Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100724\
Data File : BM047893.D
Acq On : 07 Oct 2024 21:03
Operator : RC/JU
Sample : P4109-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 07 23:23:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 04 08:32:31 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.799 | 152 | 311409 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.587 | 136 | 1243265 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.434 | 164 | 759985 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.169 | 188 | 1558042 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.398 | 240 | 1477216 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.398 | 264 | 1670288 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.252 | 96 | 15899 | 1.650 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.652 | 84 | 670 | 0.024 | ng/ul | -0.01 |
| 7) Phenol-d5 | 6.963 | 99 | 270238 | 9.177 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.128 | 67 | 166766 | 7.981 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.328 | 132 | 231983 | 10.828 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.505 | 113 | 204087 | 9.322 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.952 | 128 | 103126 | 10.418 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.675 | 143 | 110341 | 11.632 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.210 | 165 | 215816 | 11.389 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.722 | 131 | 240057 | 8.194 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.839 | 166 | 608381 | 11.042 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.122 | 160 | 696340 | 10.659 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.628 | 143 | 80220 | 7.313 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.422 | 176 | 545153 | 11.423 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200 | 51285 | 5.625 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.269 | 188 | 819004 | 10.690 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.557 | 212 | 845787 | 10.088 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.186 | 264 | 599102 | 6.913 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 16) Acetophenone | 8.616 | 105 | 65338 | 1.744 | ng/ul | 92 |
| 30) Naphthalene | 10.640 | 128 | 81558 | 1.140 | ng/ul | 99 |
| 52) Acenaphthene | 14.492 | 153 | 82721 | 1.588 | ng/ul | 98 |
| 61) Fluorene | 15.475 | 166 | 90182 | 1.542 | ng/ul | 99 |
| 72) Phenanthrene | 17.210 | 178 | 1351264 | 14.789 | ng/ul | 100 |
| 74) Anthracene | 17.304 | 178 | 250267 | 2.686 | ng/ul | 99 |
| 77) Carbazole | 17.569 | 167 | 137492 | 1.628 | ng/ul | 98 |
| 80) Fluoranthene | 19.221 | 202 | 1746786 | 17.690 | ng/ul | 99 |
| 82) Pyrene | 19.586 | 202 | 1129464 | 10.277 | ng/ul# | 95 |
| 85) Benzo(a)anthracene | 21.380 | 228 | 680266 | 6.577 | ng/ul | 99 |
| 87) Chrysene | 21.439 | 228 | 658191 | 6.528 | ng/ul | 97 |
| 90) Benzo(b)fluoranthene | 23.451 | 252 | 767707 | 7.370 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.451 | 252 | 767707 | 7.208 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.251 | 252 | 263472 | 2.663 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 27.774 | 276 | 227849 | 1.797 | ng/ul | 97 |

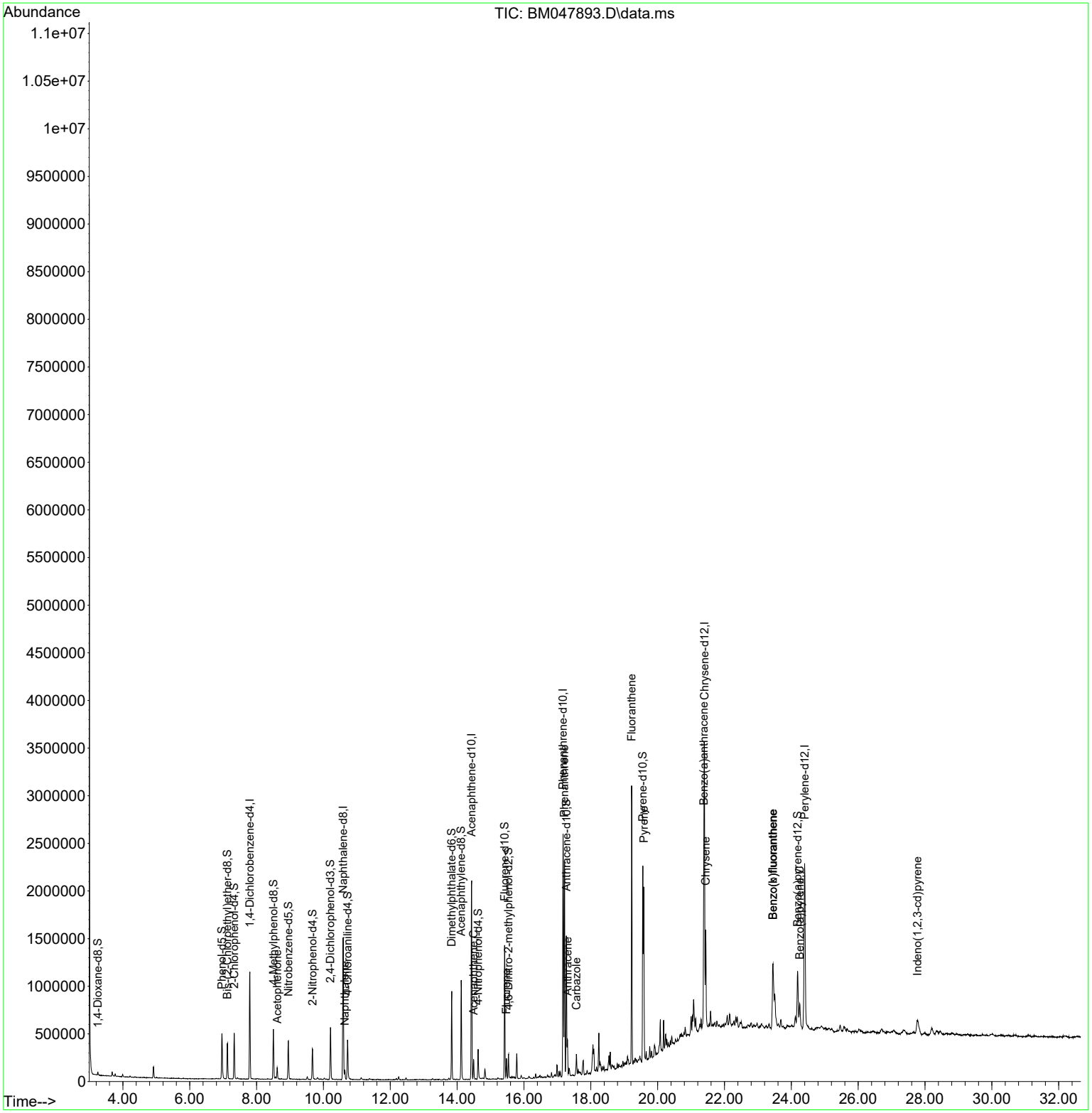
(#) = qualifier out of range (m) = manual integration (+) = signals summed

