Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021320\
Data File : BM024870.D
Acq On : 14 Feb 2020 00:03
Operator : CG/JU
Sample : L1404-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB6N7

Quant Time: Feb 14 07:15:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 14 05:59:53 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.39 | 152 | 323390 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.15 | 136 | 1164358 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.04 | 164 | 702572 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.80 | 188 | 1443454 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.01 | 240 | 1407477 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.11 | 264 | 1511954 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.03 | 96 | 49392 | 7.35 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.59 | 99 | 720189 | 33.52 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.75 | 67 | 480364 | 39.59 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.94 | 132 | 626320 | 32.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.11 | 113 | 497962 | 27.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.53 | 128 | 313786 | 37.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.25 | 143 | 365643 | 36.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.78 | 165 | 595419 | 29.67 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.29 | 131 | 691457 | 36.83 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.47 | 166 | 1934297 | 36.47 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.73 | 160 | 2043099 | 32.99 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.27 | 143 | 274210 | 31.82 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.04 | 176 | 1548696 | 32.98 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.18 | 200 | 305401 | 32.46 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.90 | 188 | 2123814 | 32.23 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.20 | 212 | 2348025 | 33.35 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 22.98 | 264 | 2390109 | 31.48 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 70) Phenanthrene | 16.84 | 178 | 475897 | 6.047 | ng/ul | 100 |
| 72) Anthracene | 16.93 | 178 | 82909 | 1.039 | ng/ul | 97 |
| 77) Fluoranthene | 18.87 | 202 | 843994 | 8.735 | ng/ul# | 96 |
| 80) Pyrene | 19.23 | 202 | 686672 | 7.371 | ng/ul# | 94 |
| 83) Benzo(a)anthracene | 21.00 | 228 | 428053 | 4.515 | ng/ul | 98 |
| 85) Chrysene | 21.04 | 228 | 434763 | 4.658 | ng/ul | 99 |
| 88) Benzo(b)fluoranthene | 22.50 | 252 | 565715 | 5.884 | ng/ul# | 98 |
| 89) Benzo(k)fluoranthene | 22.53 | 252 | 200754 | 2.169 | ng/ul# | 96 |
| 91) Benzo(a)pyrene | 23.02 | 252 | 322060 | 3.736 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.16 | 276 | 254647 | 2.373 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 25.77 | 276 | 180828 | 2.026 | ng/ul | 98 |

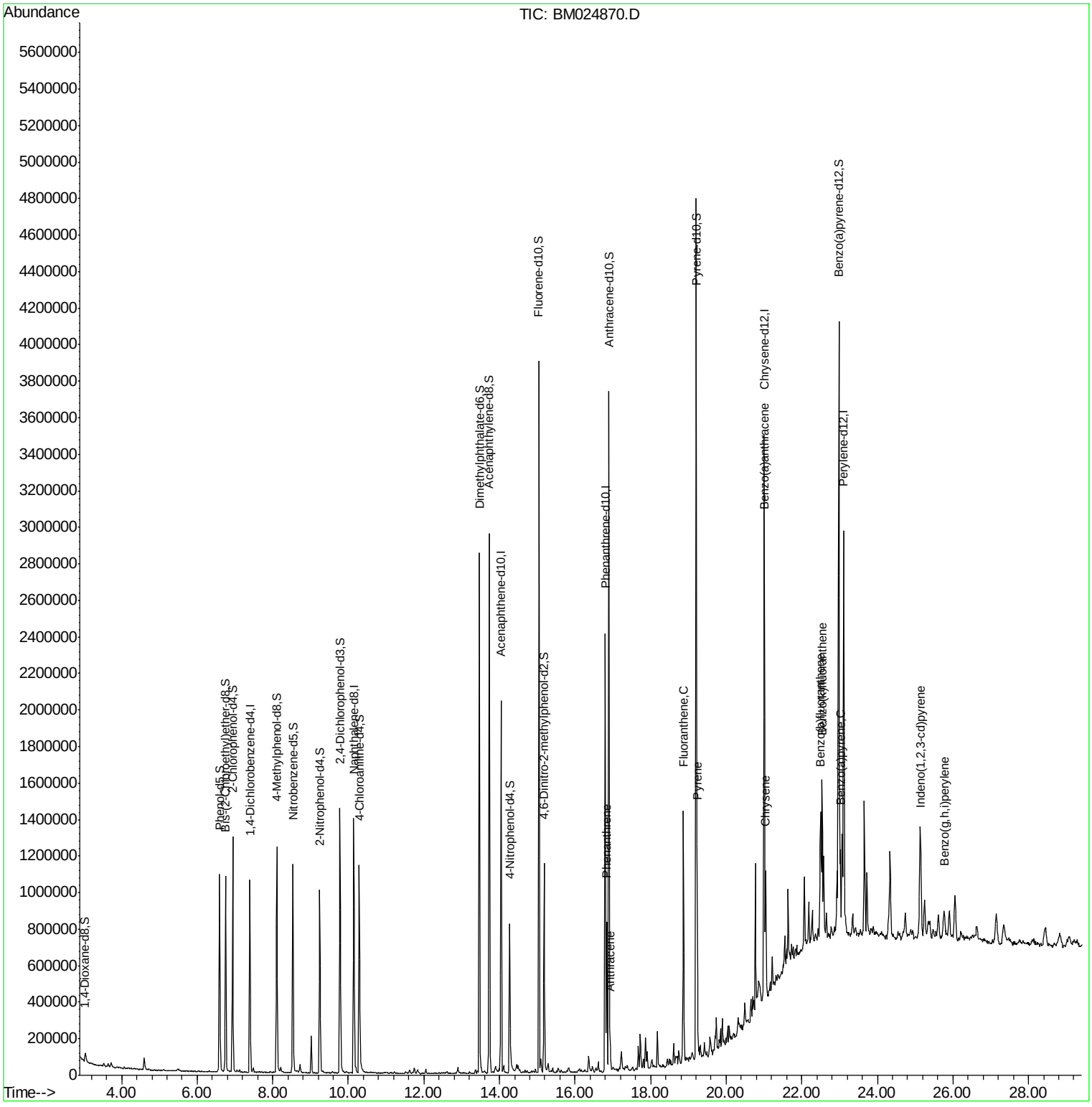
(#) = qualifier out of range (m) = manual integration (+) = signals summed

