

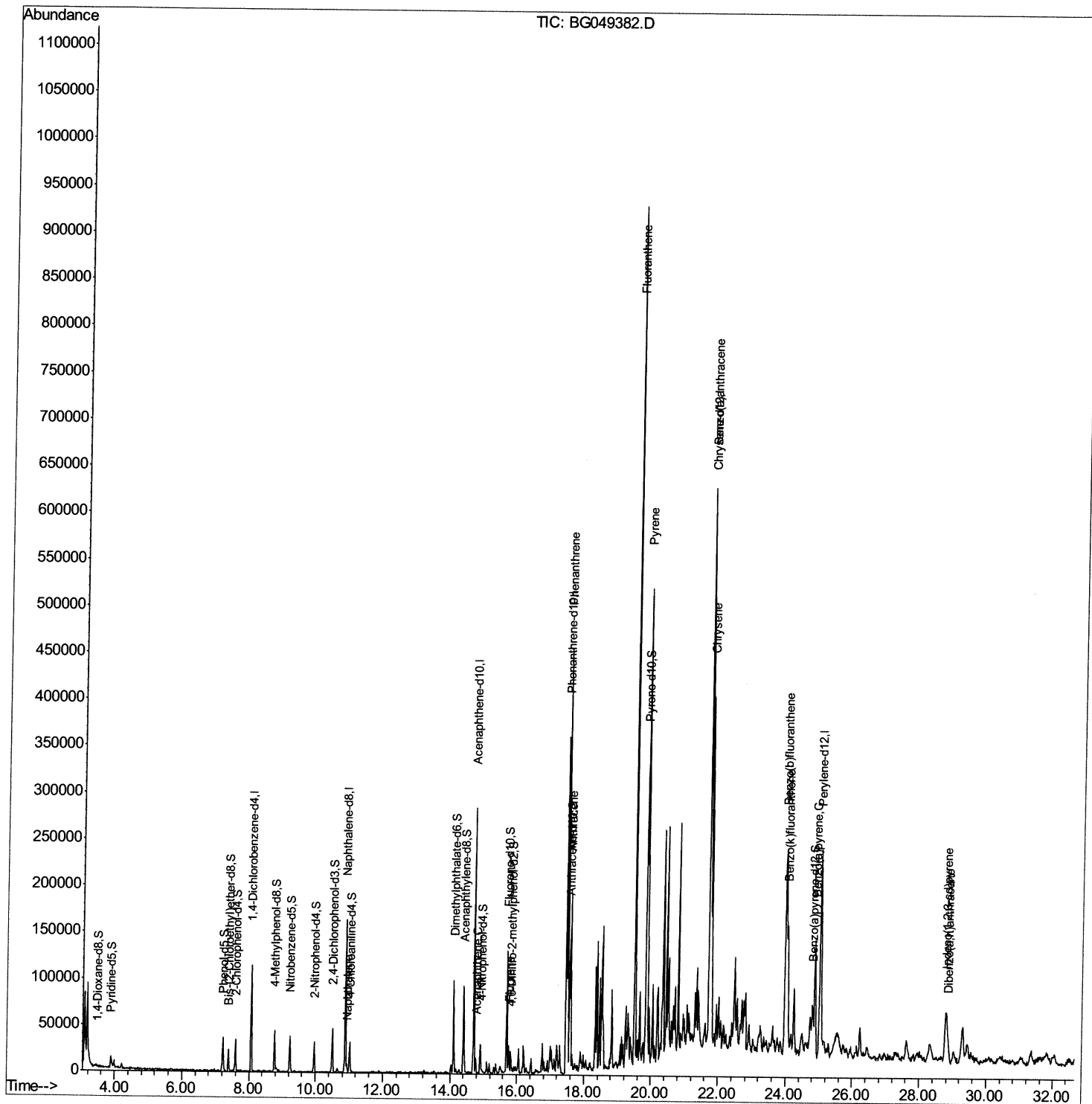
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
Data File : BG049382.D  
Acq On : 16 Jul 2021 17:28  
Operator : CG/JU  
Sample : M2970-16DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGE17DL

Manual Integrations  
APPROVED

mohammad  
7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:13:58 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 16 15:19:54 2021  
Response via : Initial Calibration



## Quantitation Report (Qedit)

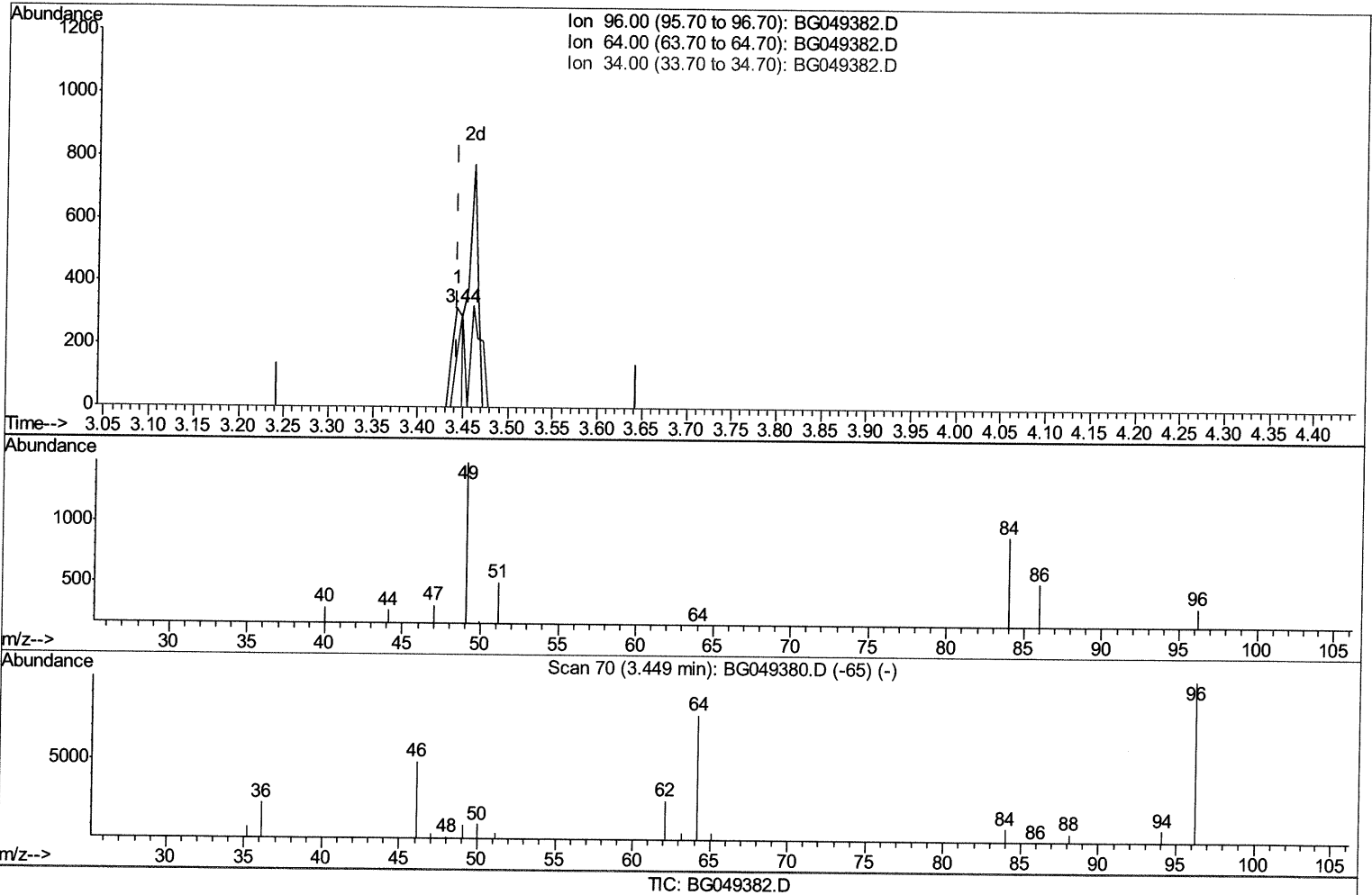
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
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Instrument :  
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BGE17DL

