

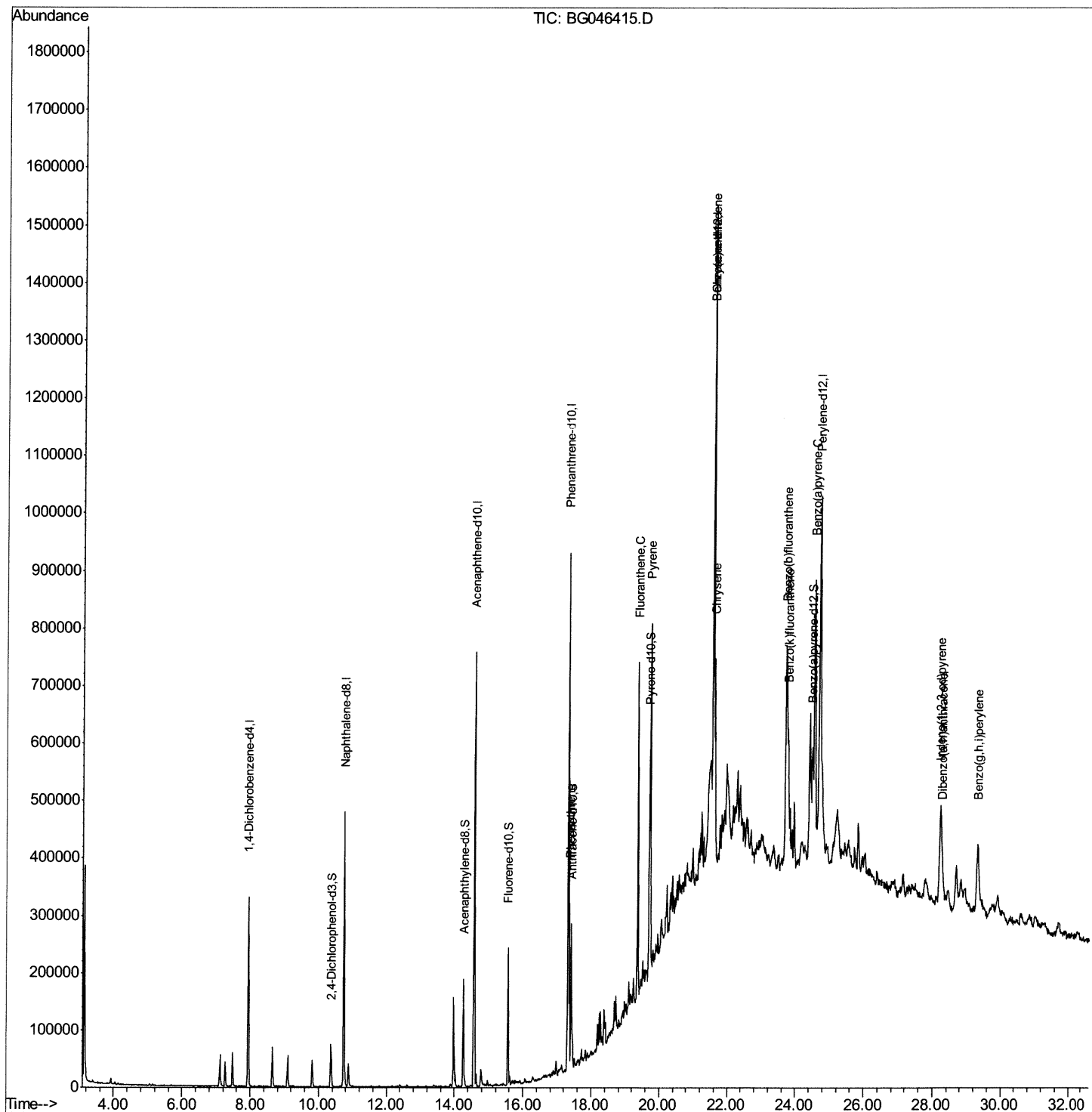
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\  
Data File : BG046415.D  
Acq On : 21 Aug 2020 16:00  
Operator : CG/JU  
Sample : L3635-19DL 5X  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_G  
Client Sampled :  
BFMJ5DL

