

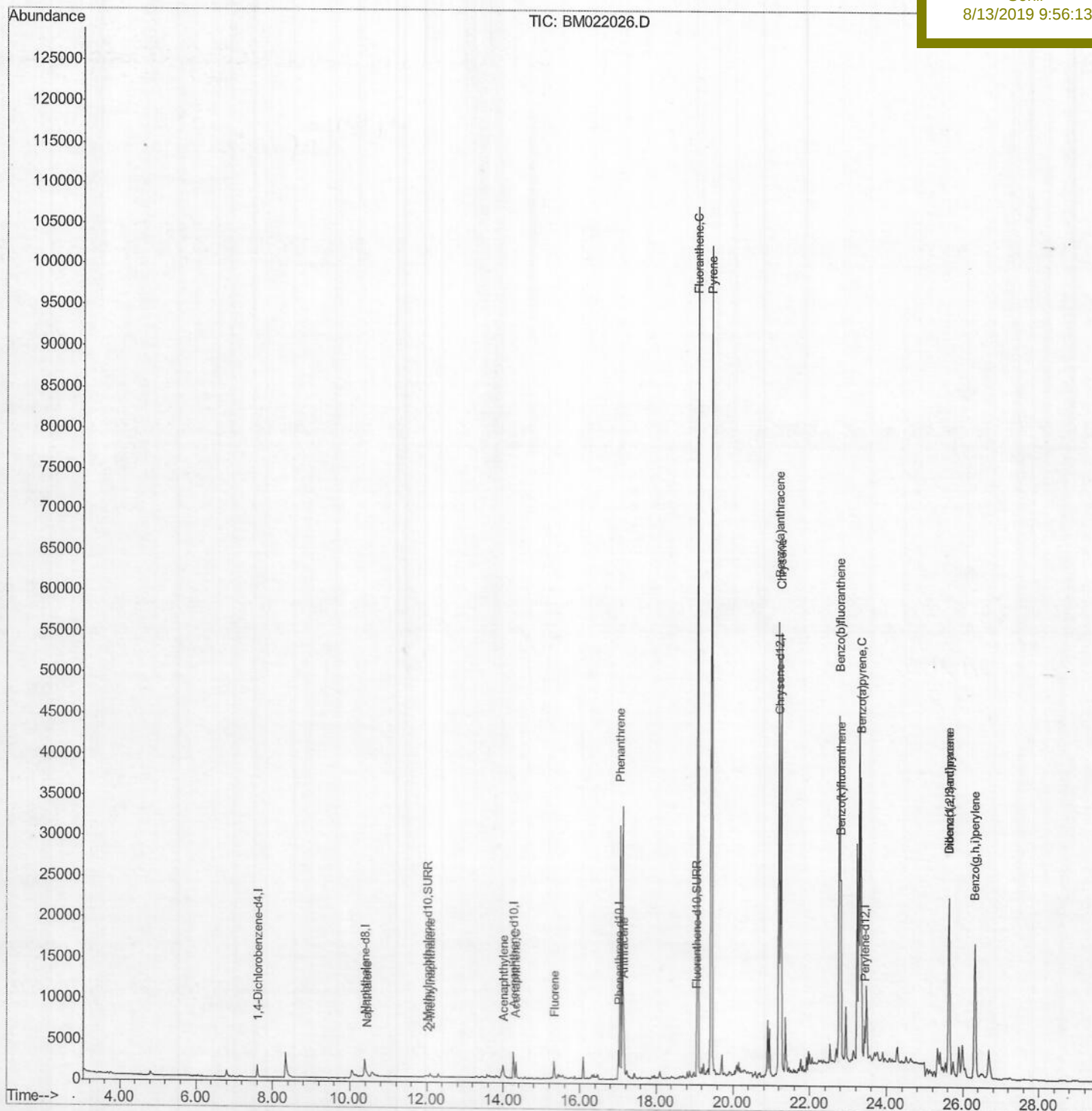
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\  
Data File : BM022026.D  
Acq On : 12 Aug 2019 11:37  
Operator : HP/JU  
Sample : K4028-10DL 5X  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 12 14:22:42 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 12 14:07:26 2019  
Response via : Initial Calibration

Instrument :  
BNA\_M  
Client Sampled :  
BENZ2DL

Manual Integrations  
APPROVED

Sohil  
8/13/2019 9:56:13 AM



Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022026.D

Acq On : 12 Aug 2019 11:37

Operator : HP/JU

Sample : K4028-10DL 5X

Misc :