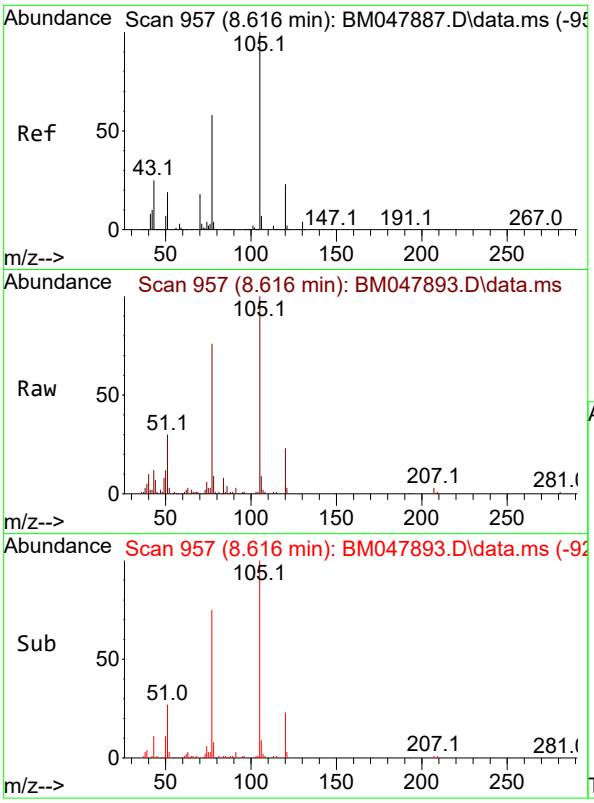
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM100724\
Data File : BM047893.D
Acq On : 07 Oct 2024 21:03
Operator : RC/JU
Sample : P4109-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 07 23:23:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM092724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 04 08:32:31 2024
Response via : Initial Calibration



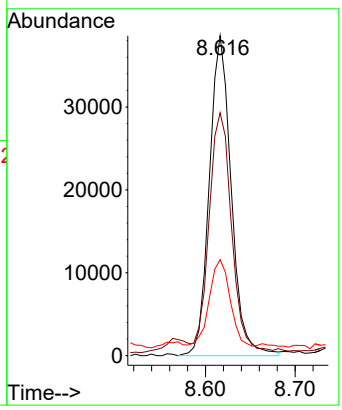


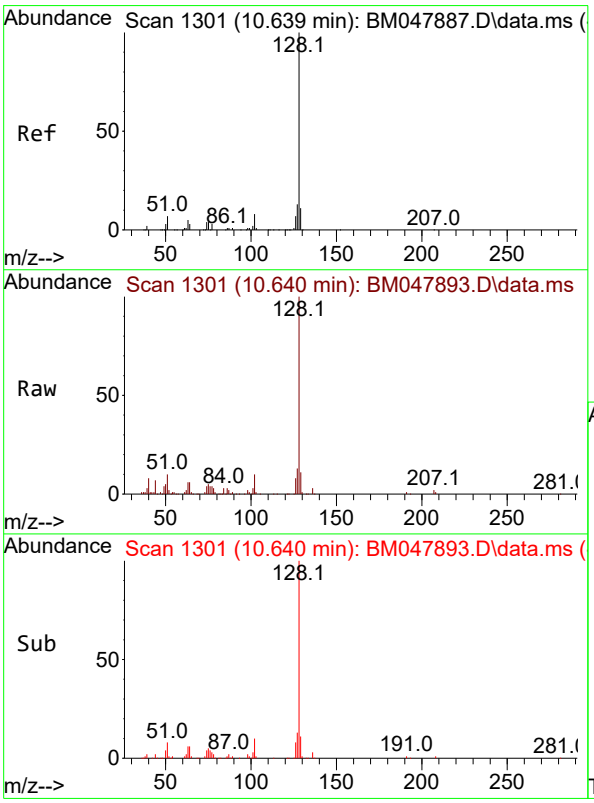

#16
Acetophenone
Concen: 1.744 ng/ul
RT: 8.616 min Scan# 9
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:105 Resp: 65338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 75.9 | 66.6 | 100.0 |
| 51 | 30.0 | 27.0 | 40.4 |

