

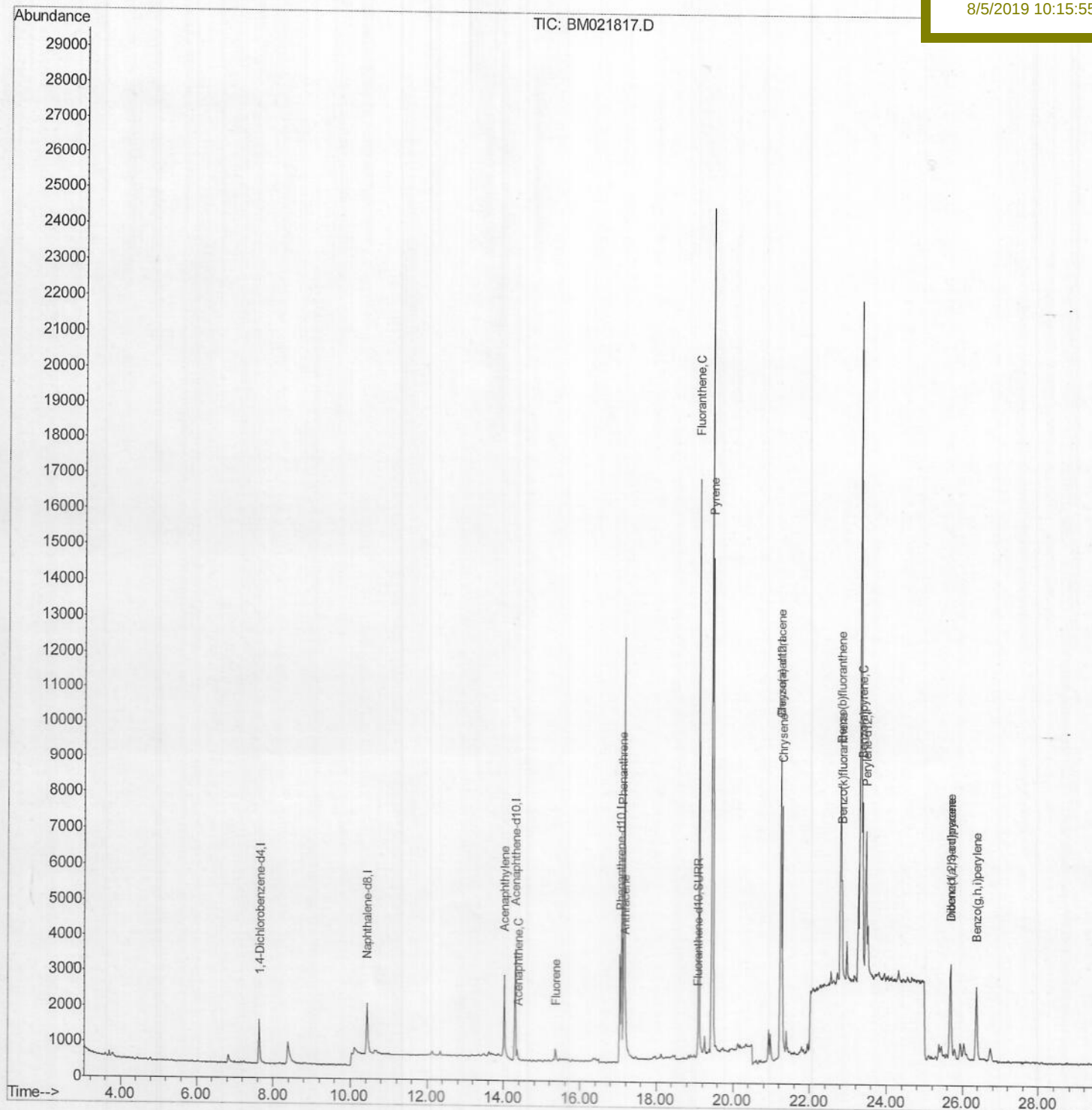
Data File : BM021817.D  
Acq On : 04 Aug 2019 17:49  
Operator : HP/JU  
Sample : K3850-17DL 10X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 05 07:46:33 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 05 06:57:04 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
ClientSampleId :  
BENS3DL

