

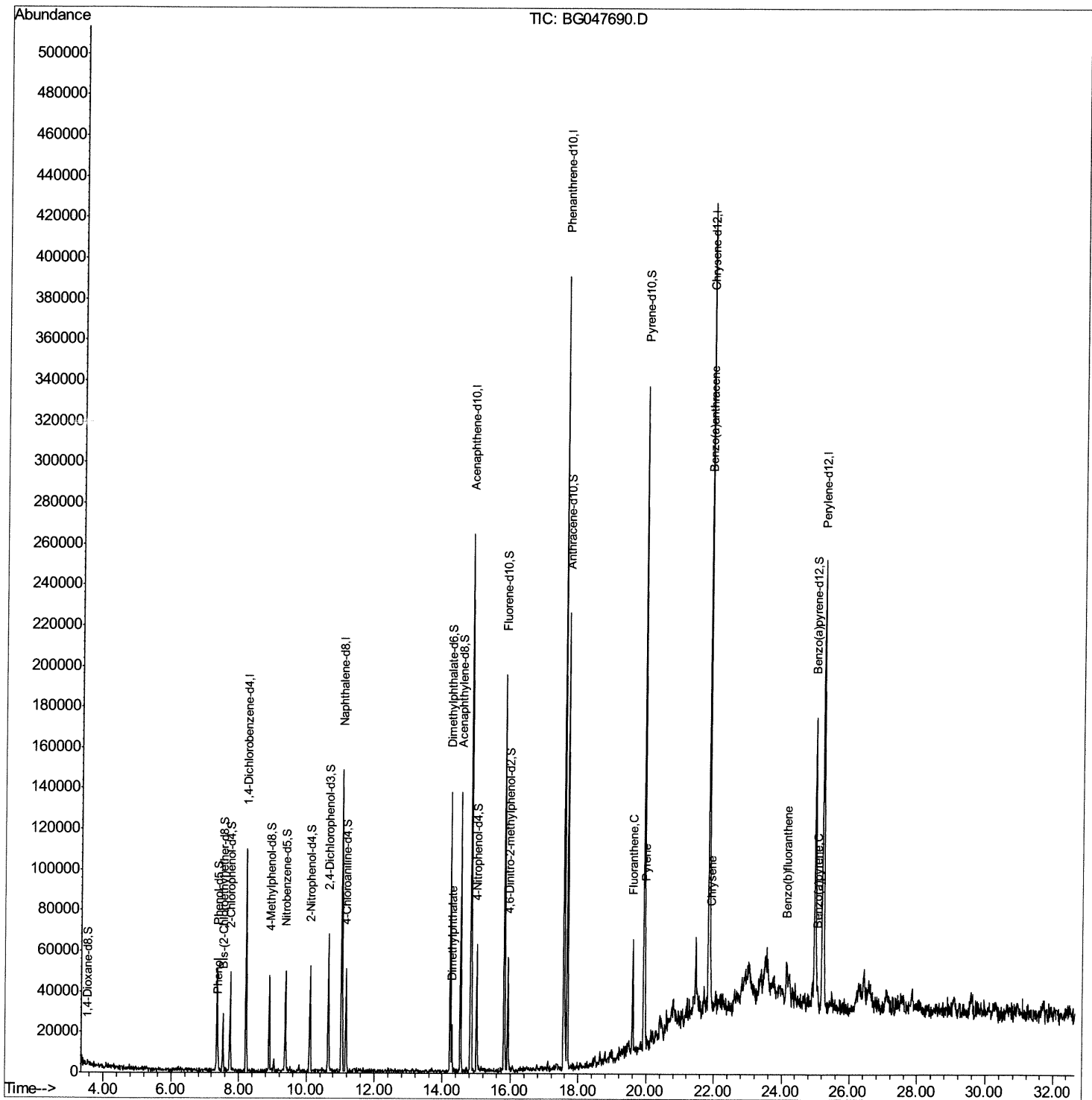
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
Data File : BG047690.D  
Acq On : 10 Dec 2020 2:45  
Operator : CG/JU  
Sample : L4941-11  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B30

Manual Integrations  
APPROVED

mohammad  
12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:22:23 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 03:40:15 2020  
Response via : Initial Calibration



# Quantitation Report (Qedit)

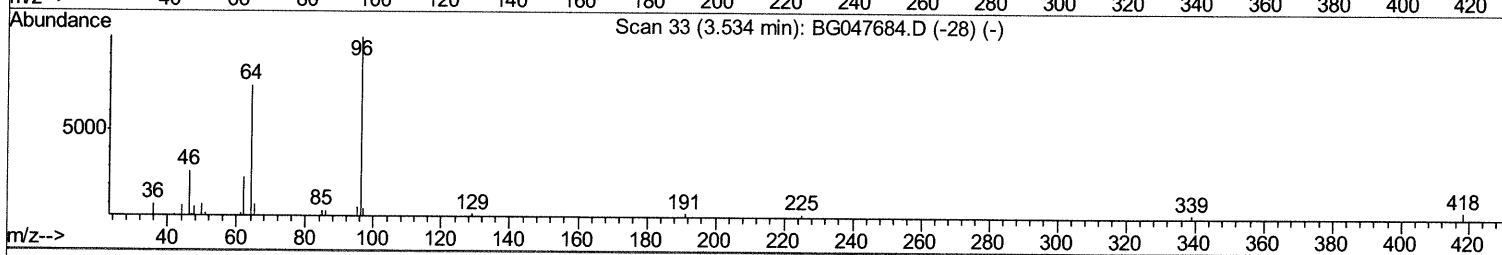
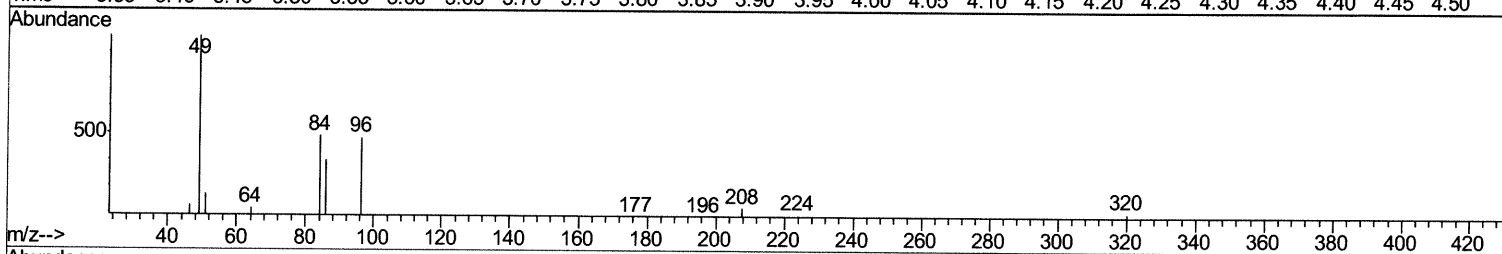
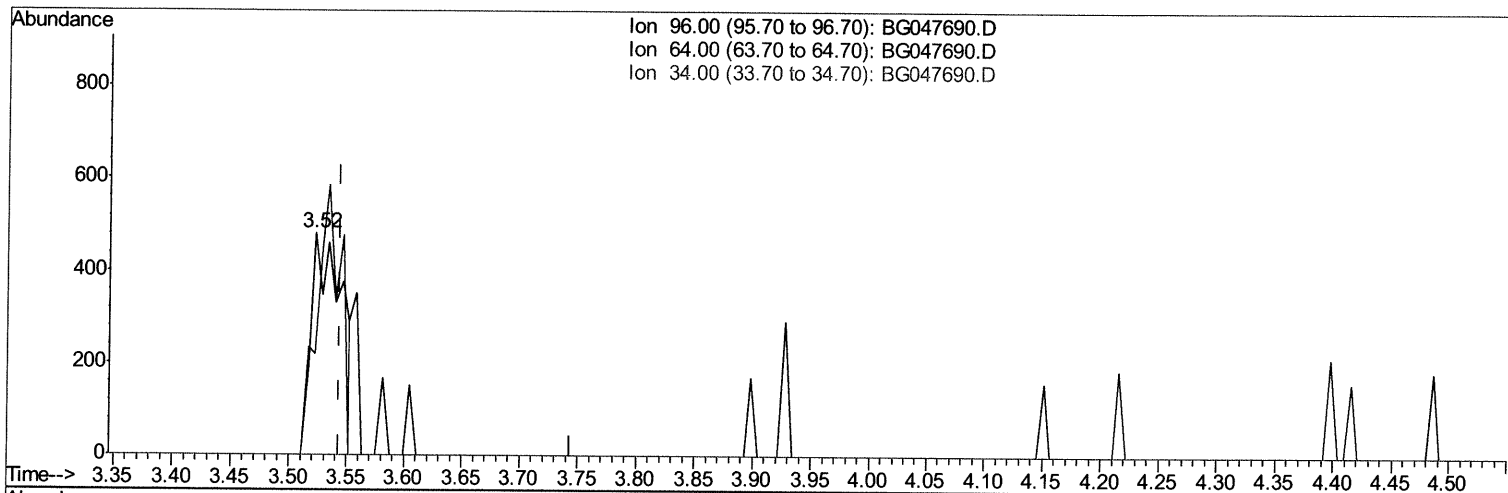
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:11:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