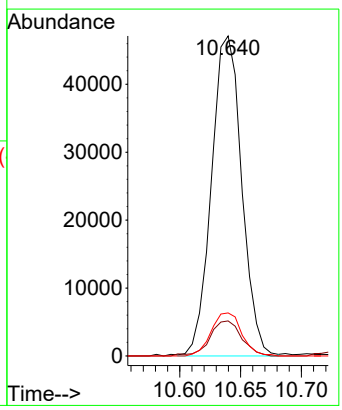


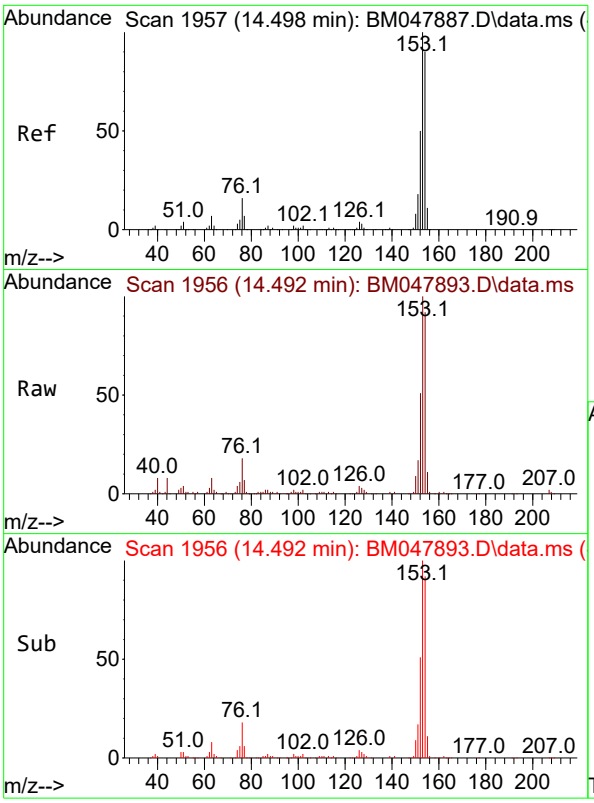




#30
Naphthalene
Concen: 1.140 ng/ul
RT: 10.640 min Scan# 1301
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:128 Resp: 81558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.6 | 12.8 |
| 127 | 13.4 | 10.4 | 15.6 |



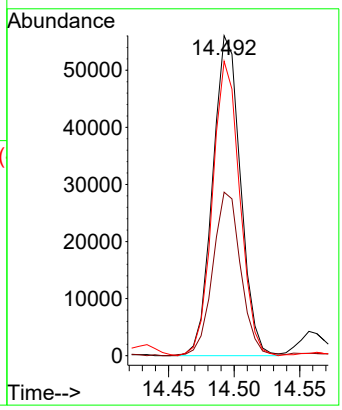


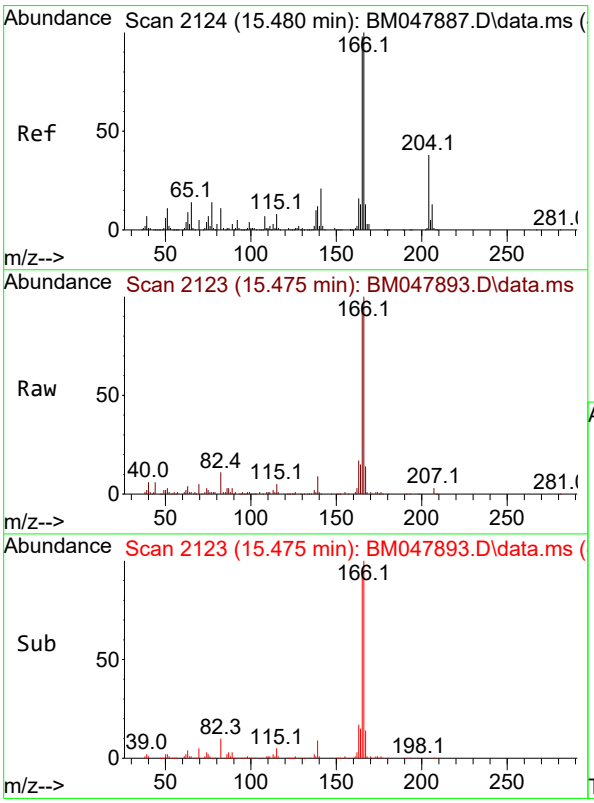

#52
Acenaphthene
Concen: 1.588 ng/ul
RT: 14.492 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:153 Resp: 82721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.1 | 39.7 | 59.5 |
| 154 | 92.0 | 72.6 | 108.8 |