Manual Integrations  
APPROVED

mohammad  
7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:10:00 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 16 15:19:54 2021  
Response via : Initial Calibration



(3) 1,4-Dioxane-d8 (S)

3.443min (-0.001) 0.40ng/uL

response 269

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 80.10 | 50.16# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

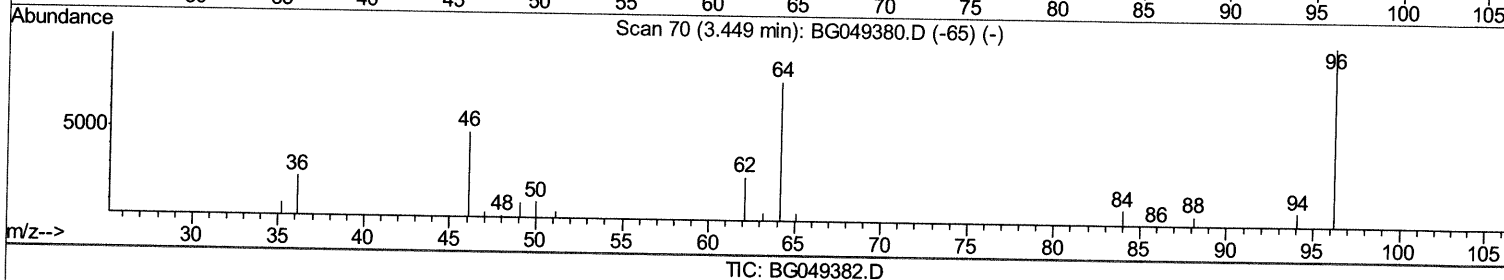
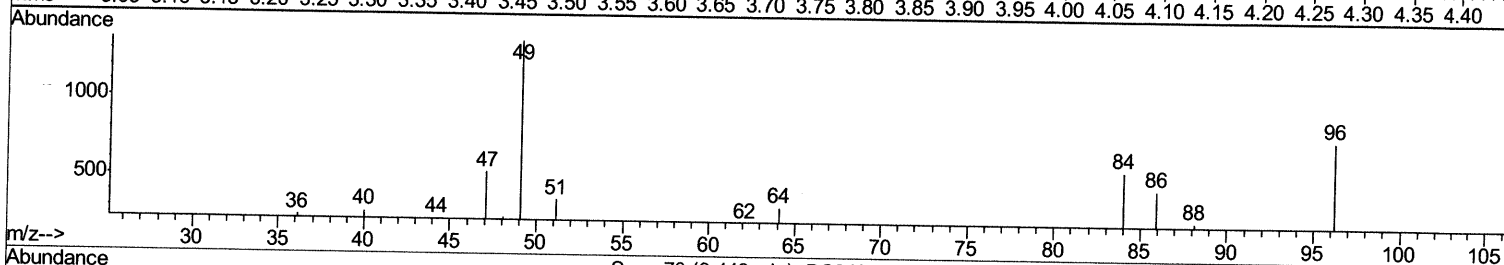
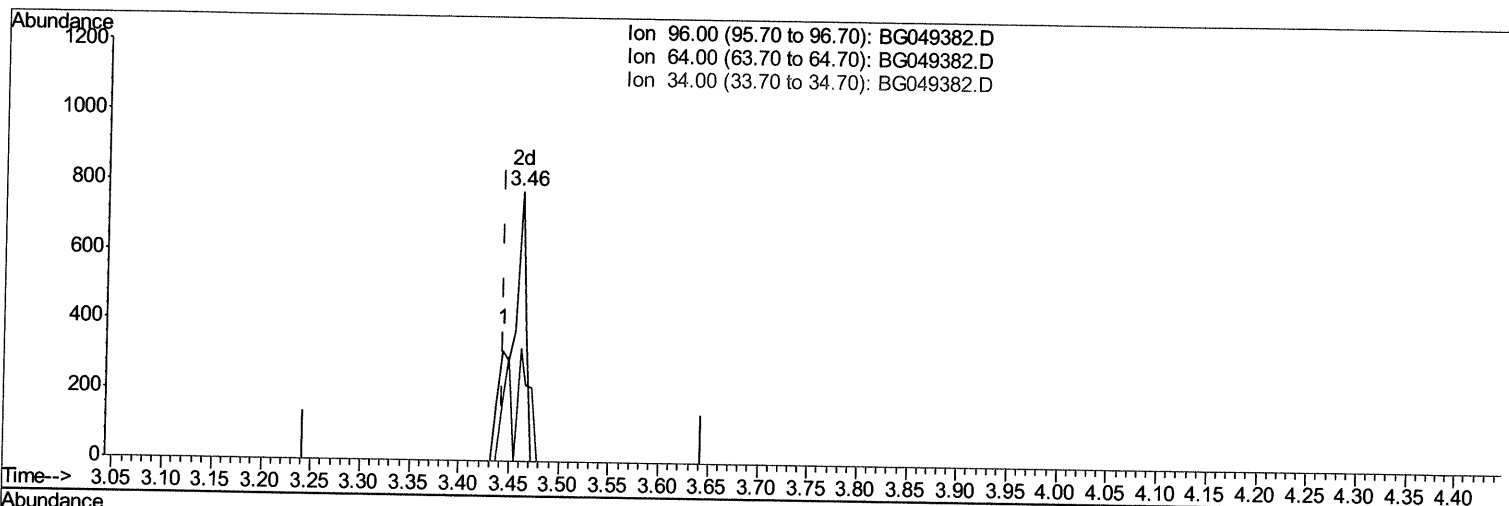
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
 Data File : BG049382.D  
 Acq On : 16 Jul 2021 17:28  
 Operator : CG/JU  
 Sample : M2970-16DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGE17DL

Manual Integrations  
 APPROVED

mohammad  
 7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:10:00 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 16 15:19:54 2021  
 Response via : Initial Calibration



(3) 1,4-Dioxane-d8 (S)

3.460min (+0.017) 1.20ng/uL m 07/22/21 JU

response 802

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 80.10 | 41.68# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