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

3.522min (-0.021) 1.68ng/uL

response 872

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 84.30 | 45.53# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

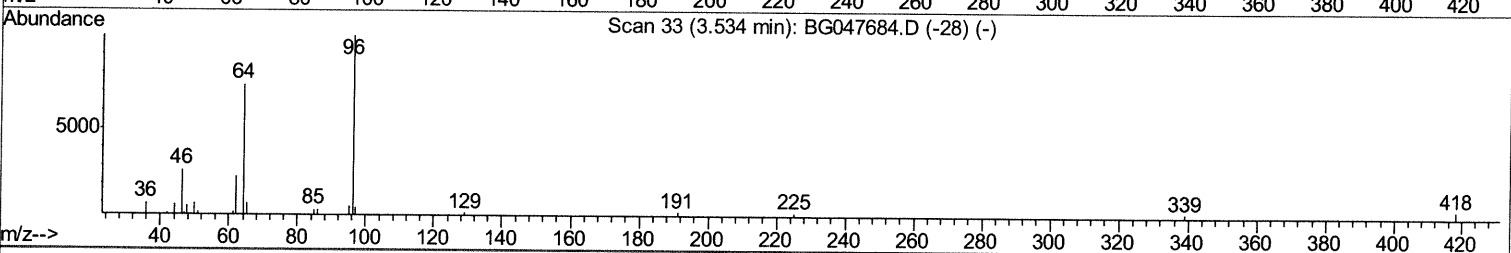
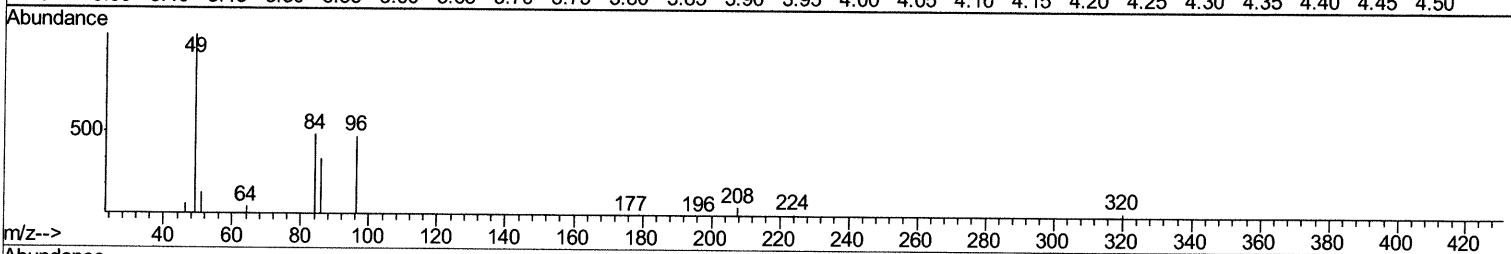
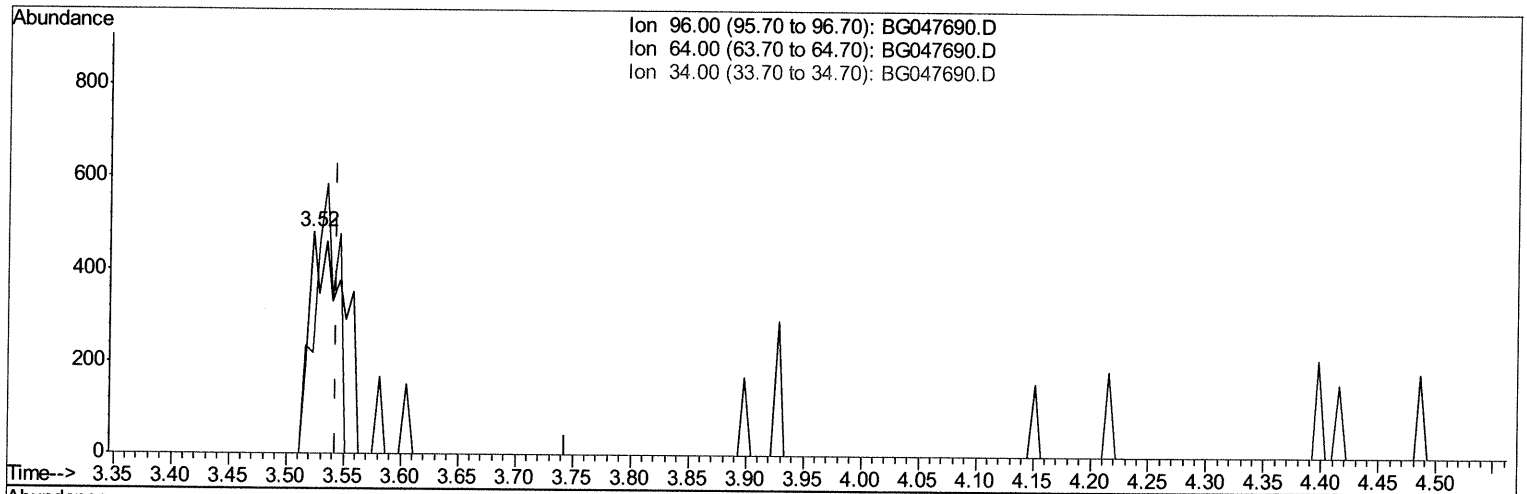
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:11:26 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

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

3.522min (-0.021) 1.92ng/uL m 12/11/2024

response 996

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 84.30 | 45.53# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

