Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM103119\

Quantitation Report (Not Reviewed)

Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0003

Quant Time: Nov 01 07:15:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 01 07:12:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 407138 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.39 | 136 | 1643186 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.26 | 164 | 991684 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.01 | 188 | 2114805 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.22 | 240 | 2219388 | 20.00 | ng/ul | 0.01 |
| 86) Perylene-d12 | 23.41 | 264 | 2669351 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.15 | 96 | 34378 | 4.01 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.79 | 99 | 662351 | 19.37 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 432683 | 21.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.15 | 132 | 543353 | 20.33 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.32 | 113 | 481480 | 17.34 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.76 | 128 | 265194 | 21.44 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.48 | 143 | 278998 | 20.33 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 515325 | 19.10 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.53 | 131 | 330419 | 10.65 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.68 | 166 | 1617491 | 21.48 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.95 | 160 | 1913497 | 22.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.47 | 143 | 151062 | 11.58 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.26 | 176 | 1429330 | 22.41 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 143240 | 10.88 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.11 | 188 | 2202663 | 22.04 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.42 | 212 | 2571971 | 21.07 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.28 | 264 | 3133378 | 23.04 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.82 | 94 | 74461 | 2.115 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 7.06 | 93 | 383507 | 13.967 | ng/ul# | 23 |
| 45) Dimethylphthalate | 13.73 | 163 | 704853 | 9.322 | ng/ul | 100 |
| 48) Acenaphthylene | 13.98 | 152 | 2039956 | 22.812 | ng/ul | 99 |
| 50) Acenaphthene | 14.32 | 153 | 227034 | 3.609 | ng/ul | 99 |
| 54) Dibenzofuran | 14.66 | 168 | 469957 | 5.217 | ng/ul | 98 |
| 59) Fluorene | 15.31 | 166 | 393257 | 5.354 | ng/ul# | 98 |
| 70) Phenanthrene | 17.14 | 178 | 5322128 | 45.032 | ng/ul | 99 |
| 72) Anthracene | 17.14 | 178 | 5330020 | 44.512 | ng/ul | 99 |
| 75) Carbazole | 17.41 | 167 | 2023448 | 20.045 | ng/ul | 99 |
| 77) Fluoranthene | 19.23 | 202 | 1490951 | 12.094 | ng/ul | 100 |
| 83) Benzo(a)anthracene | 21.25 | 228 | 2196846 | 14.800 | ng/ul# | 70 |
| 85) Chrysene | 21.25 | 228 | 2196846 | 16.040 | ng/ul# | 75 |
| 88) Benzo(b)fluoranthene | 22.67 | 252 | 251785 | 1.469 | ng/ul# | 1 |
| 89) Benzo(k)fluoranthene | 22.93 | 252 | 5008417 | 31.111 | ng/ul# | 91 |
| 91) Benzo(a)pyrene | 23.23 | 252 | 18330517 | 118.102 | ng/ul# | 92 |
| 92) Indeno(1,2,3-cd)pyrene | 25.64 | 276 | 22476987 | 133.747 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 25.63 | 278 | 5141141 | 36.281 | ng/ul# | 85 |
| 94) Benzo(g,h,i)perylene | 26.31 | 276 | 20614629 | 150.769 | ng/ul | 98 |

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

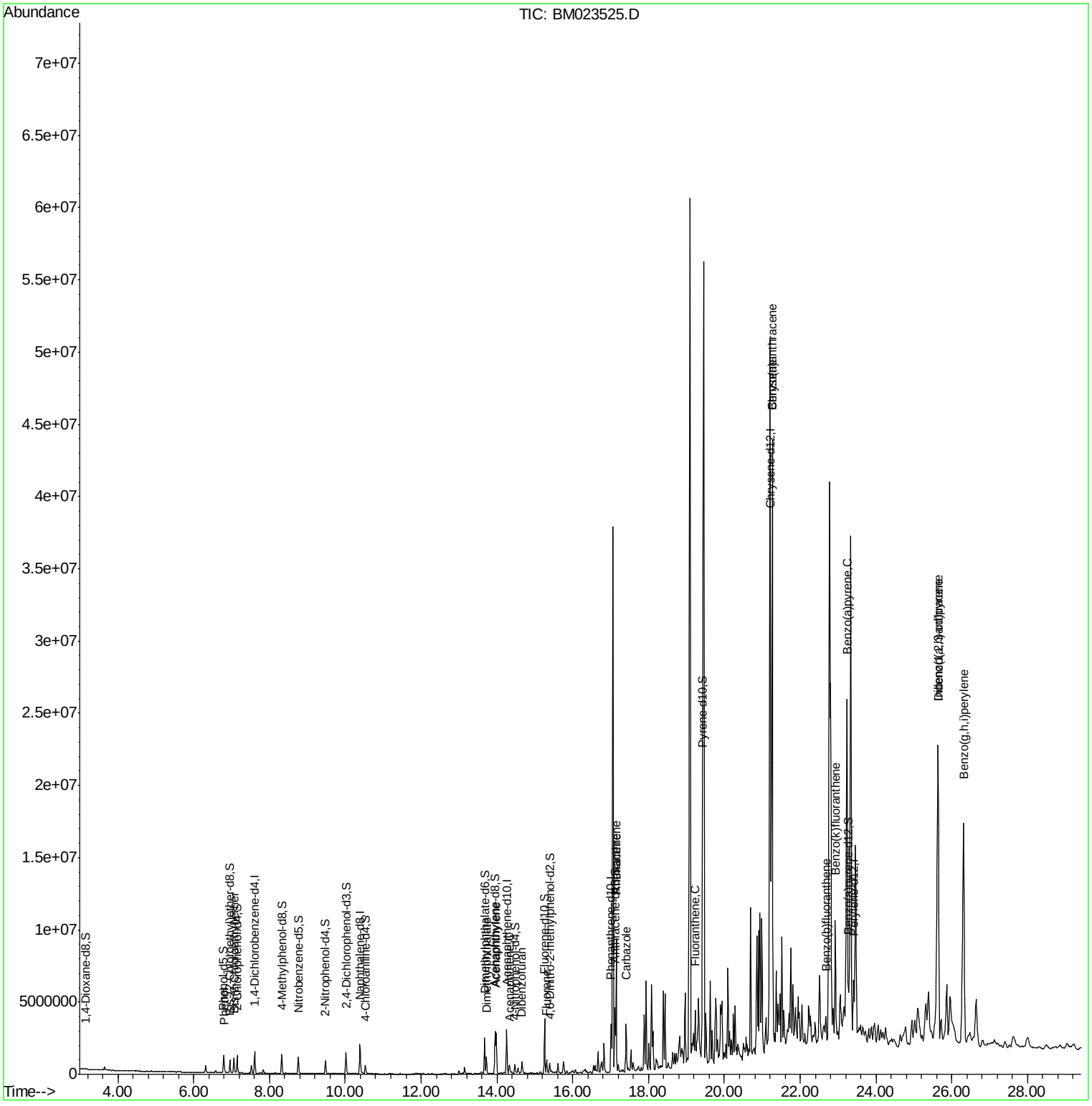
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM103119\