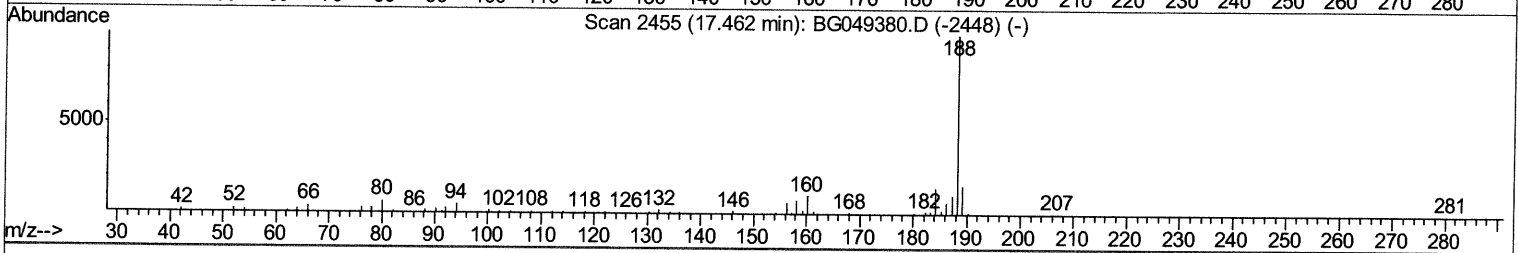
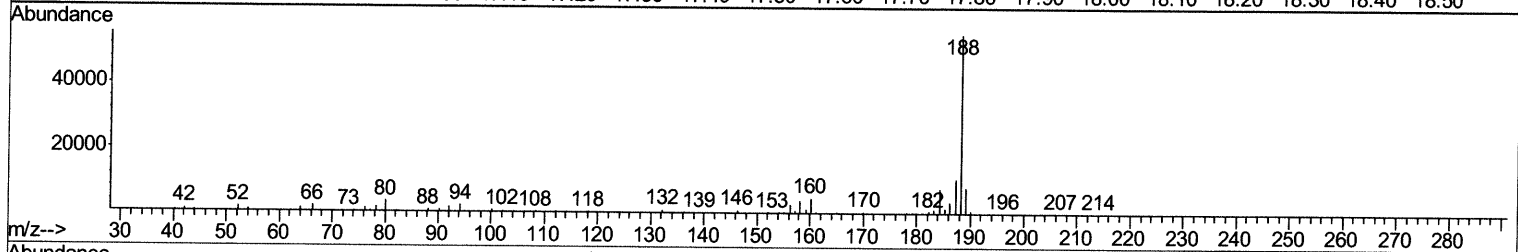
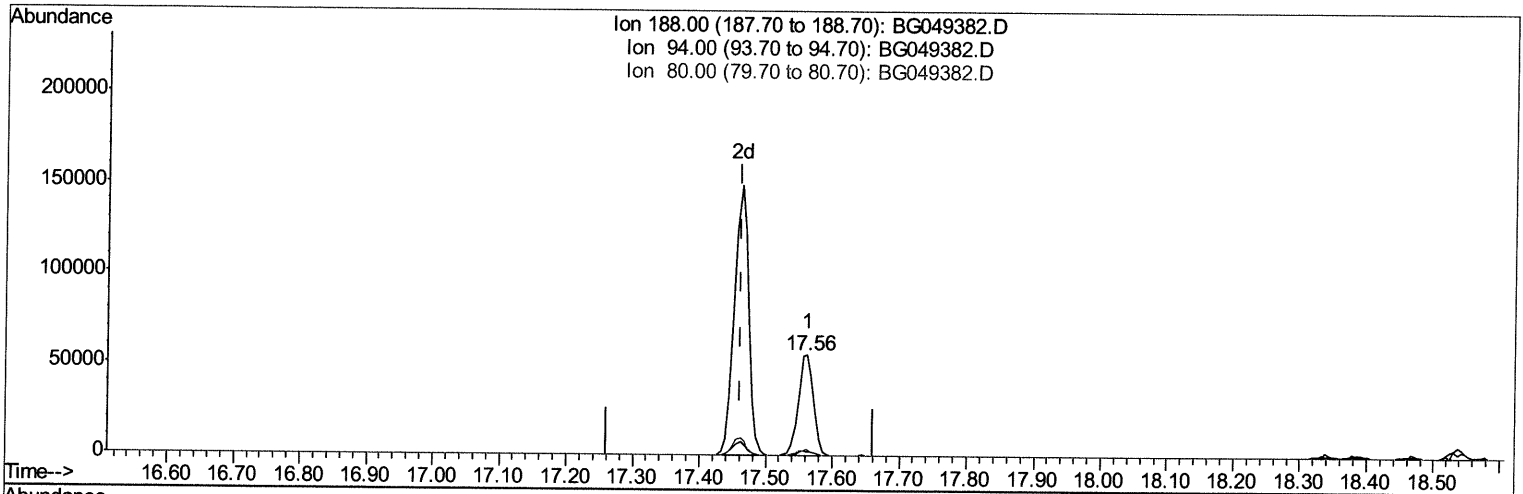
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
 Data File : BG049382.D  
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 Operator : CG/JU  
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 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BGE17DL

Manual Integrations  
 APPROVED

mohammad  
 7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:10:00 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 16 15:19:54 2021  
 Response via : Initial Calibration



TIC: BG049382.D

(64) Phenanthrene-d10 (I)

17.562min (+0.099) 20.00ng/ul

response 87272

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 3.90 | 4.07 |
| 80.00  | 6.30 | 6.41 |
| 0.00   | 0.00 | 0.00 |

## Quantitation Report (Qedit)

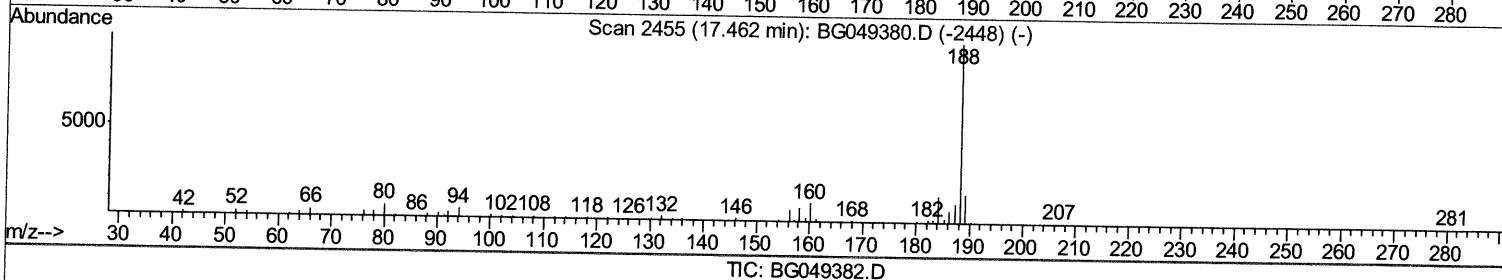
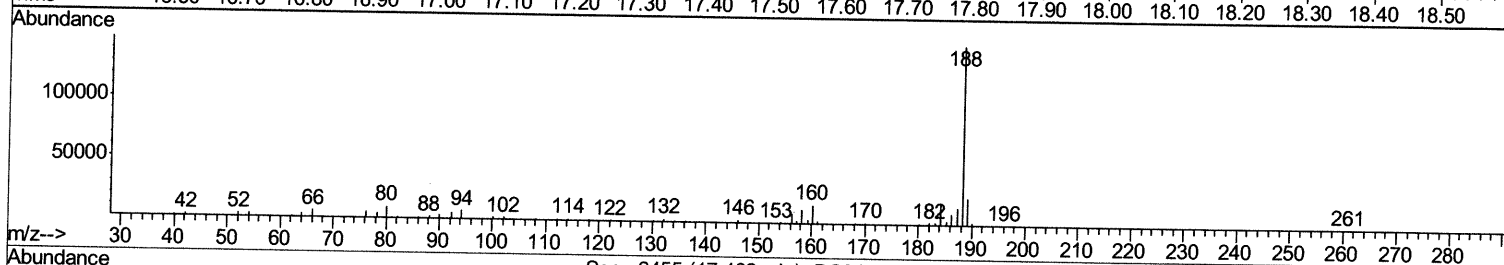
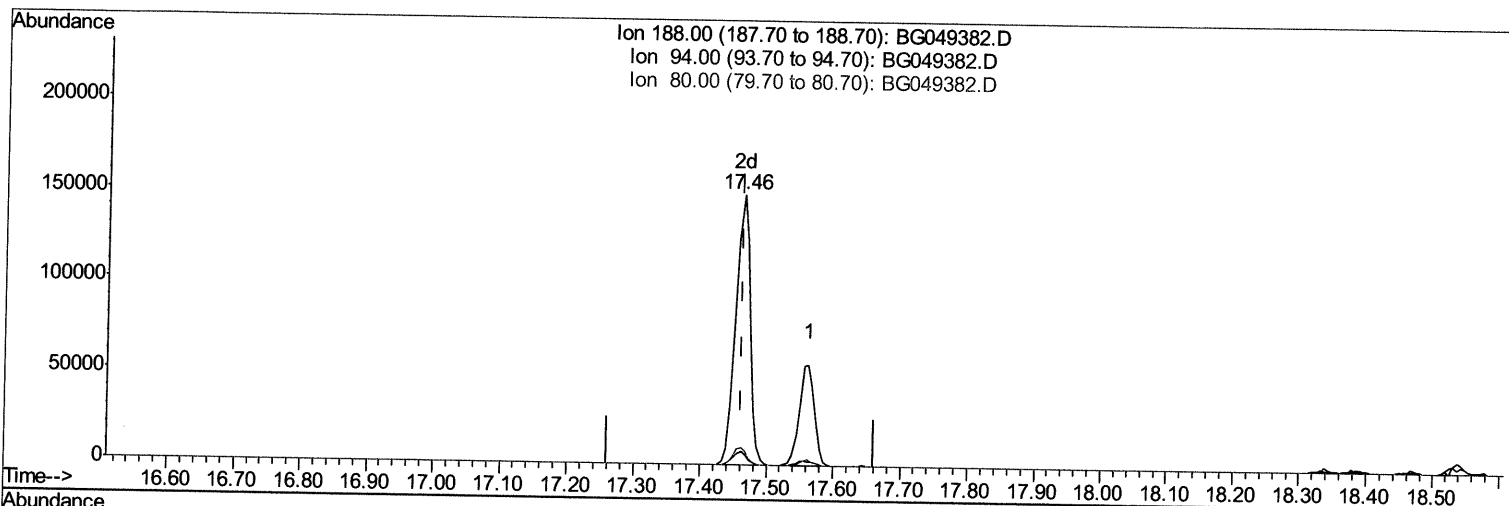
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
Data File : BG049382.D  
Acq On : 16 Jul 2021 17:28  
Operator : CG/JU  
Sample : M2970-16DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGE17DL