# Quantitation Report (Qedit)

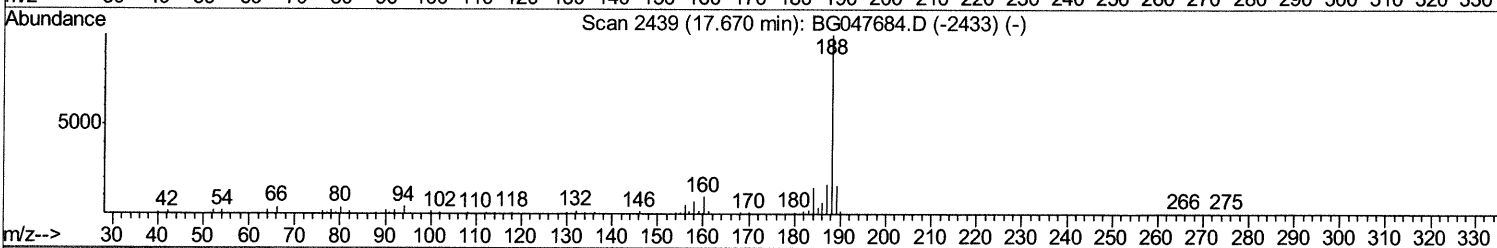
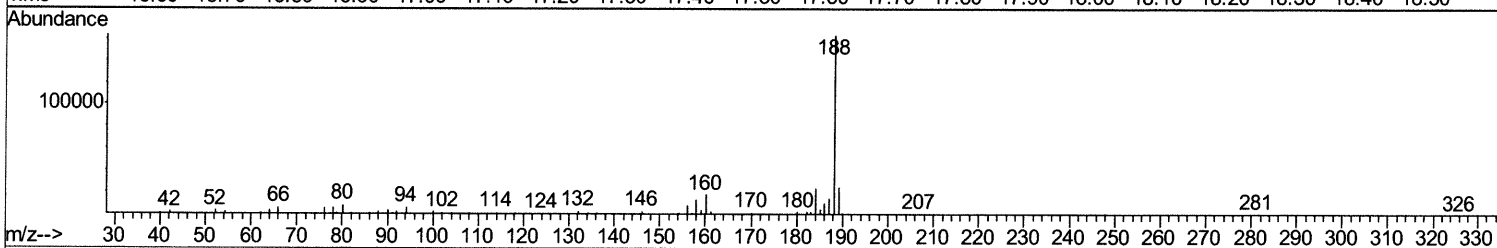
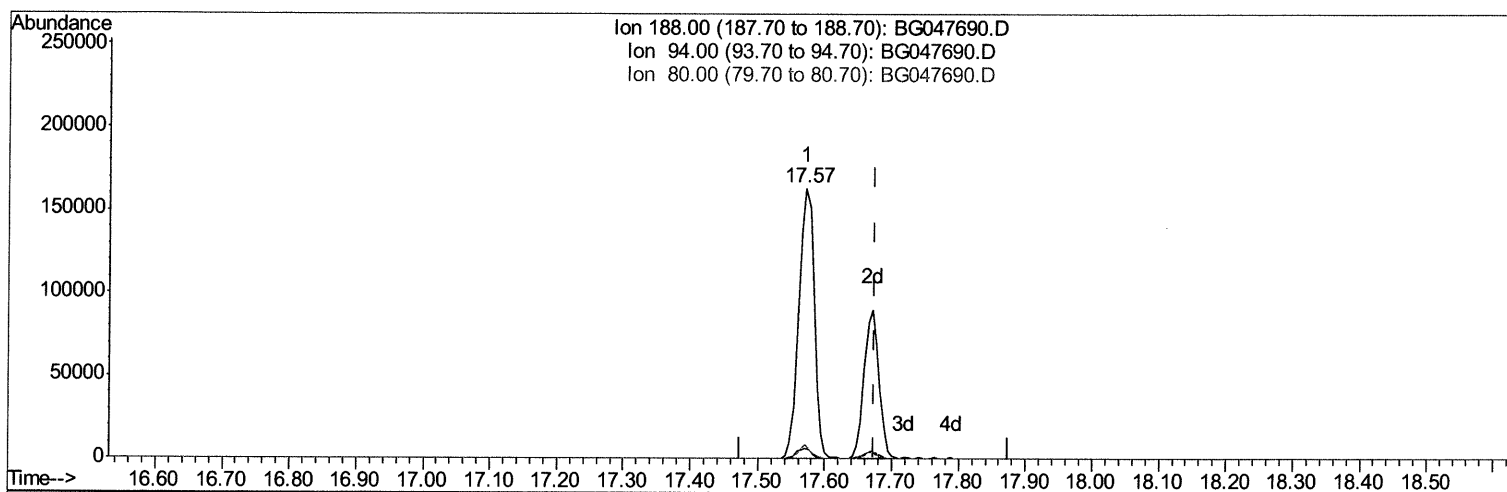
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

**Instrument :**  
 BNA\_G  
**ClientSampleId :**  
 C0B30

**Manual Integrations**  
**APPROVED**

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:15:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

(71) Anthracene-d10 (S)

17.571min (-0.104) 20.05ng/ul

response 259275

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 3.50 | 3.62 |
| 80.00  | 4.90 | 5.17 |
| 0.00   | 0.00 | 0.00 |

# Quantitation Report (Qedit)

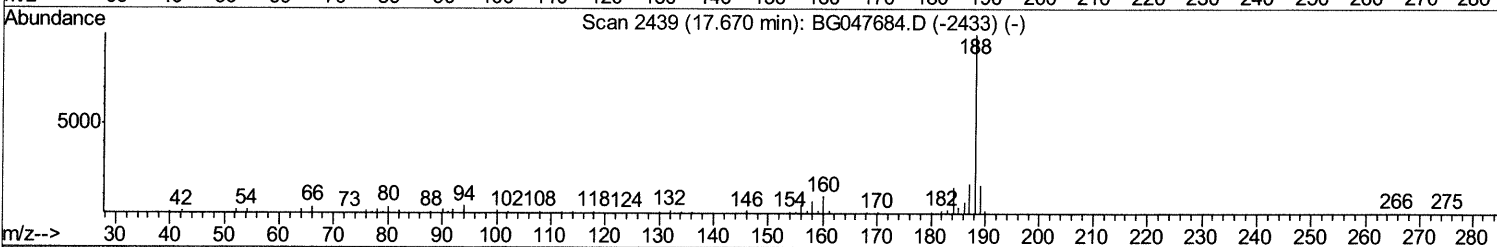
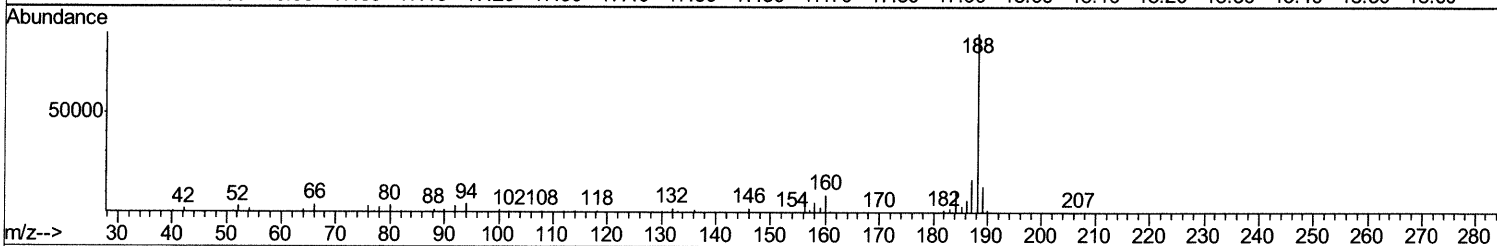
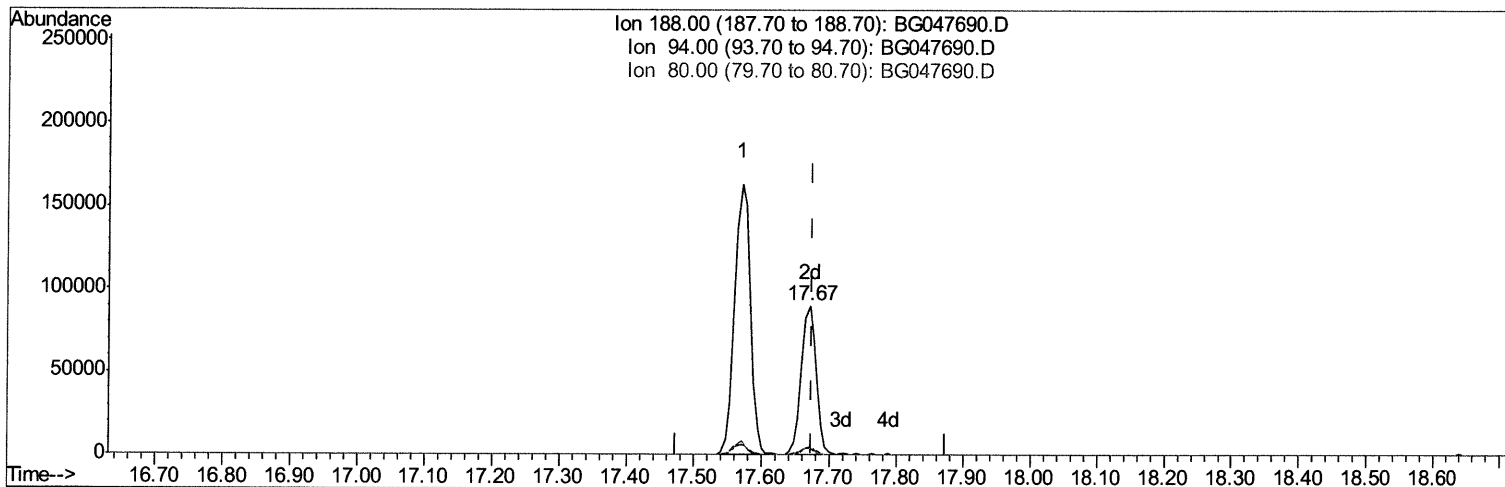
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:15:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

