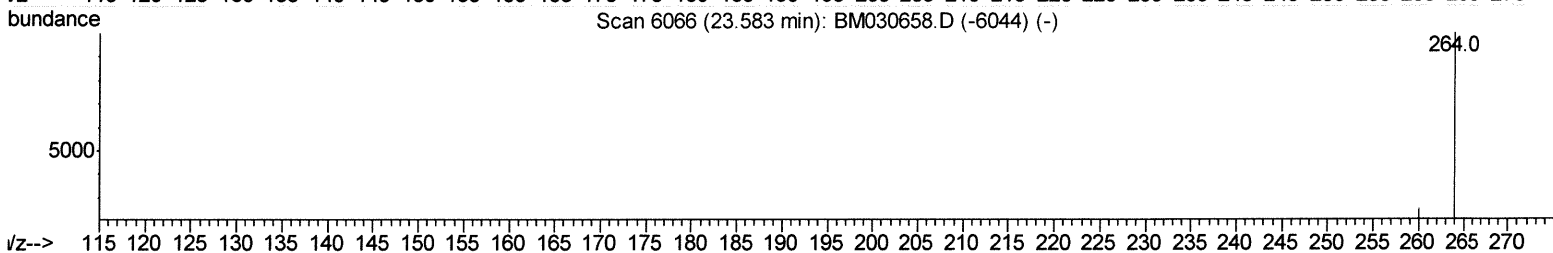
Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:29 PM

Quant Time: Jun 29 08:13:27 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 28 14:33:12 2021  
 Response via : Initial Calibration



Scan 6066 (23.583 min): BM030658.D (-6044) (-)



TIC: BM030660.D

(23) Perylene-d12 (I)

23.590min (+0.010) 0.40ng/ul m *JU 6/30/21*

response 15556

| Ion    | Exp%  | Act%    |
|--------|-------|---------|
| 264.00 | 100   | 100     |
| 260.00 | 26.60 | 32.99#  |
| 265.00 | 86.70 | 180.68# |
| 0.00   | 0.00  | 0.00    |