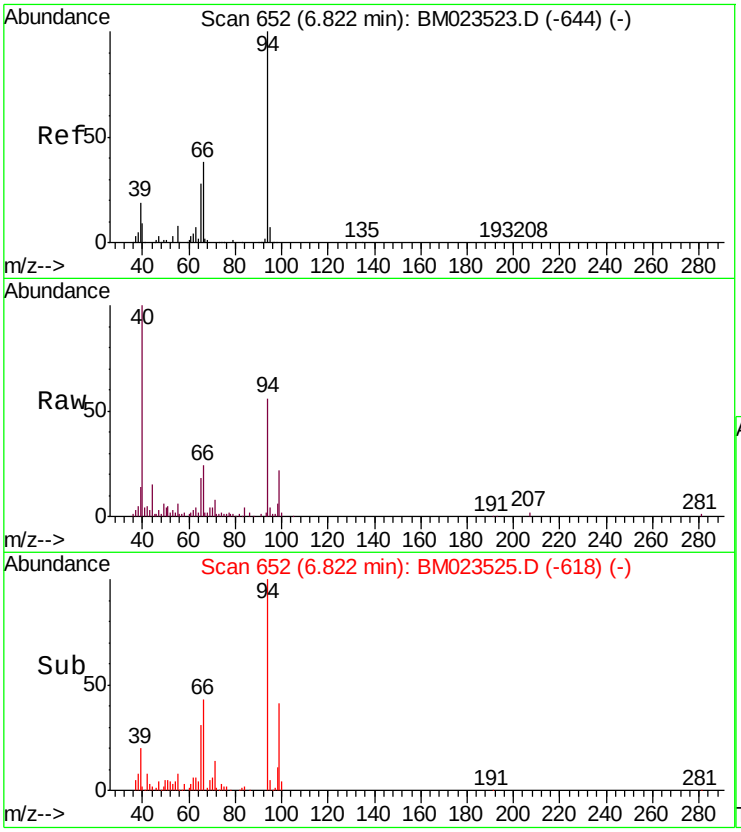
Quantitation Report (Not Reviewed)

Data File : BM023525.D
Acq On : 31 Oct 2019 18:27
Operator : JU
Sample : K5395-10
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0003

Quant Time: Nov 01 07:15:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Nov 01 07:12:43 2019
Response via : Initial Calibration



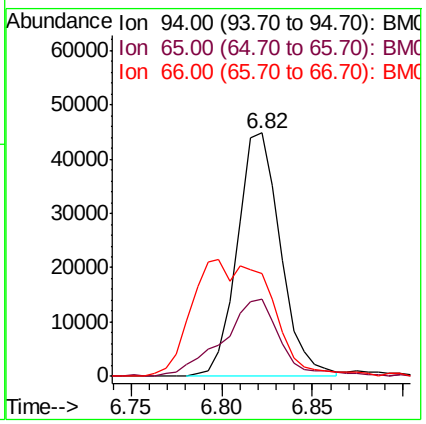


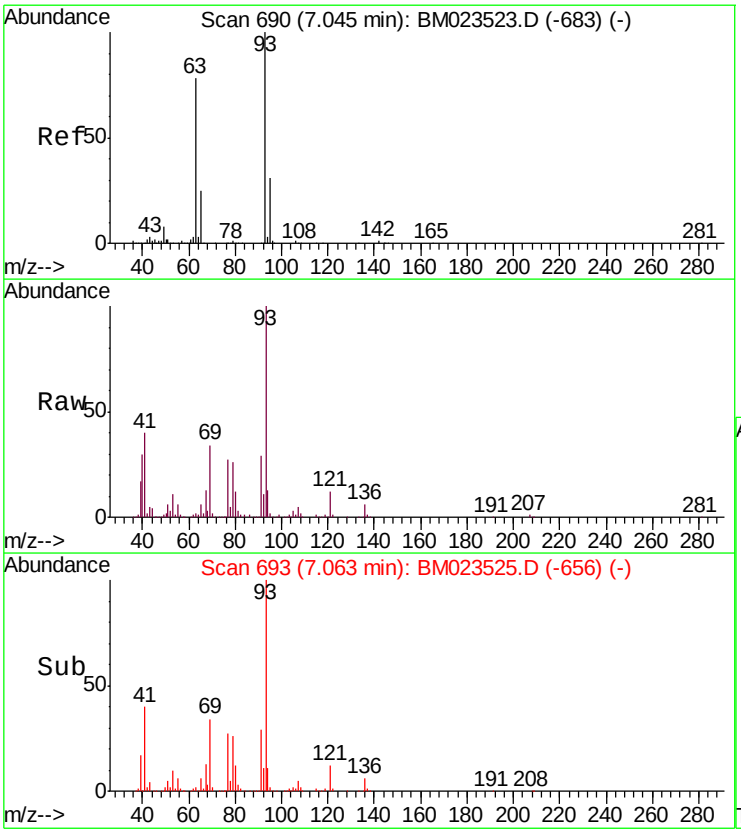

#6
Phenol
Concen: 2.115 ng/ul
RT: 6.82 min Scan# 652
Delta R.T. -0.00 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion: 94 Resp: 74461

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.6 | 22.9 | 34.3 |
| 66 | 42.1 | 31.4 | 47.2 |

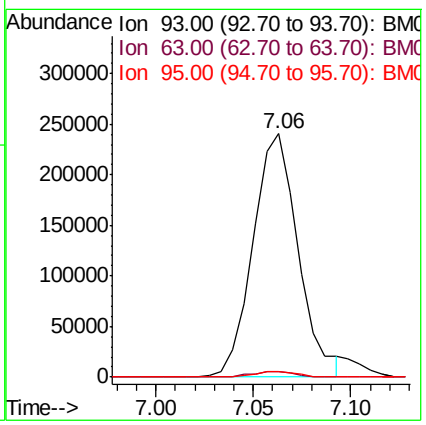


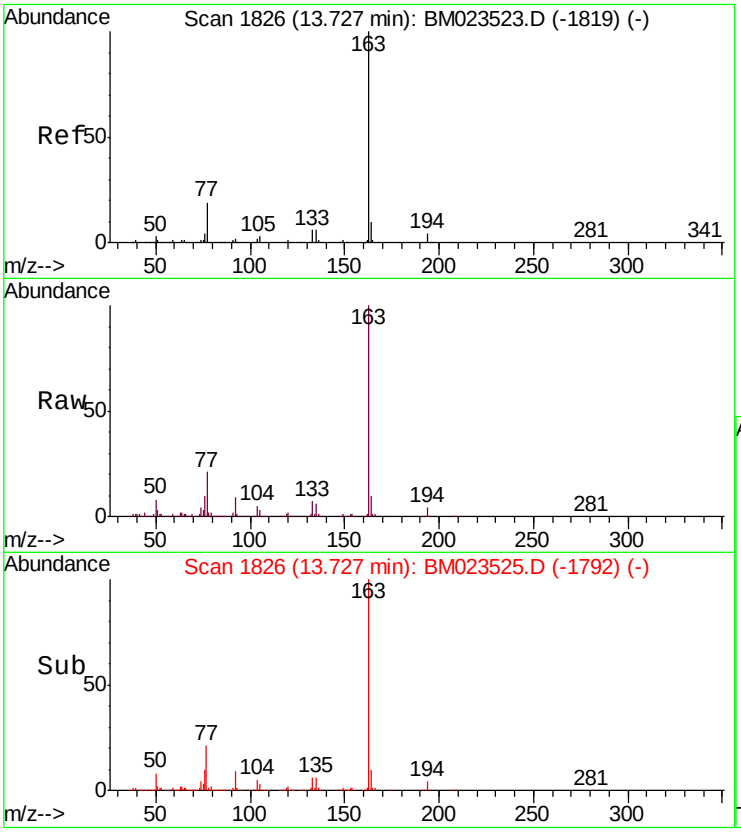




#8
Bis(2-Chloroethyl)ether
Concen: 13.967 ng/ul
RT: 7.06 min Scan# 693
Delta R.T. 0.02 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion: 93 Resp: 383507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 2.2 | 61.4 | 92.0# |
| 95 | 2.4 | 26.1 | 39.1# |