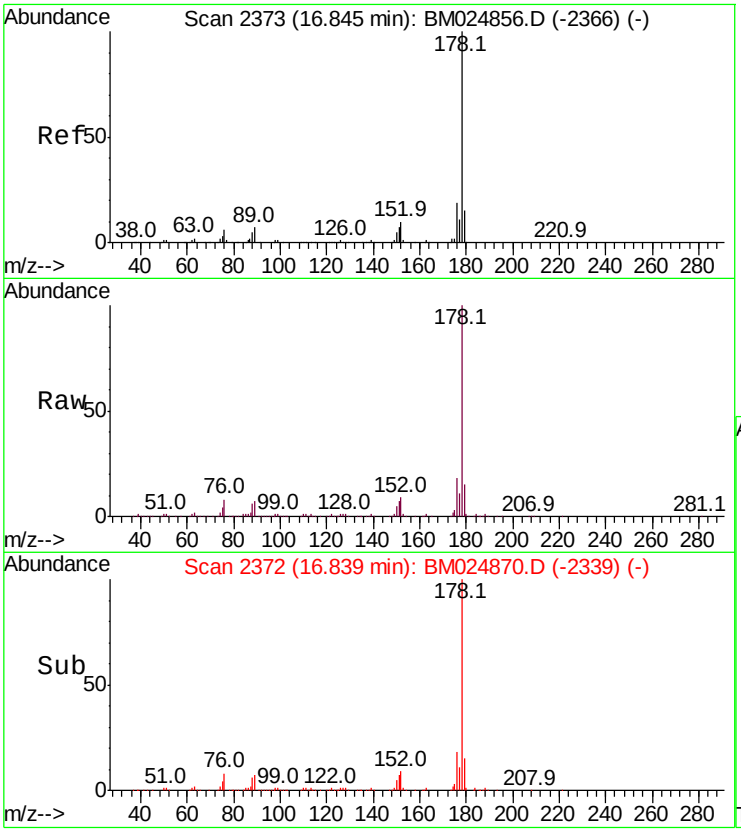
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021320\
Data File : BM024870.D
Acq On : 14 Feb 2020 00:03
Operator : CG/JU
Sample : L1404-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Quant Time: Feb 14 07:15:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Feb 14 05:59:53 2020
Response via : Initial Calibration