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 18:55:28 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 : Tue Aug 13 18:40:42 2019

Response via : Initial Calibration

Instrument :

BNA\_M

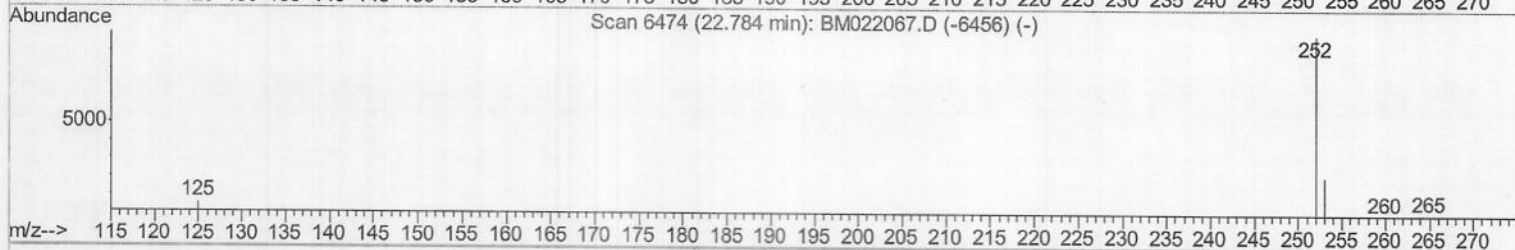
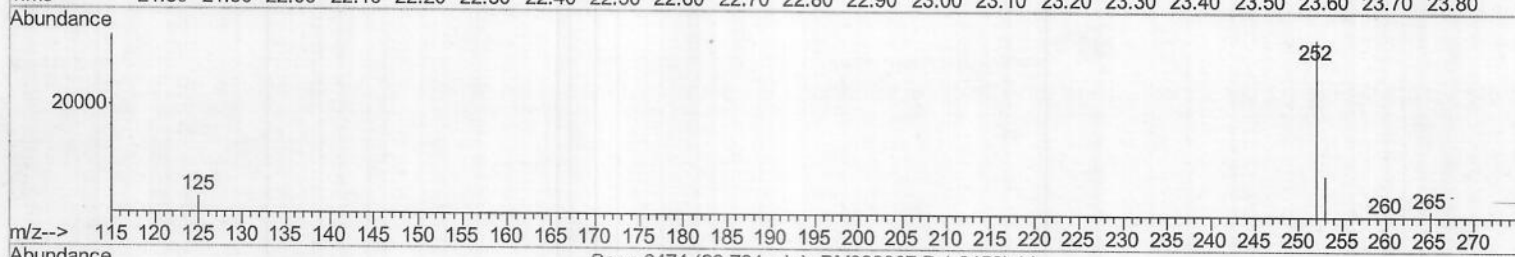
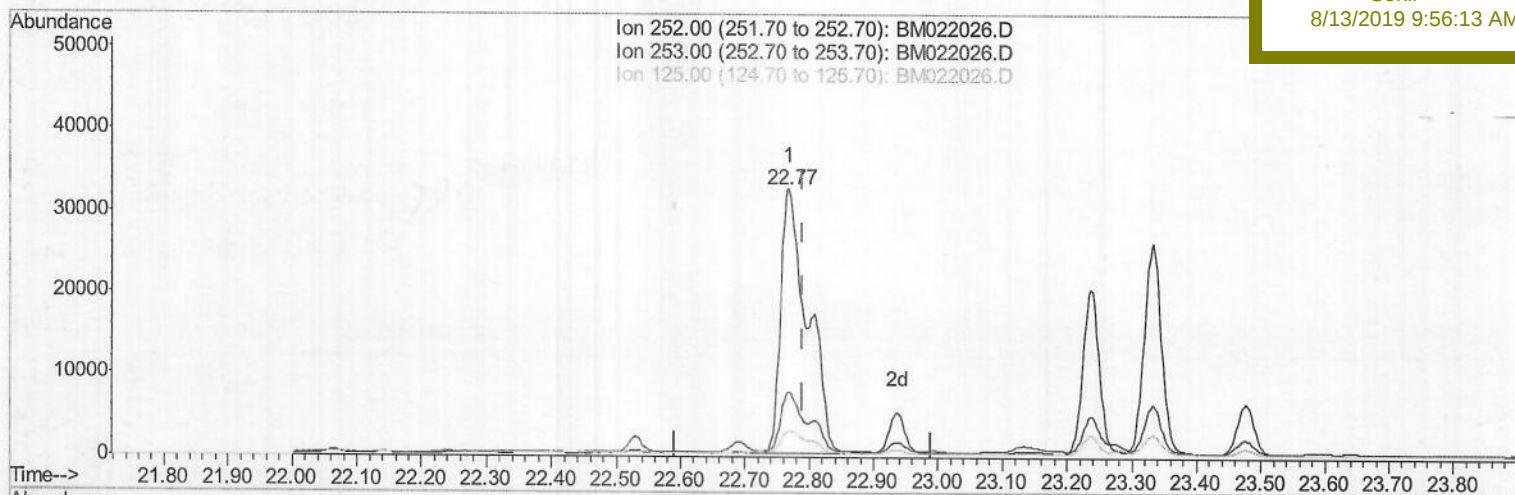
ClientSampleId :