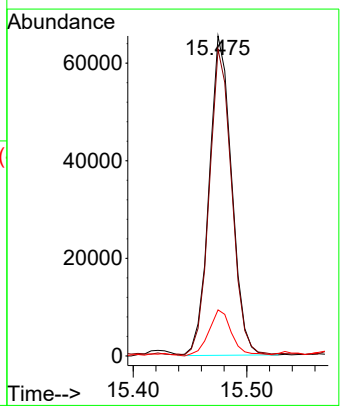


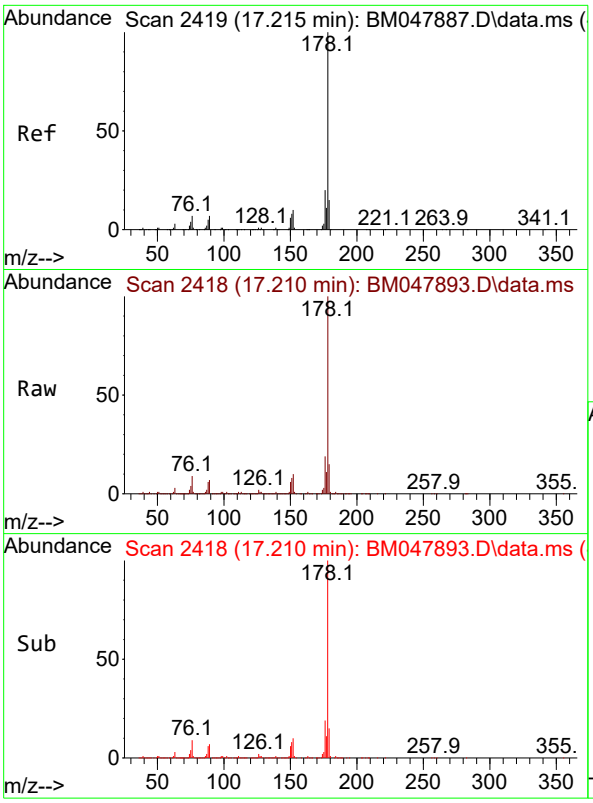




#61
Fluorene
Concen: 1.542 ng/ul
RT: 15.475 min Scan# 2123
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:166 Resp: 90182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.9 | 77.8 | 116.6 |
| 167 | 14.4 | 10.8 | 16.2 |



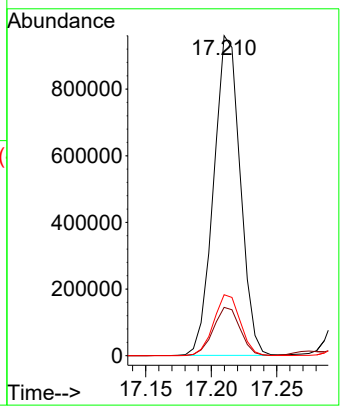


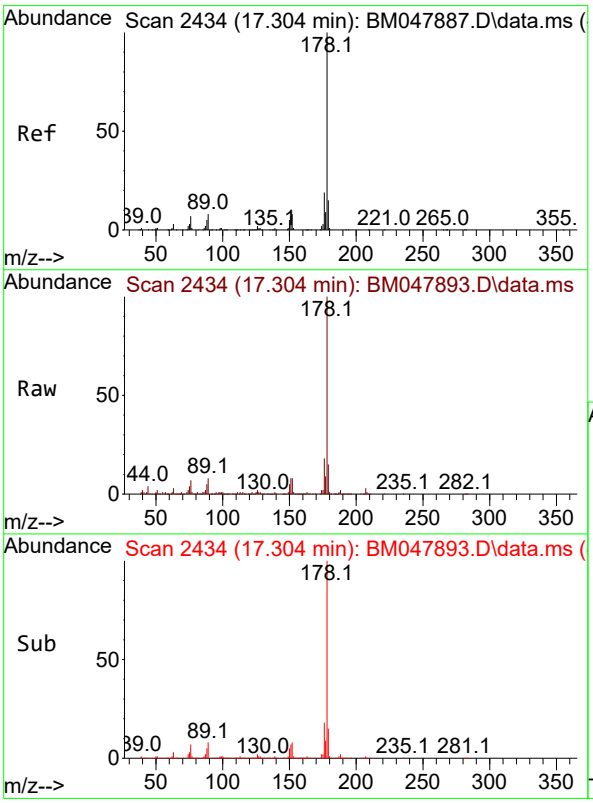

#72
Phenanthrene
Concen: 14.789 ng/ul
RT: 17.210 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:178 Resp: 1351264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.0 | 18.0 |
| 176 | 19.0 | 15.4 | 23.0 |