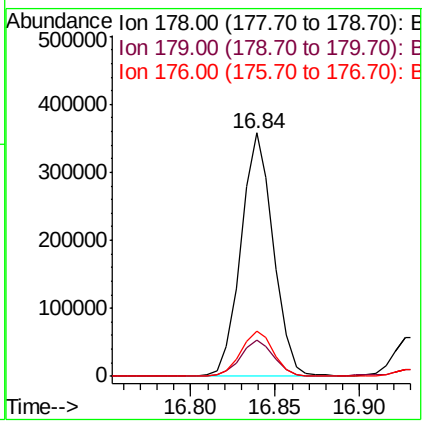


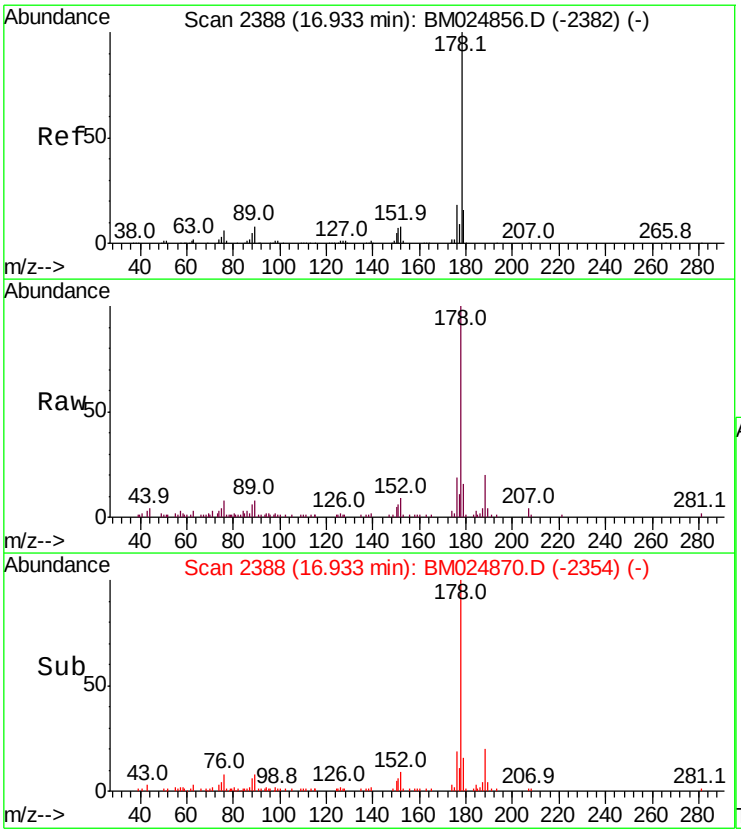

#70
Phenanthrene
Concen: 6.047 ng/ul
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Tgt Ion:178 Resp: 475897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.2 | 18.2 |
| 176 | 18.3 | 14.5 | 21.7 |

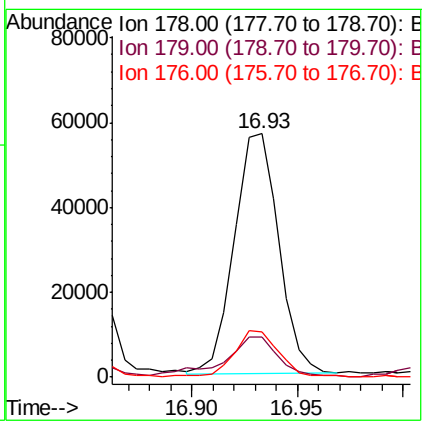


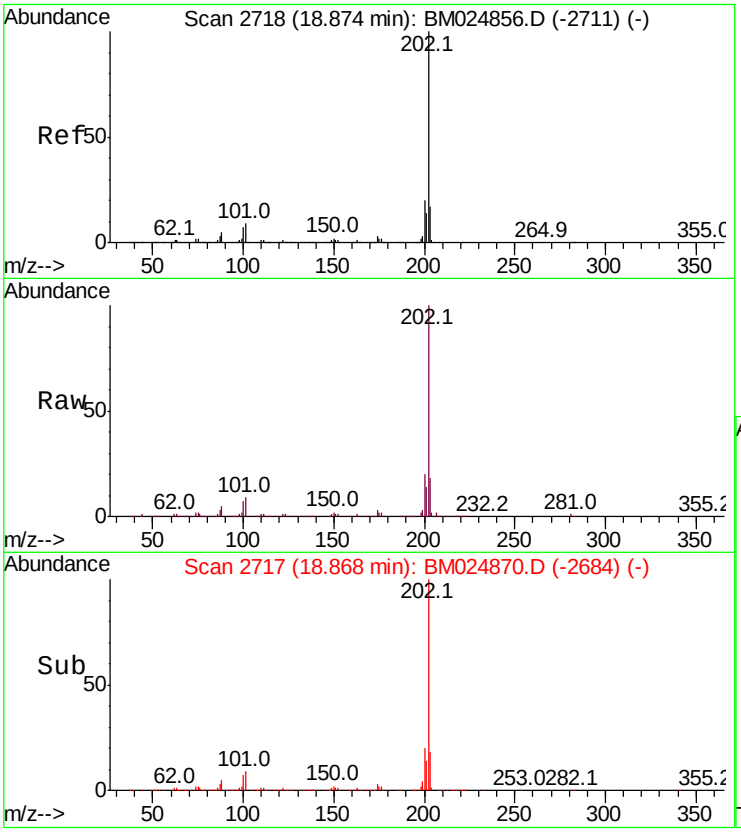




#72
Anthracene
Concen: 1.039 ng/ul
RT: 16.93 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

Tgt Ion:178 Resp: 82909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.3 | 18.5 |
| 176 | 18.8 | 14.1 | 21.1 |