BENZ2DL

Manual Integrations  
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Sohil

8/13/2019 9:56:13 AM



TIC: BM022026.D

(21) Benzo(b)fluoranthene

22.769min (-0.022) 5.24ng/ul

response 94935

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 23.83 |
| 125.00 | 15.50 | 9.39  |
| 0.00   | 0.00  | 0.00  |

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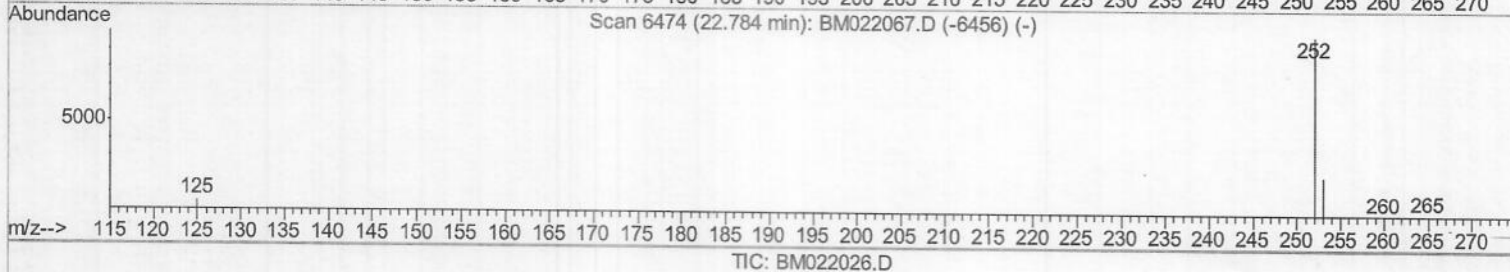
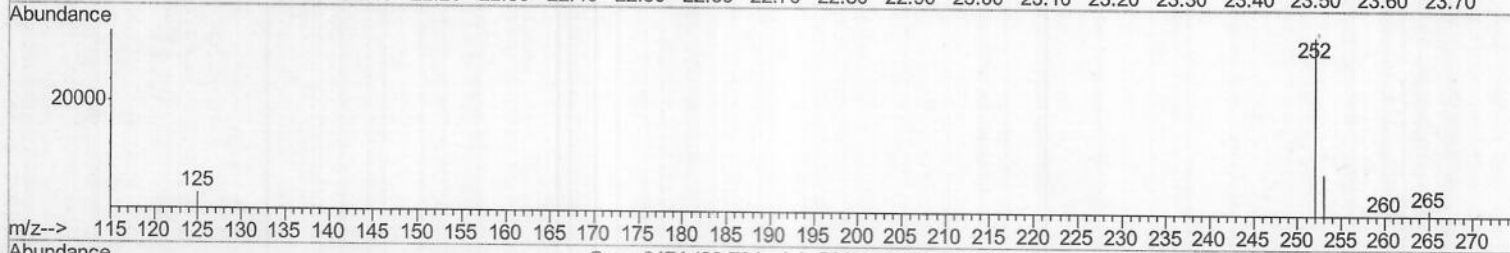
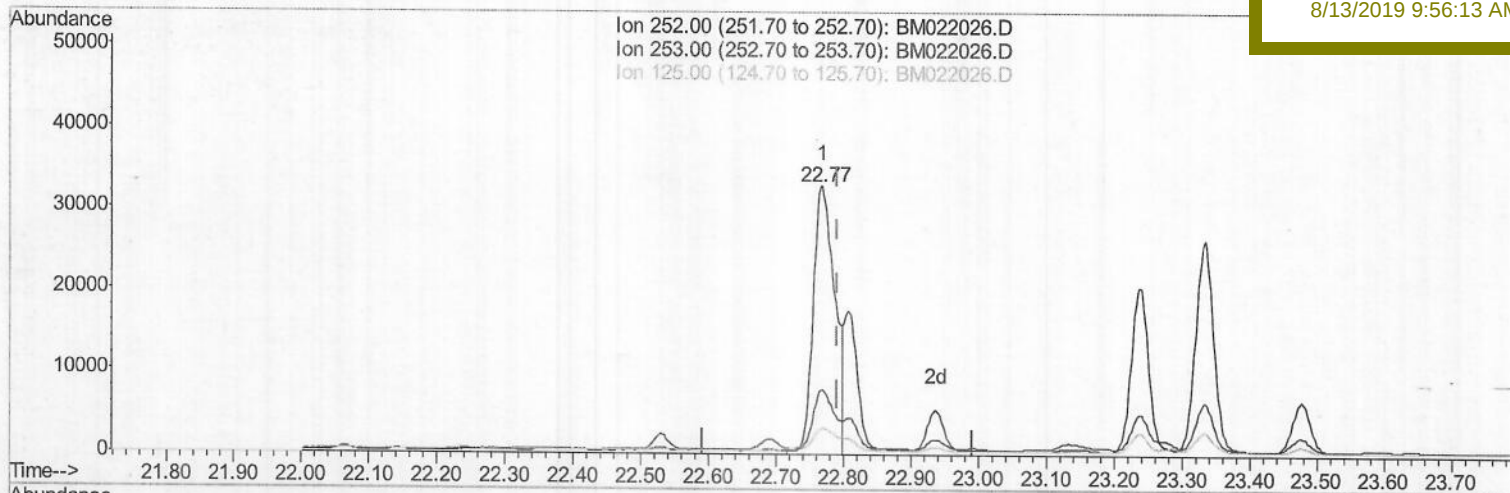
Response via : Initial Calibration