Manual Integrations  
APPROVED

mohammad  
7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:10:00 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 16 15:19:54 2021  
Response via : Initial Calibration



(64) Phenanthrene-d10 (I)

17.462min (-0.000) 20.00ng/ul m 07/22/21 JU

response 222210

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 3.90 | 4.89# |
| 80.00  | 6.30 | 6.30  |
| 0.00   | 0.00 | 0.00  |

## Quantitation Report (Qedit)

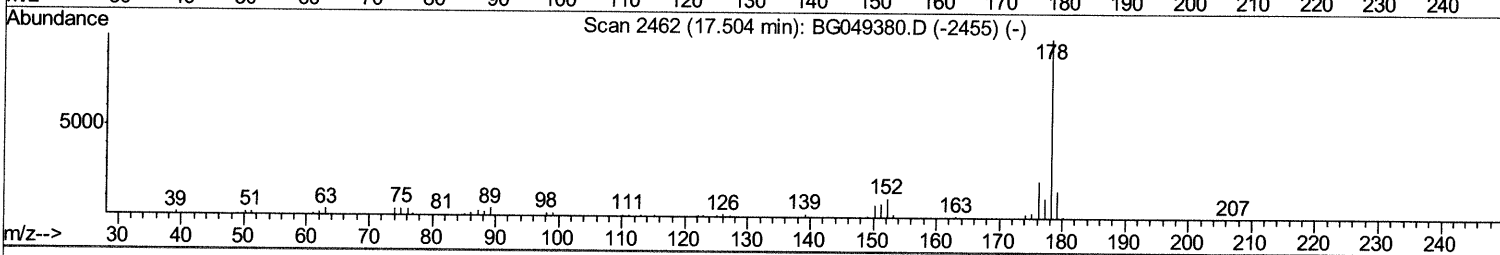
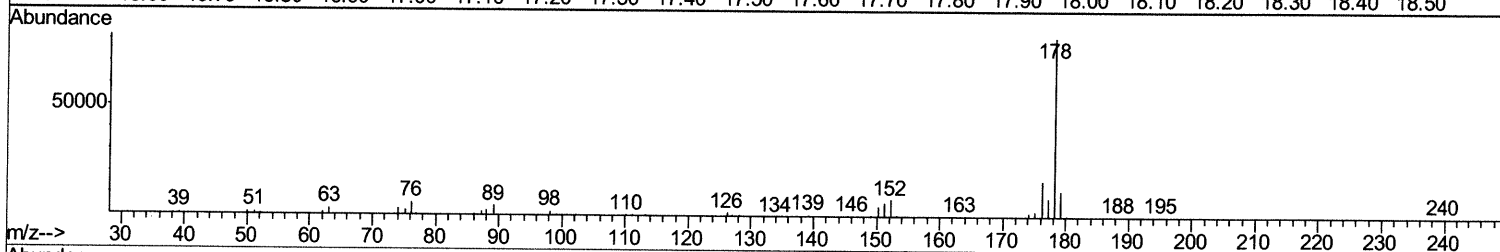
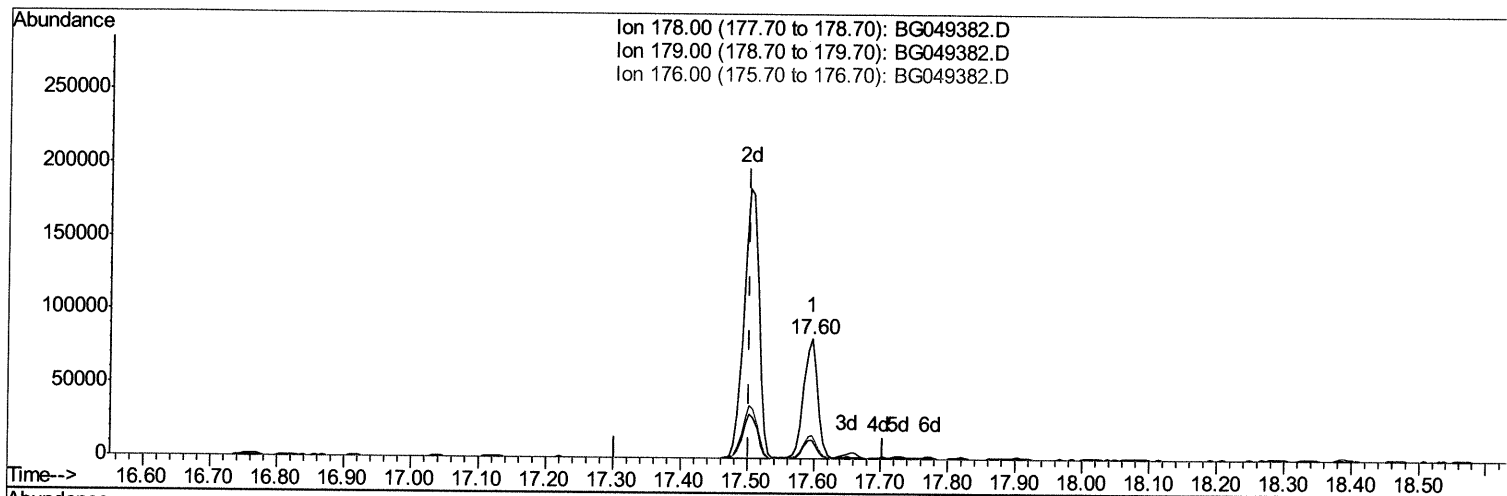
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
Data File : BG049382.D  
Acq On : 16 Jul 2021 17:28  
Operator : CG/JU  
Sample : M2970-16DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
BGE17DL

Manual Integrations  
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mohammad  
7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:12:12 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Jul 16 15:19:54 2021  
Response via : Initial Calibration



TIC: BG049382.D

(72) Phenanthrene

17.597min (+0.094) 10.93ng/ul

response 118450

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 14.92 |
| 176.00 | 19.80 | 19.96 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

