Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048162.D
Acq On : 21 Oct 2024 19:26
Operator : RC/JU
Sample : PB164164BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Quant Time: Oct 21 22:48:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.800 | 152 | 5414 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.579 | 136 | 18235 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.414 | 164 | 10344 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.167 | 188 | 20513 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.330 | 240 | 15719 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.595 | 264 | 16448 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.240 | 96 | 6387 | 0.868 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.185 | 152 | 11219 | 0.441 | ng/ul | -0.02 |
| 18) Fluoranthene-d10 | 19.188 | 212 | 23164 | 0.506 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.273 | 88 | 18187 | 2.104 | ng/ul# | 85 |
| 5) Naphthalene | 10.629 | 128 | 22245 | 0.449 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.262 | 142 | 13128 | 0.463 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.460 | 142 | 16789 | 0.515 | ng/ul | 100 |
| 10) Acenaphthylene | 14.137 | 152 | 20492 | 0.429 | ng/ul | 98 |
| 11) Acenaphthene | 14.474 | 153 | 15722 | 0.460 | ng/ul | 99 |
| 12) Fluorene | 15.478 | 166 | 16496 | 0.451 | ng/ul | 99 |
| 14) Pentachlorophenol | 16.829 | 266 | 5508 | 0.800 | ng/ul | 99 |
| 15) Phenanthrene | 17.209 | 178 | 22537 | 0.435 | ng/ul | 99 |
| 16) Anthracene | 17.314 | 178 | 20823 | 0.425 | ng/ul | 100 |
| 19) Fluoranthene | 19.216 | 202 | 30466 | 0.494 | ng/ul | 99 |
| 20) Pyrene | 19.574 | 202 | 33149 | 0.500 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.321 | 228 | 21593 | 0.446 | ng/ul | 100 |
| 22) Chrysene | 21.368 | 228 | 35176 | 0.477 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.911 | 252 | 25865 | 0.410 | ng/ul | 97 |
| 25) Benzo(k)fluoranthene | 22.958 | 252 | 32230 | 0.422 | ng/ul | 98 |
| 26) Benzo(a)pyrene | 23.501 | 252 | 25803 | 0.492 | ng/ul | 94 |
| 27) Indeno(1,2,3-cd)pyrene | 25.903 | 276 | 34536 | 0.439 | ng/ul# | 99 |
| 28) Dibenzo(a,h)anthracene | 25.930 | 278 | 25452 | 0.424 | ng/ul | 98 |
| 29) Benzo(g,h,i)perylene | 26.607 | 276 | 29548 | 0.450 | ng/ul | 99 |

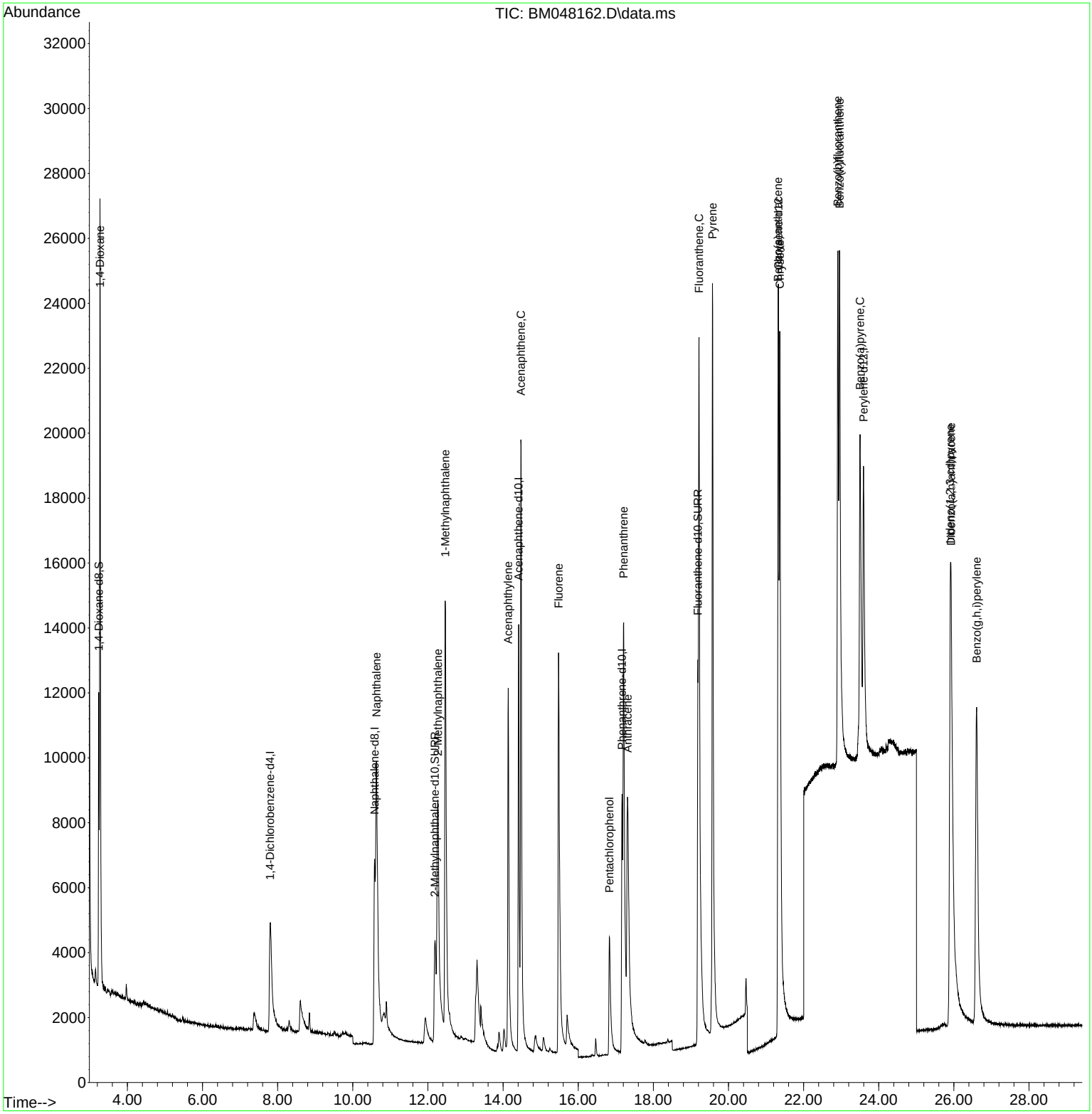
(#) = qualifier out of range (m) = manual integration (+) = signals summed