Instrument :

BNA\_M

ClientSampleId :

BENZ2DL

Manual Integrations  
APPROVEDSohil  
8/13/2019 9:56:13 AM

(21) Benzo(b)fluoranthene

22.769min (-0.022) 4.37ng/ul m) JU  
08/16/19

response 72713

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 23.83 |
| 125.00 | 15.50 | 9.39  |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

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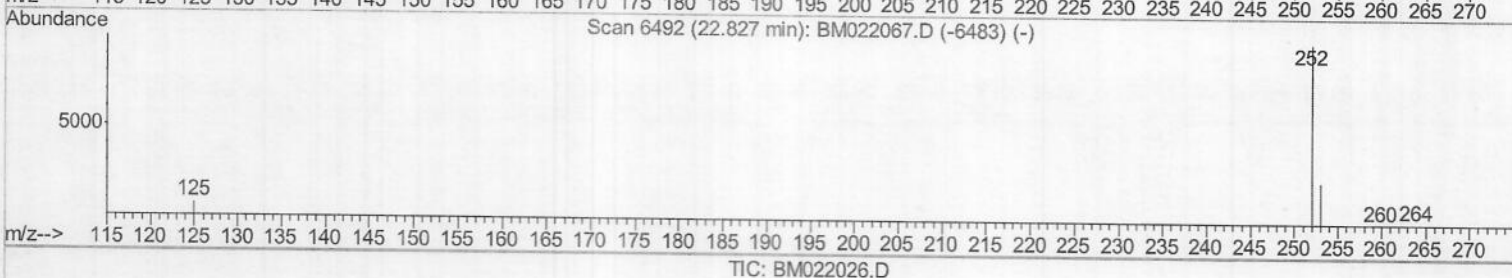
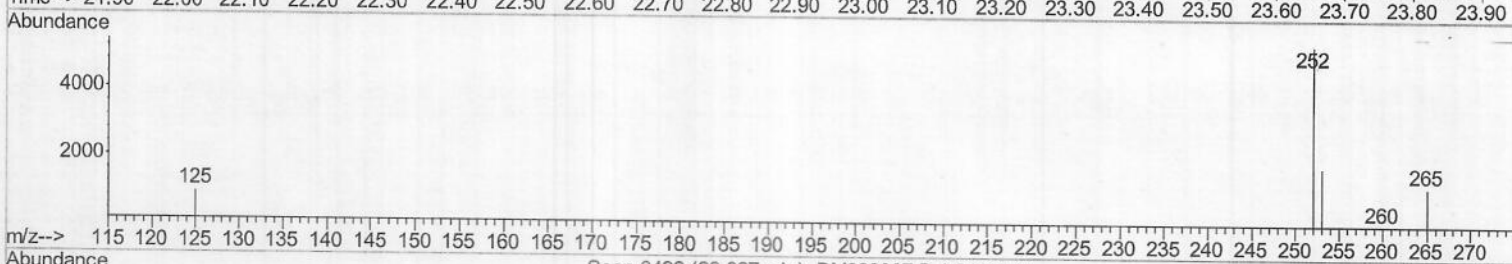