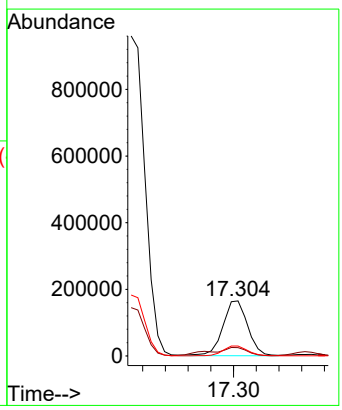


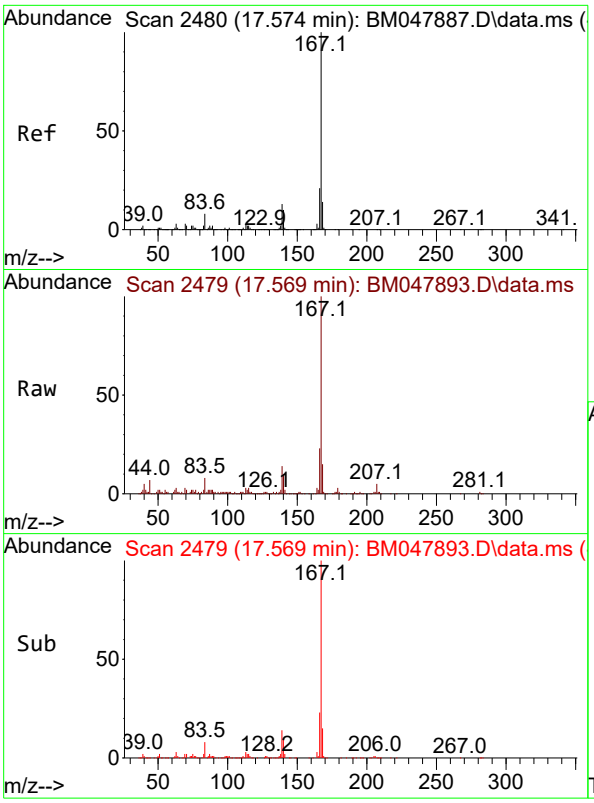




#74
Anthracene
Concen: 2.686 ng/ul
RT: 17.304 min Scan# 2434
Delta R.T. 0.000 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:178 Resp: 250267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 12.4 | 18.6 |
| 176 | 18.1 | 14.7 | 22.1 |



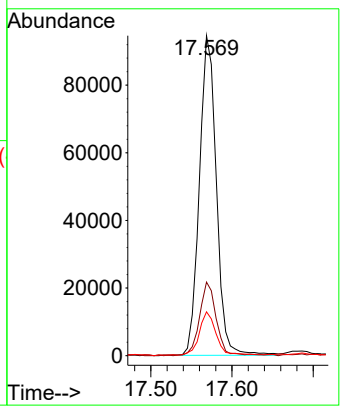


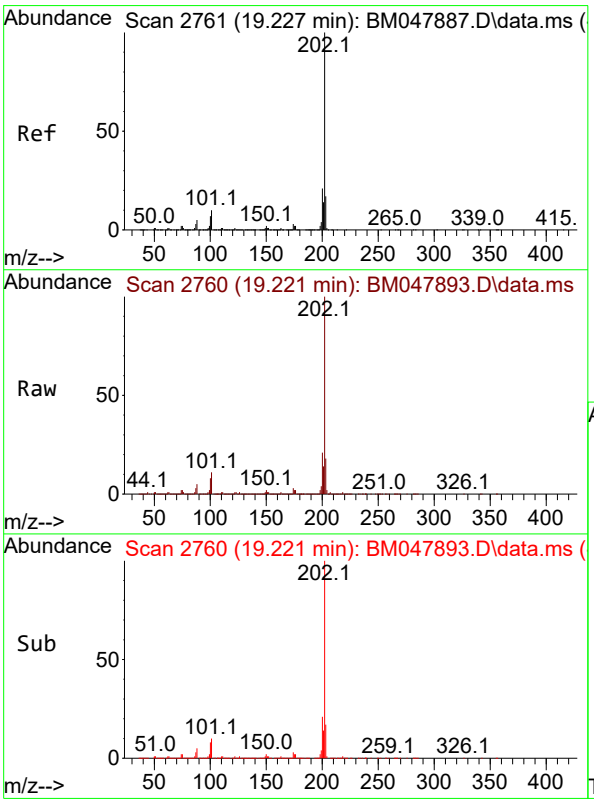

#77
Carbazole
Concen: 1.628 ng/ul
RT: 17.569 min Scan# 24
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:167 Resp: 137492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 23.0 | 17.4 | 26.0 |
| 139 | 13.7 | 10.9 | 16.3 |