Manual Integrations  
APPROVED

Sohil  
8/24/2020 1:46:57 PM

Quant Time: Aug 21 16:36:33 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 20 11:14:19 2020  
Response via : Initial Calibration



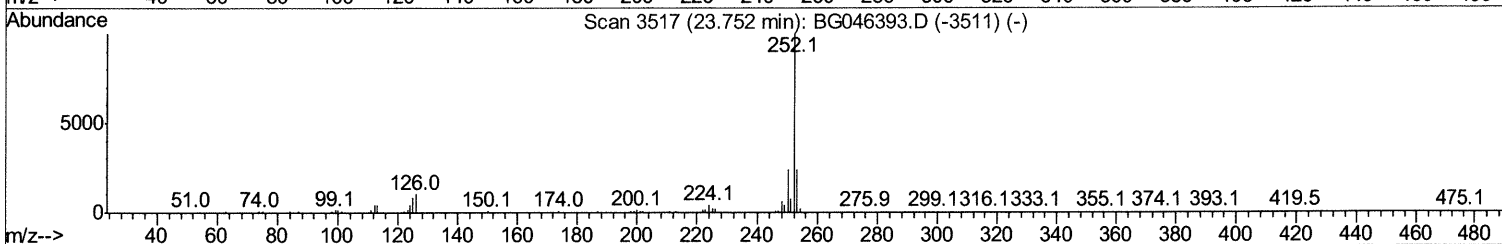
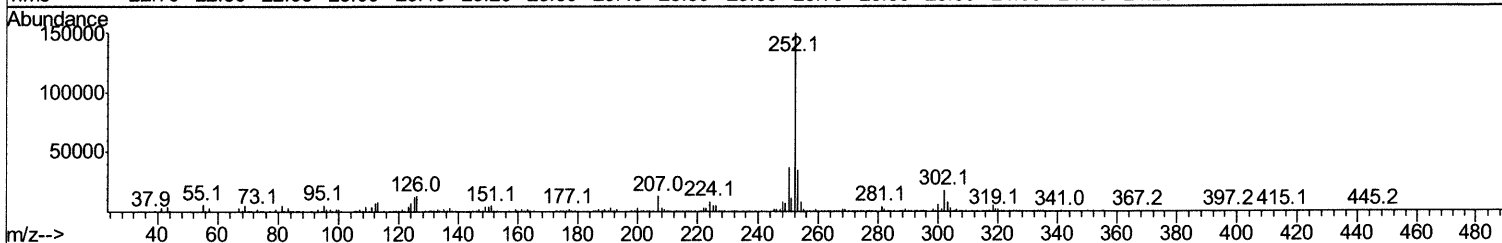
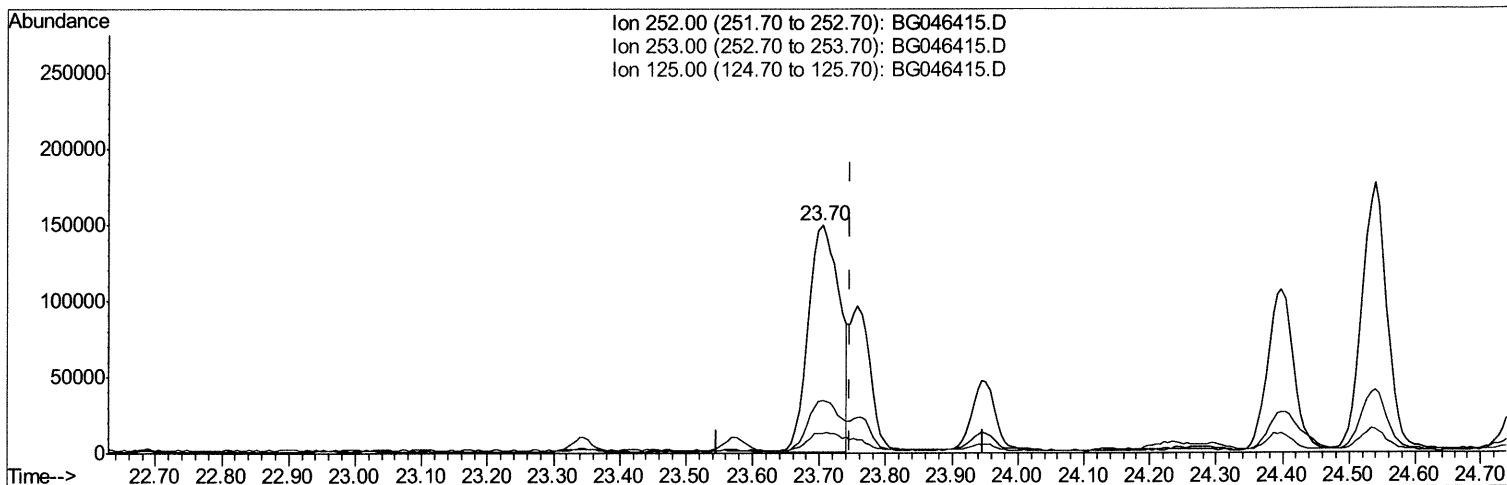
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Manual Integrations  
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Quant Time: Aug 21 16:35:26 2020  
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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 20 11:14:19 2020  
Response via : Initial Calibration