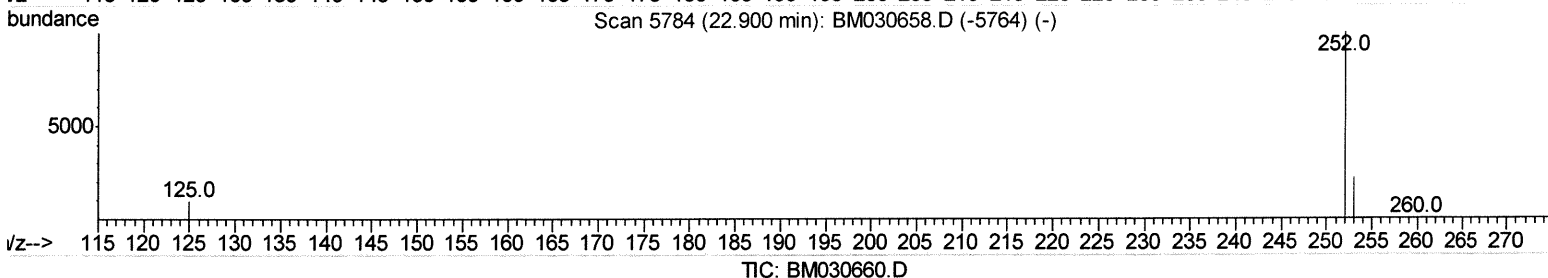
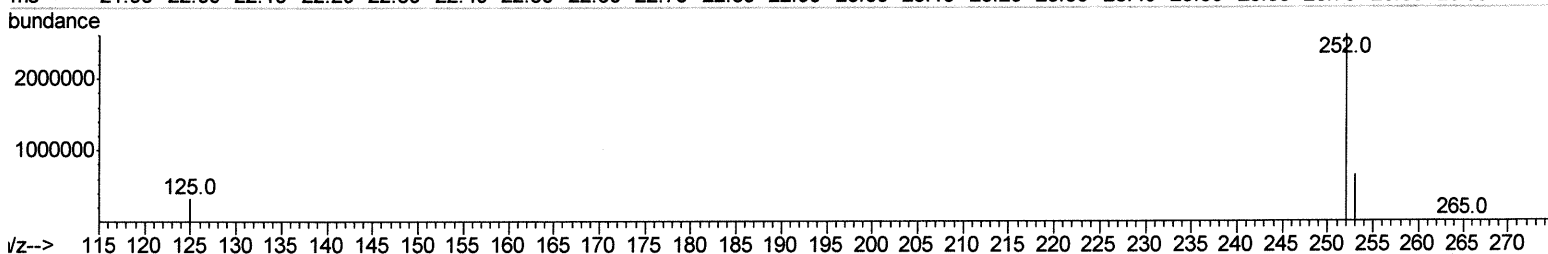
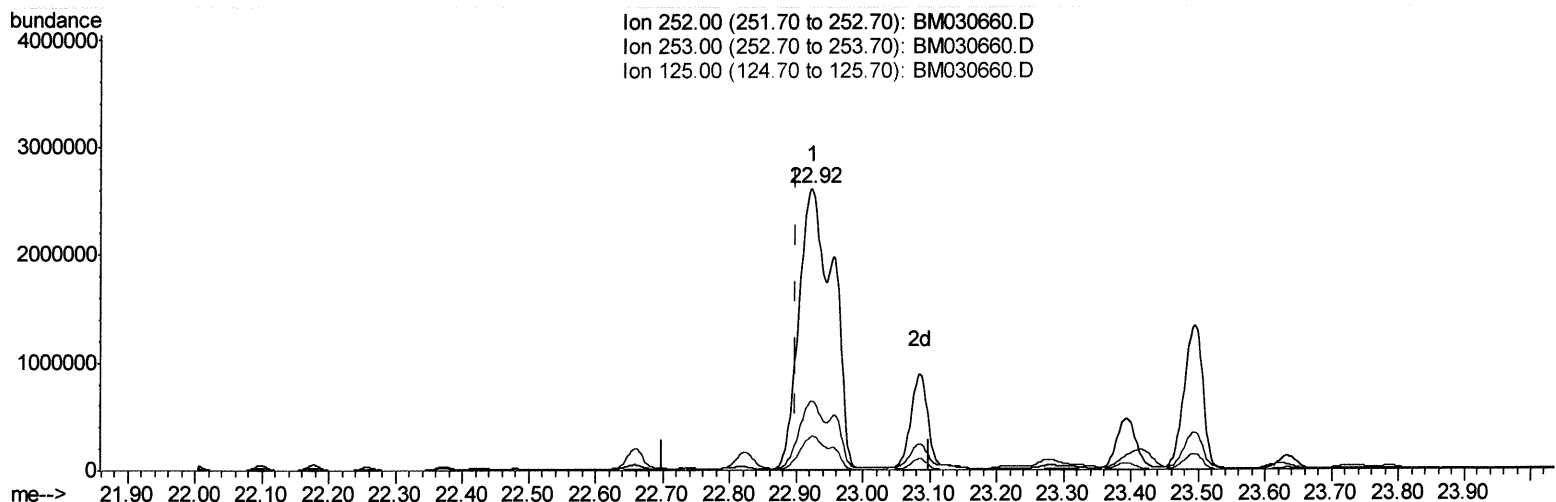
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
 Data File : BM030660.D  
 Acq On : 28 Jun 2021 19:15  
 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3

Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:29 PM

Quant Time: Jun 29 08:26:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.924min (+0.024) 106.61ng/ul

response 9189164

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 28.90 | 24.72 |
| 125.00 | 16.60 | 12.14 |
| 0.00   | 0.00  | 0.00  |