Manual Integrations  
APPROVED

mohammad  
8/5/2019 10:15:55 PM



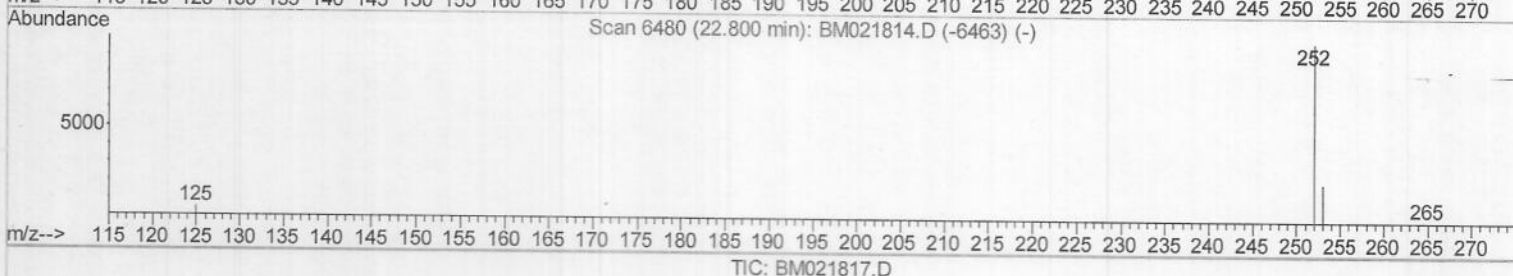
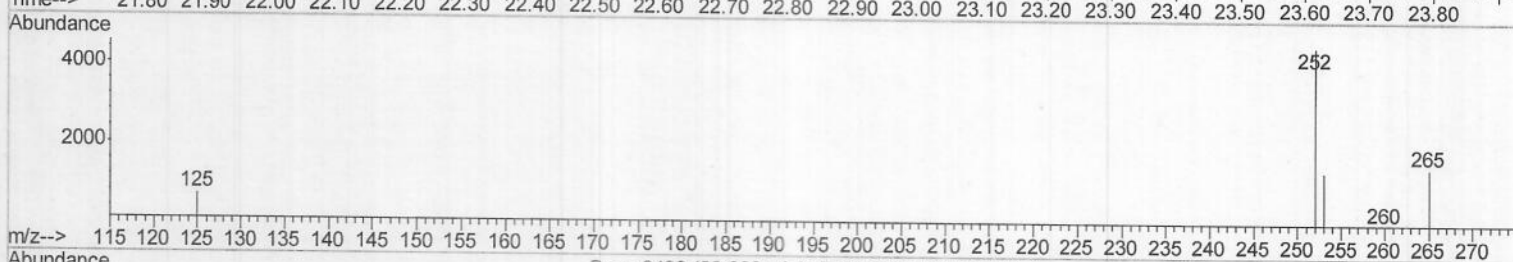
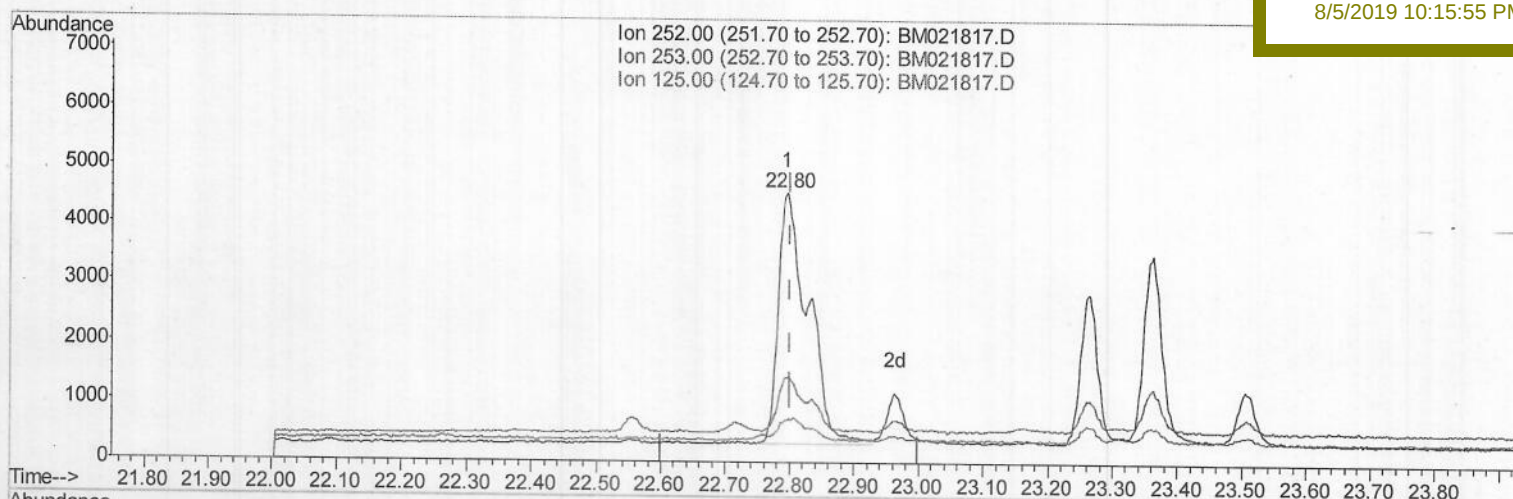
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Quant Time: Aug 05 07:00:14 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 05 06:57:04 2019  
Response via : Initial Calibration