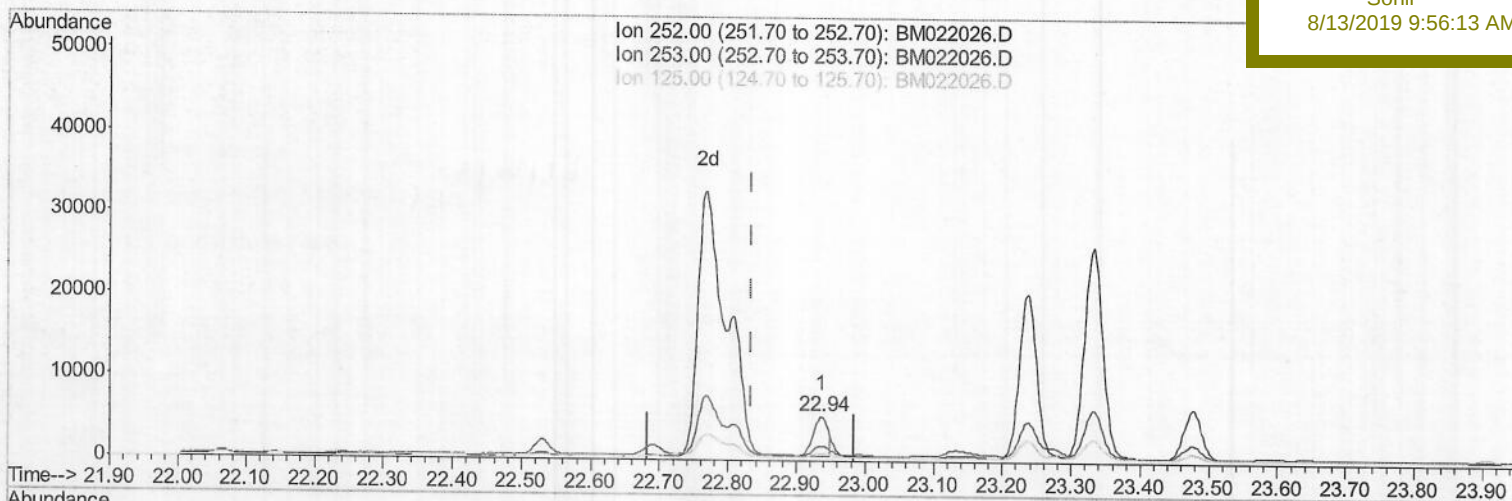
ClientSampleId :

BENZ2DL

Manual Integrations  
APPROVED

Sohil

8/13/2019 9:56:13 AM



(22) Benzo(k)fluoranthene

22.936min (+0.102) 0.34ng/ul

response 7006

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 33.70 | 34.04 |
| 125.00 | 15.20 | 17.37 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022026.D

Acq On : 12 Aug 2019 11:37

Operator : HP/JU

Sample : K4028-10DL 5X

Misc :