(71) Anthracene-d10 (S)

17.670min (-0.004) 10.60ng/ul m 12/11/2020

response 137090

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 3.50 | 4.74# |
| 80.00  | 4.90 | 4.03  |
| 0.00   | 0.00 | 0.00  |

## Quantitation Report (Qedit)

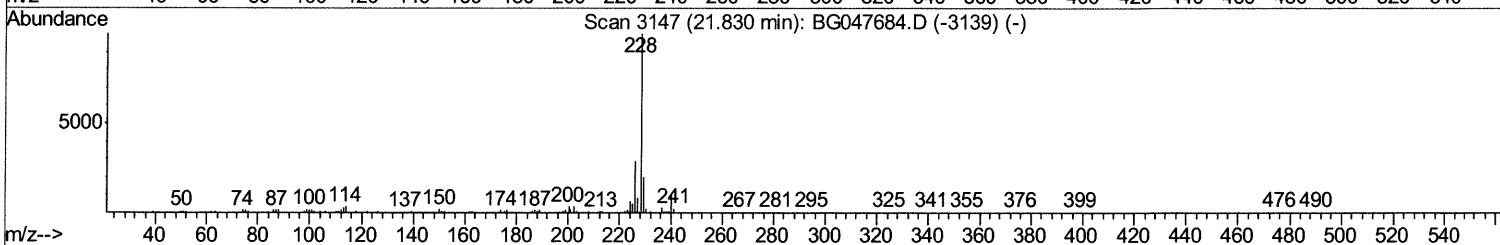
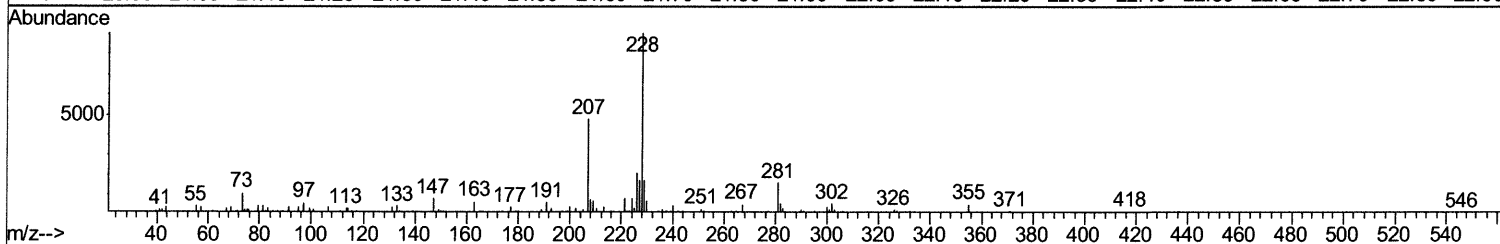
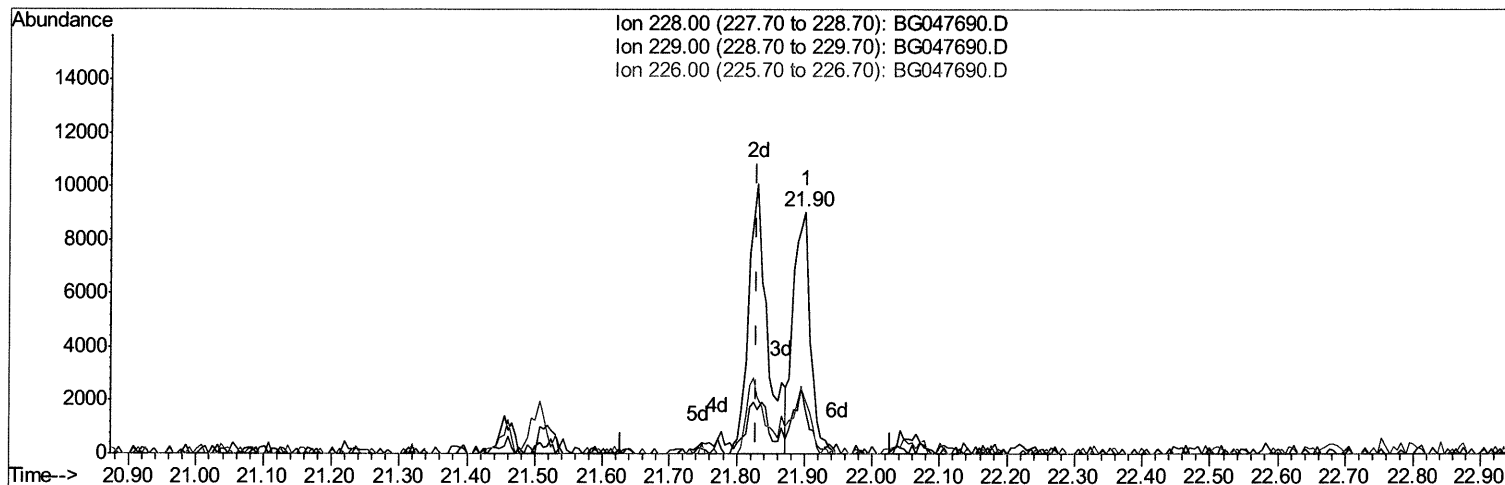
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
Data File : BG047690.D  
Acq On : 10 Dec 2020 2:45  
Operator : CG/JU  
Sample : L4941-11  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B30