(21) Benzo(b)fluoranthene  
22.796min (-0.005) 0.65ng/ul  
response 13591

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 30.97 |
| 125.00 | 15.50 | 15.45 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

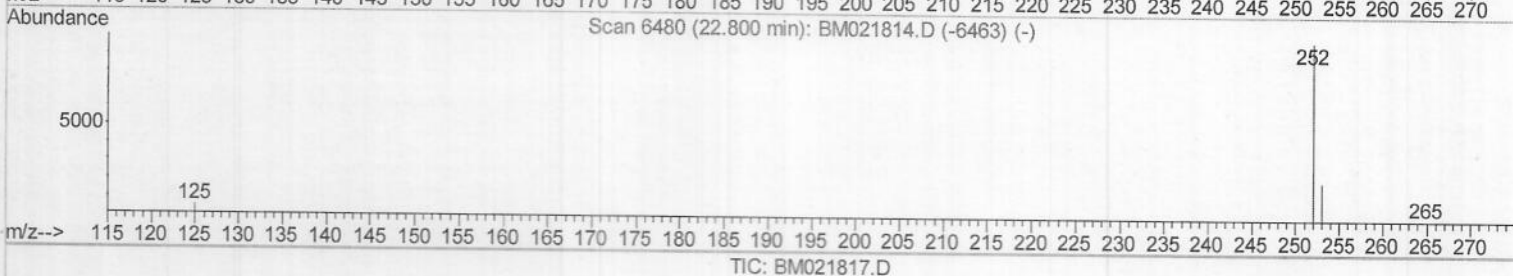
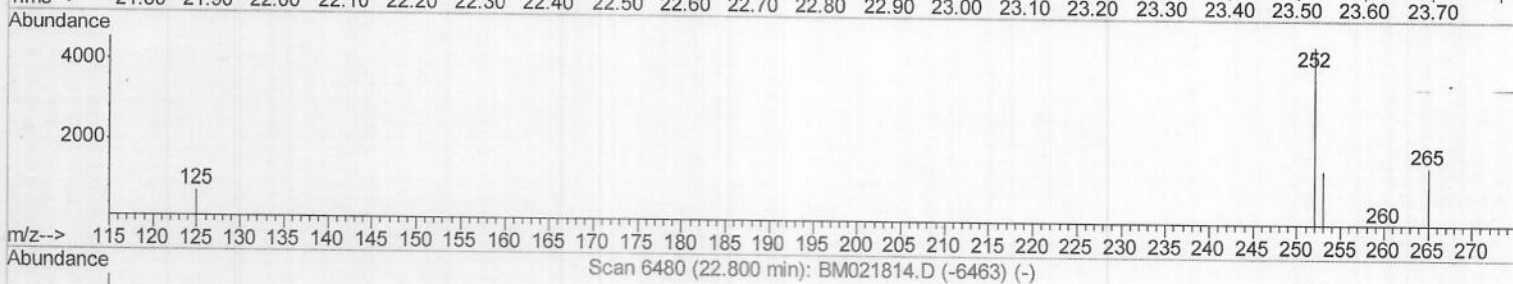
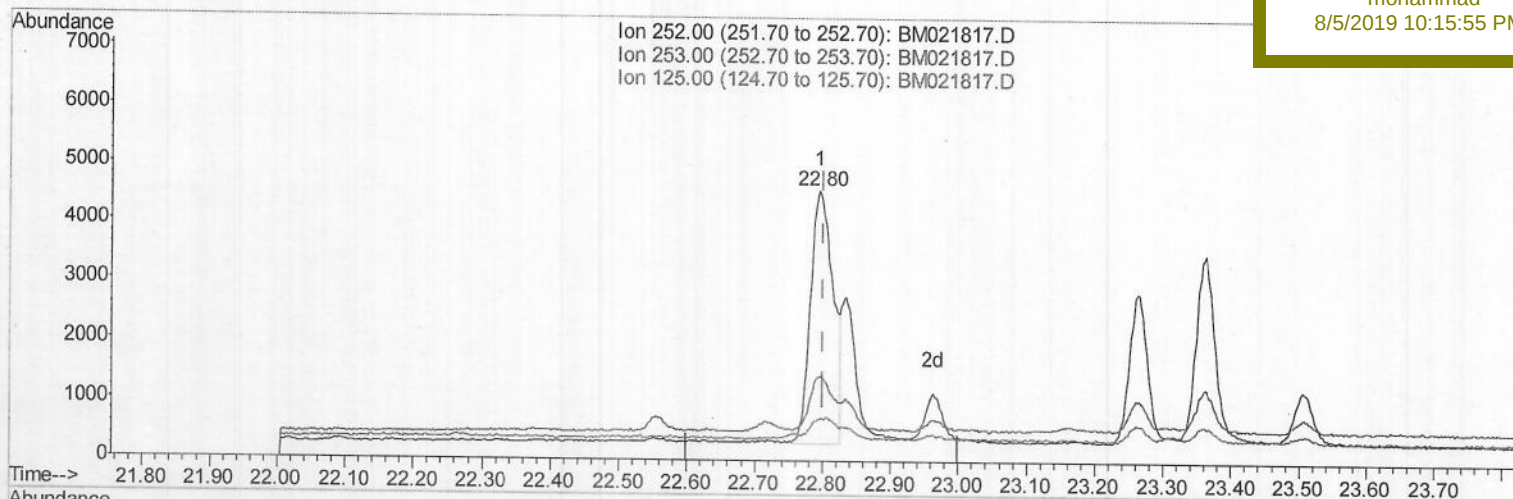
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Manual Integrations  
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8/5/2019 10:15:55 PM