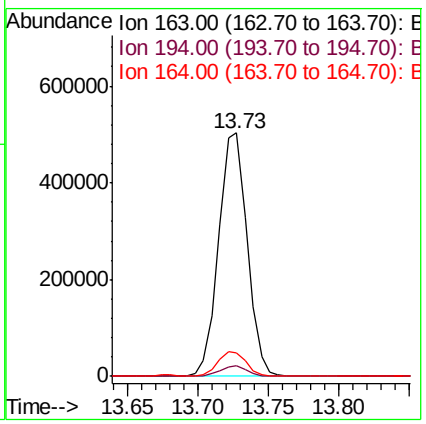


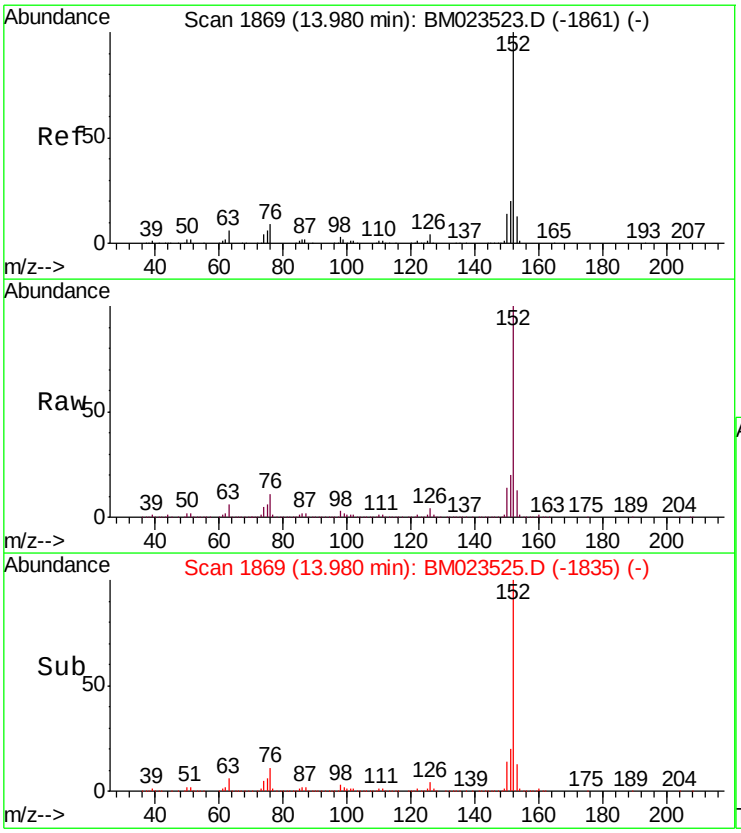

#45
Dimethylphthalate
Concen: 9.322 ng/ul
RT: 13.73 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:163 Resp: 704853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.3 | 4.9 |
| 164 | 9.7 | 7.9 | 11.9 |

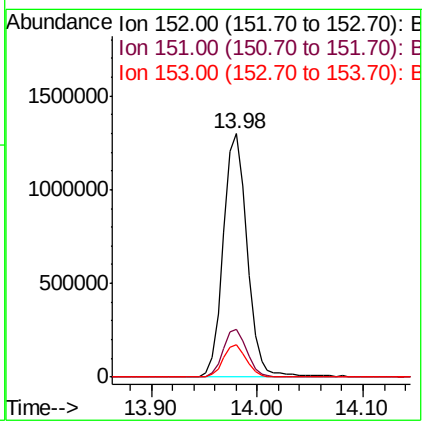


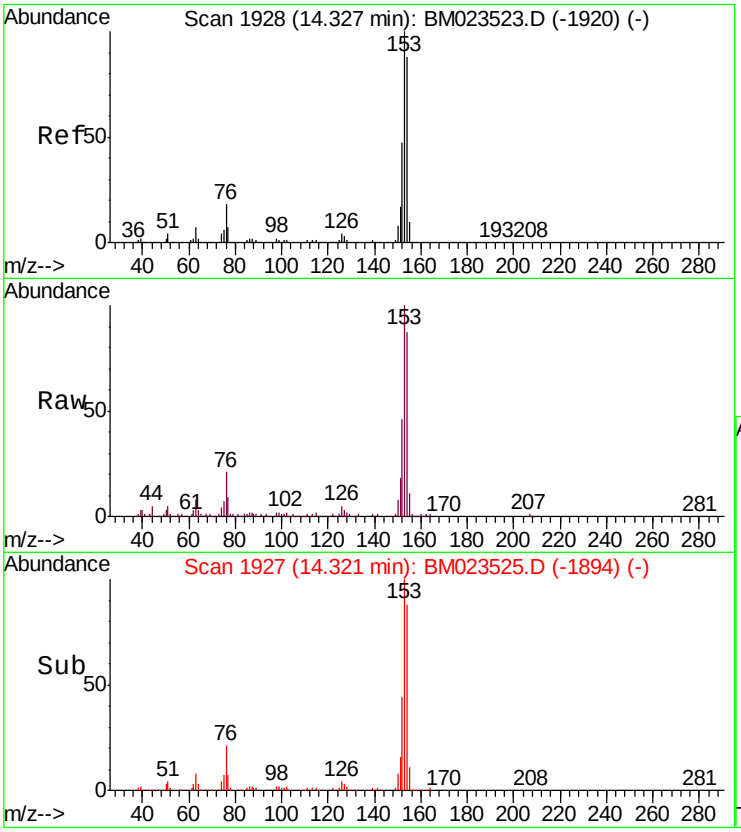




#48
Acenaphthylene
Concen: 22.812 ng/ul
RT: 13.98 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:152 Resp: 2039956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.2 | 24.2 |
| 153 | 13.3 | 10.4 | 15.6 |



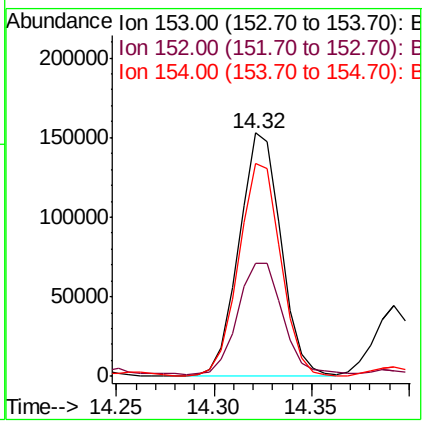


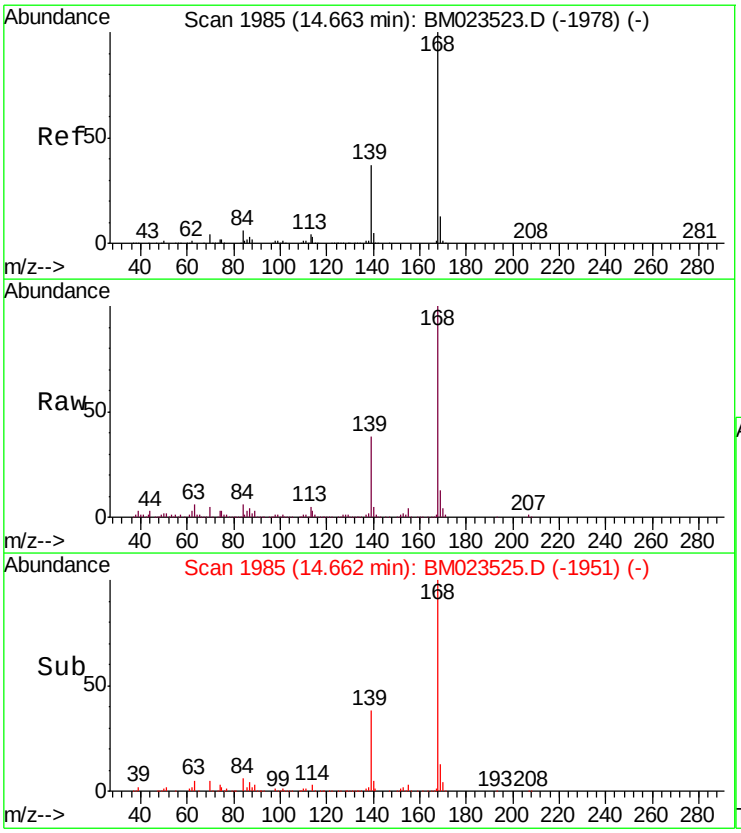

#50
Acenaphthene
Concen: 3.609 ng/ul
RT: 14.32 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:153 Resp: 227034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 46.2 | 37.9 | 56.9 |
| 154 | 87.4 | 70.6 | 106.0 |