ALS Vial : 7 Sample Multiplier: 1

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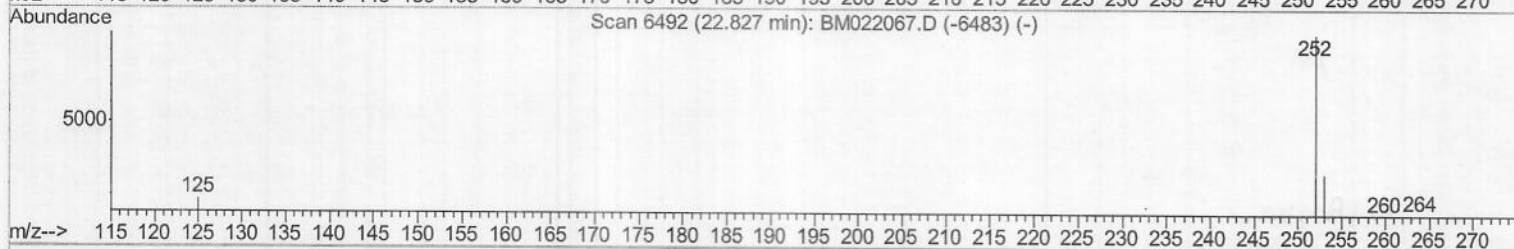
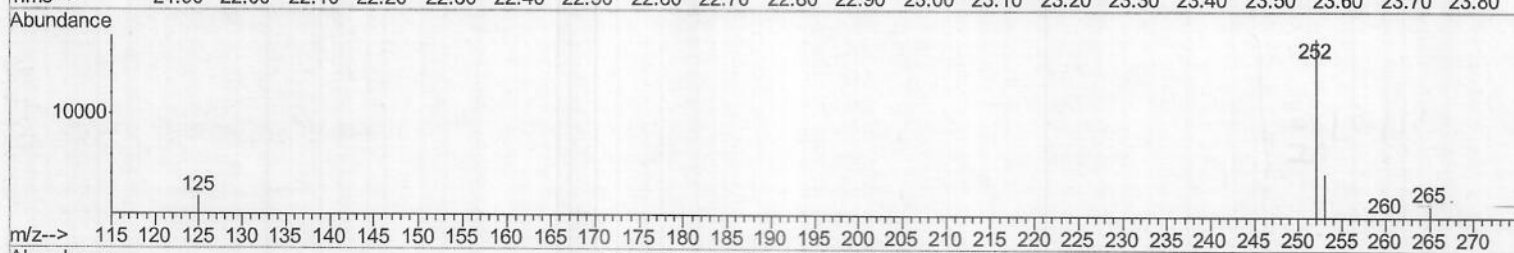
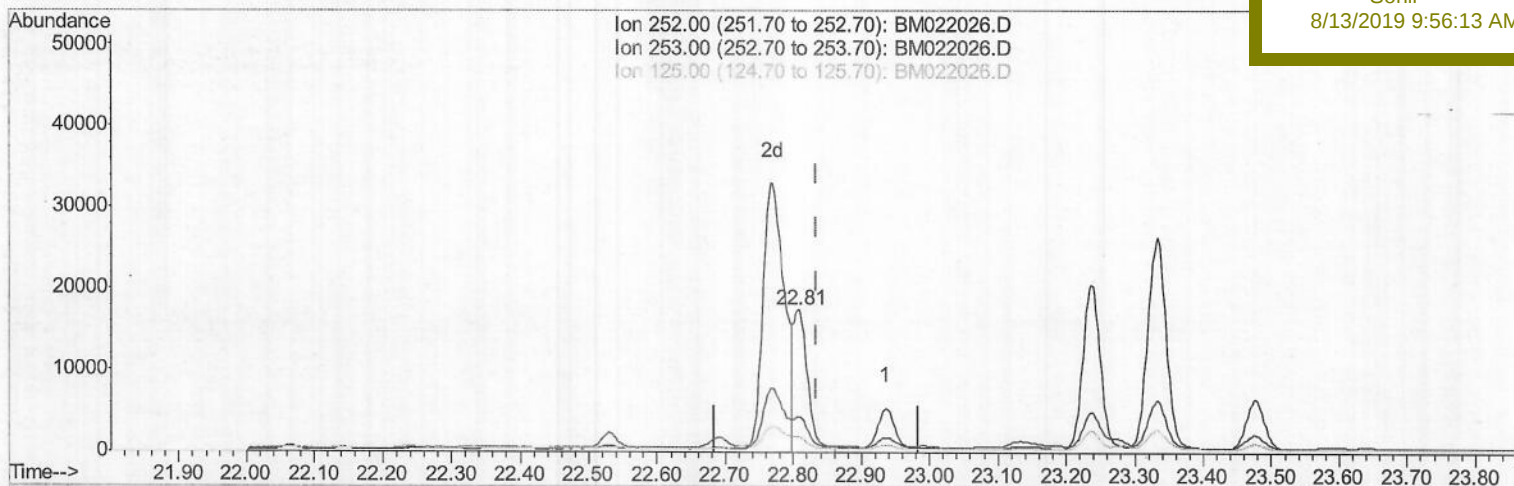
ClientSampleId :