TIC: BG046415.D

(25) Benzo(k)fluoranthene

23.704min (-0.043) 11.66ng/ul

response 488340

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 23.19 |
| 125.00 | 7.70  | 8.44  |
| 0.00   | 0.00  | 0.00  |

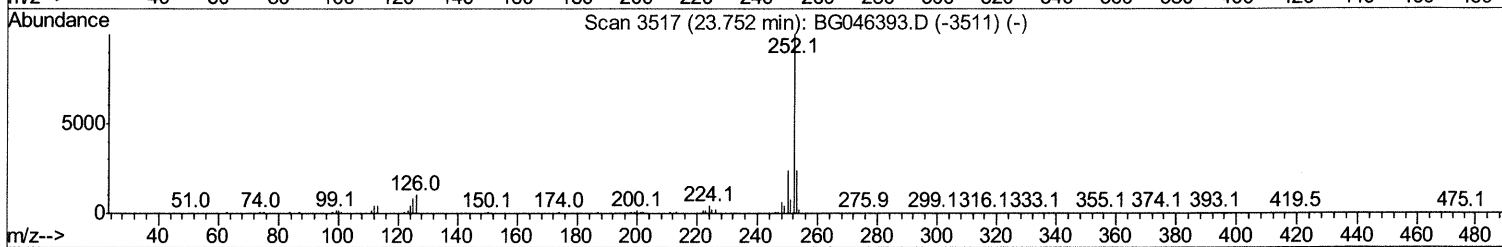
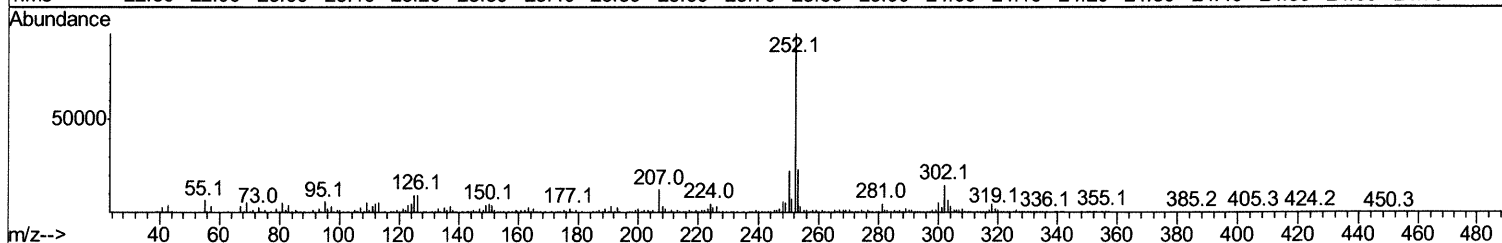
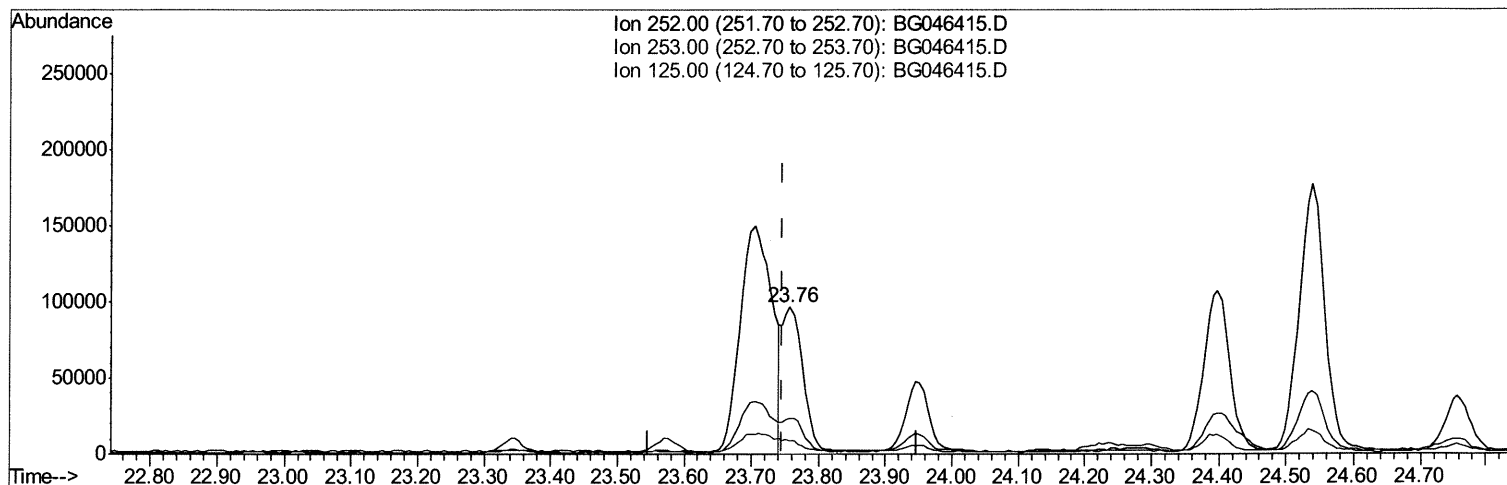
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Instrument :  
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ClientSampleId :  
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Manual Integrations  
APPROVED

