

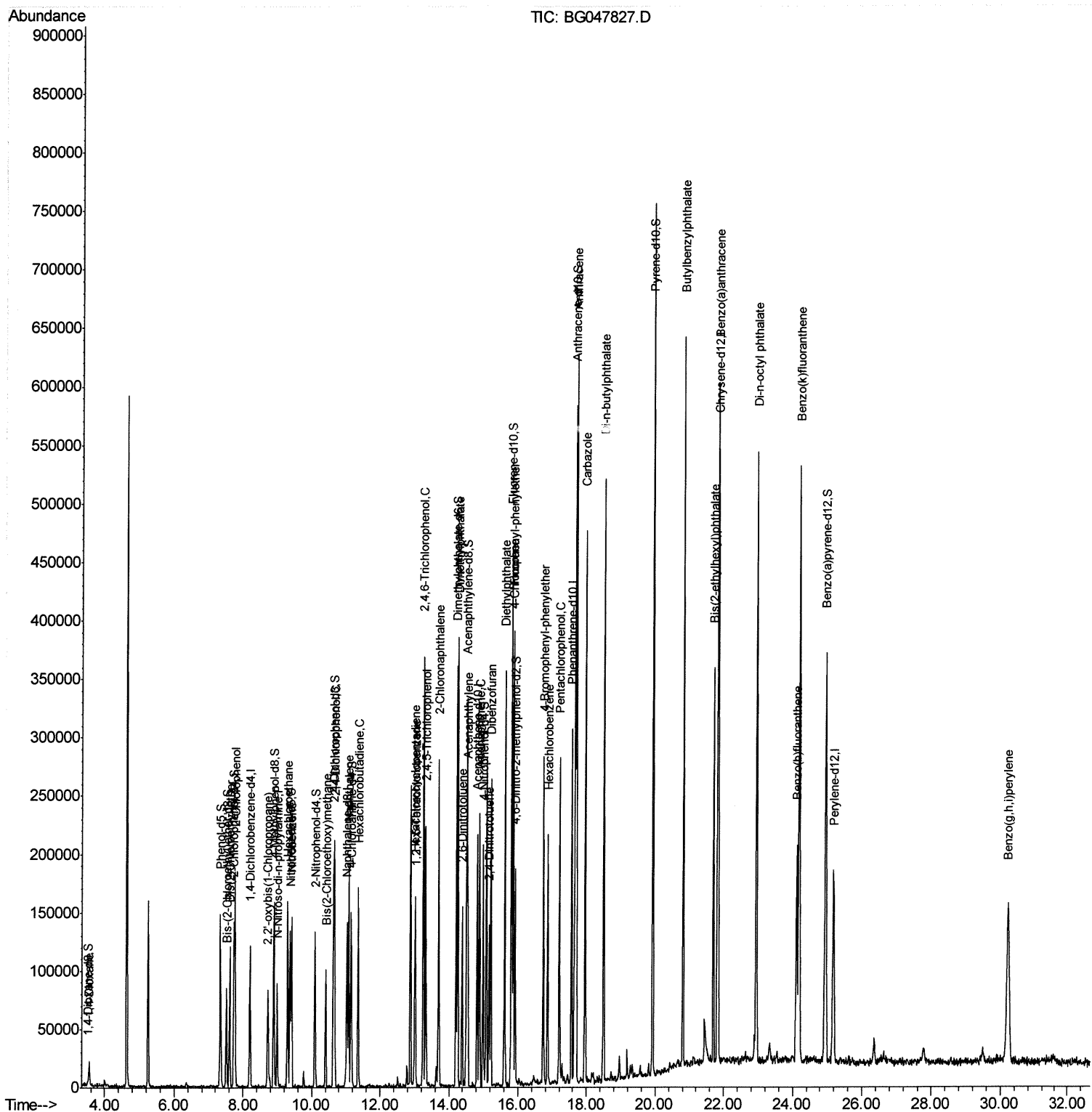
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
Data File : BG047827.D  
Acq On : 24 Dec 2020 11:33  
Operator : CG/JU  
Sample : L5112-12  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

Manual Integrations  
APPROVED

mohammad  
12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:15:10 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 23 13:42:29 2020  
Response via : Initial Calibration