Manual Integrations  
APPROVED

mohammad  
12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:17:37 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 03:40:15 2020  
Response via : Initial Calibration



TIC: BG047690.D

(83) Benzo(a)anthracene

21.901min (+0.073) 0.89ng/ul

response 15853

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 229.00 | 20.00 | 19.44 |
| 226.00 | 28.00 | 23.06 |
| 0.00   | 0.00  | 0.00  |

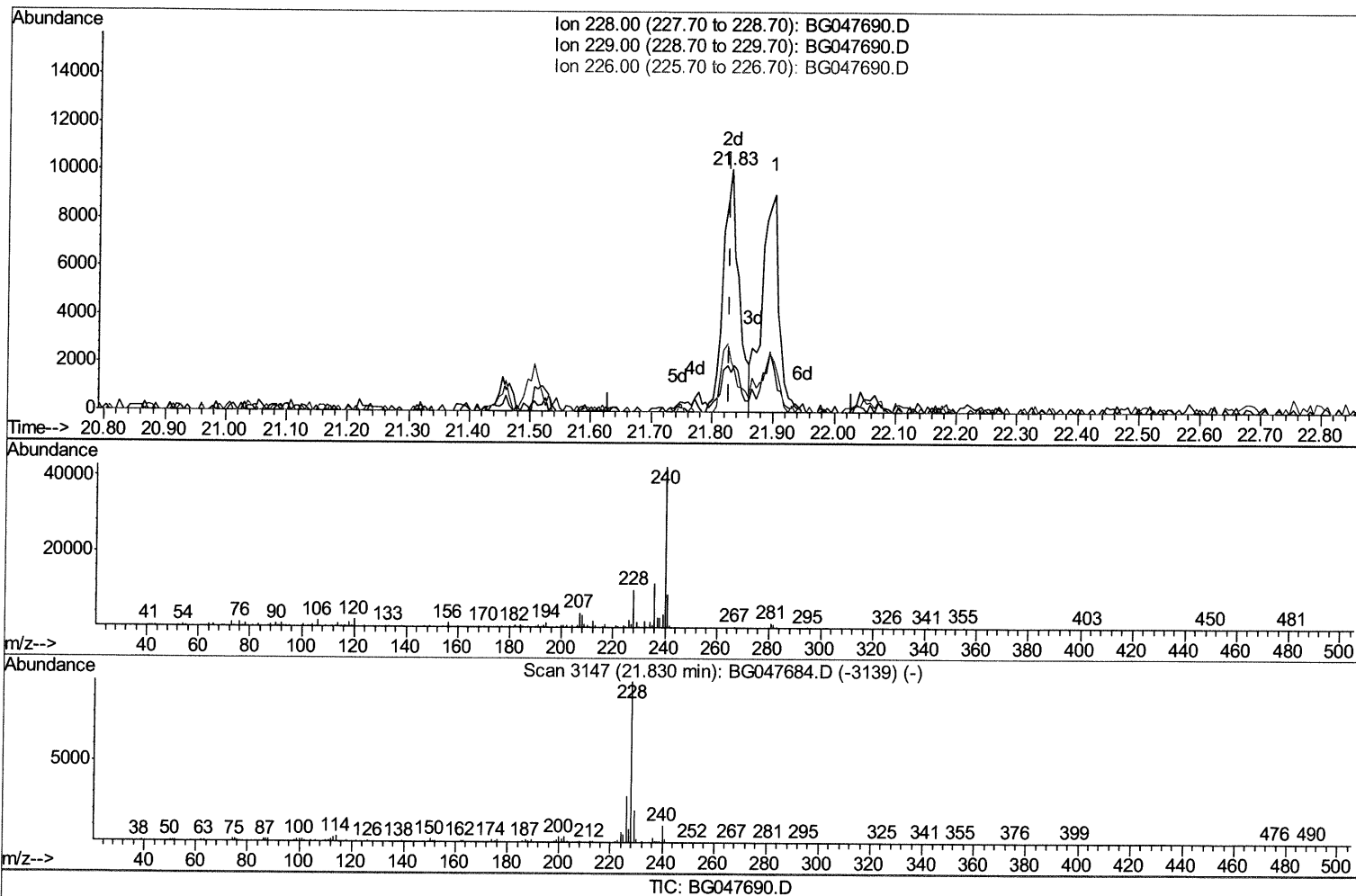
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
Data File : BG047690.D  
Acq On : 10 Dec 2020 2:45  
Operator : CG/JU  
Sample : L4941-11  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
C0B30

Manual Integrations  
APPROVED

mohammad  
12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:17:37 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 03:40:15 2020  
Response via : Initial Calibration



(83) Benzo(a)anthracene

21.830min (+0.002) 1.02ng/ul m 12/11/2024

response 18137

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 228.00 | 100   | 100    |
| 229.00 | 20.00 | 16.44  |
| 226.00 | 28.00 | 20.78# |
| 0.00   | 0.00  | 0.00   |

# Quantitation Report (Qedit)

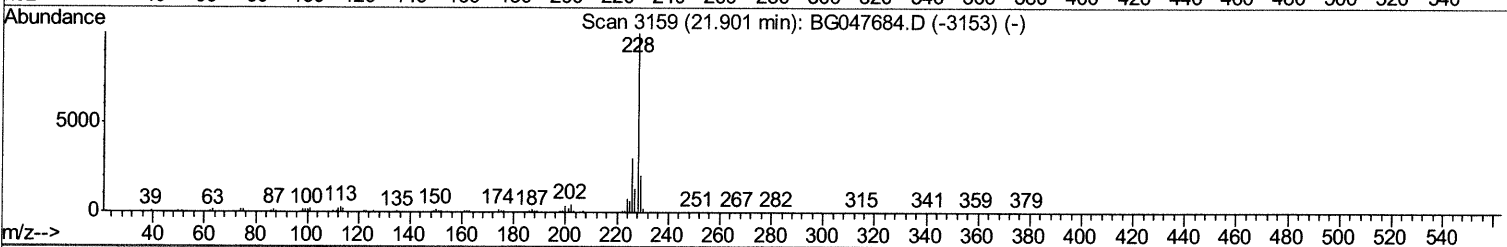
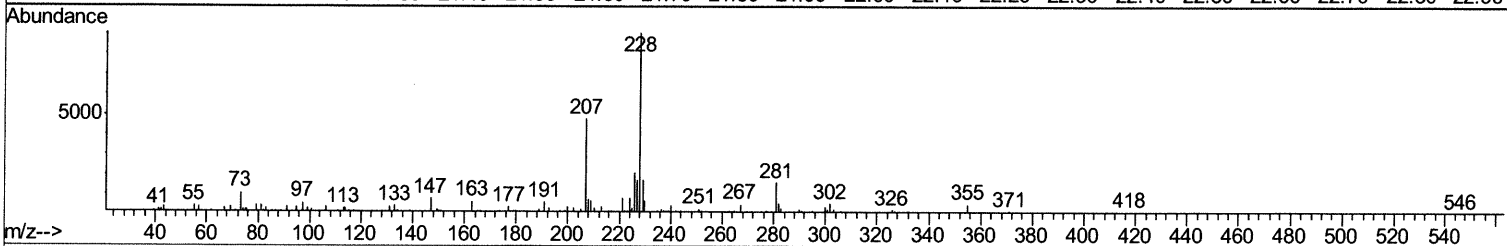
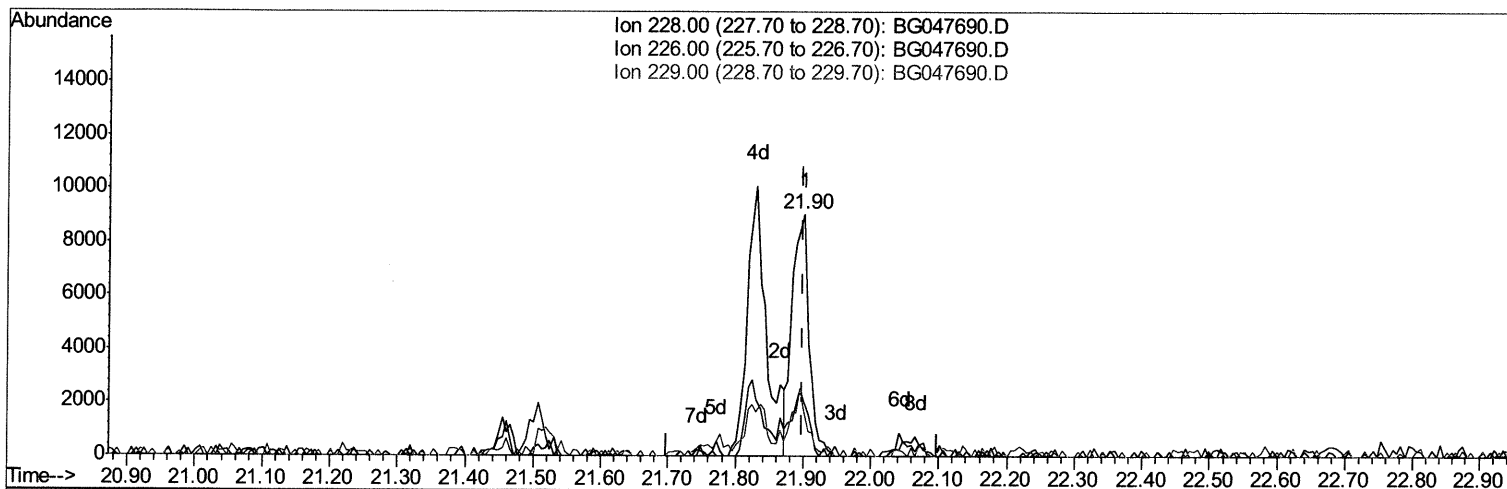
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:17:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