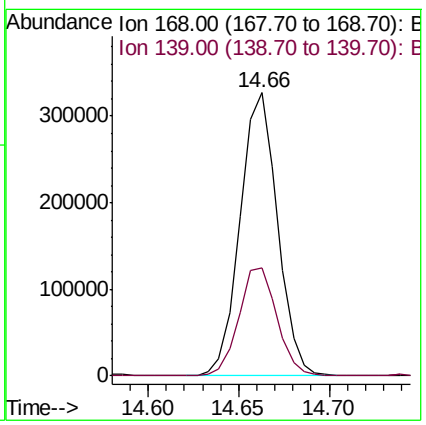


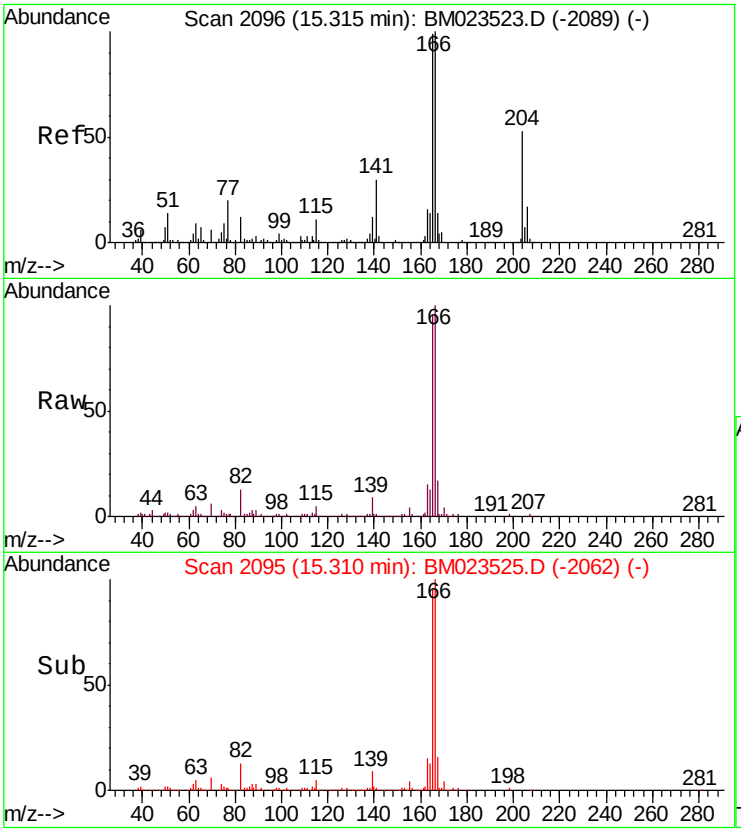




#54
Dibenzofuran
Concen: 5.217 ng/ul
RT: 14.66 min Scan# 1985
Delta R.T. -0.00 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:168 Resp: 469957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.0 | 29.7 | 44.5 |



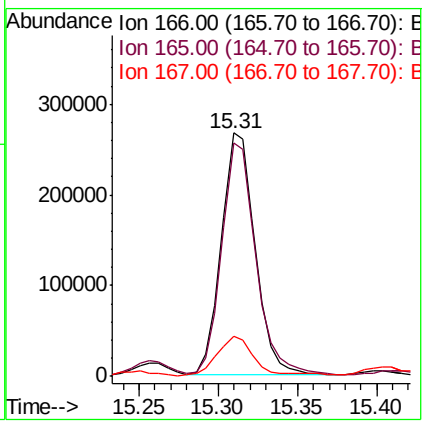


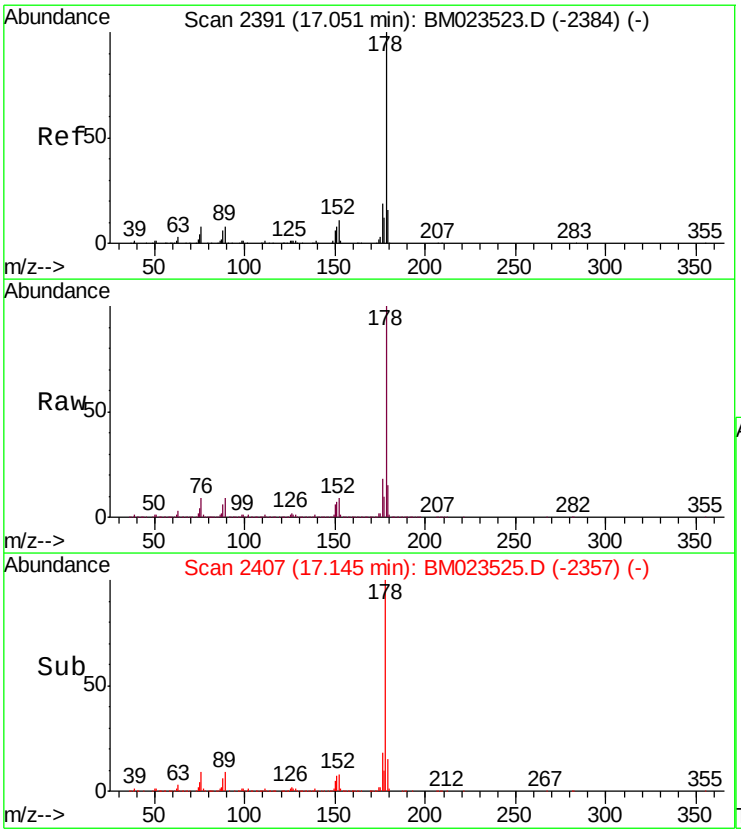

#59
Fluorene
Concen: 5.354 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:166 Resp: 393257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.0 | 77.8 | 116.6 |
| 167 | 16.6 | 10.8 | 16.2# |