(21) Benzo(b)fluoranthene

22.796min (-0.005) 0.46ng/ul m

response 9706

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 30.97 |
| 125.00 | 15.50 | 15.45 |
| 0.00   | 0.00  | 0.00  |

50  
08/05/19

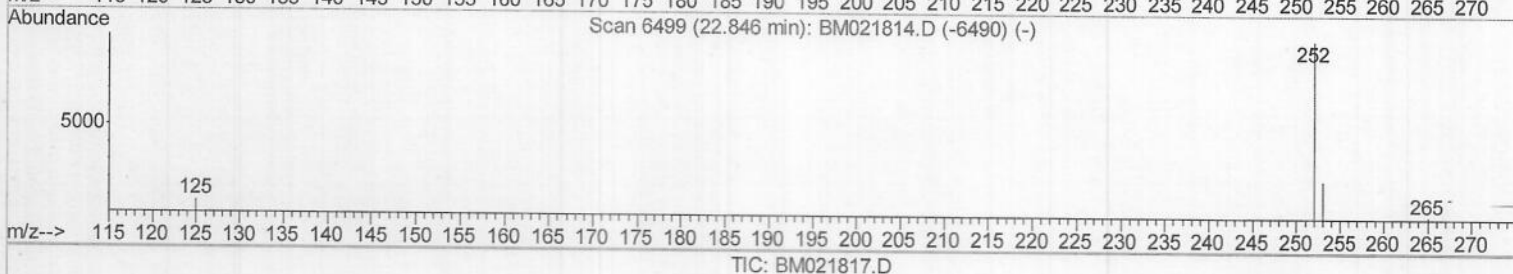
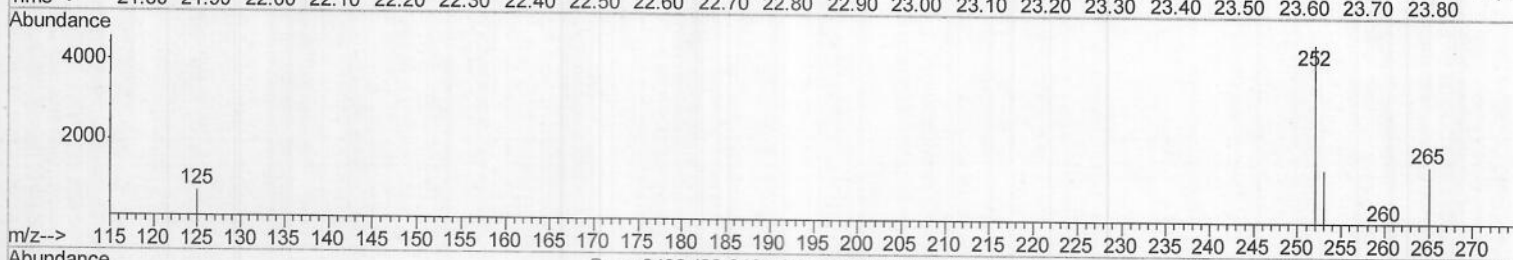
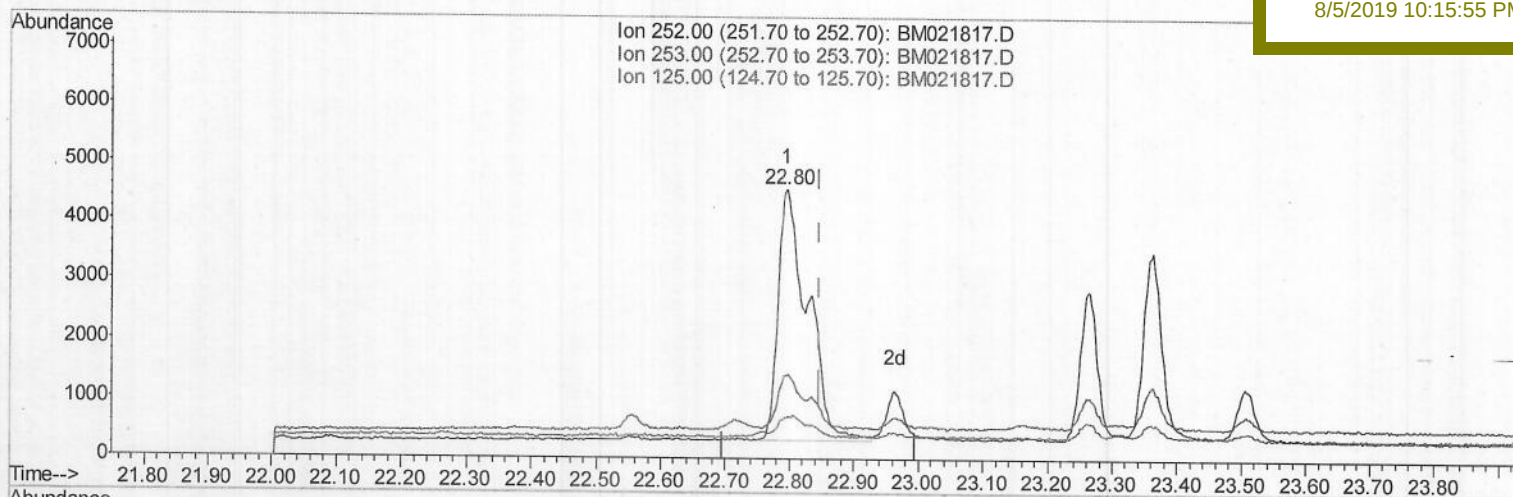
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Acq On : 04 Aug 2019 17:49  
Operator : HP/JU  
Sample : K3850-17DL 10X  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BENS3DL

Manual Integrations  
APPROVED

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Quant Time: Aug 05 07:00:14 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 05 06:57:04 2019  
Response via : Initial Calibration



(22) Benzo(k)fluoranthene  
22.796min (-0.051) 0.57ng/ul  
response 13591

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 30.97 |
| 125.00 | 15.20 | 15.45 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\  
Quantitation Report (Qedit)

