Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM123019\
Data File : BM024384.D
Acq On : 30 Dec 2019 21:45
Operator : JU
Sample : K6356-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C0D38

Manual Integrations APPROVED
mohammad
12/31/2019 12:12:03 PM

Quant Time: Dec 31 04:12:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 31 03:12:42 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.40 | 152 | 216084 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.17 | 136 | 867771 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.07 | 164 | 498109 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.83 | 188 | 1022891 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.05 | 240 | 990488 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.17 | 264 | 1205193 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.99 | 96 | 28053 | 5.74 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.62 | 99 | 99605 | 4.87 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.76 | 67 | 347538 | 28.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.95 | 132 | 317254 | 21.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.13 | 113 | 196575 | 11.75 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.56 | 128 | 191247 | 30.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.28 | 143 | 211780 | 30.89 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.82 | 165 | 347985 | 26.11 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.35 | 131 | 21560 | 1.33 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6 | 13.50 | 166 | 1215247 | 32.99 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.76 | 160 | 1432793 | 32.46 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.37 | 143 | 23801m | 3.60 | ng/ul | 0.04 |
| 58) Fluorene-d10 | 15.07 | 176 | 1048045 | 32.46 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 154596 | 24.77 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.93 | 188 | 1608615 | 34.56 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.24 | 212 | 1758423 | 37.27 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.04 | 264 | 2105089 | 35.16 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 20) Nitrobenzene | 8.60 | 77 | 1923500 | 110.976 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.31 | 139 | 13577 | 1.799 | ng/ul | 93 |
| 45) Dimethylphthalate | 13.55 | 163 | 117293 | 3.064 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.86 | 216 | 66572 | 5.186 | ng/uL | 97 |