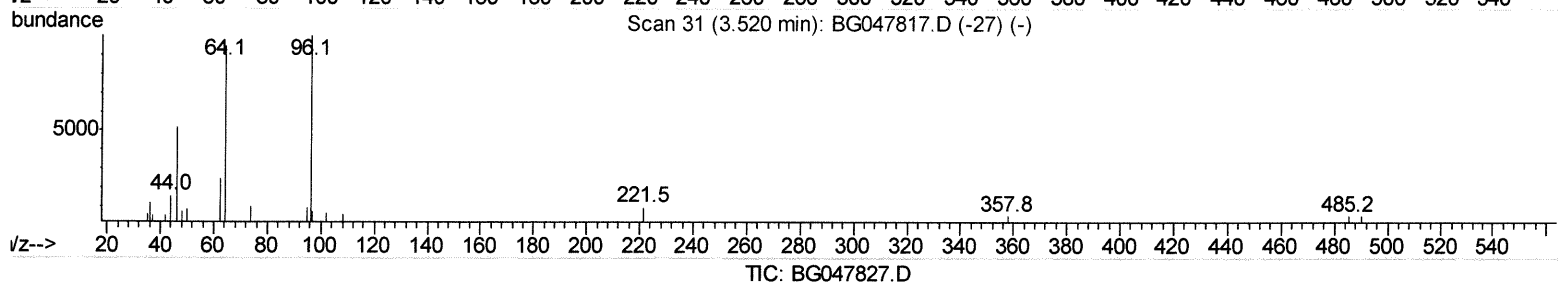
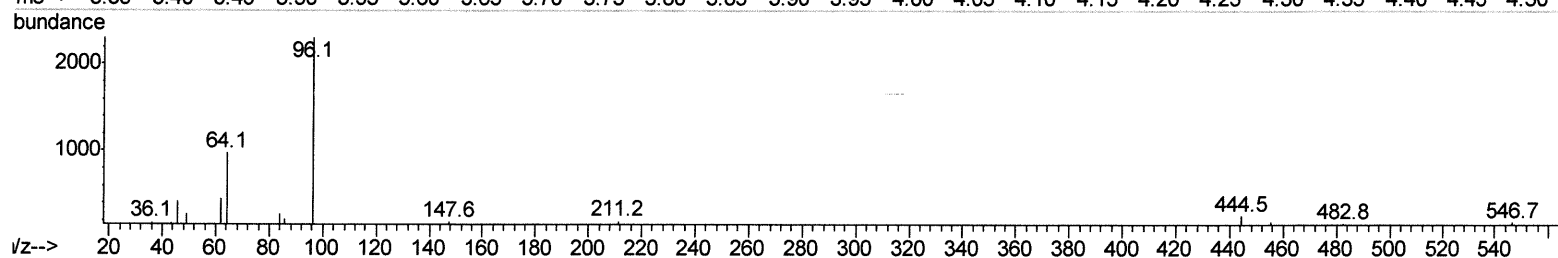
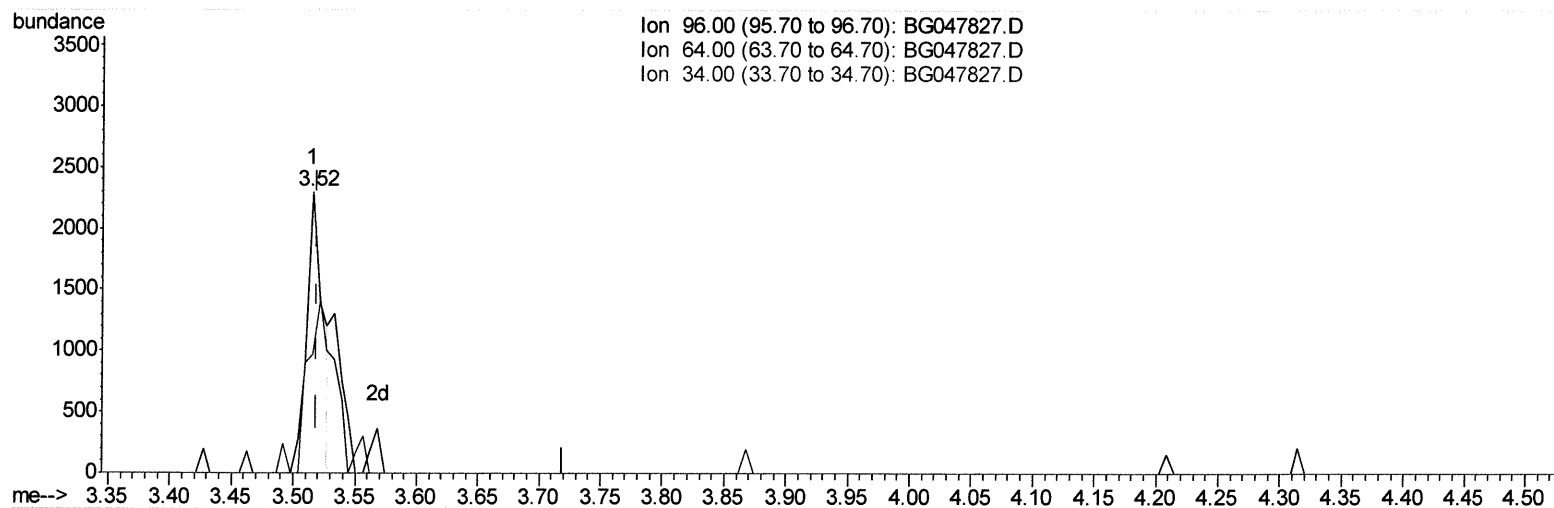
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
Data File : BG047827.D  
Acq On : 24 Dec 2020 11:33  
Operator : CG/JU  
Sample : L5112-12  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
A54P3

Manual Integrations  
APPROVED

mohammad  
12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:10:14 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Dec 23 13:42:29 2020  
Response via : Initial Calibration



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

3.515min (-0.004) 3.75ng/uL

response 2128

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 32.70 | 42.24# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