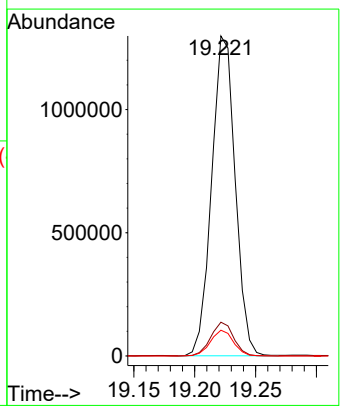


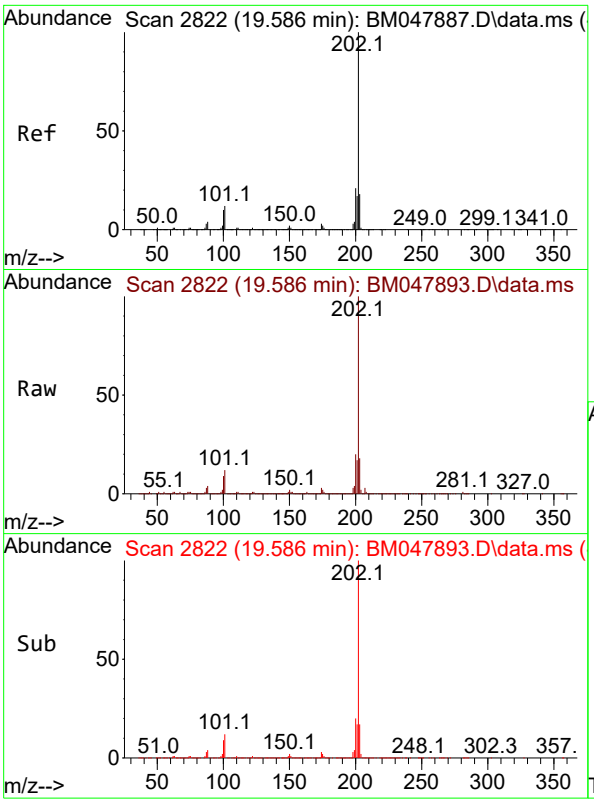




#80
Fluoranthene
Concen: 17.690 ng/ul
RT: 19.221 min Scan# 2760
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:202 Resp: 1746786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 9.0 | 13.4 |
| 100 | 8.1 | 6.8 | 10.2 |



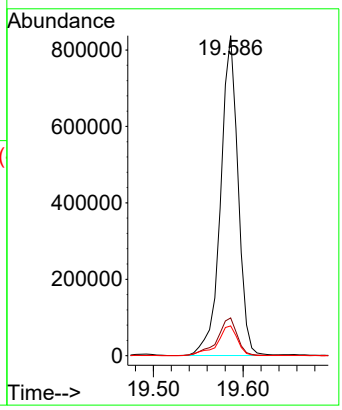


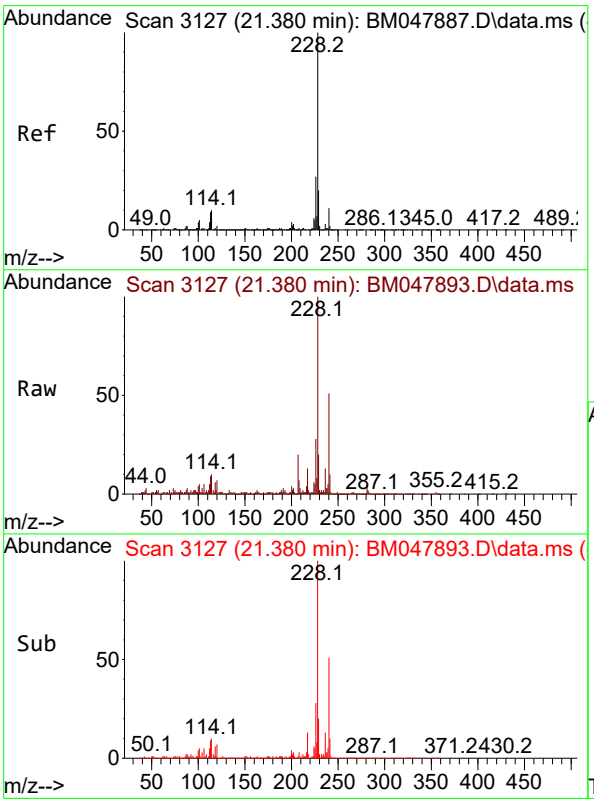

#82
Pyrene
Concen: 10.277 ng/ul
RT: 19.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:202 Resp: 1129464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 10.9 | 16.3 |
| 100 | 9.3 | 9.4 | 14.2# |

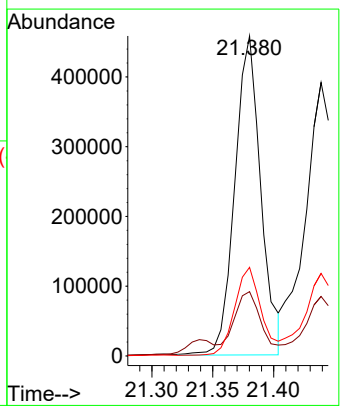


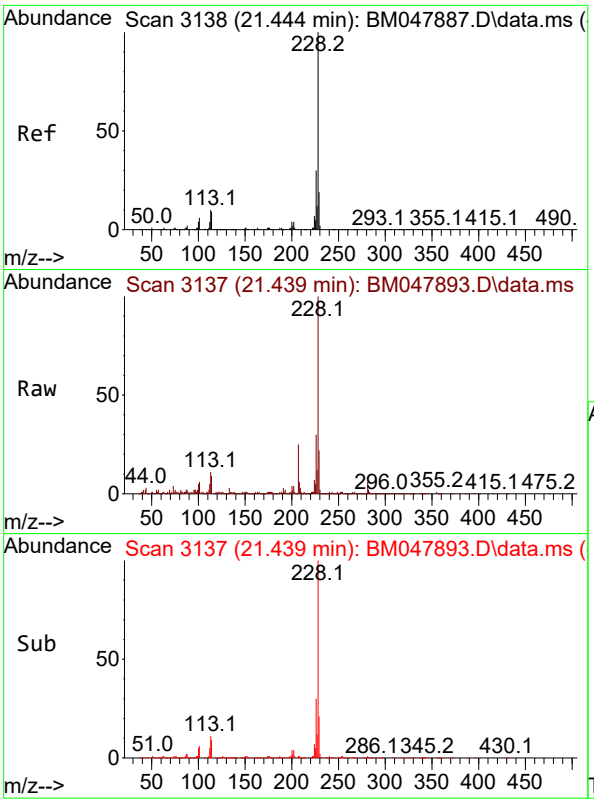




#85
Benzo(a)anthracene
Concen: 6.577 ng/ul
RT: 21.380 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:228 Resp: 680266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.1 | 15.6 | 23.4 |
| 226 | 27.7 | 21.9 | 32.9 |