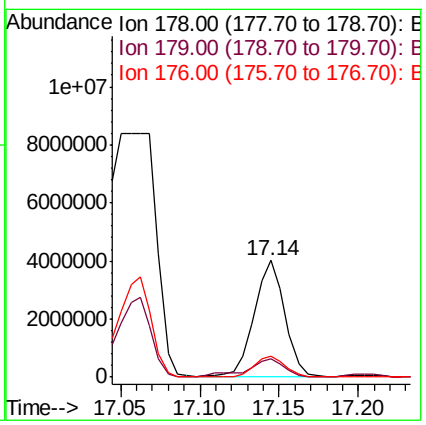


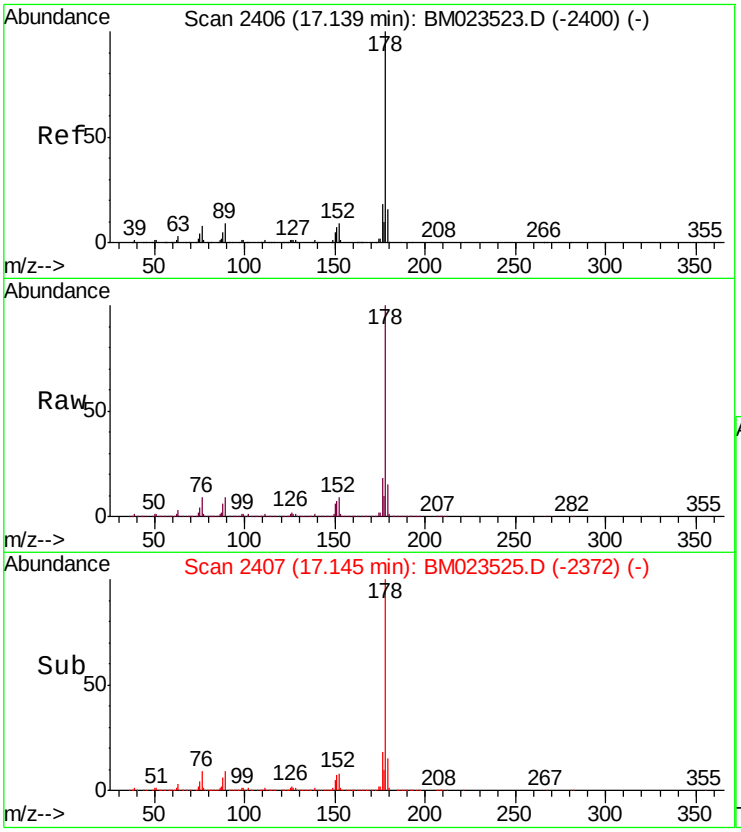




#70
Phenanthrene
Concen: 45.032 ng/ul
RT: 17.14 min Scan# 2407
Delta R.T. 0.09 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:178 Resp: 5322128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.2 | 18.2 |
| 176 | 18.4 | 14.9 | 22.3 |



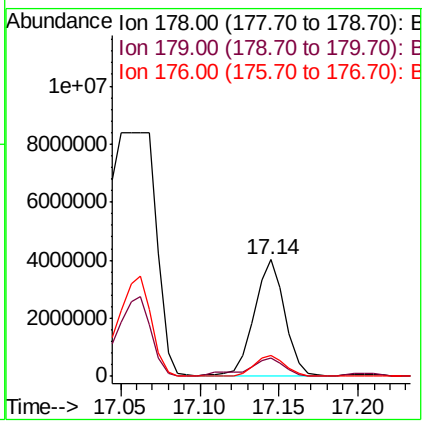


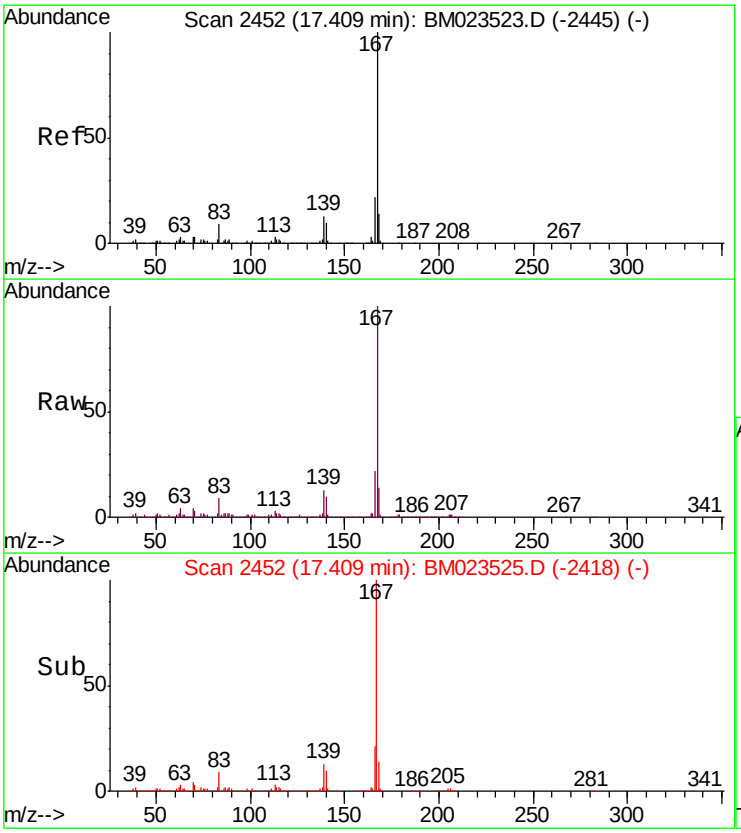

#72
Anthracene
Concen: 44.512 ng/ul
RT: 17.14 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:178 Resp: 5330020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.1 | 18.1 |
| 176 | 18.4 | 14.4 | 21.6 |

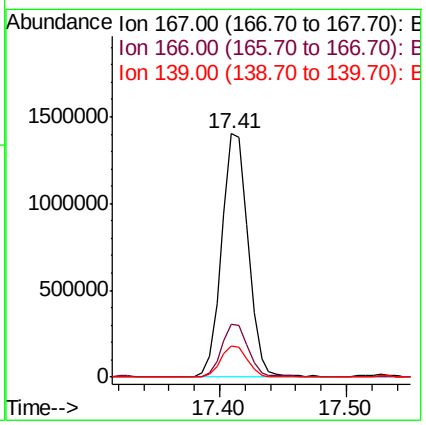


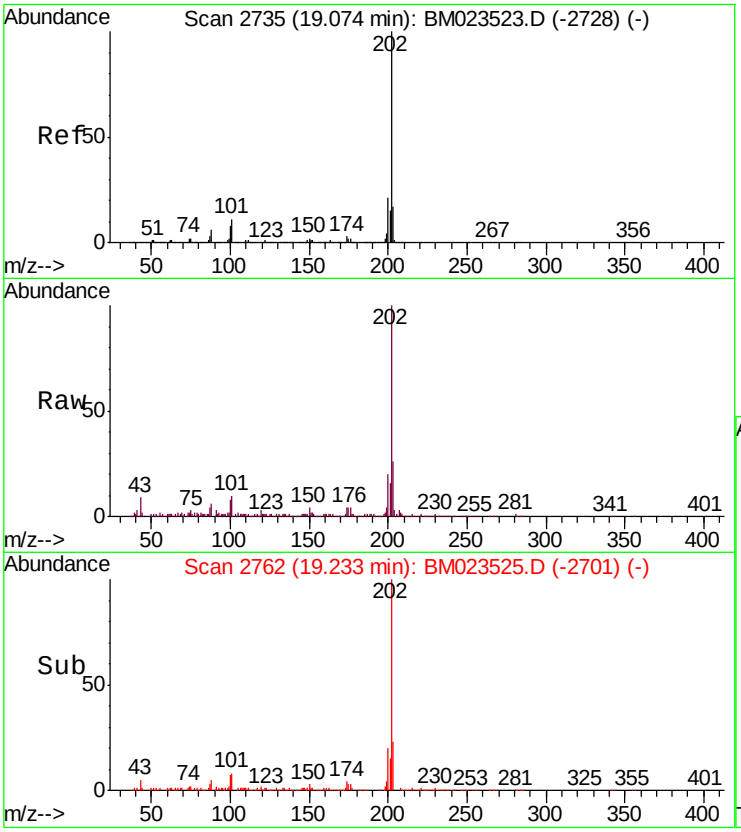




#75
Carbazole
Concen: 20.045 ng/ul
RT: 17.41 min Scan# 2452
Delta R.T. -0.00 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:167 Resp: 2023448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 17.1 | 25.7 |
| 139 | 13.1 | 10.0 | 15.0 |