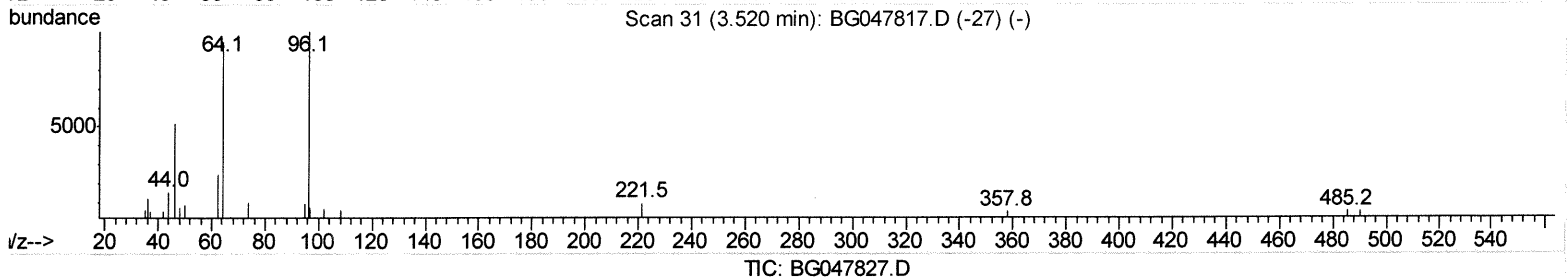
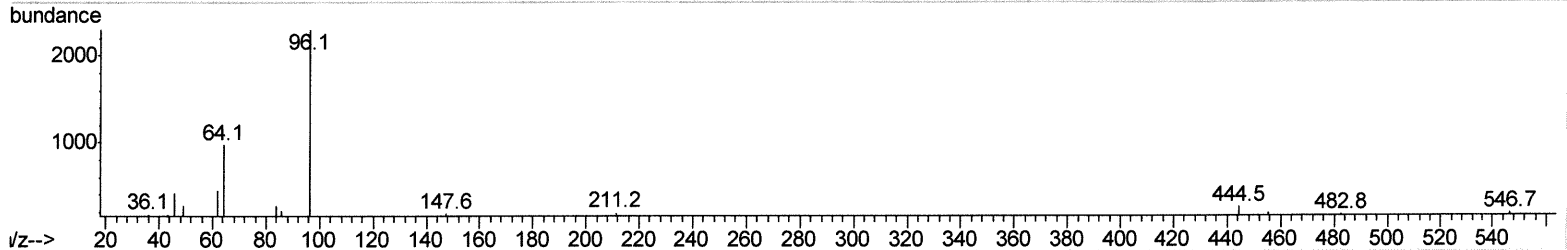
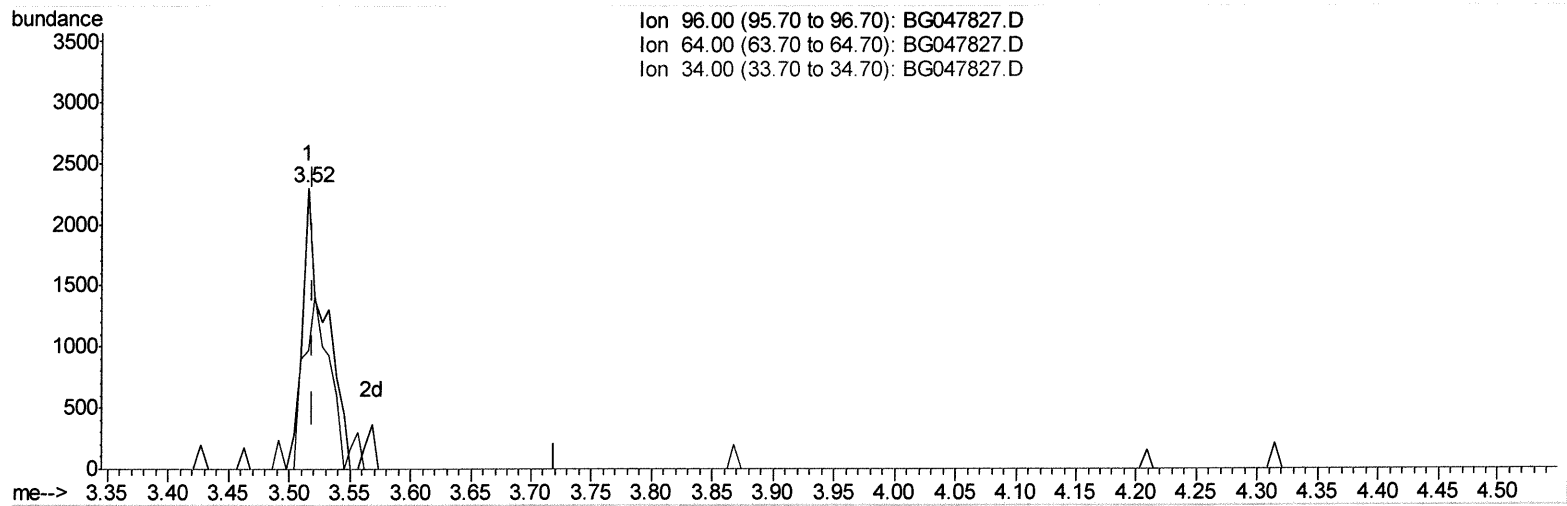
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:10:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration



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

3.515min (-0.004) 5.32ng/uL m

response 3015

*JU 12/31/20*

| Ion   | Exp%  | Act%   |
|-------|-------|--------|
| 96.00 | 100   | 100    |
| 64.00 | 32.70 | 42.24# |
| 34.00 | 0.00  | 0.00   |
| 0.00  | 0.00  | 0.00   |

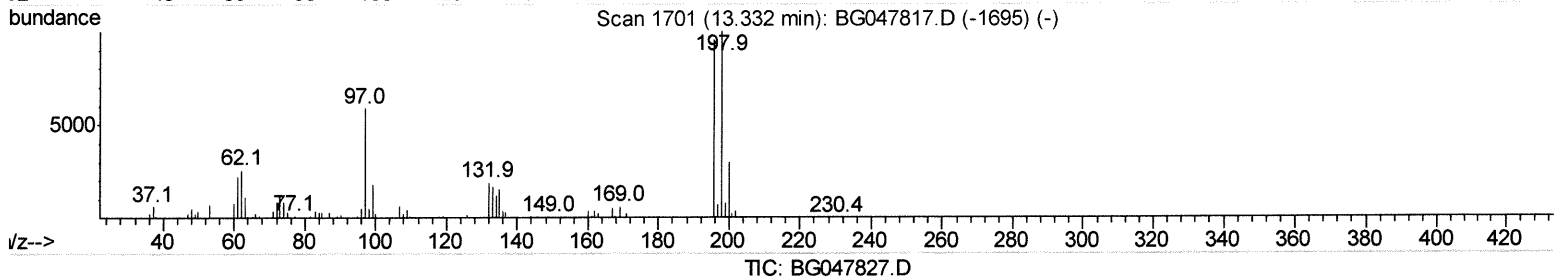
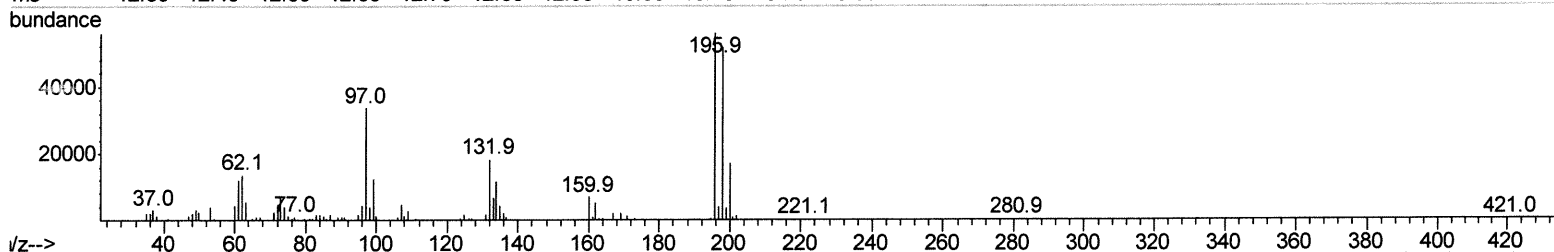
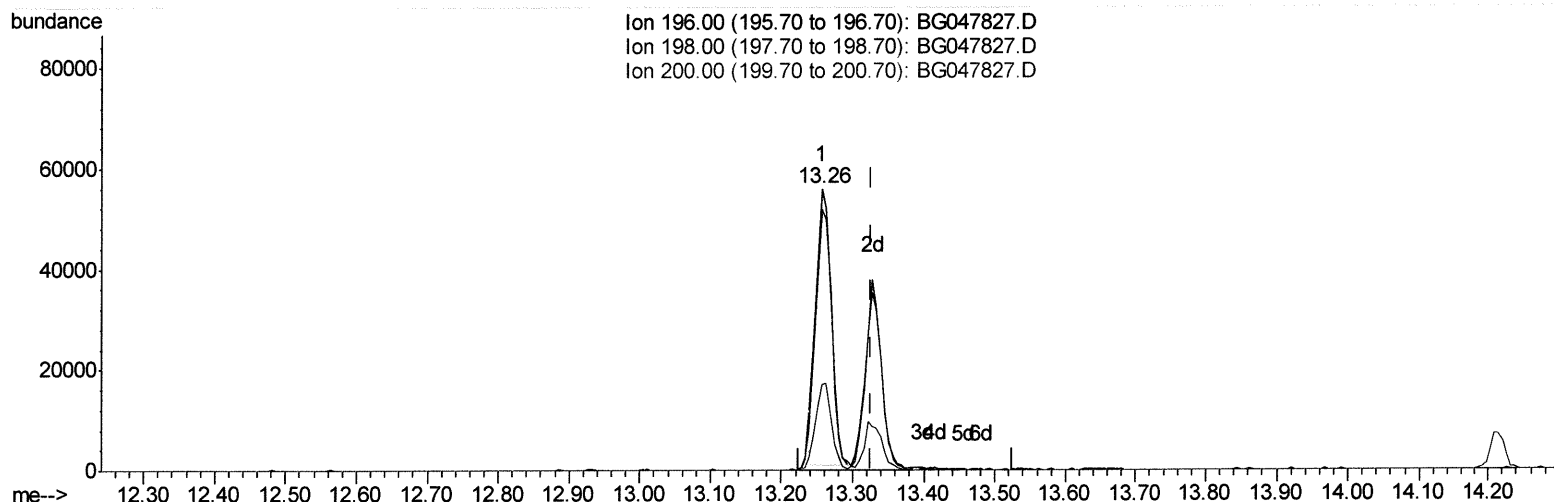
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:10:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration