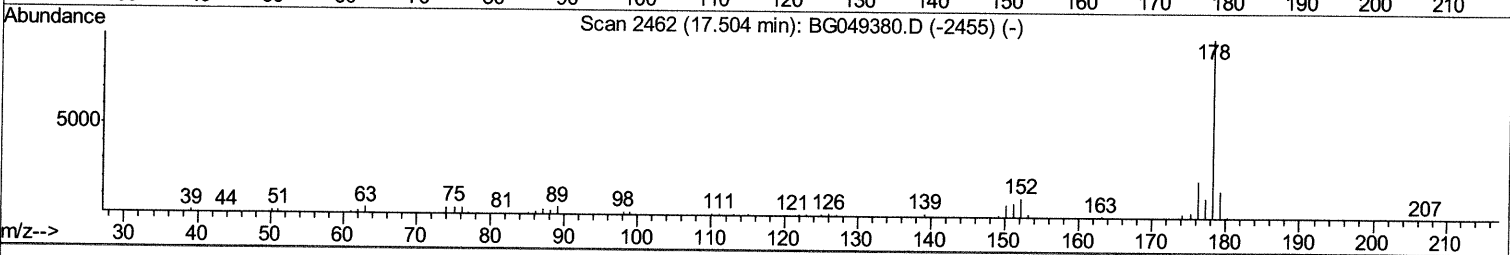
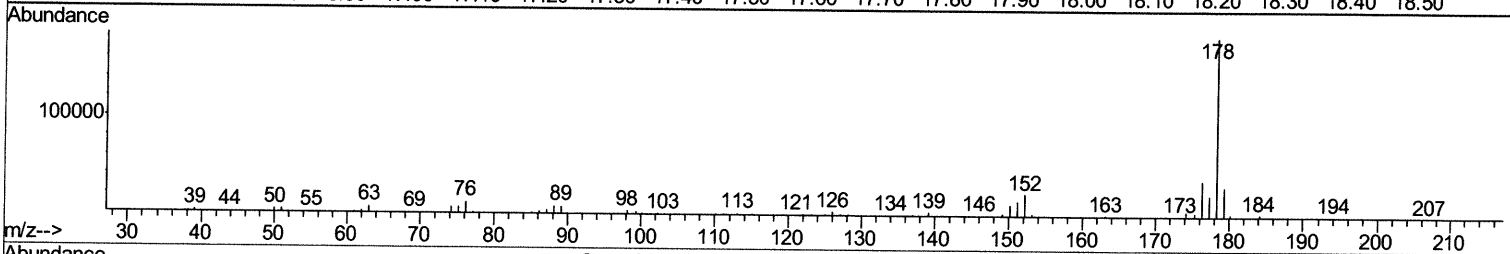
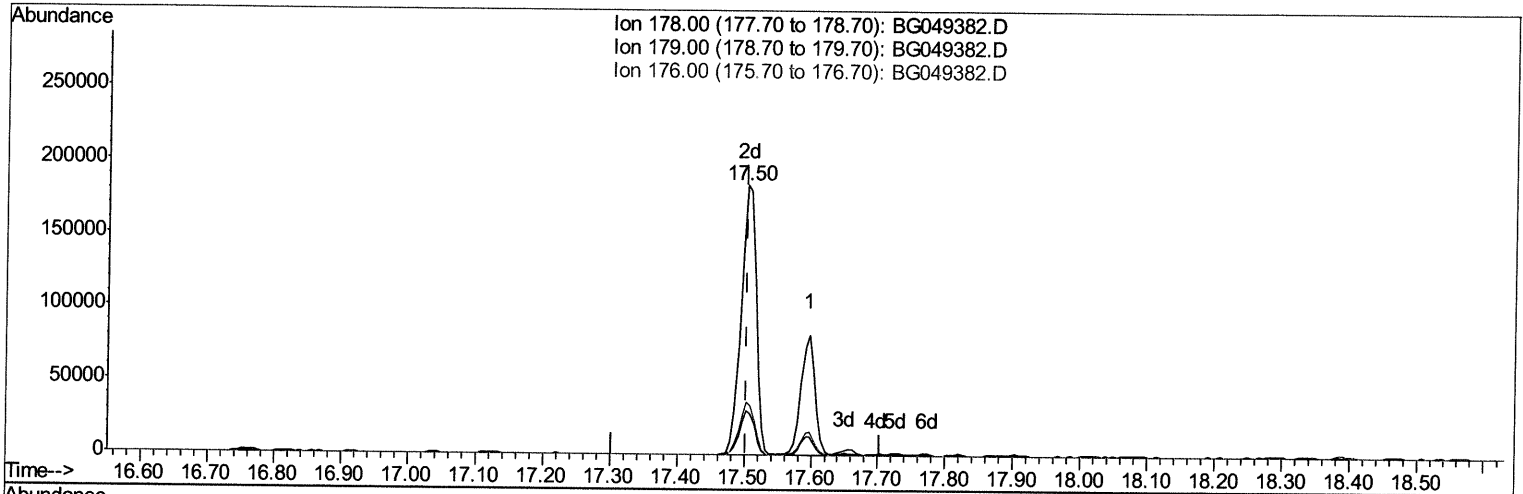
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
 Data File : BG049382.D  
 Acq On : 16 Jul 2021 17:28  
 Operator : CG/JU  
 Sample : M2970-16DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 BGE17DL

**Manual Integrations**  
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mohammad  
 7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:12:12 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SFAM-EPA-BG070921.M  
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 Response via : Initial Calibration



TIC: BG049382.D

(72) Phenanthrene

17.503min (-0.000) 26.44ng/ul m 07/22/21 JU

response 286547

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 178.00 | 100   | 100   |
| 179.00 | 16.00 | 16.38 |
| 176.00 | 19.80 | 19.65 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

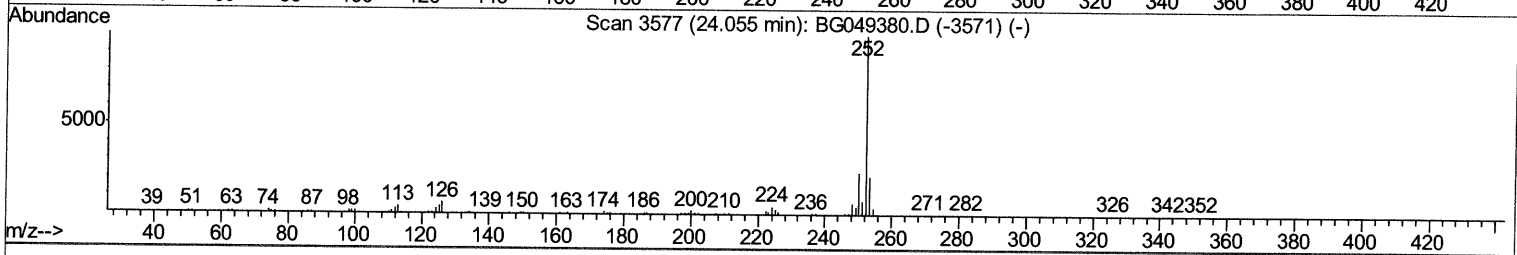
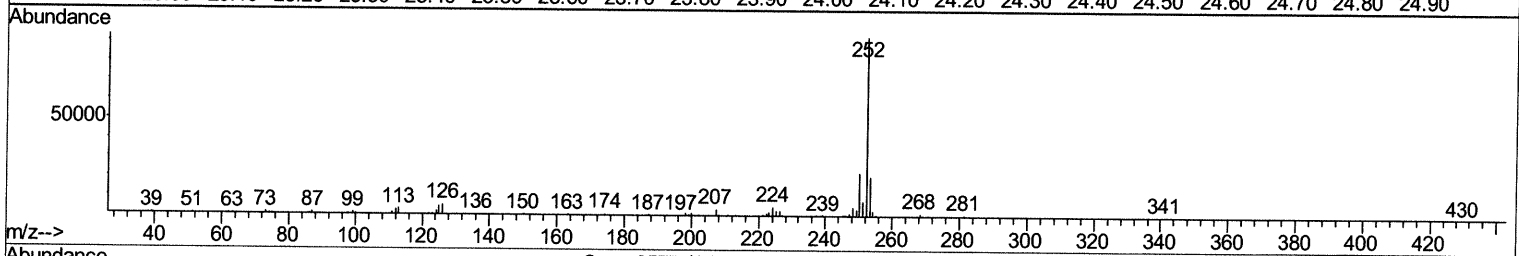
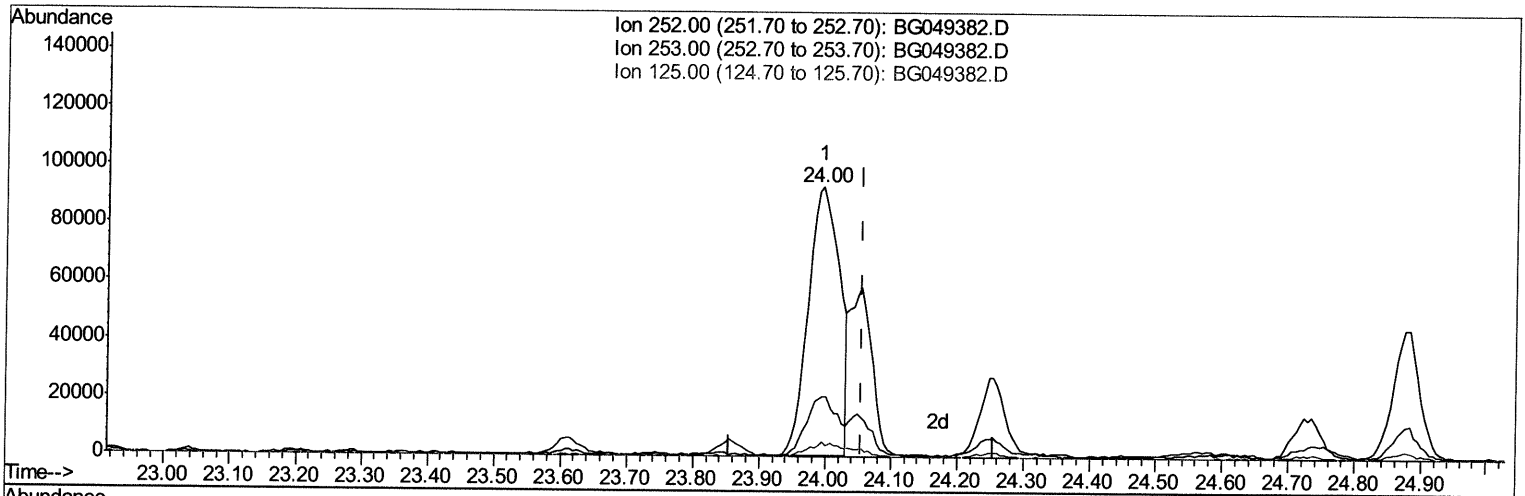
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
 Data File : BG049382.D  
 Acq On : 16 Jul 2021 17:28  
 Operator : CG/JU  
 Sample : M2970-16DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 BGE17DL