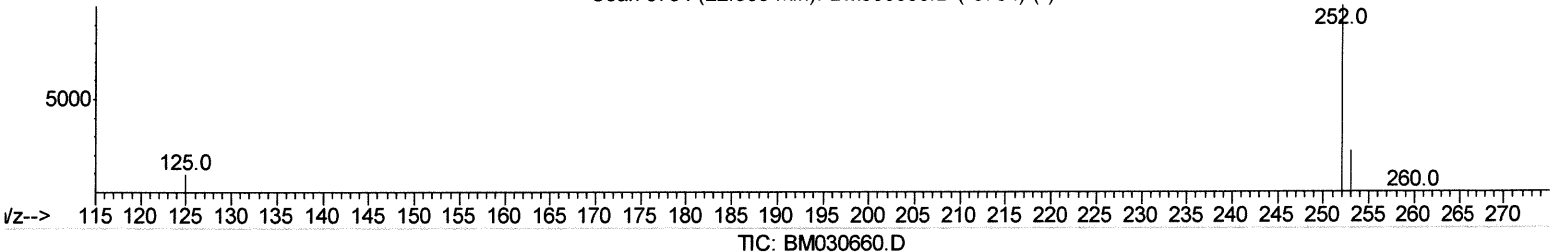
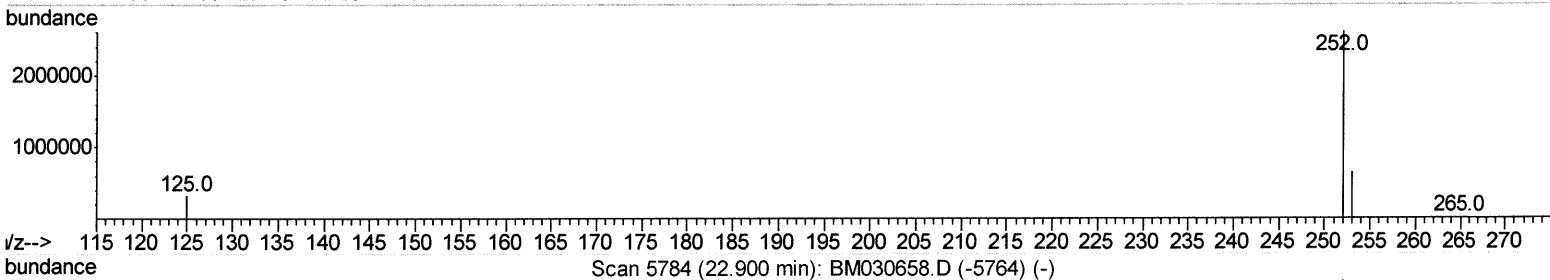
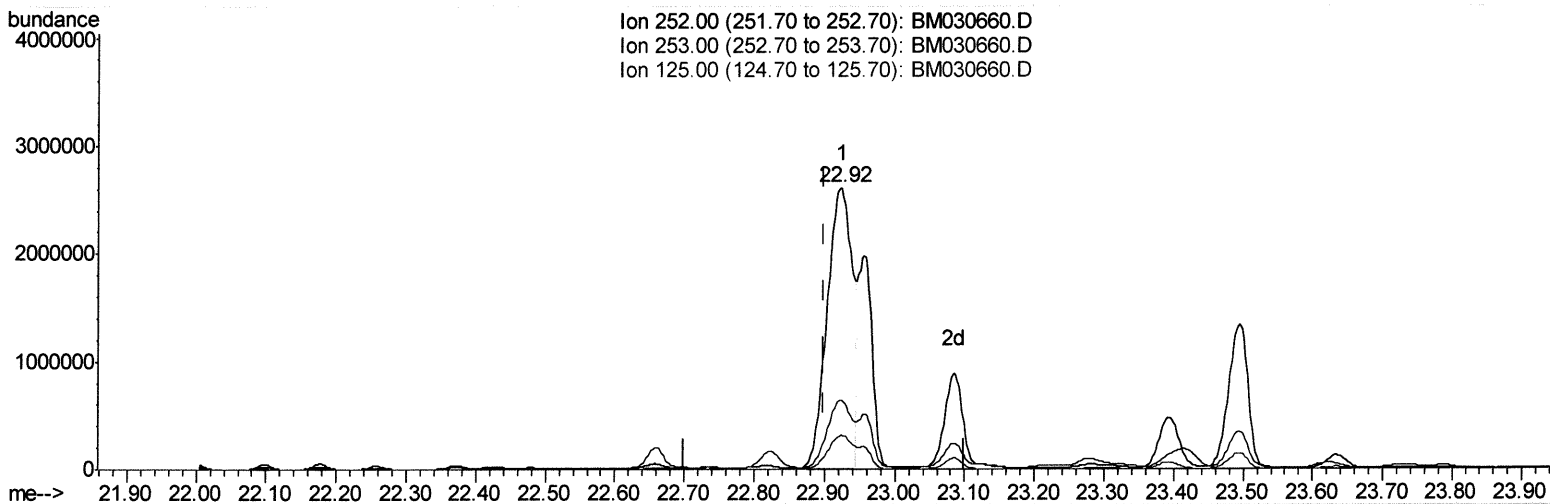
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
 Data File : BM030660.D  
 Acq On : 28 Jun 2021 19:15  
 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3

Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:29 PM

Quant Time: Jun 29 08:13:27 2021  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 28 14:33:12 2021  
 Response via : Initial Calibration



(24) Benzo(b)fluoranthene

22.924min (+0.024) 91.88ng/ul m

*JU 6/30/21*

response 6330789

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 28.90 | 24.72 |
| 125.00 | 16.60 | 12.14 |
| 0.00   | 0.00  | 0.00  |

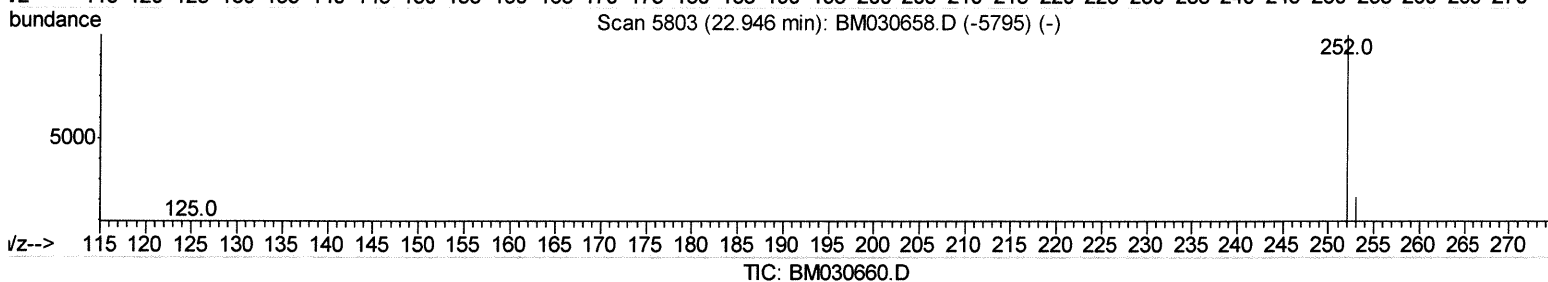
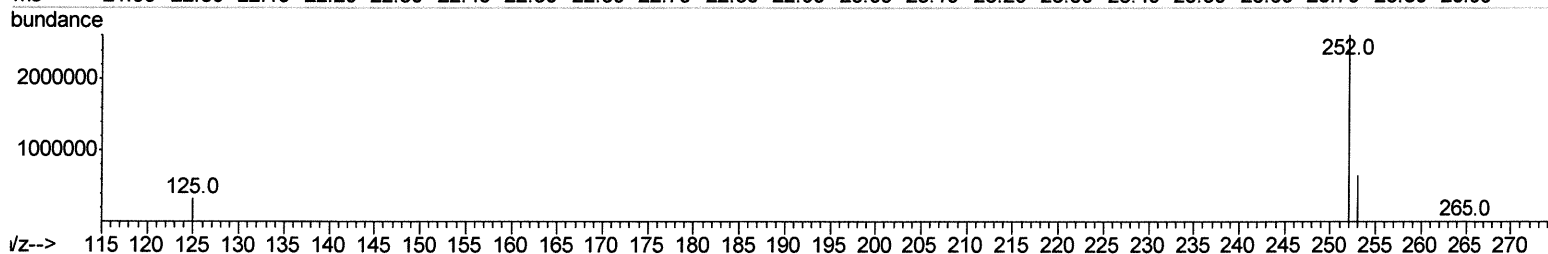
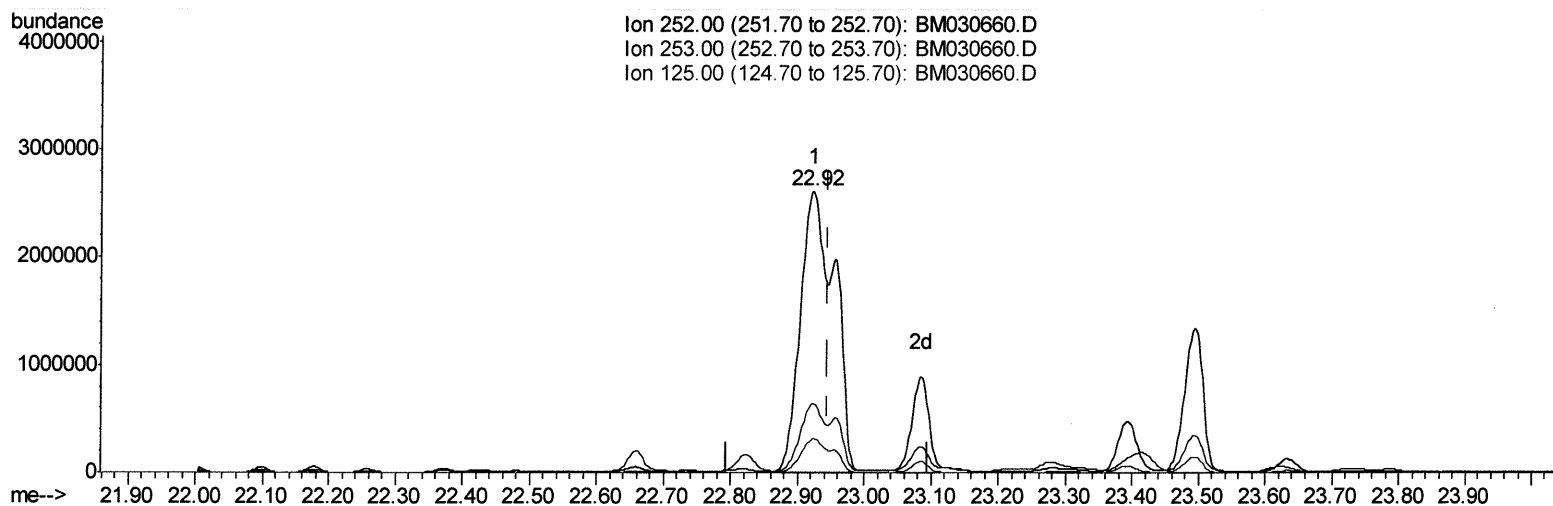
Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
 Data File : BM030660.D  
 Acq On : 28 Jun 2021 19:15  
 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BGDF3