(40) 2,4,5-Trichlorophenol  
 13.257min (-0.069) 39.51ng/ul  
 response 80136

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 196.00 | 100   | 100   |
| 198.00 | 94.60 | 92.77 |
| 200.00 | 31.30 | 30.58 |
| 0.00   | 0.00  | 0.00  |

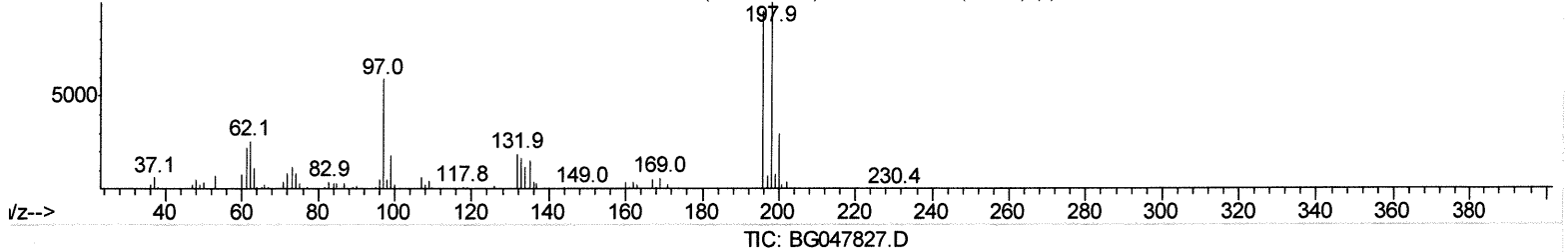
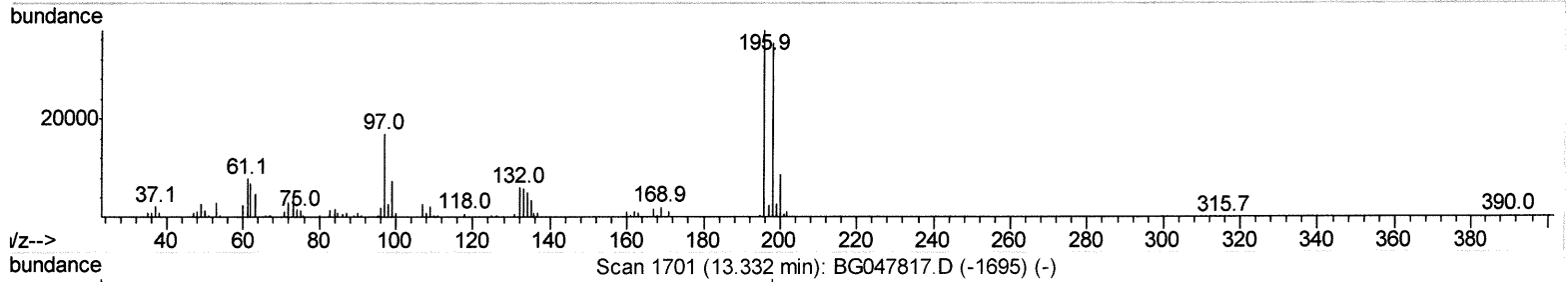
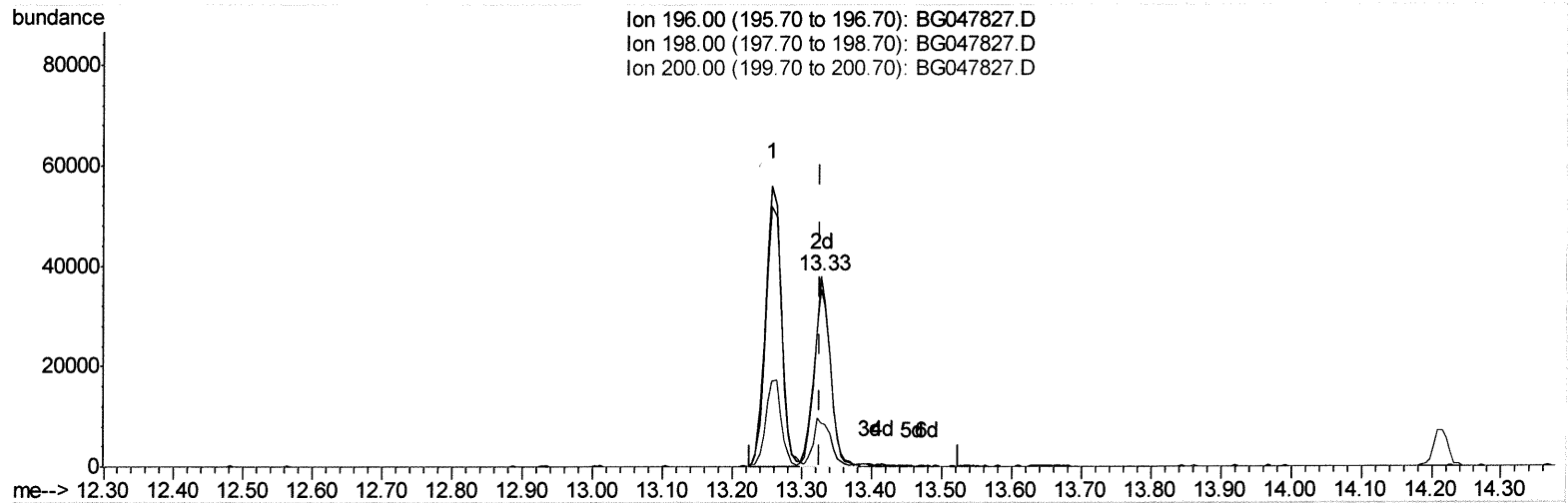
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:10:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration



(40) 2,4,5-Trichlorophenol

13.327min (+0.002) 29.37ng/ul m

response 59577

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 196.00 | 100   | 100    |
| 198.00 | 94.60 | 93.52  |
| 200.00 | 31.30 | 23.03# |
| 0.00   | 0.00  | 0.00   |

*2012/31/20*

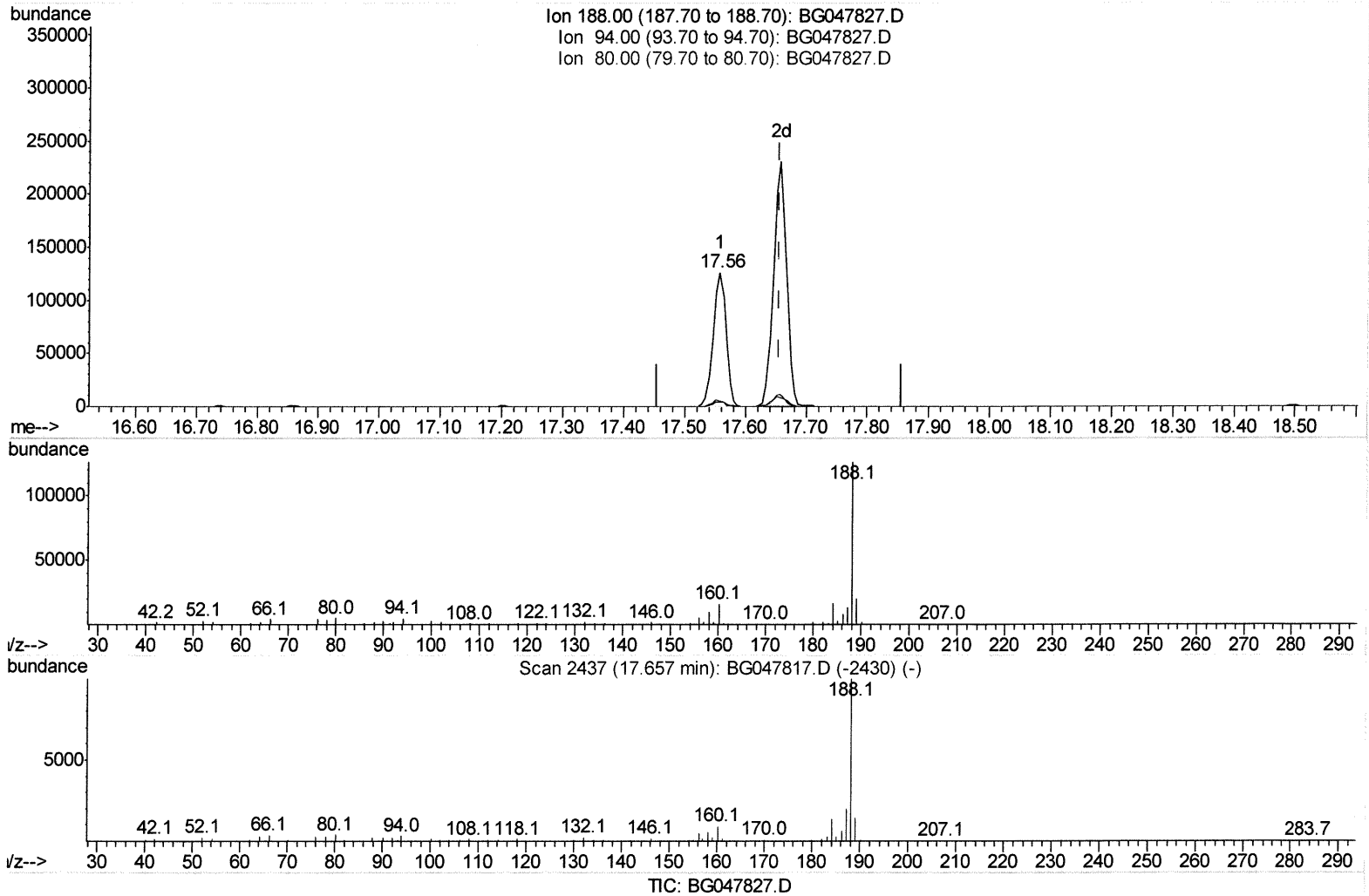
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:10:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration



(71) Anthracene-d10 (S)

17.558min (-0.098) 20.05ng/ul

response 184221

| Ion    | Exp% | Act% |
|--------|------|------|
| 188.00 | 100  | 100  |
| 94.00  | 3.90 | 3.61 |
| 80.00  | 4.00 | 4.04 |
| 0.00   | 0.00 | 0.00 |