**Manual Integrations**  
**APPROVED**

mohammad  
 7/19/2021 11:53:29 AM

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TIC: BG049382.D

(91) Benzo(k)fluoranthene

23.995min (-0.059) 20.86ng/ul

response 309514

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 20.80 | 22.39 |
| 125.00 | 3.80  | 5.29# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

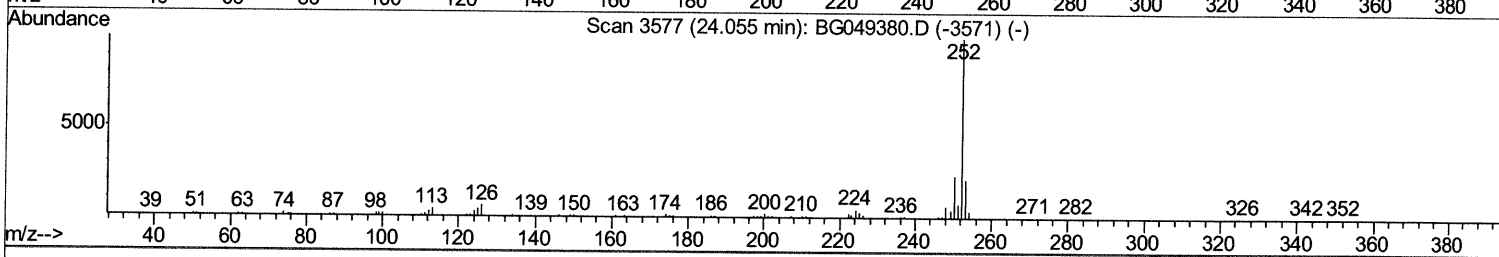
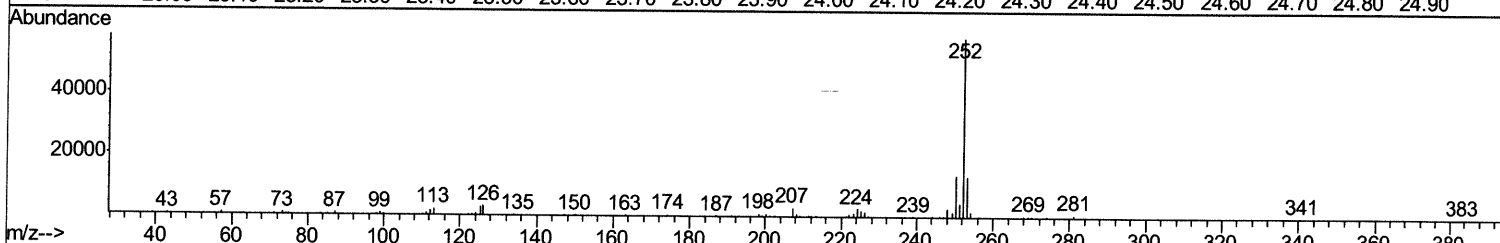
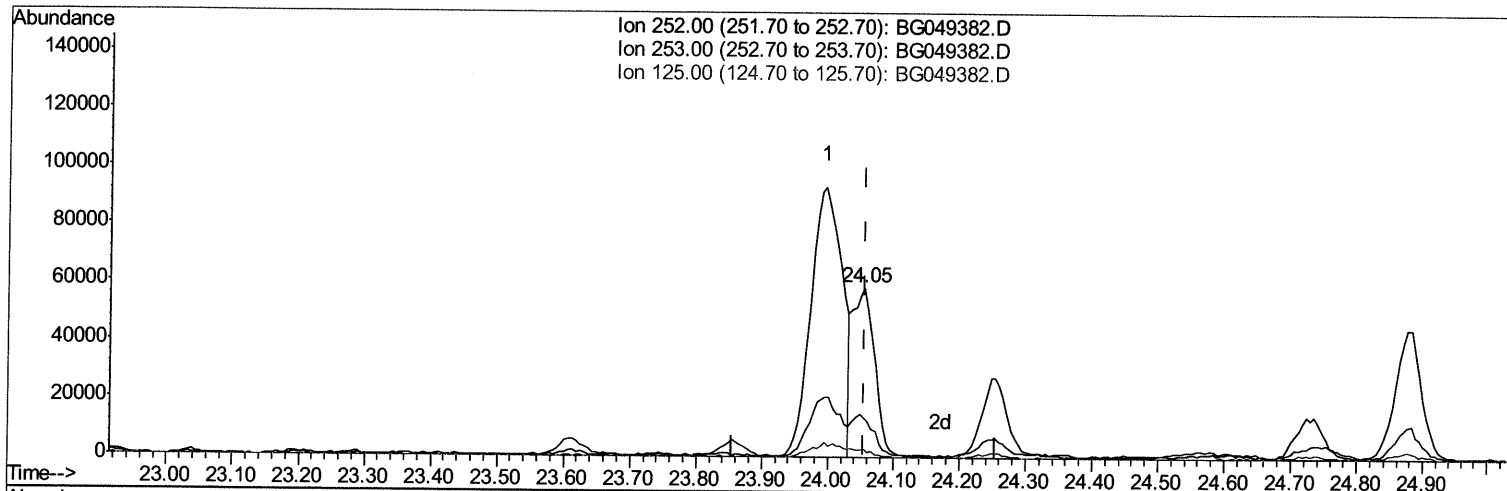
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
 Data File : BG049382.D  
 Acq On : 16 Jul 2021 17:28  
 Operator : CG/JU  
 Sample : M2970-16DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 BGE17DL

**Manual Integrations**  
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mohammad  
 7/19/2021 11:53:29 AM

Quant Time: Jul 16 18:12:12 2021  
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TIC: BG049382.D

(91) Benzo(k)fluoranthene

24.054min (-0.000) 9.12ng/ul m 07/22/21 JU

response 135288

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 252.00 | 100   | 100   |
| 253.00 | 20.80 | 22.89 |
| 125.00 | 3.80  | 5.16# |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