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

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**Instrument :**
BNA_M
**ClientSampleId :**
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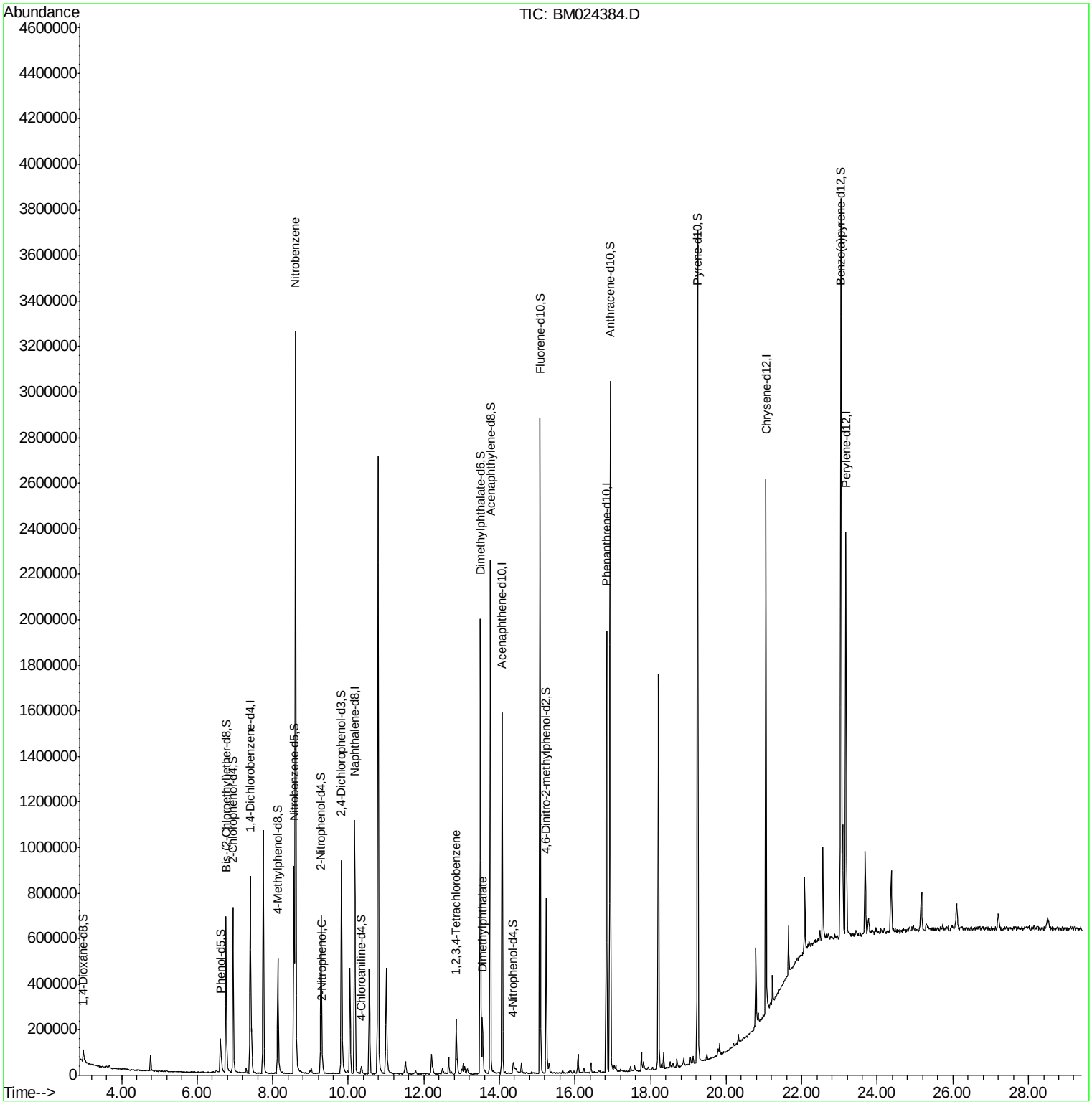
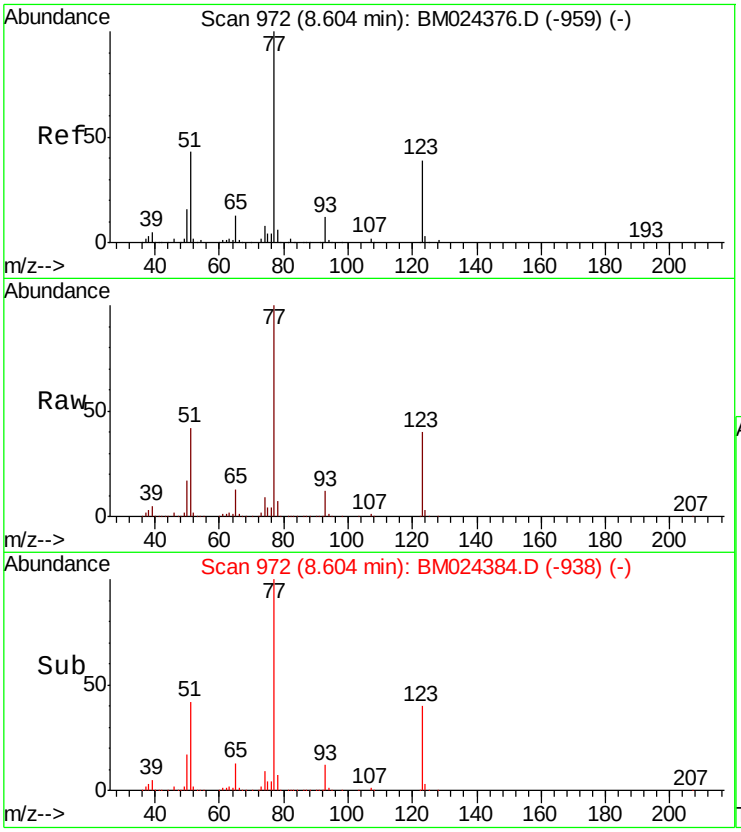
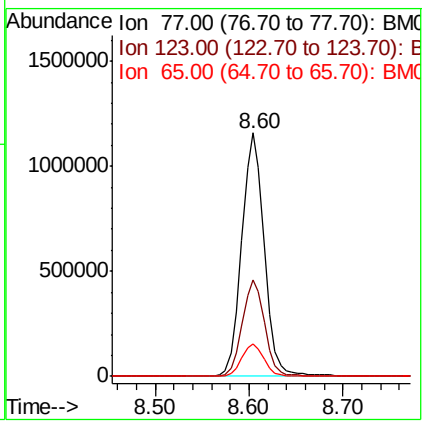





#20
Nitrobenzene
Concen: 110.976 ng/ul
RT: 8.60 min Scan# 972
Delta R.T. 0.00 min
Lab File: BM024384.D
Acq: 30 Dec 2019 21:45