Sohil  
8/24/2020 1:46:57 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
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QLast Update : Thu Aug 20 11:14:19 2020  
Response via : Initial Calibration



TIC: BG046415.D

(25) Benzo(k)fluoranthene

23.757min (+0.010) 5.07ng/ul m

response 212357

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 23.10 | 24.37 |
| 125.00 | 7.70  | 9.46# |
| 0.00   | 0.00  | 0.00  |

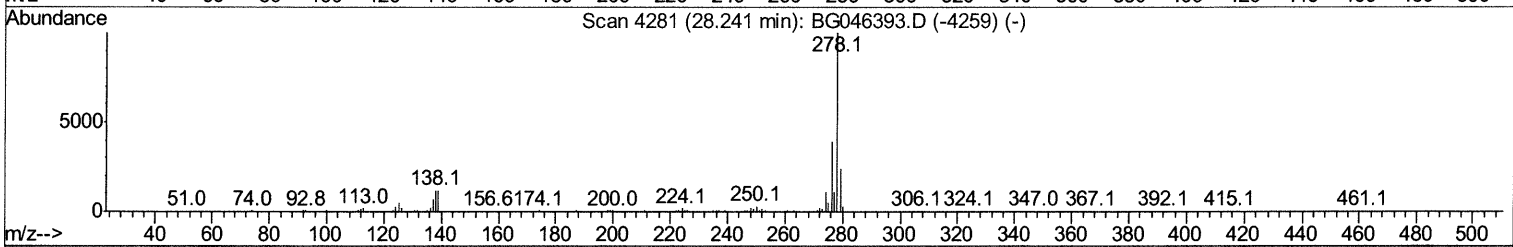
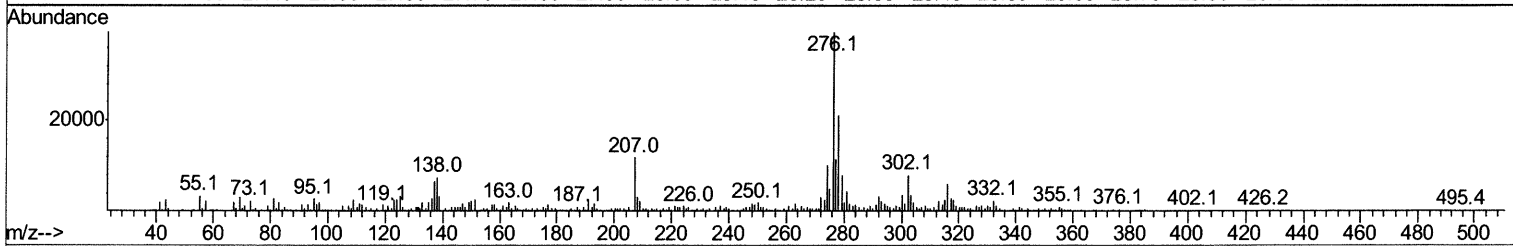
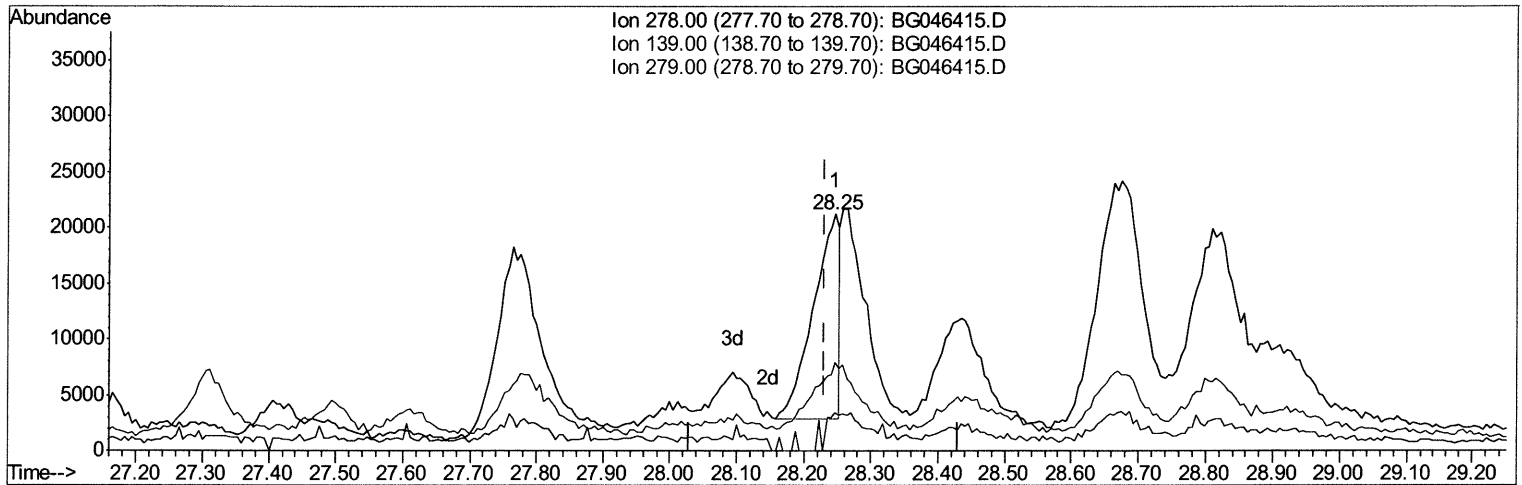
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\  
Data File : BG046415.D  
Acq On : 21 Aug 2020 16:00  
Operator : CG/JU  
Sample : L3635-19DL 5X  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
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Manual Integrations  
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8/24/2020 1:46:57 PM

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TIC: BG046415.D

(29) Dibenzo(a,h)anthracene

28.246min (+0.016) 1.27ng/ul

response 49961

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 12.30 | 16.24# |
| 279.00 | 24.60 | 37.58# |
| 0.00   | 0.00  | 0.00   |