BENZ2DL

Manual Integrations  
APPROVED

Sohil

8/13/2019 9:56:13 AM



TIC: BM022026.D

(22) Benzo(k)fluoranthene

22.808min (-0.027) 1.35ng/ul m JU  
08/16/19

response 25465

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 33.70 | 25.15# |
| 125.00 | 15.20 | 10.83# |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM081219\

Data File : BM022026.D

Acq On : 12 Aug 2019 11:37

Operator : HP/JU

Sample : K4028-10DL 5X

Misc :

ALS Vial : 7 Sample Multiplier: 1

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Instrument :

BNA\_M

Client Sample ID :

BENZ2DL

Manual Integrations

APPROVED

Sohil

8/13/2019 9:56:13 AM

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 813      | 0.40 | ng/ul | -0.02    |
| 2) Naphthalene-d8         | 10.39 | 136  | 3513     | 0.40 | ng/ul | -0.02    |
| 6) Acenaphthene-d10       | 14.26 | 164  | 1927     | 0.40 | ng/ul | -0.02    |
| 10) Phenanthrene-d10      | 17.02 | 188  | 4373     | 0.40 | ng/ul | -0.02    |
| 16) Chrysene-d12          | 21.22 | 240  | 4544     | 0.40 | ng/ul | -0.02    |
| 20) Perylene-d12          | 23.43 | 264  | 4929     | 0.40 | ng/ul | -0.03    |

## System Monitoring Compounds

|                            |       |     |     |      |       |       |
|----------------------------|-------|-----|-----|------|-------|-------|
| 4) 2-Methylnaphthalene-d10 | 12.01 | 152 | 232 | 0.04 | ng/ul | 0.00  |
| 14) Fluoranthene-d10       | 19.06 | 212 | 615 | 0.04 | ng/ul | -0.02 |

## Target Compounds

|                            | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|----------------------------|-------|------|----------|-------|--------|--------|
| 3) Naphthalene             | 10.44 | 128  | 789      | 0.080 | ng/ul# | 84     |
| 5) 2-Methylnaphthalene     | 12.09 | 142  | 392      | 0.059 | ng/ul  | 90     |
| 7) Acenaphthylene          | 13.99 | 152  | 2019     | 0.225 | ng/ul# | 82     |
| 8) Acenaphthene            | 14.33 | 153  | 1231     | 0.167 | ng/ul  | 96     |
| 9) Fluorene                | 15.33 | 166  | 1473     | 0.180 | ng/ul  | 99     |
| 12) Phenanthrene           | 17.06 | 178  | 33906    | 2.665 | ng/ul  | 97     |
| 13) Anthracene             | 17.16 | 178  | 6332     | 0.583 | ng/ul  | 98     |
| 15) Fluoranthene           | 19.09 | 202  | 93453    | 5.483 | ng/ul  | 95     |
| 17) Pyrene                 | 19.45 | 202  | 87543    | 4.688 | ng/ul  | 99     |
| 18) Benzo(a)anthracene     | 21.20 | 228  | 45541    | 2.802 | ng/ul  | 99     |
| 19) Chrysene               | 21.26 | 228  | 52380    | 2.506 | ng/ul  | 99     |
| 21) Benzo(b)fluoranthene   | 22.77 | 252  | 72713m)  | 4.375 | ng/ul  |        |
| 22) Benzo(k)fluoranthene   | 22.81 | 252  | 25465m)  | 1.354 | ng/ul  |        |
| 23) Benzo(a)pyrene         | 23.33 | 252  | 48246    | 2.854 | ng/ul# | 78     |
| 24) Indeno(1,2,3-cd)pyrene | 25.64 | 276  | 35005    | 1.734 | ng/ul# | 93     |
| 25) Dibenzo(a,h)anthracene | 25.64 | 278  | 8560     | 0.525 | ng/ul  | 98     |
| 26) Benzo(g,h,i)perylene   | 26.31 | 276  | 34946    | 1.923 | ng/ul  | 96     |

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

JU  
08/13/19