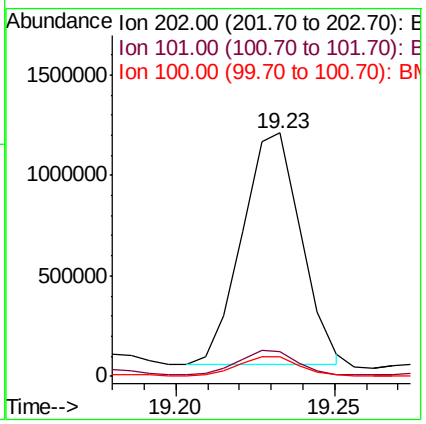


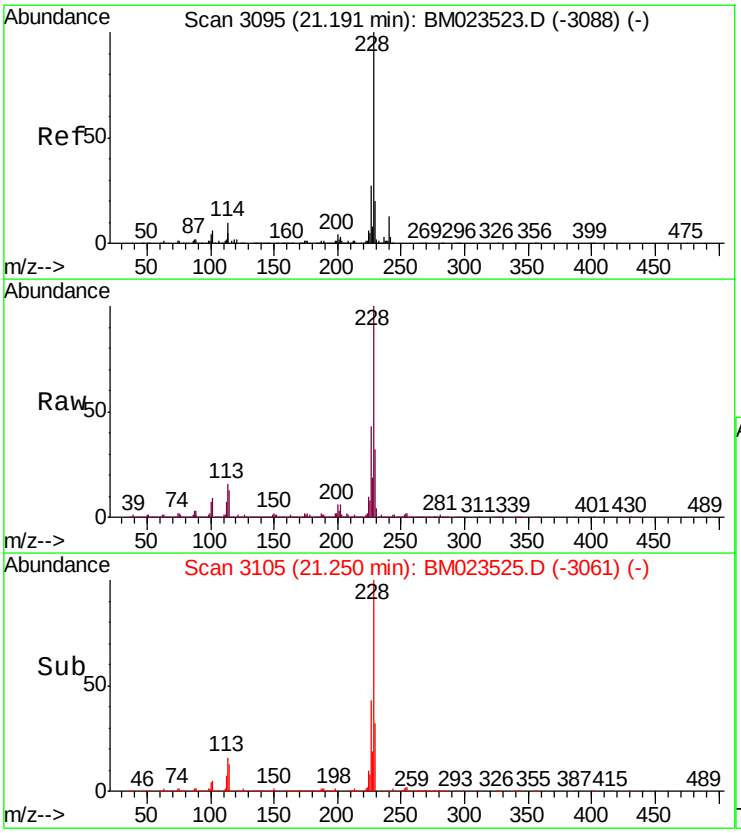

#77
Fluoranthene
Concen: 12.094 ng/ul
RT: 19.23 min Scan# 2762
Delta R.T. 0.16 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:202 Resp: 1490951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 8.1 | 12.1 |
| 100 | 7.8 | 6.2 | 9.2 |

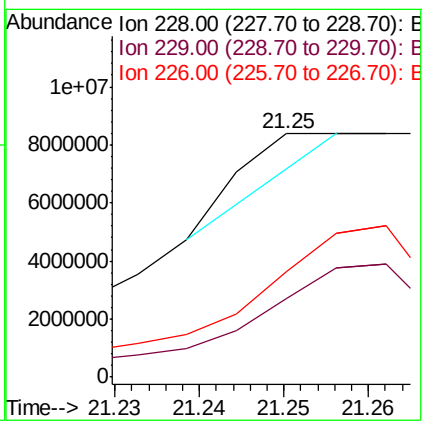


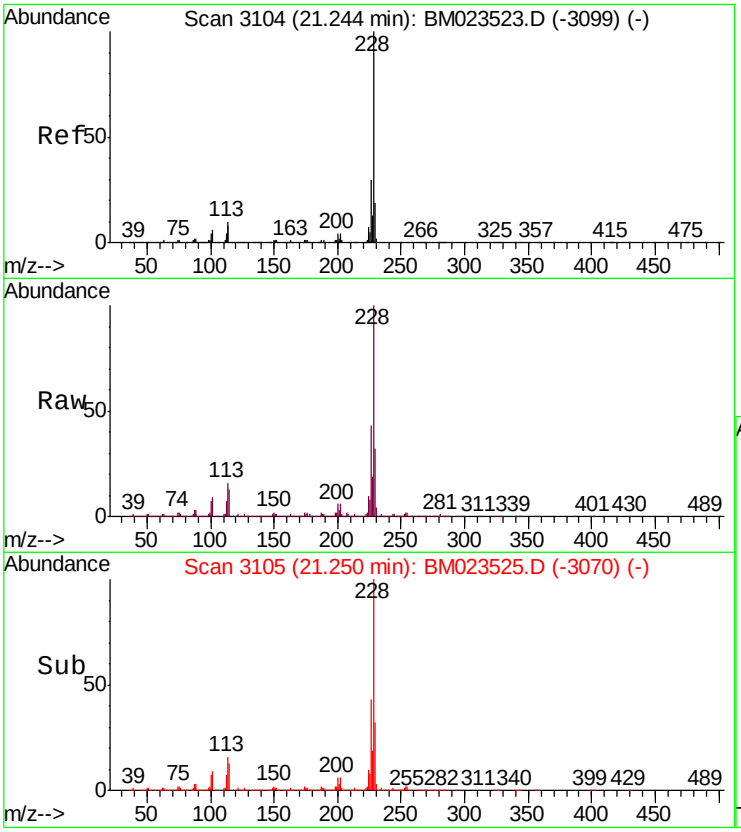




#83
Benzo(a)anthracene
Concen: 14.800 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.06 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:228 Resp: 2196846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 32.4 | 15.8 | 23.8# |
| 226 | 43.1 | 21.6 | 32.4# |



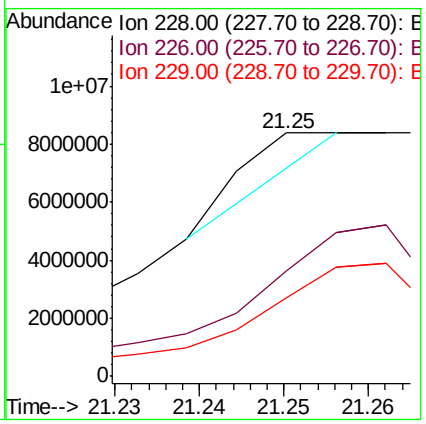


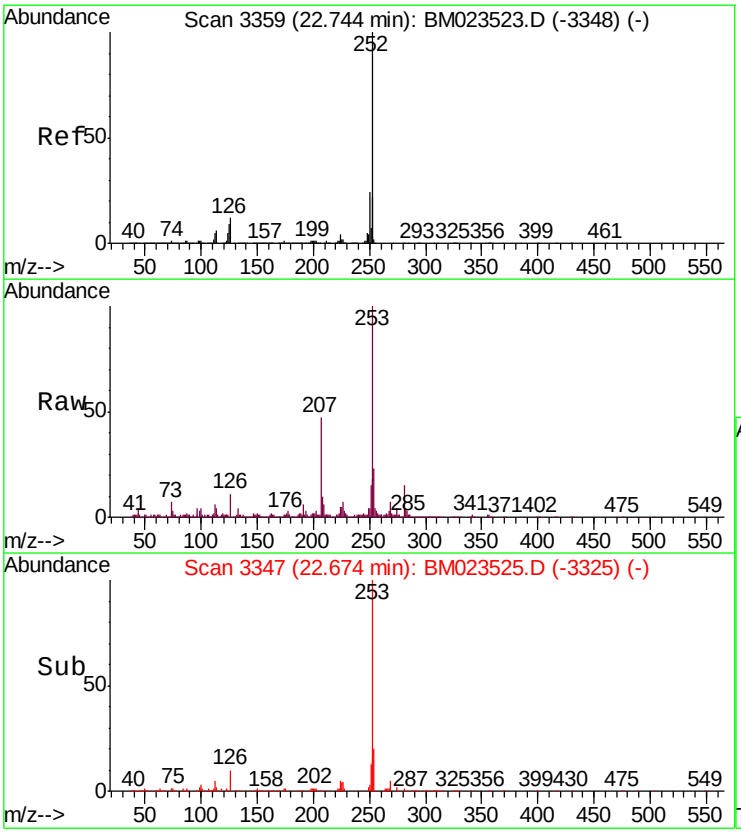

#85
Chrysene
Concen: 16.040 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.01 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:228 Resp: 2196846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 43.1 | 24.0 | 36.0# |
| 229 | 32.4 | 16.0 | 24.0# |