Tgt Ion: 77 Resp: 1923500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 39.8 | 32.6 | 49.0 |
| 65 | 13.3 | 9.9 | 14.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0D38

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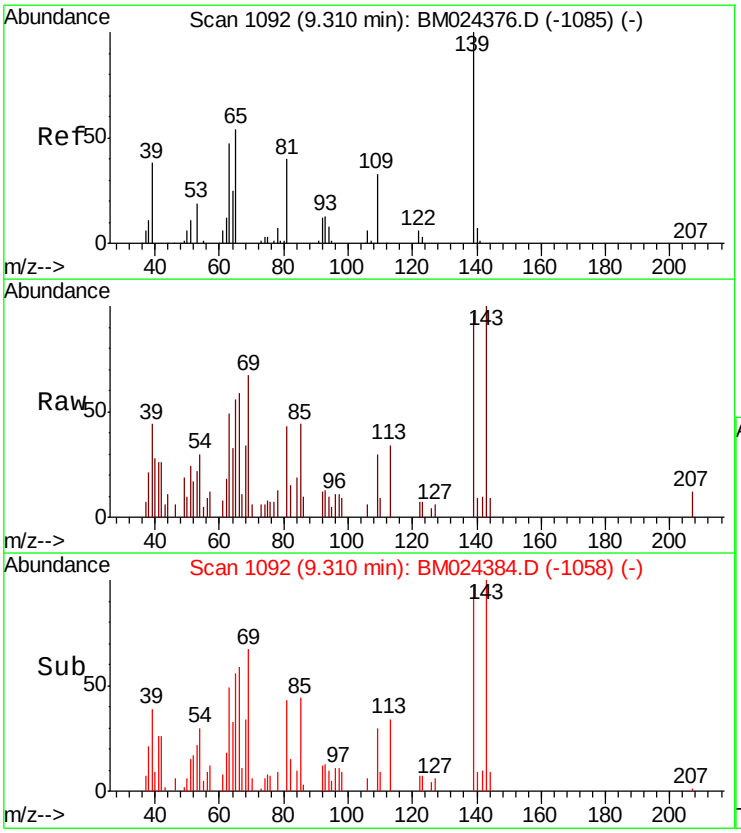
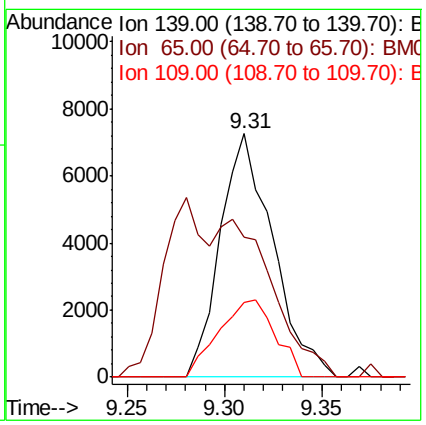
12/31/2019 12:12:03 PM