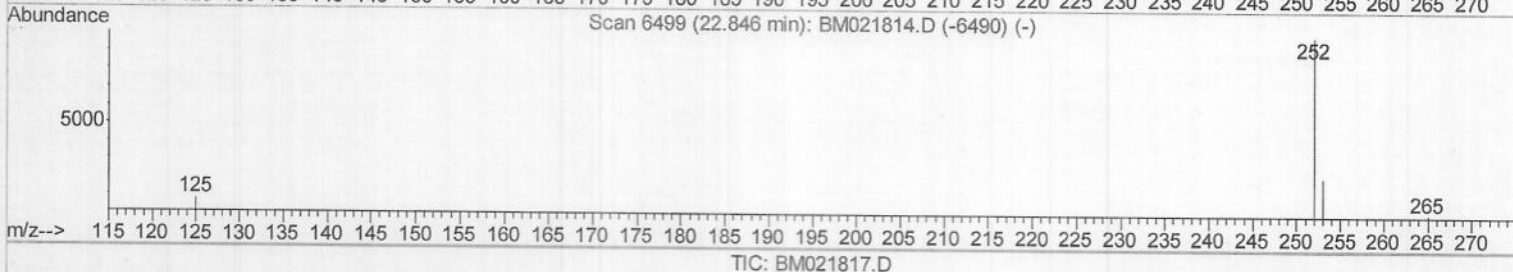
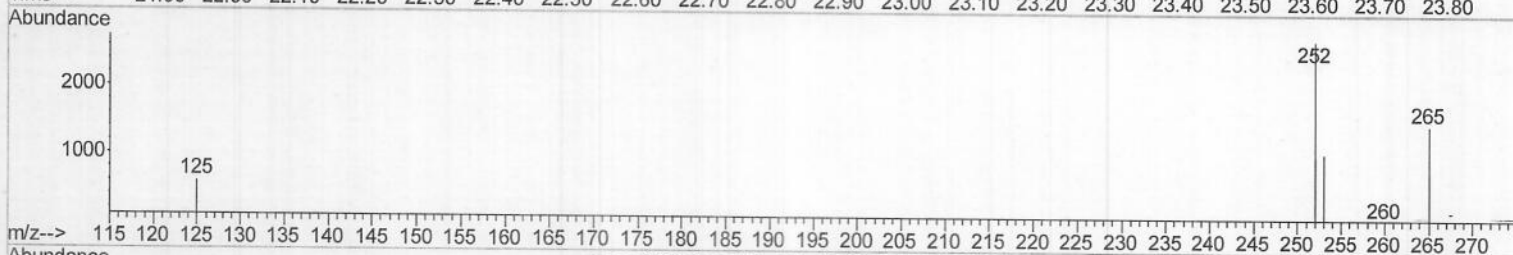
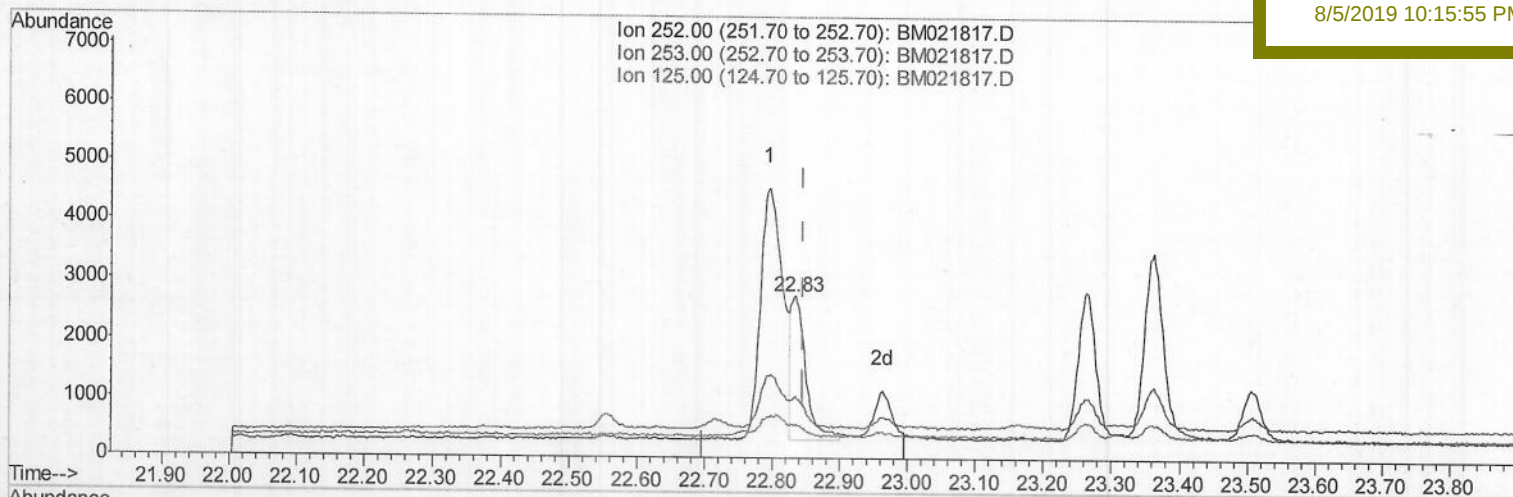
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ClientSampleId :  
BENS3DL