(85) Chrysene

21.901min (+0.002) 0.95ng/ul

response 15853

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 28.70 | 23.06 |
| 229.00 | 19.80 | 19.44 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

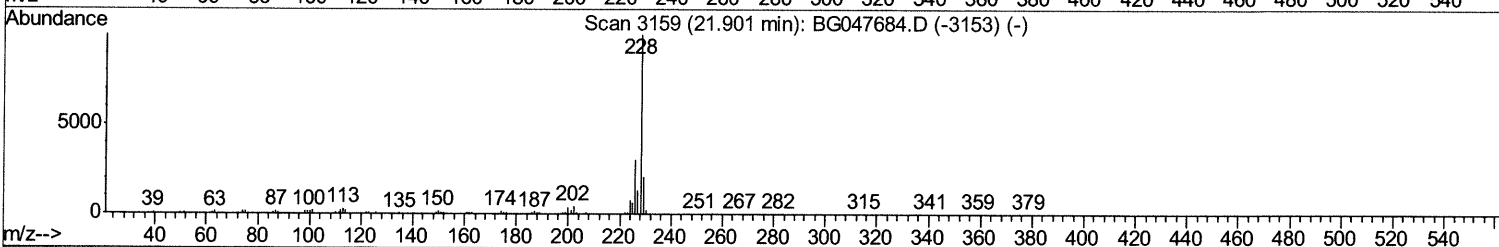
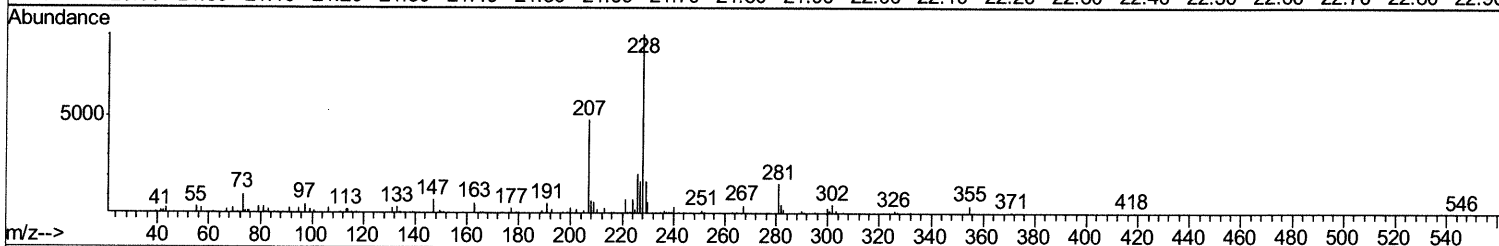
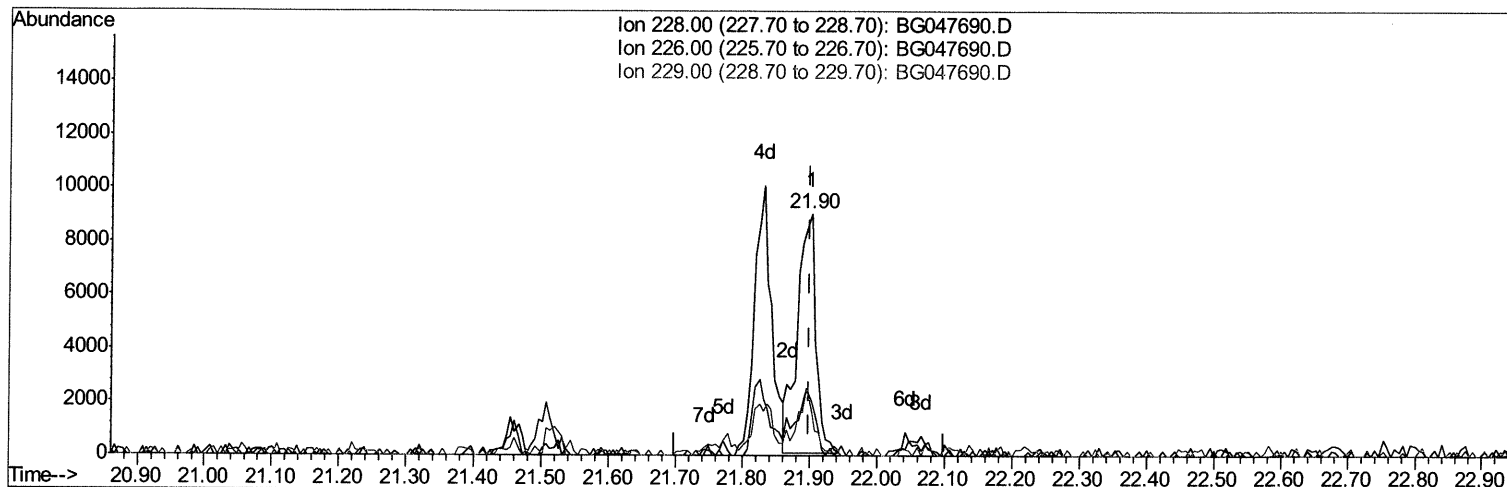
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:17:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