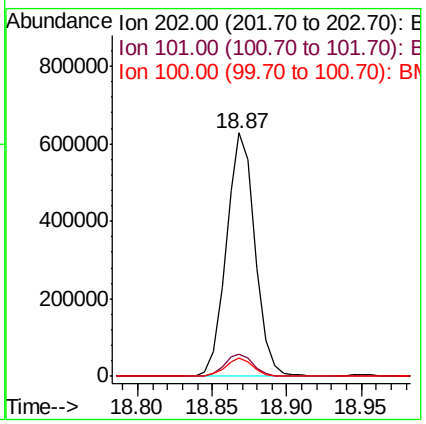


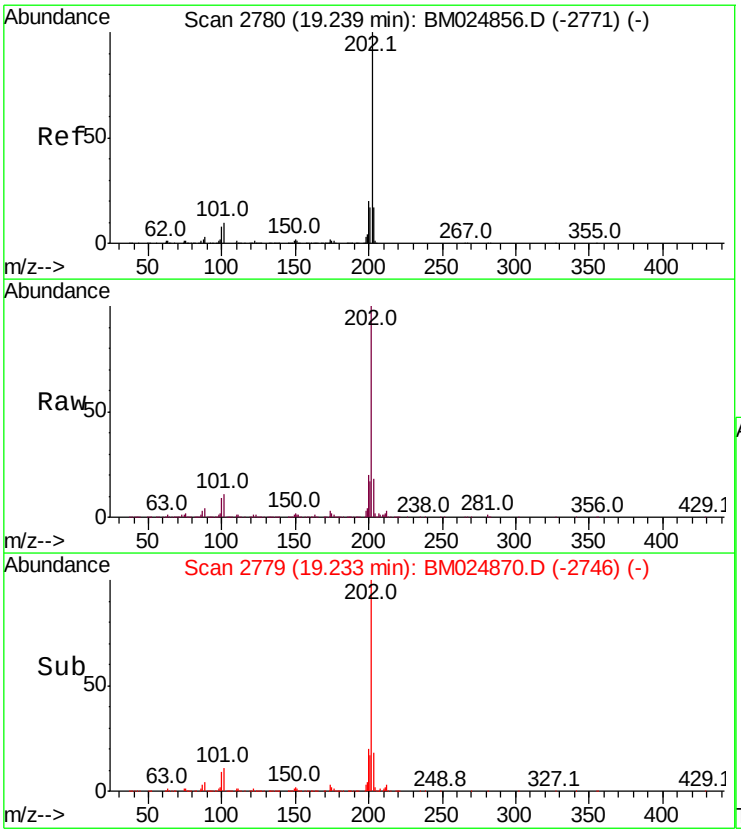

#77
Fluoranthene
Concen: 8.735 ng/ul
RT: 18.87 min Scan# 2717
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Tgt Ion:202 Resp: 843994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 6.1 | 9.1 |
| 100 | 7.3 | 4.8 | 7.2# |