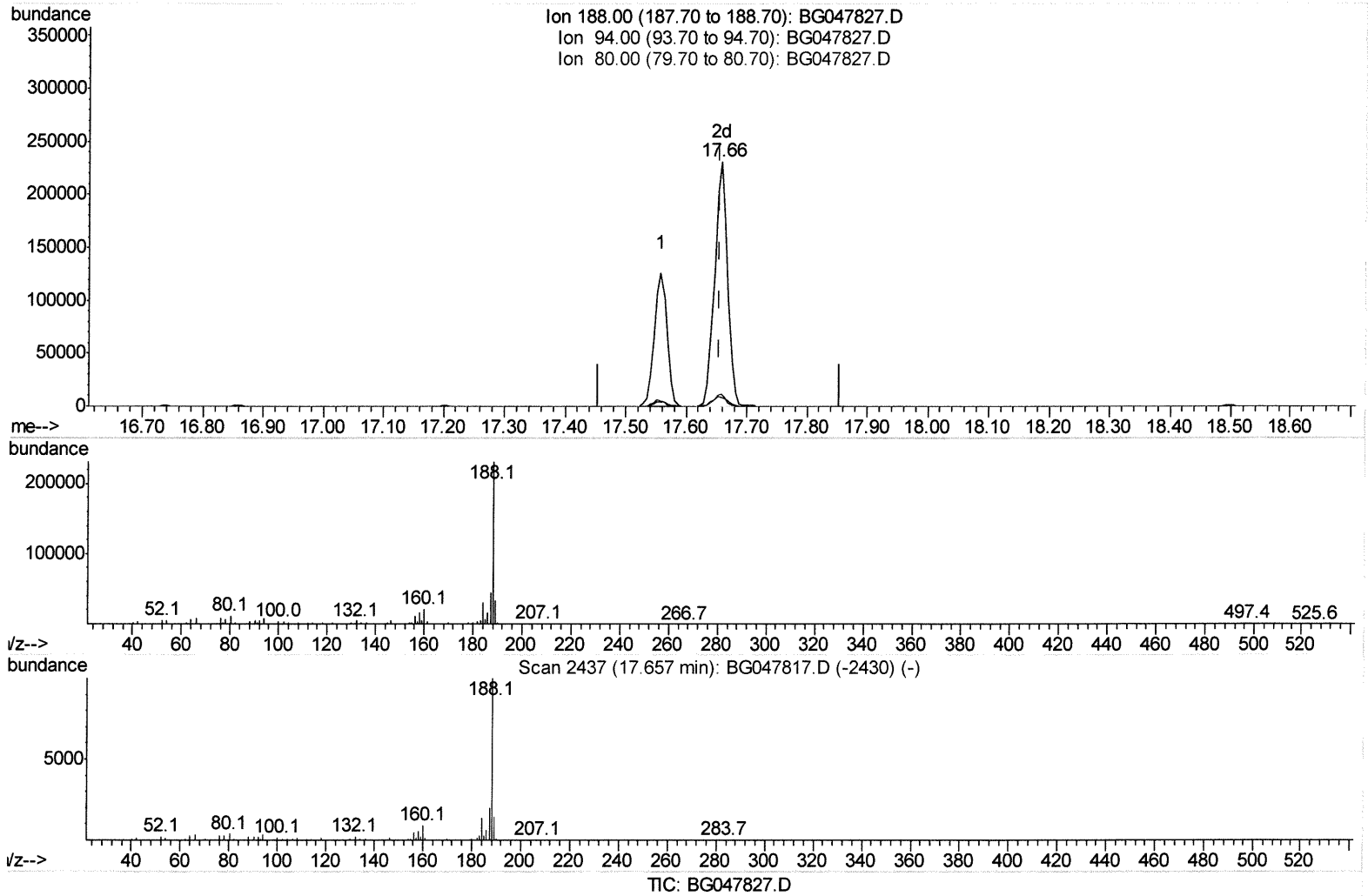
Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:10:14 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration



(71) Anthracene-d10 (S)

17.658min (+0.002) 37.71ng/ul m

response 346504

| Ion    | Exp% | Act%  |
|--------|------|-------|
| 188.00 | 100  | 100   |
| 94.00  | 3.90 | 3.62  |
| 80.00  | 4.00 | 4.88# |
| 0.00   | 0.00 | 0.00  |

*Ju 12/31/20*

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:15:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.20  | 152  | 30193    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.02 | 136  | 107042   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.82 | 164  | 75570    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.56 | 188  | 184221   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.83 | 240  | 182795   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.18 | 264  | 186085   | 20.00 | ng/ul | 0.00     |

#### System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.52  | 96  | 3015m   | 5.32  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.33  | 99  | 70383   | 27.24 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.51  | 67  | 35131   | 26.45 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.72  | 132 | 52943   | 27.01 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.89  | 113 | 50477   | 24.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.37  | 128 | 26739   | 30.64 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.09 | 143 | 32216   | 30.62 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.64 | 165 | 63946   | 27.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.15 | 131 | 68343   | 32.58 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 14.21 | 166 | 217133  | 33.08 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.51 | 160 | 239788  | 31.99 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.99 | 143 | 36693   | 37.69 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.81 | 176 | 196864  | 32.58 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.91 | 200 | 38817   | 31.13 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.66 | 188 | 346504m | 37.71 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.93 | 212 | 408124  | 37.77 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.95 | 264 | 416930  | 38.36 | ng/ul | 0.00 |