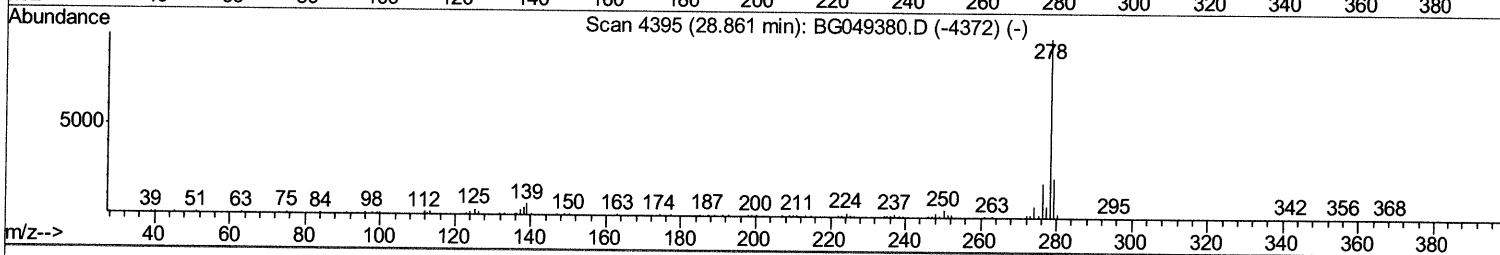
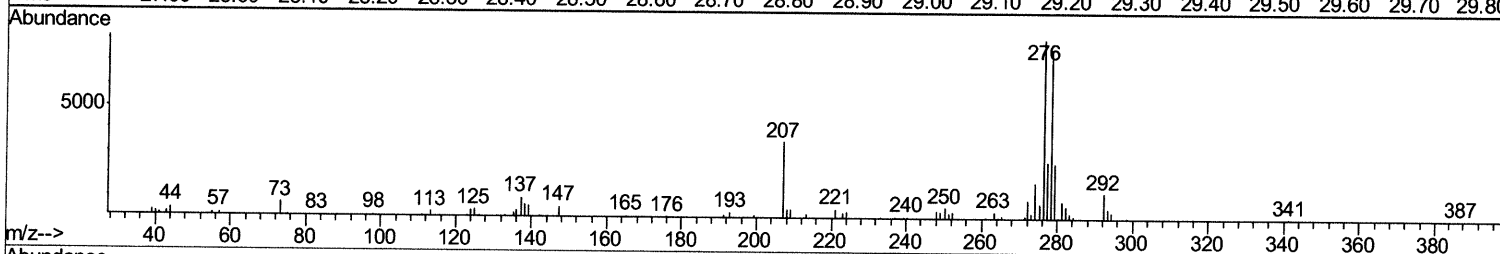
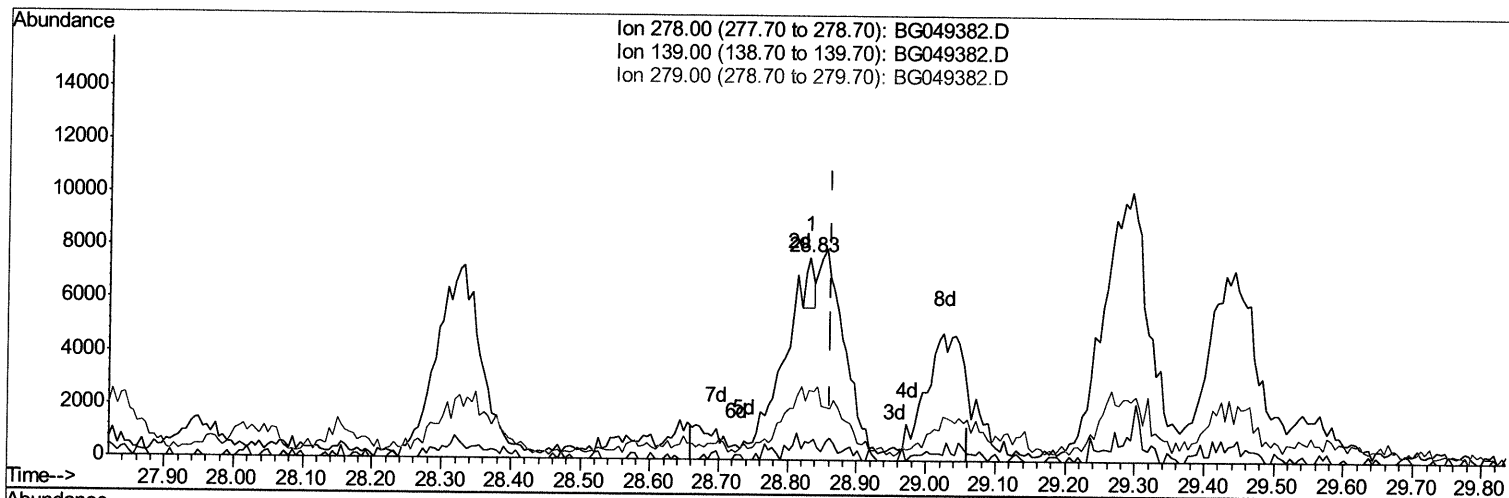
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
 Data File : BG049382.D  
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 Operator : CG/JU  
 Sample : M2970-16DL 2X  
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Manual Integrations  
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 7/19/2021 11:53:29 AM

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TIC: BG049382.D

(95) Dibenzo(a,h)anthracene

28.831min (-0.030) 0.10ng/ul

response 1449

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 278.00 | 100   | 100    |
| 139.00 | 7.40  | 8.30   |
| 279.00 | 22.00 | 34.23# |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

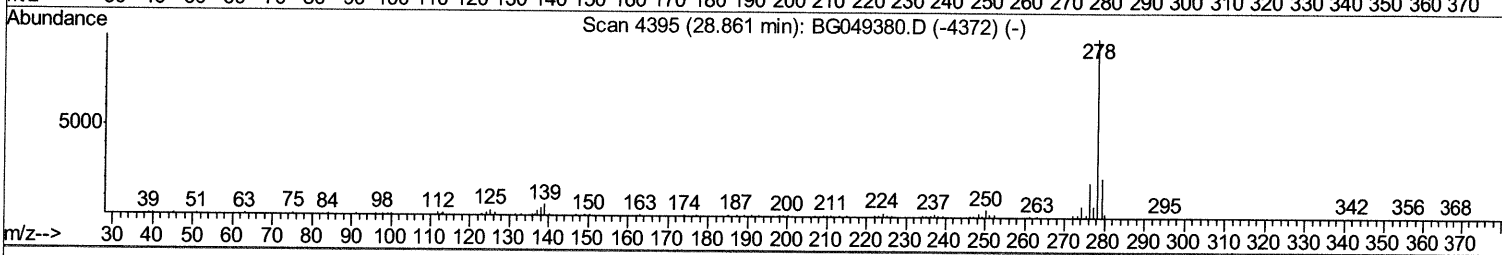
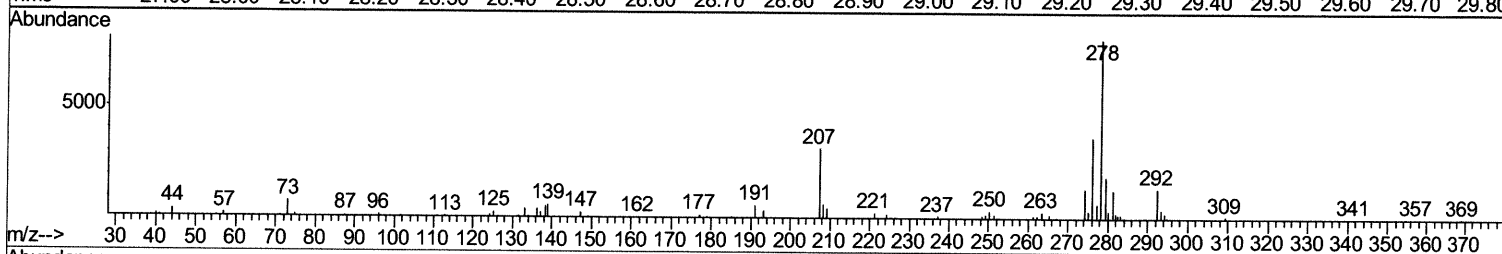
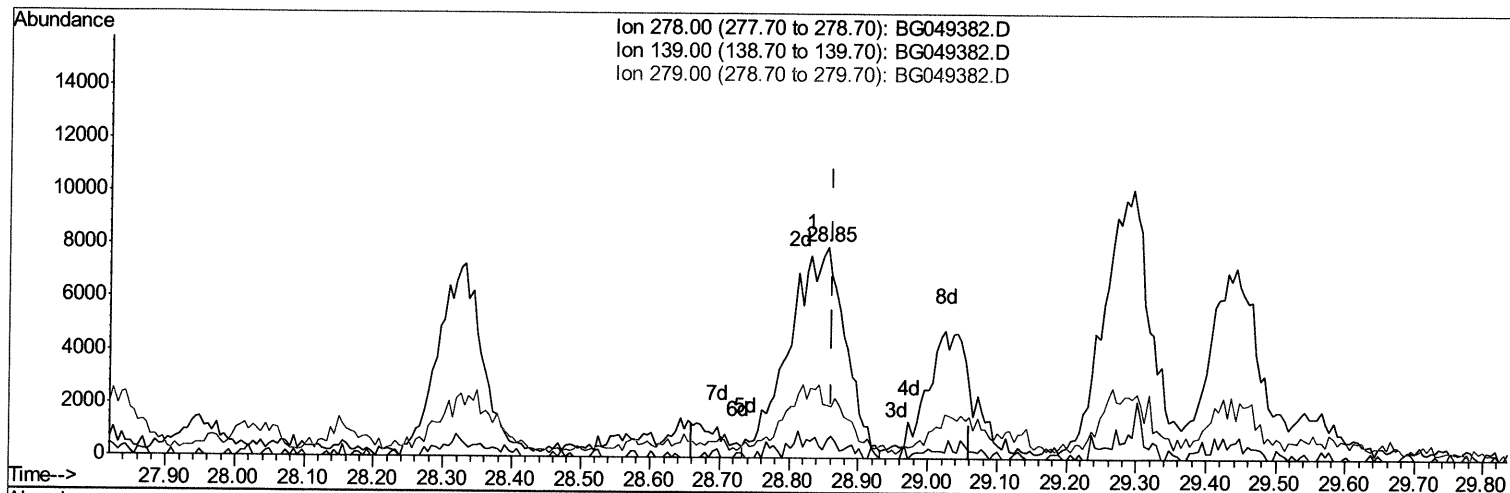
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
Data File : BG049382.D  
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Manual Integrations  
APPROVED