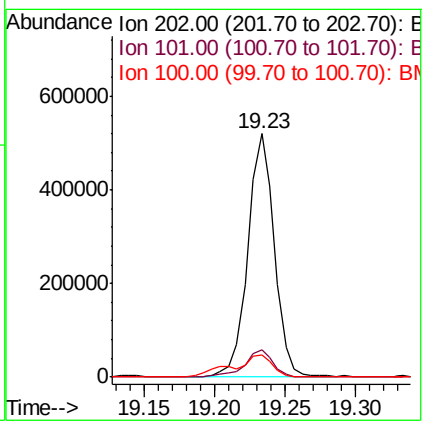


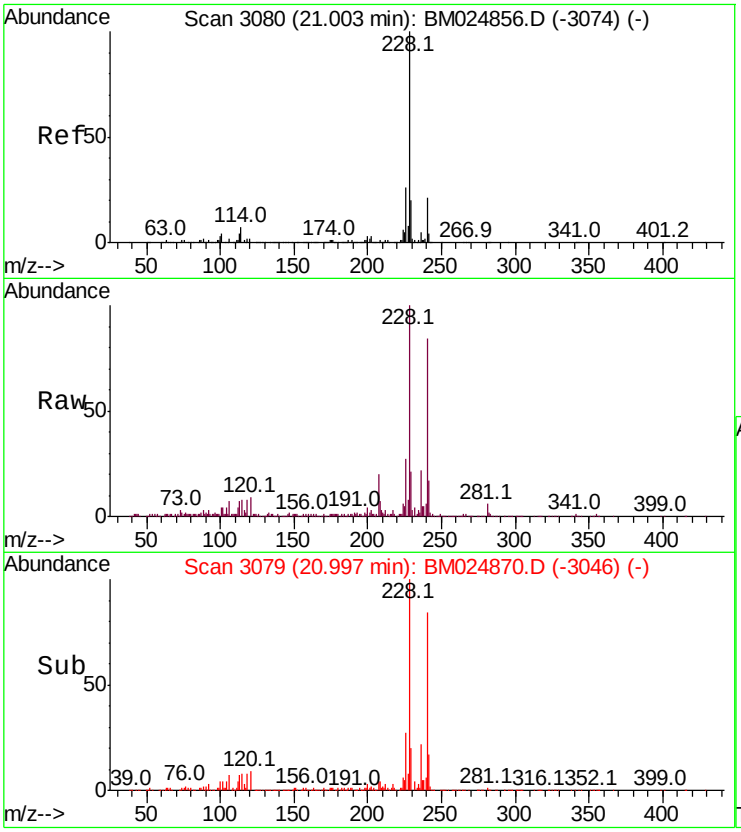




#80
Pyrene
Concen: 7.371 ng/ul
RT: 19.23 min Scan# 2779
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

Tgt Ion:202 Resp: 686672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 7.0 | 10.4# |
| 100 | 9.0 | 5.8 | 8.8# |



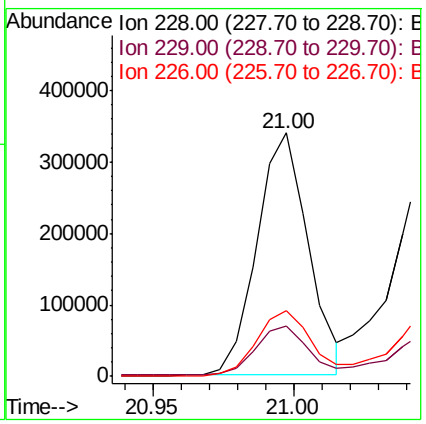


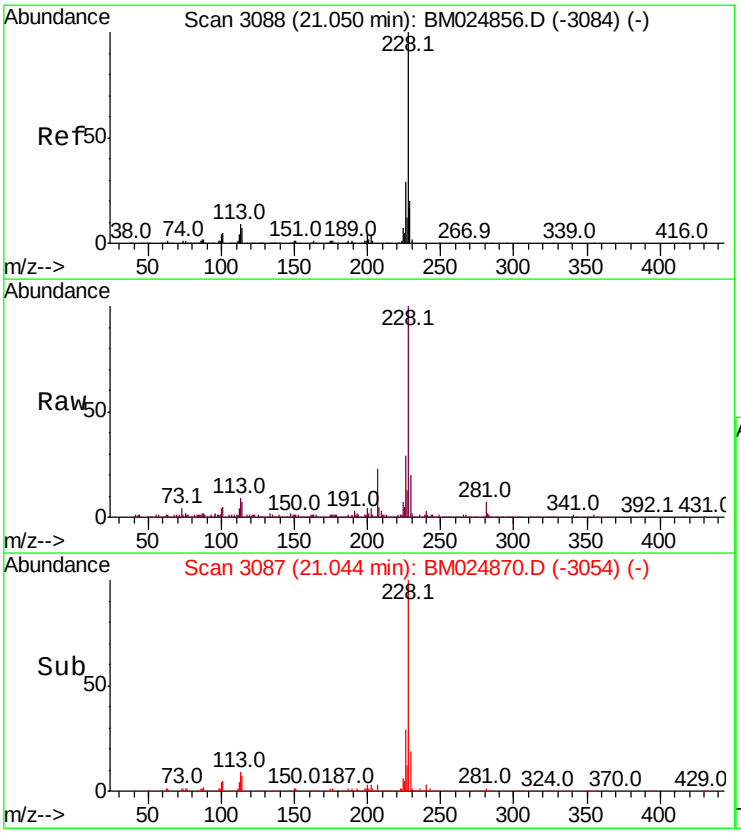

#83
Benzo(a)anthracene
Concen: 4.515 ng/ul
RT: 21.00 min Scan# 3079
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Tgt Ion:228 Resp: 428053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.8 | 15.9 | 23.9 |
| 226 | 27.2 | 20.8 | 31.2 |