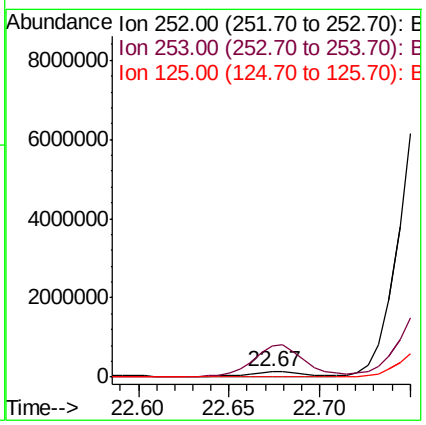


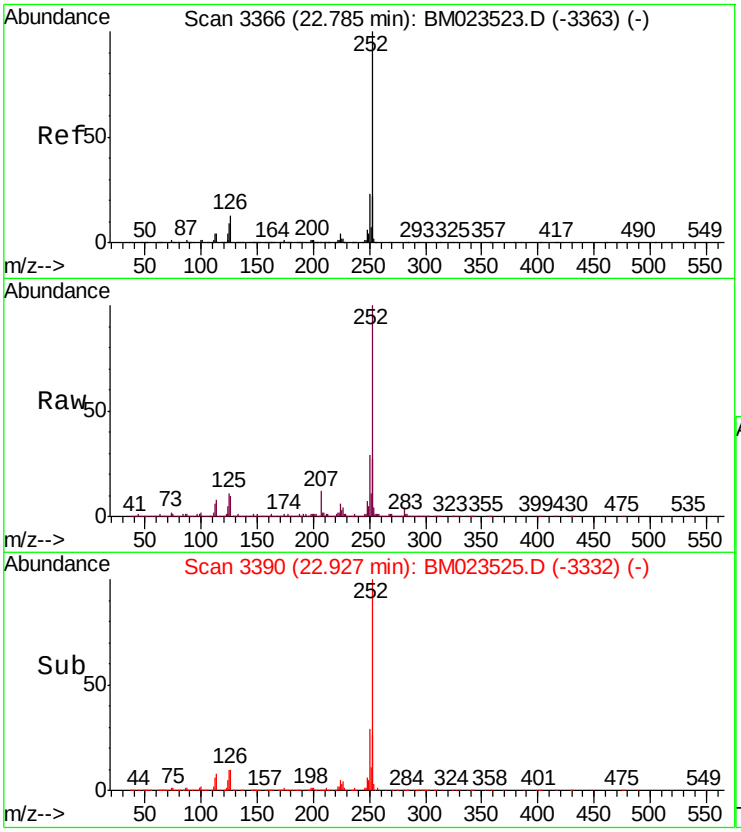




#88
Benzo(b)fluoranthene
Concen: 1.469 ng/ul
RT: 22.67 min Scan# 3347
Delta R.T. -0.07 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:252 Resp: 251785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 569.9 | 17.5 | 26.3# |
| 125 | 0.0 | 7.1 | 10.7# |



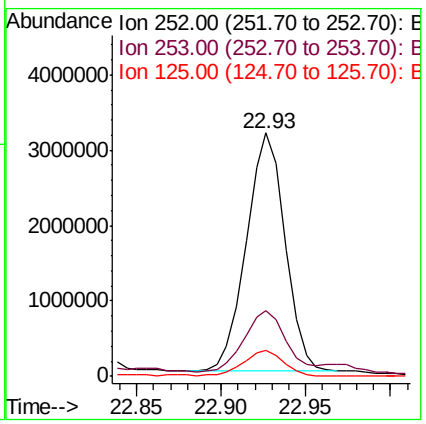


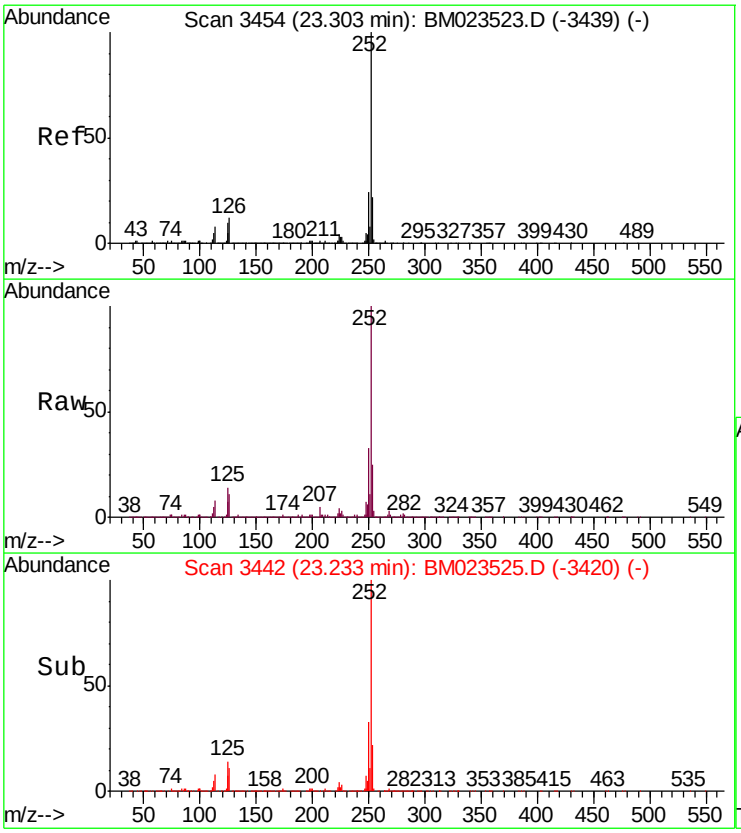

#89
Benzo(k)fluoranthene
Concen: 31.111 ng/ul
RT: 22.93 min Scan# 3390
Delta R.T. 0.14 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:252 Resp: 5008417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.9 | 17.8 | 26.6# |
| 125 | 10.5 | 6.8 | 10.2# |