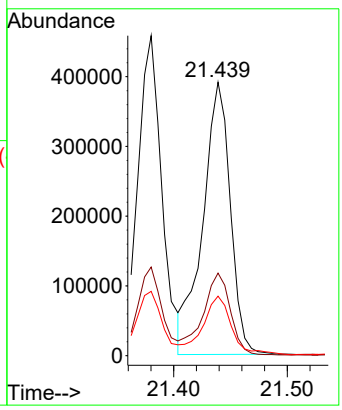


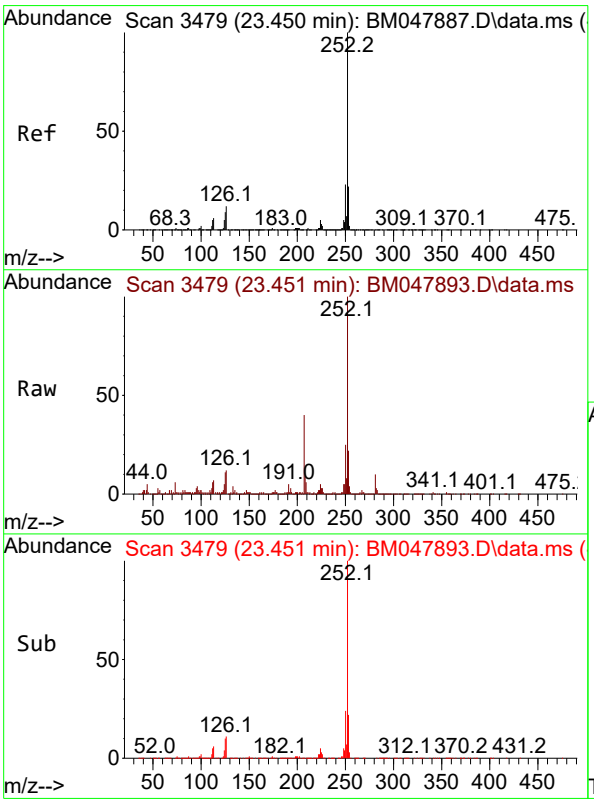

#87
Chrysene
Concen: 6.528 ng/ul
RT: 21.439 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:228 Resp: 658191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.6 | 35.4 |
| 229 | 21.8 | 15.3 | 22.9 |

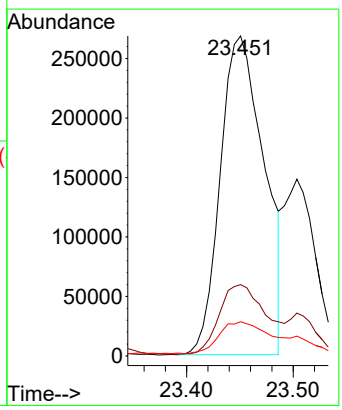


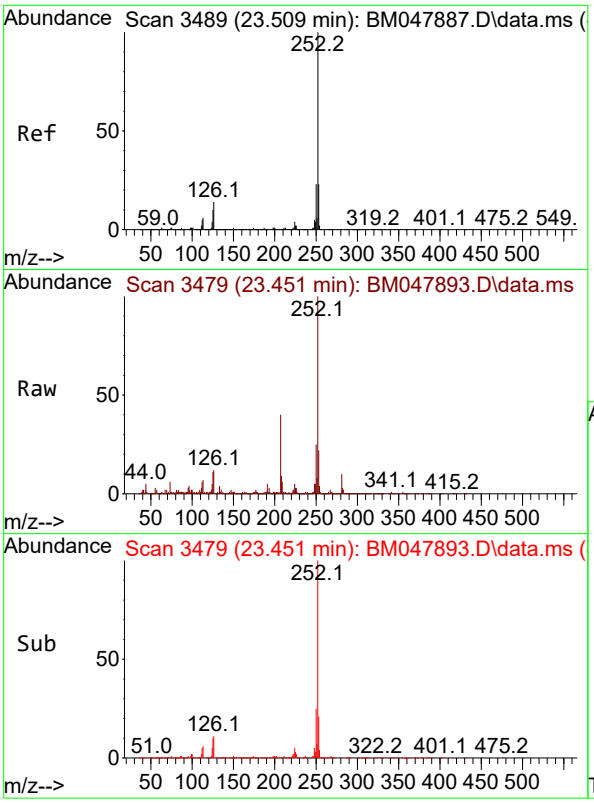




#90
Benzo(b)fluoranthene
Concen: 7.370 ng/ul
RT: 23.451 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:252 Resp: 767707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.2 |
| 125 | 10.7 | 9.0 | 13.4 |