(85) Chrysene

21.901min (+0.002) 1.02ng/ul m 12/10/2020

response 17141

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 228.00 | 100   | 100   |
| 226.00 | 28.70 | 23.06 |
| 229.00 | 19.80 | 19.44 |
| 0.00   | 0.00  | 0.00  |

# Quantitation Report (Qedit)

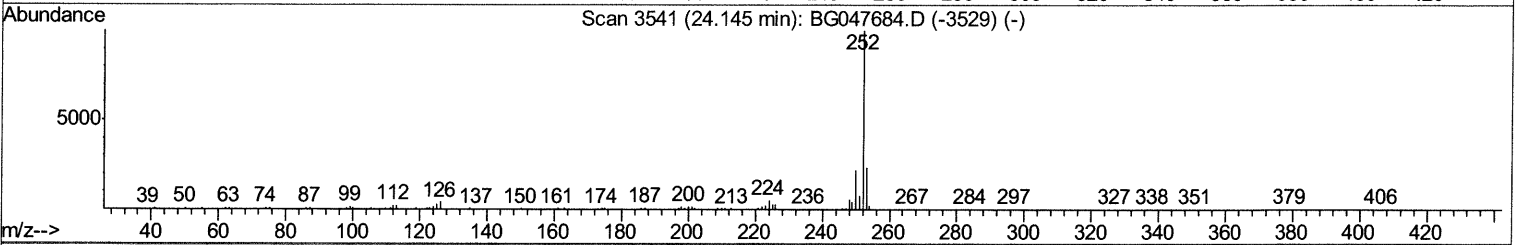
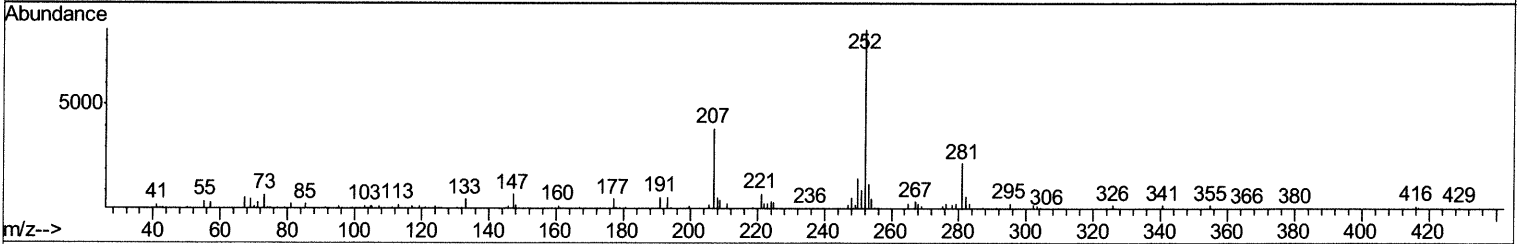
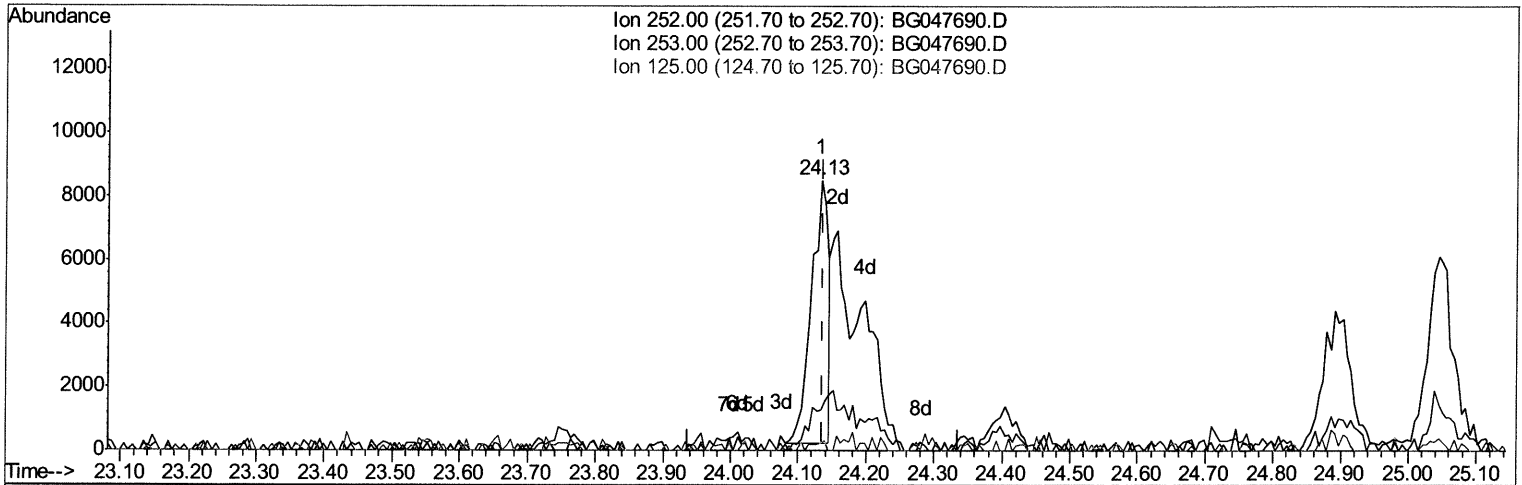
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:17:37 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration



TIC: BG047690.D

(88) Benzo(b)fluoranthene  
 24.133min (-0.004) 0.81ng/ul  
 response 14704  

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.40 | 15.05# |
| 125.00 | 3.20  | 2.79   |
| 0.00   | 0.00  | 0.00   |