Manual Integrations  
 APPROVED

mohammad  
 6/29/2021 2:31:29 PM

Quant Time: Jun 29 08:26:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SFAM-EPA-SIM-BM062821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 29 08:22:19 2021  
 Response via : Initial Calibration



(25) Benzo(k)fluoranthene

22.924min (-0.022) 103.40ng/ul

response 9189164

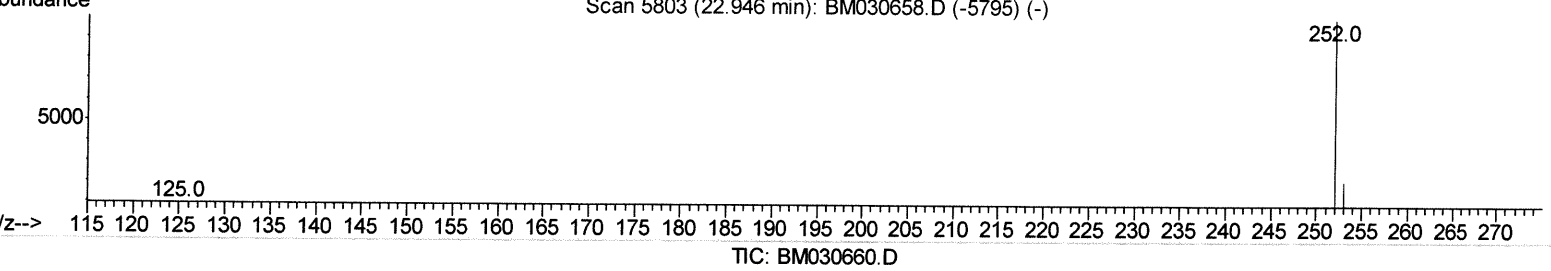
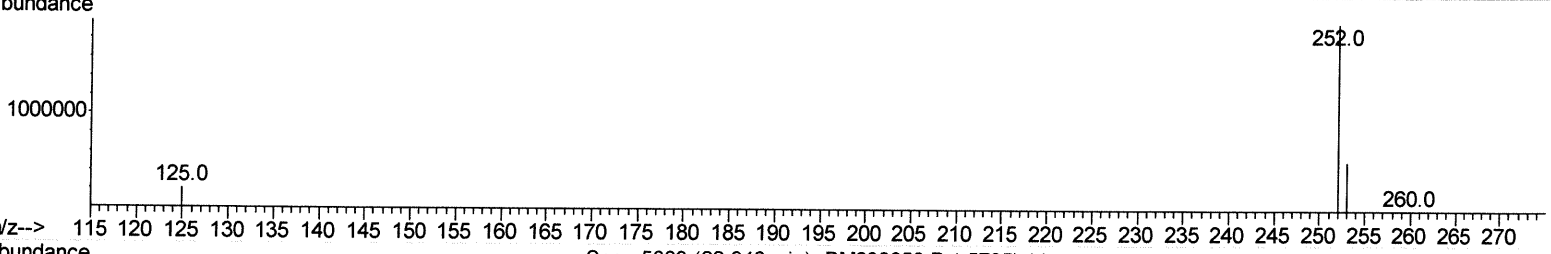
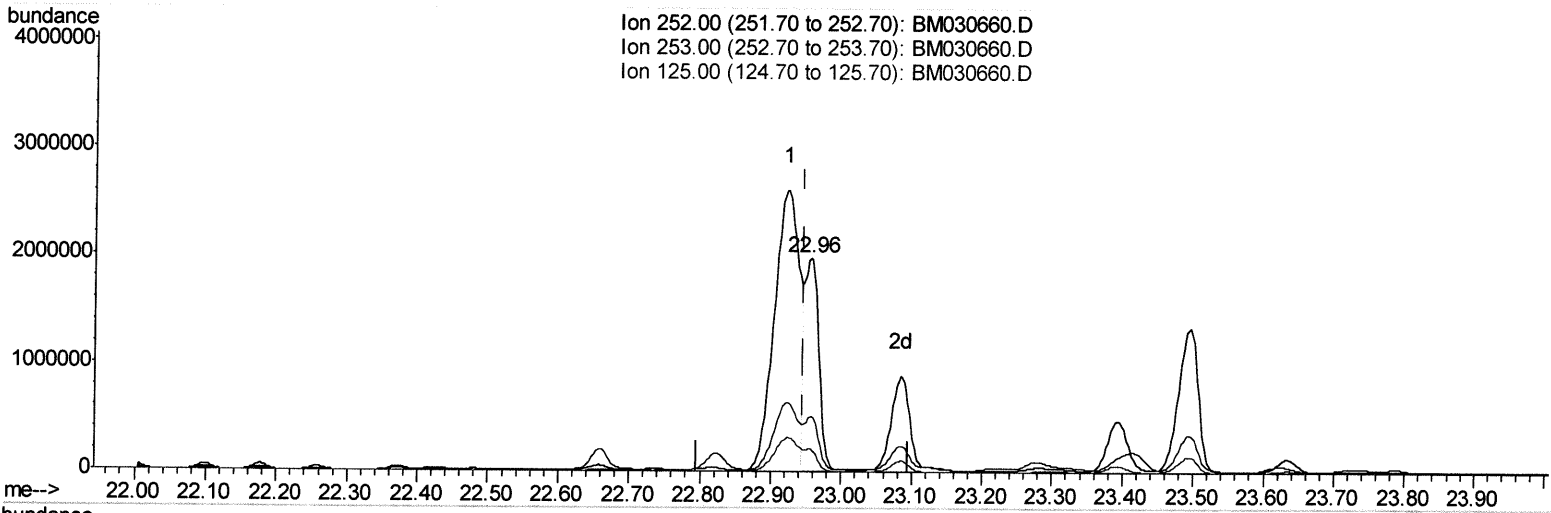
| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 29.00 | 24.72  |
| 125.00 | 15.80 | 12.14# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BGDF3