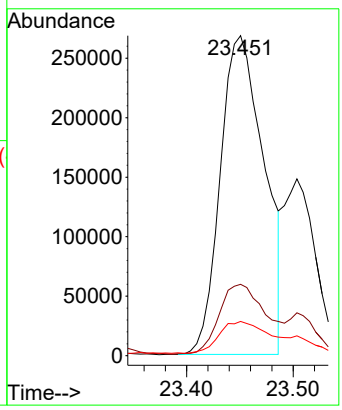


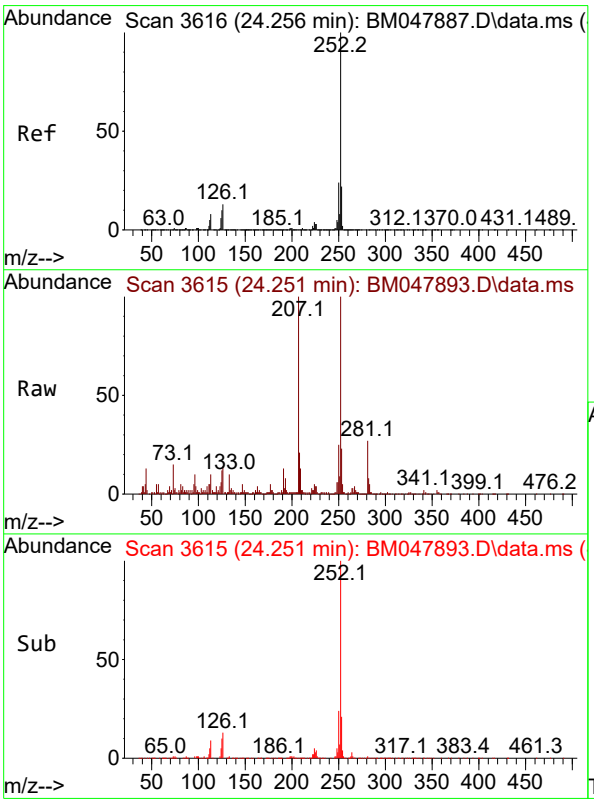

#91
Benzo(k)fluoranthene
Concen: 7.208 ng/ul
RT: 23.451 min Scan# 3
Delta R.T. -0.058 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:252 Resp: 767707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.5 | 26.3 |
| 125 | 10.7 | 8.9 | 13.3 |

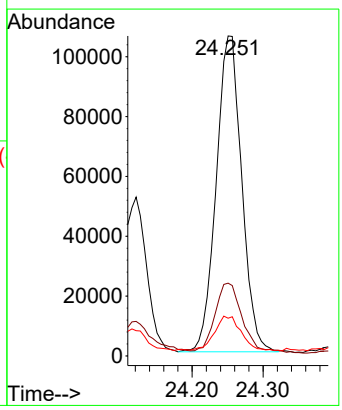


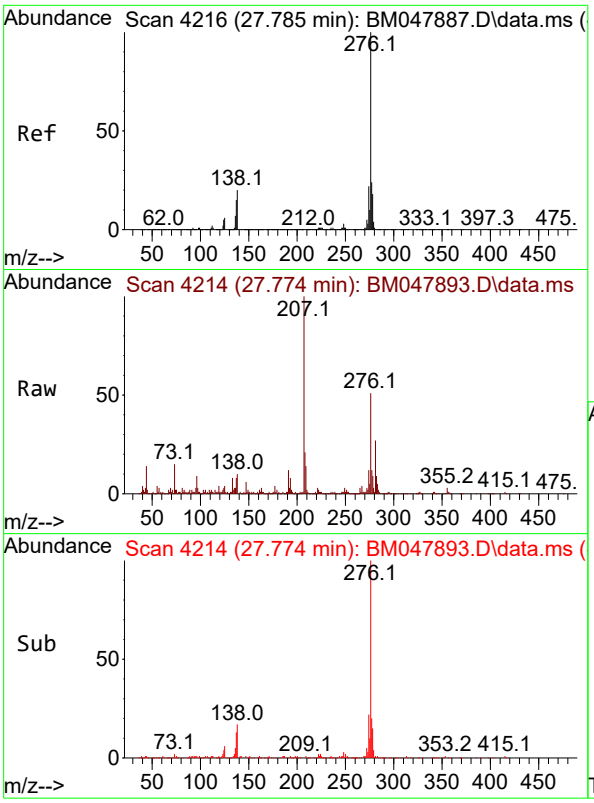




#93
Benzo(a)pyrene
Concen: 2.663 ng/ul
RT: 24.251 min Scan# 3615
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

Tgt Ion:252 Resp: 263472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.2 | 25.8 |
| 125 | 11.8 | 10.1 | 15.1 |






#94
Indeno(1,2,3-cd)pyrene
Concen: 1.797 ng/ul
RT: 27.774 min Scan# 4
Delta R.T. -0.005 min
Lab File: BM047893.D
Acq: 07 Oct 2024 21:03

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

Tgt Ion:276 Resp: 227849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.8 | 16.9 | 25.3 |
| 277 | 24.0 | 18.9 | 28.3 |