#### Target Compounds

|                                |       |     |        |        | Ovalue     |
|--------------------------------|-------|-----|--------|--------|------------|
| 2) 1,4-Dioxane                 | 3.56  | 88  | 11663  | 19.946 | ng/uL# 84  |
| 8) Bis(2-Chloroethyl)ether     | 7.60  | 93  | 62879  | 37.017 | ng/ul 90   |
| 10) 2-Chlorophenol             | 7.76  | 128 | 62015  | 32.142 | ng/ul# 85  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.72  | 45  | 43861  | 27.570 | ng/ul# 92  |
| 15) N-Nitroso-di-n-propylamine | 9.00  | 70  | 31129  | 17.408 | ng/ul# 90  |
| 17) Hexachloroethane           | 9.30  | 117 | 23326  | 24.729 | ng/ul# 67  |
| 20) Nitrobenzene               | 9.41  | 77  | 81401  | 29.474 | ng/ul 95   |
| 25) Bis(2-Chloroethoxy)methane | 10.41 | 93  | 53522  | 24.621 | ng/ul 100  |
| 27) 2,4-Dichlorophenol         | 10.66 | 162 | 58631  | 30.350 | ng/ul 98   |
| 28) Naphthalene                | 11.08 | 128 | 139419 | 23.357 | ng/ul 97   |
| 31) Hexachlorobutadiene        | 11.36 | 225 | 40933  | 19.404 | ng/ul# 91  |
| 37) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 41603  | 13.853 | ng/ul 99   |
| 38) Hexachlorocyclopentadiene  | 13.01 | 237 | 38551  | 18.384 | ng/ul 94   |
| 39) 2,4,6-Trichlorophenol      | 13.26 | 196 | 88525  | 45.143 | ng/ul# 90  |
| 40) 2,4,5-Trichlorophenol      | 13.33 | 196 | 59577m | 29.372 | ng/ul > 96 |
| 42) 2-Chloronaphthalene        | 13.70 | 162 | 119035 | 25.844 | ng/ul 96   |
| 45) Dimethylphthalate          | 14.26 | 163 | 210928 | 31.722 | ng/ul 99   |
| 46) 2,6-Dinitrotoluene         | 14.38 | 165 | 25795  | 18.134 | ng/ul 95   |
| 48) Acenaphthylene             | 14.54 | 152 | 155018 | 22.290 | ng/ul 96   |
| 50) Acenaphthene               | 14.88 | 153 | 93478  | 19.017 | ng/ul 98   |
| 54) Dibenzofuran               | 15.21 | 168 | 158574 | 22.110 | ng/ul 95   |
| 55) 2,4-Dinitrotoluene         | 15.17 | 165 | 32703  | 16.294 | ng/ul# 89  |
| 57) Diethylphthalate           | 15.61 | 149 | 170187 | 26.223 | ng/ul 96   |

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG122320\  
 Data File : BG047827.D  
 Acq On : 24 Dec 2020 11:33  
 Operator : CG/JU  
 Sample : L5112-12  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 A54P3

Manual Integrations  
 APPROVED

mohammad  
 12/28/2020 1:36:10 PM

Quant Time: Dec 24 12:15:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG120720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 23 13:42:29 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 59) Fluorene                   | 15.87 | 166  | 143472   | 23.396 | ng/ul  | 91       |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204  | 52616    | 13.729 | ng/ul  | 97       |
| 66) 4-Bromophenyl-phenylether  | 16.74 | 248  | 56996    | 23.991 | ng/ul  | 94       |
| 67) Hexachlorobenzene          | 16.86 | 284  | 44391    | 17.133 | ng/ul  | 94       |
| 69) Pentachlorophenol          | 17.21 | 266  | 52552    | 46.911 | ng/ul  | 94       |
| 72) Anthracene                 | 17.69 | 178  | 400673   | 40.258 | ng/ul  | 98       |
| 75) Carbazole                  | 17.96 | 167  | 302304   | 38.088 | ng/ul  | 98       |
| 76) Di-n-butylphthalate        | 18.49 | 149  | 316026   | 31.169 | ng/ul  | 97       |
| 81) Butylbenzylphthalate       | 20.82 | 149  | 157429   | 35.590 | ng/ul  | 97       |
| 83) Benzo(a)anthracene         | 21.81 | 228  | 390964   | 29.937 | ng/ul  | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 134087   | 21.598 | ng/ul  | 94       |
| 87) Di-n-octyl phthalate       | 22.94 | 149  | 429890   | 43.835 | ng/ul  | 100      |
| 88) Benzo(b)fluoranthene       | 24.11 | 252  | 205268   | 15.802 | ng/ul  | 97       |
| 89) Benzo(k)fluoranthene       | 24.19 | 252  | 552396   | 42.909 | ng/ul# | 99       |
| 94) Benzo(a,h,i)perylene       | 30.21 | 276  | 317077   | 27.035 | ng/ul  | 100      |

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