## Quantitation Report (Qedit)

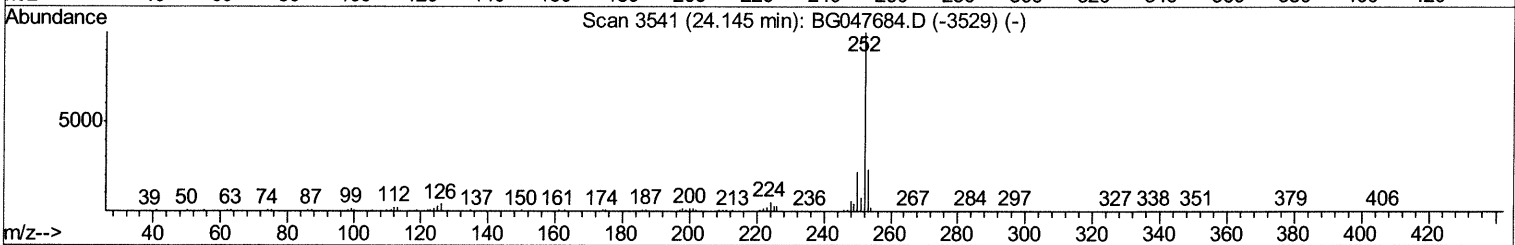
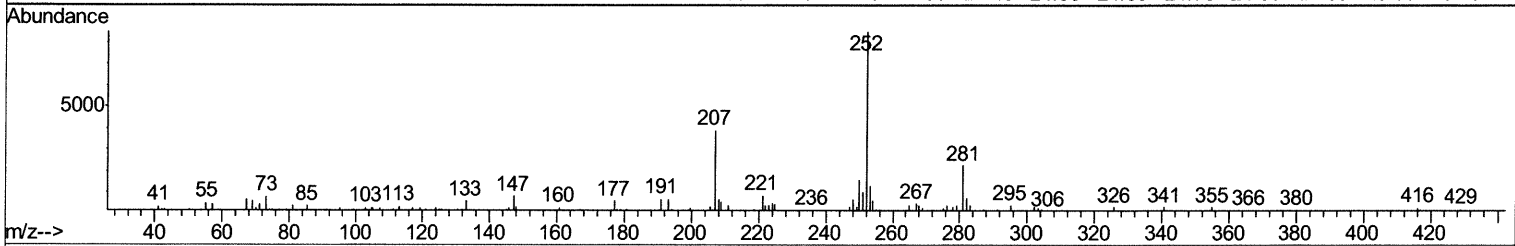
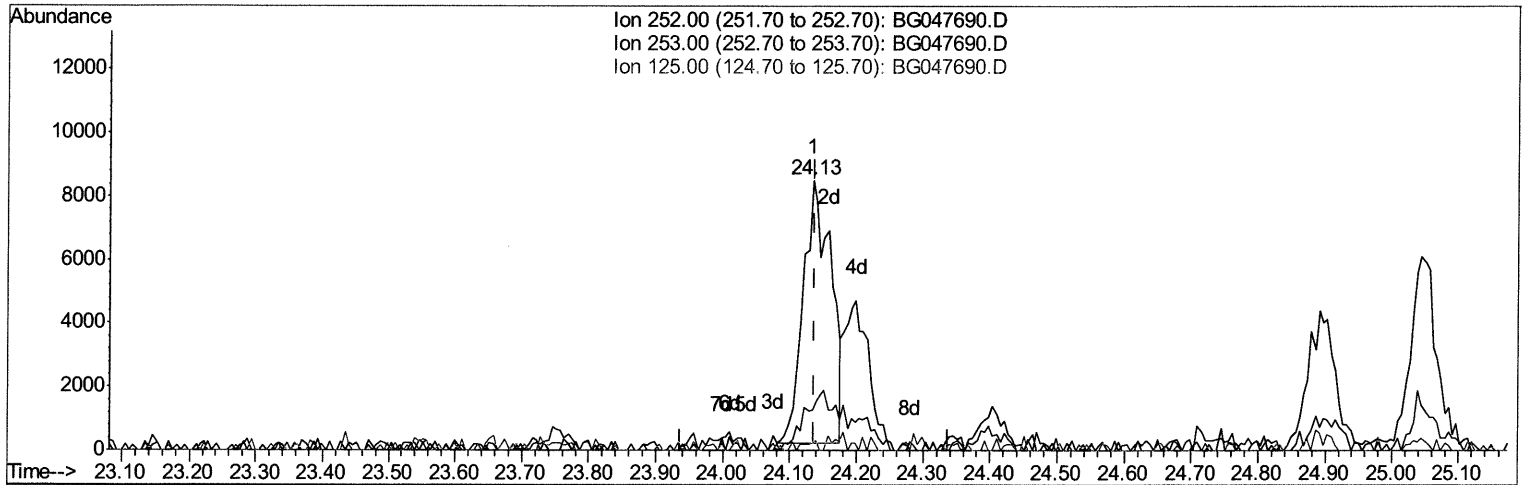
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
Data File : BG047690.D  
Acq On : 10 Dec 2020 2:45  
Operator : CG/JU  
Sample : L4941-11  
Misc :  
ALS Vial : 43 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampled :  
C0B30

Manual Integrations  
APPROVED

mohammad  
12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:17:37 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Dec 10 03:40:15 2020  
Response via : Initial Calibration



TIC: BG047690.D

(88) Benzo(b)fluoranthene

24.133min (-0.004) 1.32ng/ul m 12/11/2024

response 23797

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 252.00 | 100   | 100    |
| 253.00 | 23.40 | 15.05# |
| 125.00 | 3.20  | 2.79   |
| 0.00   | 0.00  | 0.00   |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120820\  
 Data File : BG047690.D  
 Acq On : 10 Dec 2020 2:45  
 Operator : CG/JU  
 Sample : L4941-11  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C0B30

Manual Integrations  
 APPROVED

mohammad  
 12/10/2020 8:38:30 AM

Quant Time: Dec 10 04:22:23 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 10 03:40:15 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.22  | 152  | 27566    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.04 | 136  | 111837   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.83 | 164  | 95552    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.57 | 188  | 259275   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.85 | 240  | 248634   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.20 | 264  | 258556   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |            |
|--------------------------------|-------|-----|---------|-------|-------|-------|------------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96  | 996m    | 1.92  | ng/ul | -0.02 | 12/11/2024 |
| 5) Phenol-d5                   | 7.35  | 99  | 21274   | 9.02  | ng/ul | 0.00  |            |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.53  | 67  | 13011   | 10.73 | ng/ul | 0.00  |            |
| 9) 2-Chlorophenol-d4           | 7.74  | 132 | 17812   | 9.95  | ng/ul | 0.00  |            |
| 13) 4-Methylphenol-d8          | 8.91  | 113 | 13494   | 7.21  | ng/ul | 0.00  |            |
| 19) Nitrobenzene-d5            | 9.38  | 128 | 9858    | 10.81 | ng/ul | 0.00  |            |
| 22) 2-Nitrophenol-d4           | 10.11 | 143 | 10537   | 9.59  | ng/ul | 0.00  |            |
| 26) 2,4-Dichlorophenol-d3      | 10.65 | 165 | 22692   | 9.51  | ng/ul | 0.00  |            |
| 29) 4-Chloroaniline-d4         | 11.17 | 131 | 23571   | 10.75 | ng/ul | 0.00  |            |
| 44) Dimethylphthalate-d6       | 14.23 | 166 | 77144   | 9.29  | ng/ul | 0.00  |            |
| 47) Acenaphthylene-d8          | 14.53 | 160 | 95915   | 10.12 | ng/ul | 0.00  |            |
| 52) 4-Nitrophenol-d4           | 15.00 | 143 | 11115   | 9.03  | ng/ul | 0.00  |            |
| 58) Fluorene-d10               | 15.82 | 176 | 78321   | 10.25 | ng/ul | 0.00  |            |
| 63) 4,6-Dinitro-2-methylphenol | 15.93 | 200 | 12071   | 6.88  | ng/ul | 0.00  |            |
| 71) Anthracene-d10             | 17.67 | 188 | 137090m | 10.60 | ng/ul | 0.00  | 12/11/2024 |
| 79) Pyrene-d10                 | 19.94 | 212 | 171406  | 11.66 | ng/ul | 0.00  |            |
| 90) Benzo(a)pyrene-d12         | 24.97 | 264 | 170308  | 11.28 | ng/ul | 0.00  |            |

## Target Compounds

|                          |       |     |        |       | Ovalue |            |
|--------------------------|-------|-----|--------|-------|--------|------------|
| 6) Phenol                | 7.38  | 94  | 4905   | 2.201 | ng/ul  | 94         |
| 45) Dimethylphthalate    | 14.27 | 163 | 12621  | 1.501 | ng/ul  | 100        |
| 77) Fluoranthene         | 19.61 | 202 | 35778  | 2.001 | ng/ul# | 98         |
| 80) Pvrene               | 19.97 | 202 | 30319  | 1.677 | ng/ul# | 96         |
| 83) Benzo(a)anthracene   | 21.83 | 228 | 18137m | 1.021 | ng/ul  | 12/11/2024 |
| 85) Chrysene             | 21.90 | 228 | 17141m | 1.022 | ng/ul  |            |
| 88) Benzo(b)fluoranthene | 24.13 | 252 | 23797m | 1.318 | ng/ul  |            |
| 91) Benzo(a)pvrene       | 25.04 | 252 | 16691  | 1.025 | ng/ul# | 95         |

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