Manual Integrations  
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(22) Benzo(k)fluoranthene

22.834min (-0.012) 0.16ng/ul m

response 3825

50 08/05/19

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 38.65  |
| 125.00 | 15.20 | 21.07# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM080319\

# Quantitation Report (QT Reviewed)

Data File : BM021817.D

Acq On : 04 Aug 2019 17:49

Operator : HP/JU

Sample : K3850-17DL 10X

Misc :

ALS Vial : 60 Sample Multiplier: 1

Quant Time: Aug 05 07:46:33 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Aug 05 06:57:04 2019

Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENS3DL

Manual Integrations

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8/5/2019 10:15:55 PM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 760      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.43 | 136  | 3155     | 0.40 | ng/ul | 0.00     |
| 6) Acenaphthene-d10       | 14.29 | 164  | 1853     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.05 | 188  | 4270     | 0.40 | ng/ul | -0.01    |
| 16) Chrysene-d12          | 21.24 | 240  | 4585     | 0.40 | ng/ul | 0.00     |
| 20) Perylene-d12          | 23.46 | 264  | 6221     | 0.40 | ng/ul | 0.00     |

## System Monitoring Compounds

|                            |       |     |     |      |       |      |
|----------------------------|-------|-----|-----|------|-------|------|
| 4) 2-Methylnaphthalene-d10 | 12.05 | 152 | 94  | 0.02 | ng/ul | 0.02 |
| 14) Fluoranthene-d10       | 19.08 | 212 | 297 | 0.02 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |       |       |        | Qvalue           |
|----------------------------|-------|-----|-------|-------|--------|------------------|
| 7) Acenaphthylene          | 14.01 | 152 | 874   | 0.101 | ng/ul# | 83               |
| 8) Acenaphthene            | 14.36 | 153 | 166   | 0.023 | ng/ul# | 91               |
| 9) Fluorene                | 15.36 | 166 | 300   | 0.038 | ng/ul# | 90               |
| 12) Phenanthrene           | 17.09 | 178 | 7097  | 0.571 | ng/ul  | 99               |
| 13) Anthracene             | 17.19 | 178 | 1471  | 0.139 | ng/ul# | 90               |
| 15) Fluoranthene           | 19.11 | 202 | 15270 | 0.917 | ng/ul  | 97               |
| 17) Pyrene                 | 19.47 | 202 | 12591 | 0.668 | ng/ul  | 98               |
| 18) Benzo(a)anthracene     | 21.23 | 228 | 7591  | 0.463 | ng/ul  | 98               |
| 19) Chrysene               | 21.28 | 228 | 7003  | 0.332 | ng/ul  | 96               |
| 21) Benzo(b)fluoranthene   | 22.80 | 252 | 9706m | 0.463 | ng/ul  | } 50<br>08/05/19 |
| 22) Benzo(k)fluoranthene   | 22.83 | 252 | 3825m | 0.161 | ng/ul  |                  |
| 23) Benzo(a)pyrene         | 23.36 | 252 | 6118  | 0.287 | ng/ul  |                  |
| 24) Indeno(1,2,3-cd)pyrene | 25.68 | 276 | 4878  | 0.191 | ng/ul# | 92               |
| 25) Dibenzo(a,h)anthracene | 25.69 | 278 | 1212  | 0.059 | ng/ul# | 47               |
| 26) Benzo(g,h,i)perylene   | 26.36 | 276 | 4600  | 0.201 | ng/ul  | 95               |

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