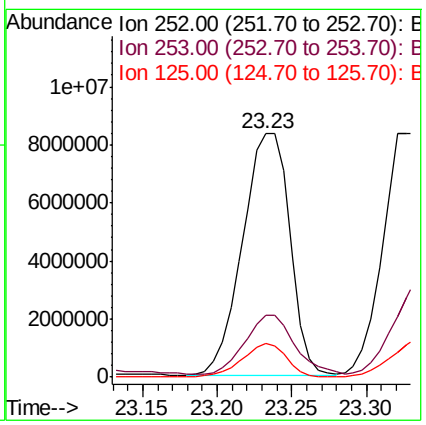


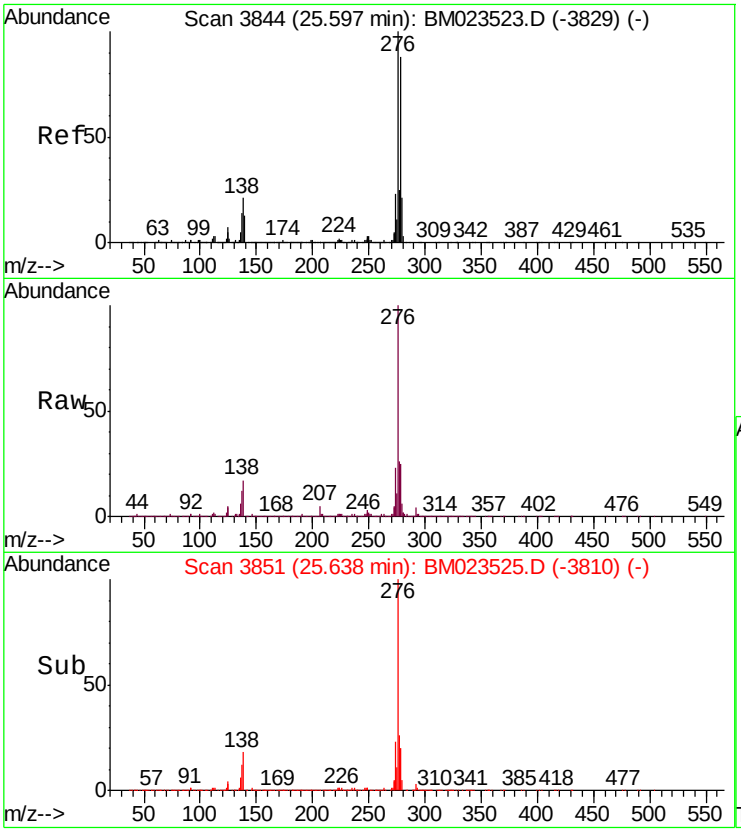




#91
Benzo(a)pyrene
Concen: 118.102 ng/ul
RT: 23.23 min Scan# 3442
Delta R.T. -0.07 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:252 Resp:18330517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.3 | 17.7 | 26.5 |
| 125 | 14.0 | 7.5 | 11.3# |



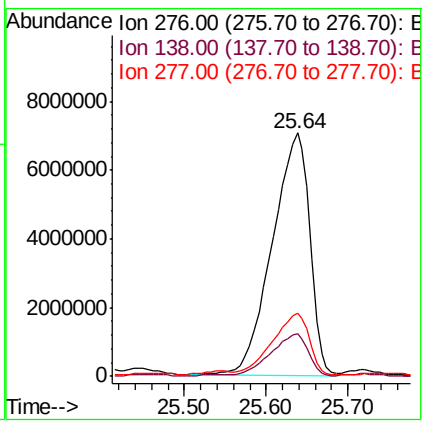


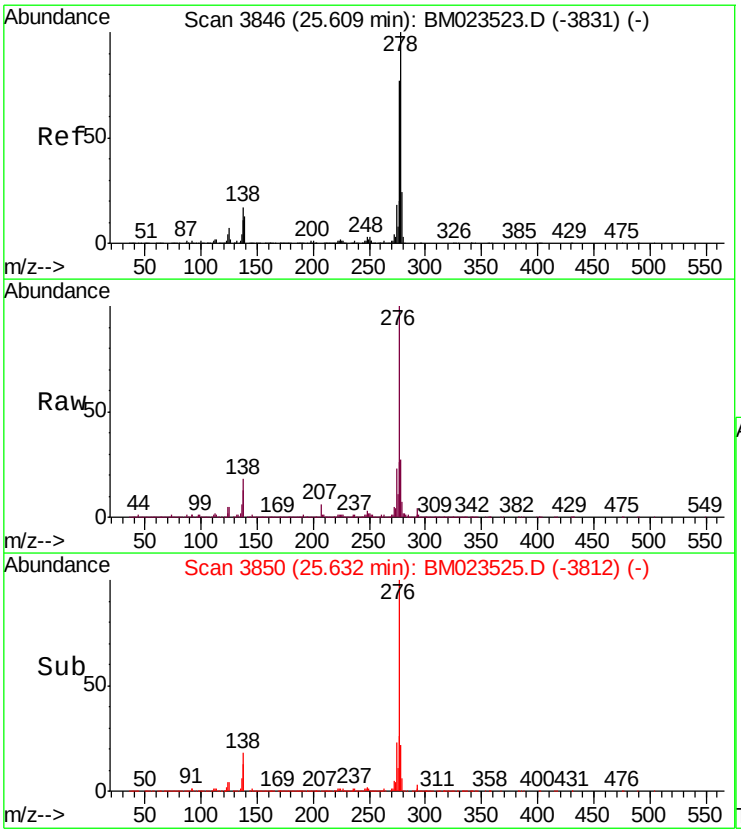

#92
Indeno(1,2,3-cd)pyrene
Concen: 133.747 ng/ul
RT: 25.64 min Scan# 3851
Delta R.T. 0.04 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:276 Resp:22476987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.3 | 15.7 | 23.5 |
| 277 | 25.8 | 20.2 | 30.2 |

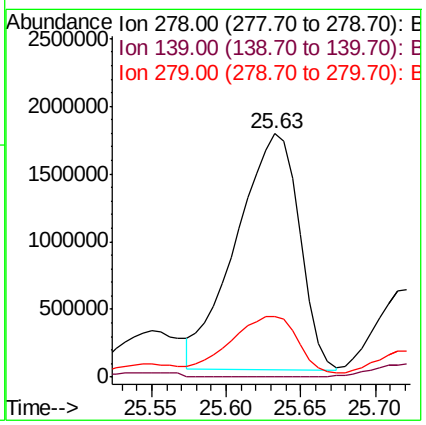


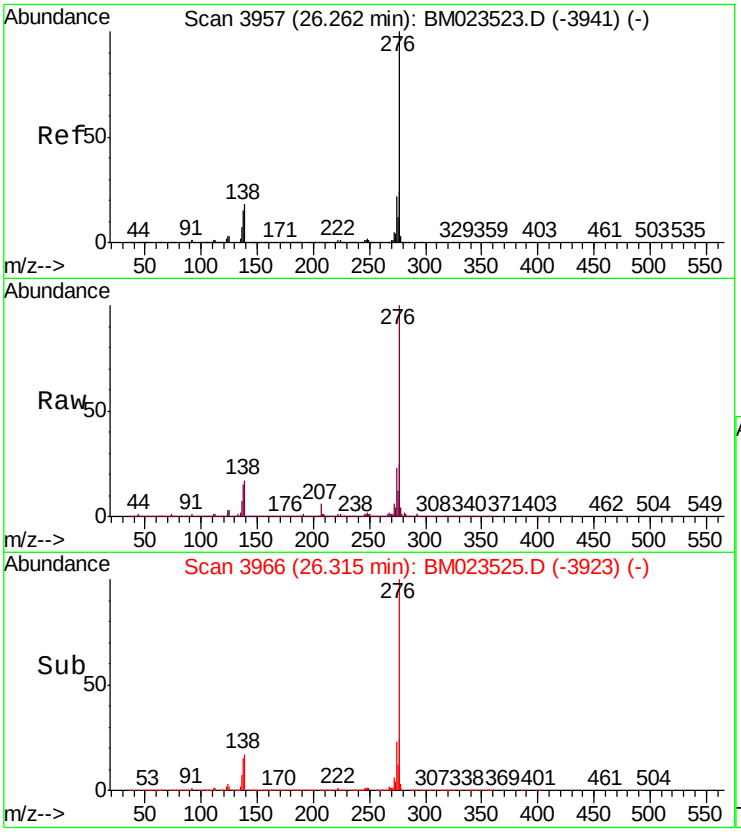




#93
Dibenzo(a,h)anthracene
Concen: 36.281 ng/ul
RT: 25.63 min Scan# 3850
Delta R.T. 0.02 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

Tgt Ion:278 Resp: 5141141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 10.9 | 16.3# |
| 279 | 25.1 | 18.7 | 28.1 |






#94
Benzo(g,h,i)perylene
Concen: 150.769 ng/ul
RT: 26.31 min Scan# 3966
Delta R.T. 0.05 min
Lab File: BM023525.D
Acq: 31 Oct 2019 18:27

**Instrument :**
BNA_M
**ClientSampleId :**
C0003

Tgt Ion:276 Resp:20614629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.4 | 14.4 | 21.6 |
| 277 | 24.9 | 19.0 | 28.6 |