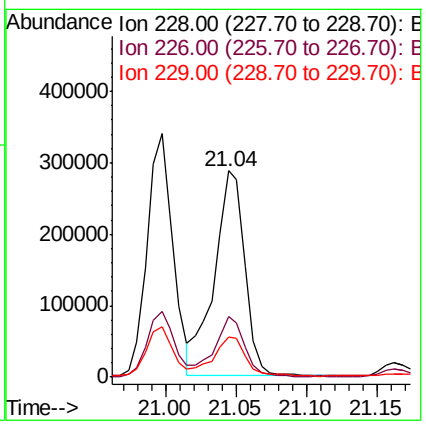


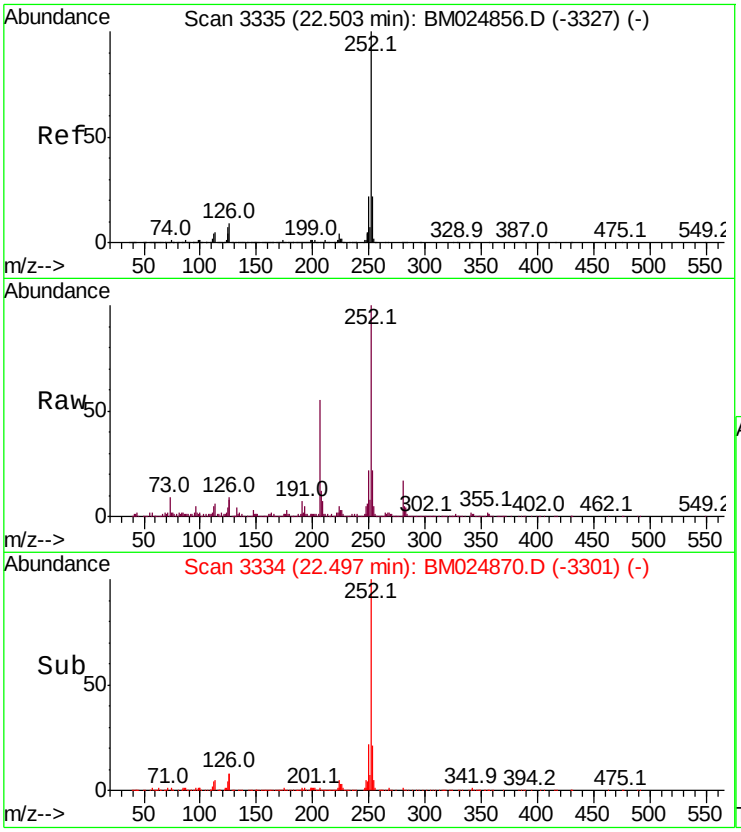




#85
Chrysene
Concen: 4.658 ng/ul
RT: 21.04 min Scan# 3087
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

Tgt Ion:228 Resp: 434763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.1 | 23.0 | 34.4 |
| 229 | 19.6 | 15.8 | 23.8 |



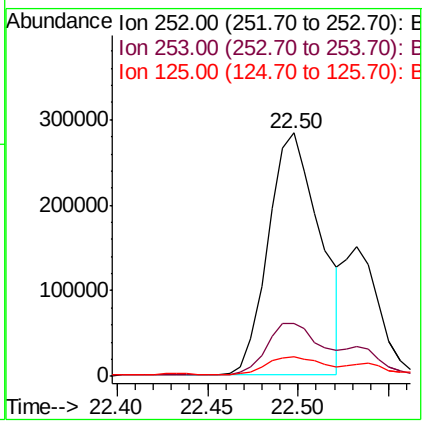


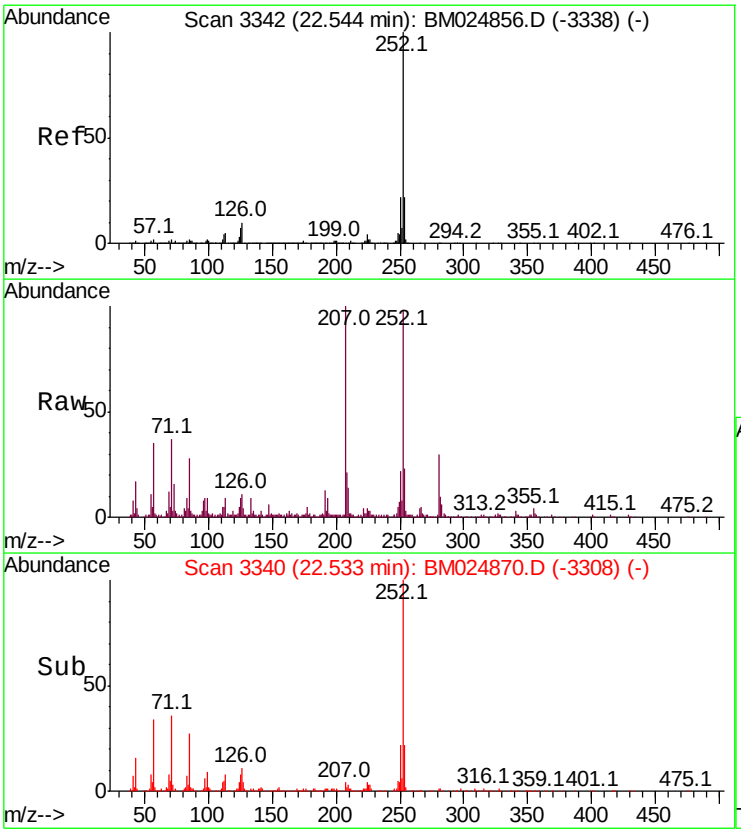

#88
Benzo(b)fluoranthene
Concen: 5.884 ng/ul
RT: 22.50 min Scan# 3334
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Tgt Ion:252 Resp: 565715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.3 | 25.9 |
| 125 | 8.1 | 5.1 | 7.7# |