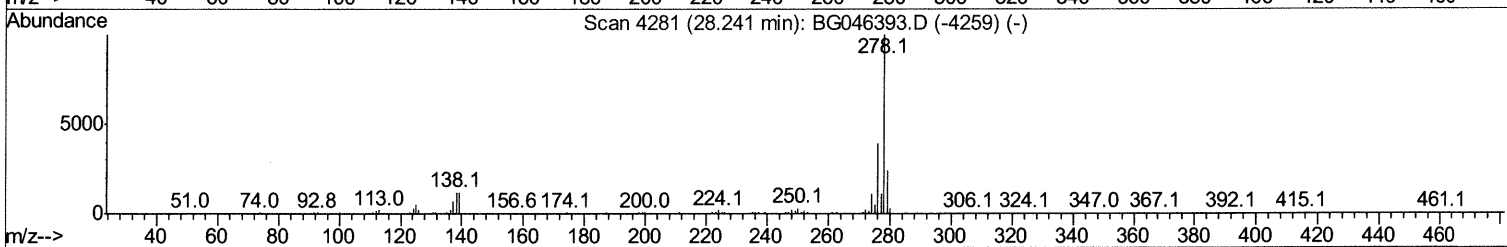
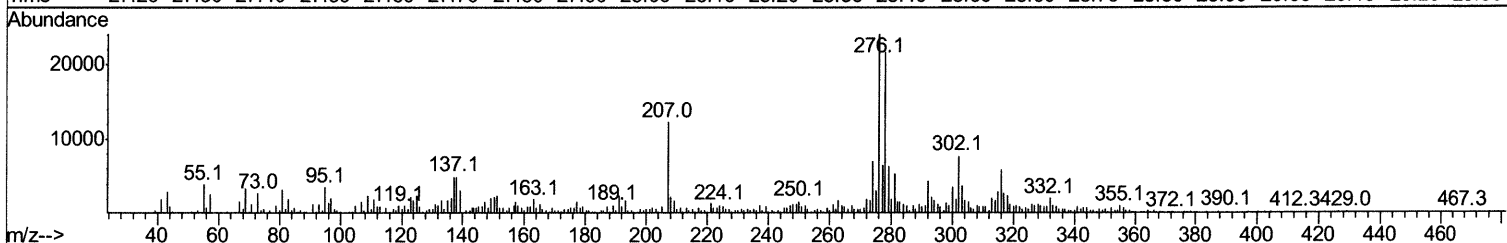
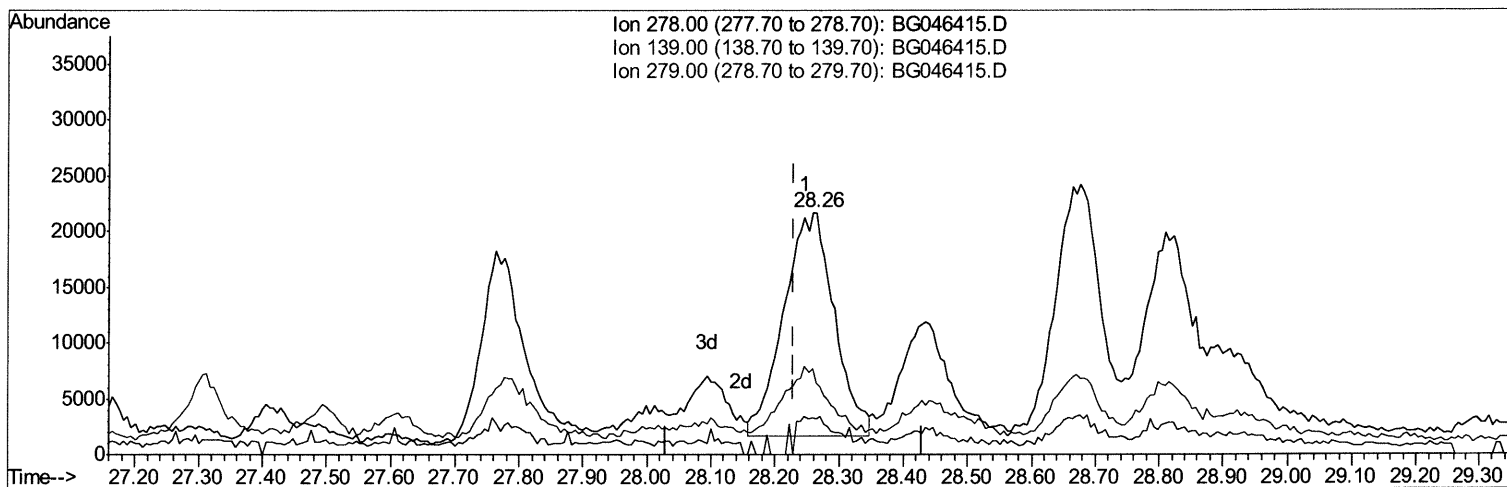
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\  
Data File : BG046415.D  
Acq On : 21 Aug 2020 16:00  
Operator : CG/JU  
Sample : L3635-19DL 5X  
Misc :  
ALS Vial : 79 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BFMJ5DL