mohammad  
7/19/2021 11:53:29 AM

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Response via : Initial Calibration



TIC: BG049382.D

(95) Dibenzo(a,h)anthracene

28.854min (-0.006) 3.13ng/ul m 07/22/21 JU

response 44844

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 278.00 | 100   | 100   |
| 139.00 | 7.40  | 8.64  |
| 279.00 | 22.00 | 24.91 |
| 0.00   | 0.00  | 0.00  |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071621\  
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Manual Integrations  
 APPROVED

mohammad  
 7/19/2021 11:53:29 AM

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min)         |
|--------------------------------|-------|------|----------|--------|--------|------------------|
| 1) 1,4-Dichlorobenzene-d4      | 8.06  | 152  | 31384    | 20.00  | ng/ul  | 0.00             |
| 20) Naphthalene-d8             | 10.89 | 136  | 130022   | 20.00  | ng/ul  | 0.00             |
| 38) Acenaphthene-d10           | 14.71 | 164  | 100156   | 20.00  | ng/ul  | 0.00             |
| 64) Phenanthrene-d10           | 17.46 | 188  | 222210m> | 20.00  | ng/ul> | 0.00 07/22/21 J4 |
| 79) Chrysene-d12               | 21.74 | 240  | 227196   | 20.00  | ng/ul  | 0.00             |
| 88) Perylene-d12               | 25.04 | 264  | 246714   | 20.00  | ng/ul  | 0.00             |
| System Monitoring Compounds    |       |      |          |        |        |                  |
| 3) 1,4-Dioxane-d8              | 3.46  | 96   | 802m>    | 1.20   | ng/uL> | 0.02 07/22/21 J4 |
| 4) Pyridine-d5                 | 3.89  | 84   | 5886     | 3.00   | ng/ul  | 0.02             |
| 7) Phenol-d5                   | 7.22  | 99   | 18366    | 6.73   | ng/ul  | 0.00             |
| 9) Bis-(2-Chloroethyl)ether-d  | 7.38  | 67   | 12282    | 7.76   | ng/ul  | 0.00             |
| 11) 2-Chlorophenol-d4          | 7.60  | 132  | 15013    | 7.44   | ng/ul  | 0.00             |
| 15) 4-Methylphenol-d8          | 8.77  | 113  | 16235    | 7.42   | ng/ul  | 0.00             |
| 21) Nitrobenzene-d5            | 9.23  | 128  | 8590     | 8.61   | ng/ul  | 0.00             |
| 24) 2-Nitrophenol-d4           | 9.96  | 143  | 8839     | 7.72   | ng/ul  | 0.00             |
| 28) 2,4-Dichlorophenol-d3      | 10.51 | 165  | 16340    | 7.31   | ng/ul  | 0.00             |
| 31) 4-Chloroaniline-d4         | 11.02 | 131  | 16501    | 5.67   | ng/ul  | 0.00             |
| 46) Dimethylphthalate-d6       | 14.11 | 166  | 62626    | 8.13   | ng/ul  | 0.00             |
| 49) Acenaphthylene-d8          | 14.41 | 160  | 70477    | 7.80   | ng/ul  | 0.00             |
| 54) 4-Nitrophenol-d4           | 14.91 | 143  | 7125     | 5.59   | ng/ul  | 0.00             |
| 60) Fluorene-d10               | 15.70 | 176  | 55321    | 8.48   | ng/ul  | 0.00             |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 200  | 5186     | 3.67   | ng/ul  | 0.00             |
| 73) Anthracene-d10             | 17.56 | 188  | 87272    | 8.63   | ng/ul  | 0.00             |
| 81) Pyrene-d10                 | 19.85 | 212  | 83163    | 7.14   | ng/ul  | 0.00             |
| 92) Benzo(a)pyrene-d12         | 24.81 | 264  | 59818    | 4.66   | ng/ul  | 0.00             |
| Target Compounds               |       |      |          |        |        |                  |
| 30) Naphthalene                | 10.93 | 128  | 6745     | 1.040  | ng/ul# | 93               |
| 52) Acenaphthene               | 14.77 | 153  | 6687     | 1.146  | ng/ul  | 92               |
| 61) Fluorene                   | 15.76 | 166  | 12214    | 1.744  | ng/ul  | 89               |
| 72) Phenanthrene               | 17.50 | 178  | 286547m> | 26.438 | ng/ul> | 97 07/22/21 J4   |
| 74) Anthracene                 | 17.60 | 178  | 118141   | 10.671 | ng/ul  | 97               |
| 80) Fluoranthene               | 19.51 | 202  | 579715   | 42.806 | ng/ul  | 99               |
| 82) Pyrene                     | 19.88 | 202  | 330453   | 24.489 | ng/ul  | 99               |
| 85) Benzo(a)anthracene         | 21.73 | 228  | 346186   | 24.795 | ng/ul  | 96               |
| 87) Chrysene                   | 21.79 | 228  | 254676   | 19.284 | ng/ul  | 98               |
| 90) Benzo(b)fluoranthene       | 24.00 | 252  | 309514   | 20.336 | ng/ul  | 99               |
| 91) Benzo(k)fluoranthene       | 24.05 | 252  | 135288m> | 9.116  | ng/ul> | 92 07/22/21 J4   |
| 93) Benzo(a)pyrene             | 24.88 | 252  | 120911   | 9.027  | ng/ul# | 92               |
| 94) Indeno(1,2,3-cd)pyrene     | 28.78 | 276  | 90008    | 5.208  | ng/ul  | 95               |
| 95) Dibenzo(a,h)anthracene     | 28.85 | 278  | 44844m>  | 3.133  | ng/ul> | 97 07/22/21 J4   |

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