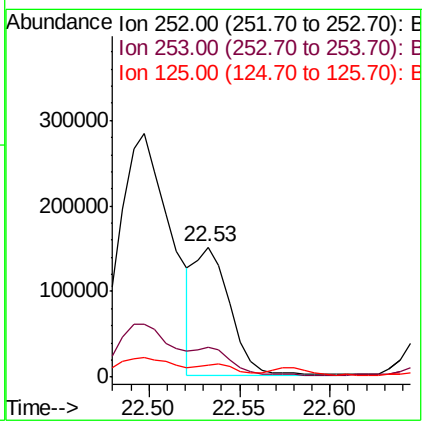


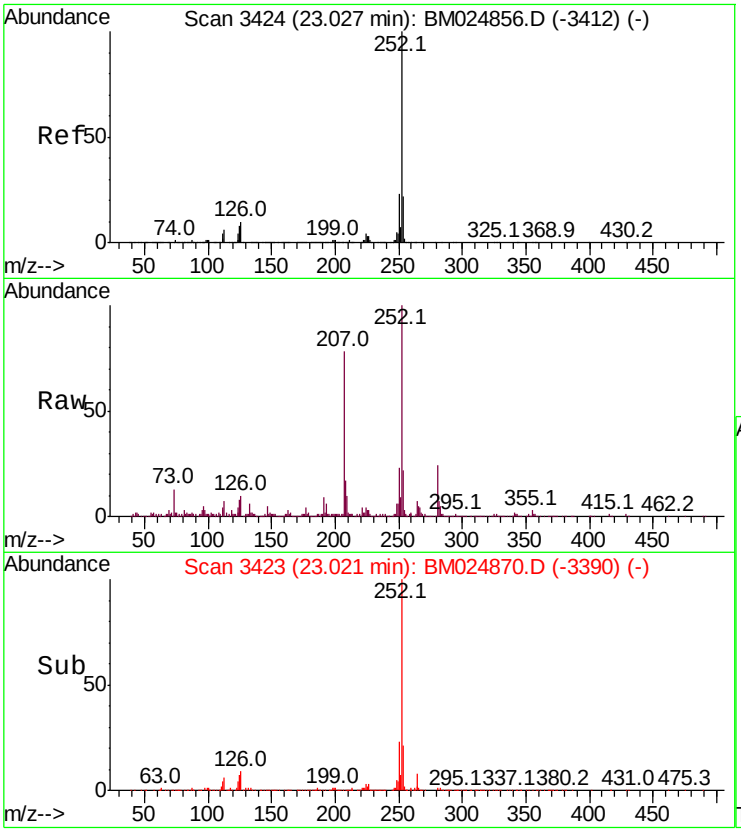




#89
Benzo(k)fluoranthene
Concen: 2.169 ng/ul
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

Tgt Ion:252 Resp: 200754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.4 | 26.0 |
| 125 | 9.1 | 5.1 | 7.7# |