Manual Integrations  
APPROVED

Sohil  
8/24/2020 1:46:57 PM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG081320PAH.M  
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Response via : Initial Calibration



TIC: BG046415.D

(29) Dibenzo(a,h)anthracene

28.264min (+0.034) 2.78ng/ul m

response 109323

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 12.30 | 14.72 |
| 279.00 | 24.60 | 29.32 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081920\  
 Data File : BG046415.D  
 Acq On : 21 Aug 2020 16:00  
 Operator : CG/JU  
 Sample : L3635-19DL 5X  
 Misc :  
 ALS Vial : 79 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BFMJ5DL

Manual Integrations  
 APPROVED

Sohil  
 8/24/2020 1:46:57 PM

Quant Time: Aug 21 16:36:33 2020  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 20 11:14:19 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.94  | 152  | 104681   | 20.00 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.74 | 136  | 431025   | 20.00 | ng/ul | 0.01     |
| 6) Acenaphthene-d10       | 14.57 | 164  | 283510   | 20.00 | ng/ul | 0.00     |
| 12) Phenanthrene-d10      | 17.32 | 188  | 602446   | 20.00 | ng/ul | 0.01     |
| 18) Chrysene-d12          | 21.57 | 240  | 577558   | 20.00 | ng/ul | 0.01     |
| 23) Perylene-d12          | 24.69 | 264  | 638551   | 20.00 | ng/ul | 0.02     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 3) 2,4-Dichlorophenol-d3    | 10.37 | 165  | 34844    | 4.69 | ng/ul | 0.01     |
| 7) Acenaphthylene-d8        | 14.26 | 160  | 137988   | 5.29 | ng/ul | 0.00     |
| 10) Fluorene-d10            | 15.56 | 176  | 103009   | 5.15 | ng/ul | 0.00     |
| 15) Anthracene-d10          | 17.41 | 188  | 154086   | 5.52 | ng/ul | 0.00     |
| 19) Pvrene-d10              | 19.70 | 212  | 168862   | 5.68 | ng/ul | 0.00     |
| 26) Benzo(a)pyrene-d12      | 24.47 | 264  | 179885   | 5.16 | ng/ul | 0.02     |

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 14) Phenanthrene           | 17.36 | 178  | 185398   | 5.594  | ng/ul | 99     |
| 17) Fluoranthene           | 19.37 | 202  | 365483   | 9.890  | ng/ul | 98     |
| 20) Pyrene                 | 19.73 | 202  | 397553   | 10.486 | ng/ul | 98     |
| 21) Benzo(a)anthracene     | 21.55 | 228  | 242665   | 6.458  | ng/ul | 96     |
| 22) Chrysene               | 21.61 | 228  | 242725   | 6.682  | ng/ul | 98     |
| 24) Benzo(b)fluoranthene   | 23.70 | 252  | 488340   | 11.565 | ng/ul | 98     |
| 25) Benzo(k)fluoranthene   | 23.76 | 252  | 212357m  | 5.070  | ng/ul | 98     |
| 27) Benzo(a)pyrene         | 24.54 | 252  | 454259   | 11.718 | ng/ul | 98     |
| 28) Indeno(1,2,3-cd)pyrene | 28.21 | 276  | 309184   | 6.370  | ng/ul | 97     |
| 29) Dibenzo(a,h)anthracene | 28.26 | 278  | 109323m  | 2.778  | ng/ul | 97     |
| 30) Benzo(a,h,i)perylene   | 29.32 | 276  | 260044   | 6.401  | ng/ul | 97     |

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