Manual Integrations  
APPROVED  
mohammad  
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QLast Update : Mon Jun 28 14:33:12 2021  
Response via : Initial Calibration



(25) Benzo(k)fluoranthene

22.956min (+0.010) 39.75ng/ul m  
Ju 6/30/21

response 2823877

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 29.00 | 25.83  |
| 125.00 | 15.80 | 10.60# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM062821\  
 Data File : BM030660.D  
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 Operator : CG/JU  
 Sample : M2682-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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Manual Integrations  
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| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 2348     | 0.40 | ng/ul | 0.00     |
| 4) Naphthalene-d8         | 10.57 | 136  | 8961     | 0.40 | ng/ul | 0.00     |
| 9) Acenaphthene-d10       | 14.42 | 164  | 6262     | 0.40 | ng/ul | 0.00     |
| 13) Phenanthrene-d10      | 17.16 | 188  | 11204    | 0.40 | ng/ul | 0.00     |
| 17) Chrysene-d12          | 21.34 | 240  | 16446    | 0.40 | ng/ul | 0.00     |
| 23) Perylene-d12          | 23.59 | 264  | 15556m   | 0.40 | ng/ul | 0.00     |

JY 6/30/21

#### System Monitoring Compounds

|                            |       |     |       |      |       |      |
|----------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8          | 3.28  | 96  | 4454  | 1.74 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.16 | 152 | 3199  | 0.23 | ng/ul | 0.00 |
| 18) Fluoranthene-d10       | 19.18 | 212 | 6910m | 0.15 | ng/ul | 0.00 |

JY 6/30/21

#### Target Compounds

|                            |       |     |          |         | Ovalue |            |
|----------------------------|-------|-----|----------|---------|--------|------------|
| 5) Naphthalene             | 10.62 | 128 | 172373   | 6.750   | ng/ul  | 98         |
| 7) 2-Methylnaphthalene     | 12.24 | 142 | 28785    | 1.675   | ng/ul  | 98         |
| 8) 1-Methylnaphthalene     | 12.46 | 142 | 18998    | 1.136   | ng/ul  | 98         |
| 10) Acenaphthylene         | 14.14 | 152 | 621588   | 22.236  | ng/ul  | 98         |
| 11) Acenaphthene           | 14.48 | 153 | 200023   | 8.831   | ng/ul  | 98         |
| 12) Fluorene               | 15.46 | 166 | 767506   | 30.717  | ng/ul  | 99         |
| 15) Phenanthrene           | 17.21 | 178 | 8149668  | 216.371 | ng/ul  | 94         |
| 16) Anthracene             | 17.29 | 178 | 5513902  | 167.162 | ng/ul  | 98         |
| 19) Fluoranthene           | 19.23 | 202 | 14622000 | 201.436 | ng/ul# | 86         |
| 20) Pyrene                 | 19.58 | 202 | 9897922  | 135.601 | ng/ul# | 90         |
| 21) Benzo(a)anthracene     | 21.32 | 228 | 7106089  | 108.394 | ng/ul# | 83         |
| 22) Chrysene               | 21.37 | 228 | 5724543  | 77.951  | ng/ul# | 90         |
| 24) Benzo(b)fluoranthene   | 22.92 | 252 | 6330789m | 91.882  | ng/ul  | JY 6/30/21 |
| 25) Benzo(k)fluoranthene   | 22.96 | 252 | 2823877m | 39.753  | ng/ul  |            |
| 26) Benzo(a)pyrene         | 23.50 | 252 | 2597252  | 44.318  | ng/ul# | 86         |
| 27) Indeno(1,2,3-cd)pyrene | 25.88 | 276 | 1926983  | 25.241  | ng/ul# | 97         |
| 28) Dibenzo(a,h)anthracene | 25.88 | 278 | 812706   | 13.266  | ng/ul  | 97         |
| 29) Benzo(a,h,i)perylene   | 26.58 | 276 | 82766    | 1.248   | ng/ul# | 85         |

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