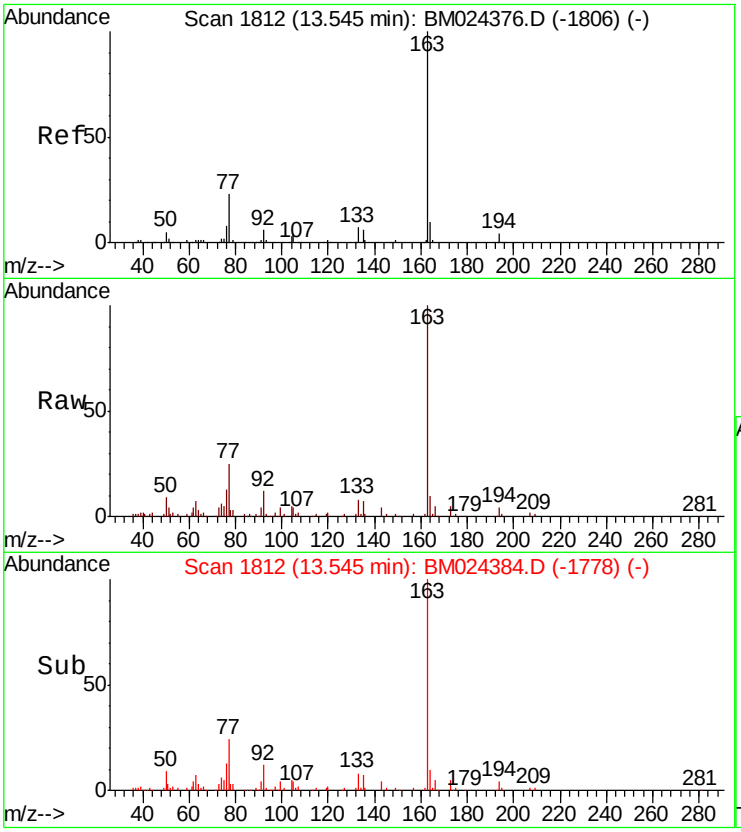



#23
2-Nitrophenol
Concen: 1.799 ng/ul
RT: 9.31 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BM024384.D
Acq: 30 Dec 2019 21:45

Tgt Ion:139 Resp: 13577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 65 | 57.5 | 40.2 | 60.2 |
| 109 | 30.5 | 24.6 | 37.0 |






#45
Dimethylphthalate
Concen: 3.064 ng/ul
RT: 13.55 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM024384.D
Acq: 30 Dec 2019 21:45

Tgt Ion:163 Resp: 117293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.2 | 4.8 |
| 164 | 9.9 | 7.8 | 11.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0D38

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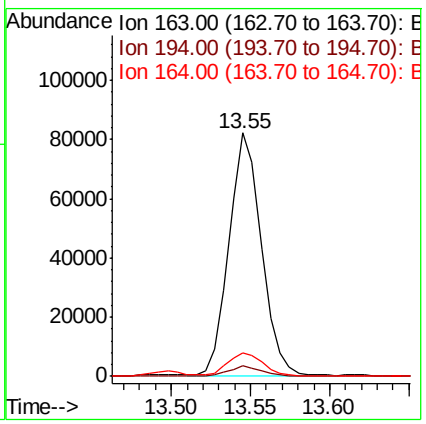


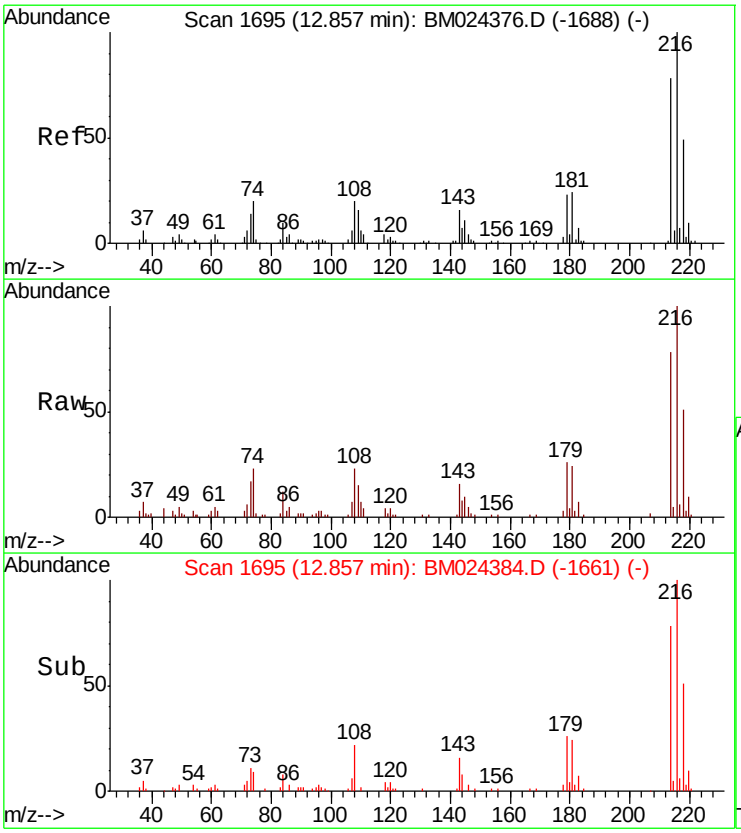


#73
1,2,3,4-Tetrachlorobenzene
Concen: 5.186 ng/uL
RT: 12.86 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BM024384.D
Acq: 30 Dec 2019 21:45

Tgt Ion:216 Resp: 66572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 216 | 100 | | |
| 214 | 77.8 | 61.2 | 91.8 |
| 218 | 50.7 | 38.0 | 57.0 |