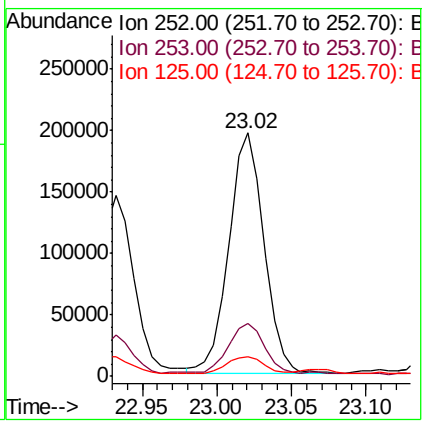


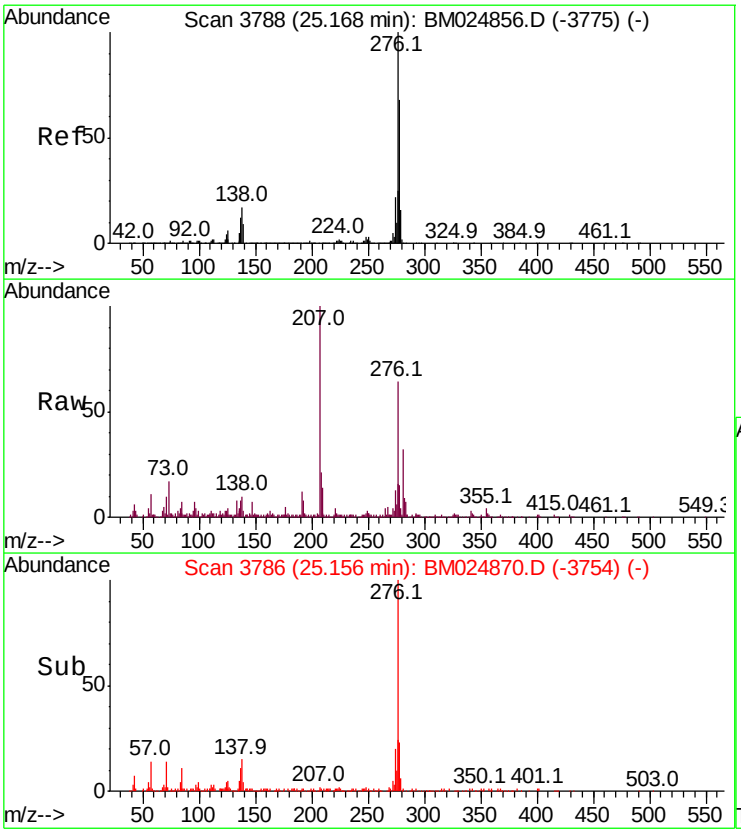

#91
Benzo(a)pyrene
Concen: 3.736 ng/ul
RT: 23.02 min Scan# 3423
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Tgt Ion:252 Resp: 322060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.5 | 26.3 |
| 125 | 8.0 | 5.6 | 8.4 |

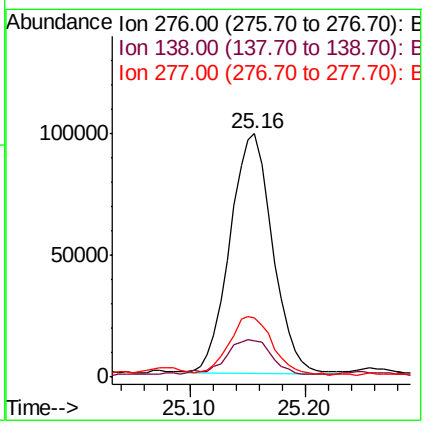


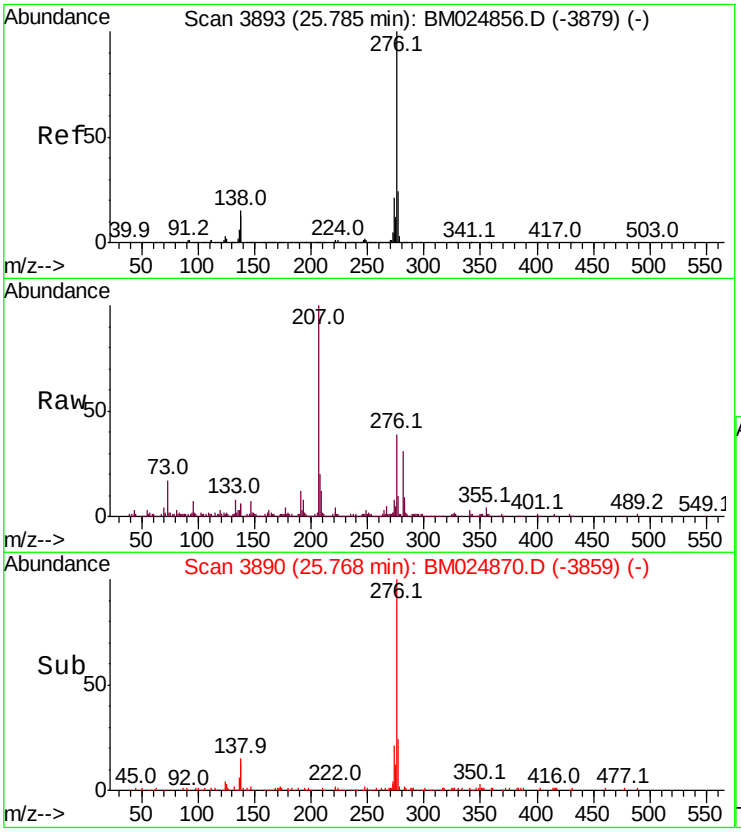




#92
Indeno(1,2,3-cd)pyrene
Concen: 2.373 ng/ul
RT: 25.16 min Scan# 3786
Delta R.T. -0.01 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

Tgt Ion:276 Resp: 254647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.2 | 12.8 | 19.2 |
| 277 | 24.6 | 19.3 | 28.9 |






#94
Benzo(g,h,i)perylene
Concen: 2.026 ng/ul
RT: 25.77 min Scan# 3890
Delta R.T. -0.02 min
Lab File: BM024870.D
Acq: 14 Feb 2020 00:03

**Instrument :**
BNA_M
**ClientSampleId :**
CB6N7

Tgt Ion:276 Resp: 180828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.7 | 11.8 | 17.6 |
| 277 | 24.4 | 19.0 | 28.6 |