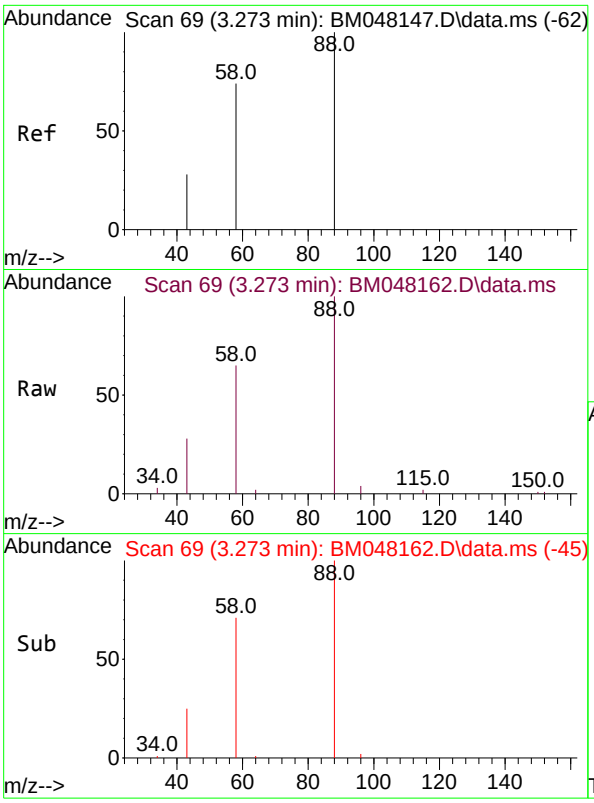
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102124\
Data File : BM048162.D
Acq On : 21 Oct 2024 19:26
Operator : RC/JU
Sample : PB164164BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Quant Time: Oct 21 22:48:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 19 00:48:23 2024
Response via : Initial Calibration



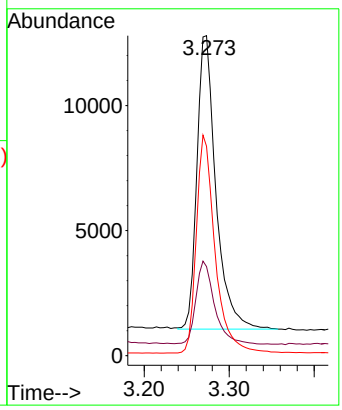


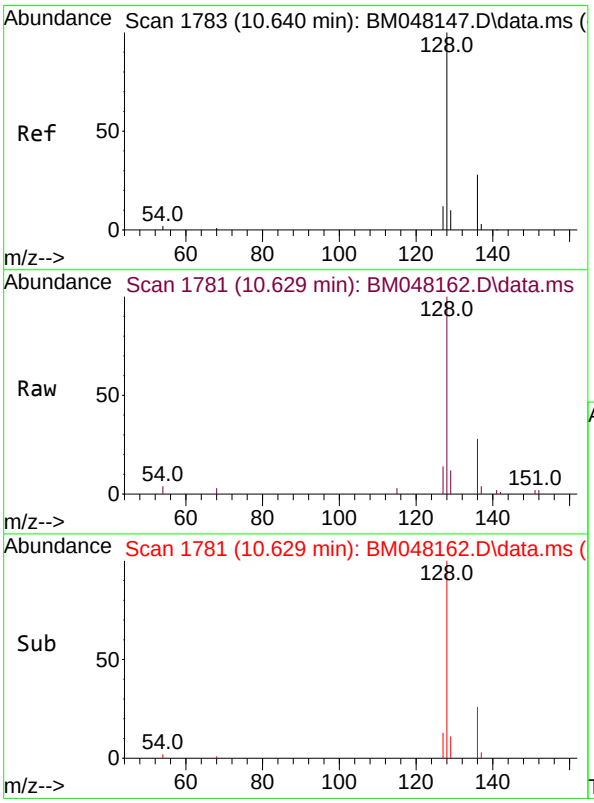

#2
1,4-Dioxane
Concen: 2.104 ng/ul
RT: 3.273 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion: 88 Resp: 18187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 27.9 | 27.7 | 41.5 |
| 58 | 65.5 | 42.5 | 63.7# |

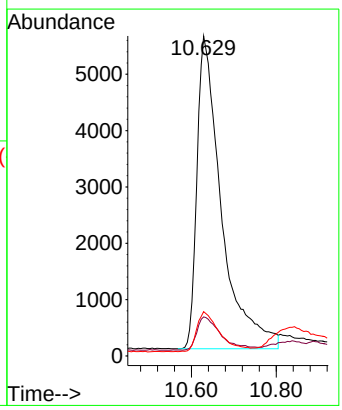


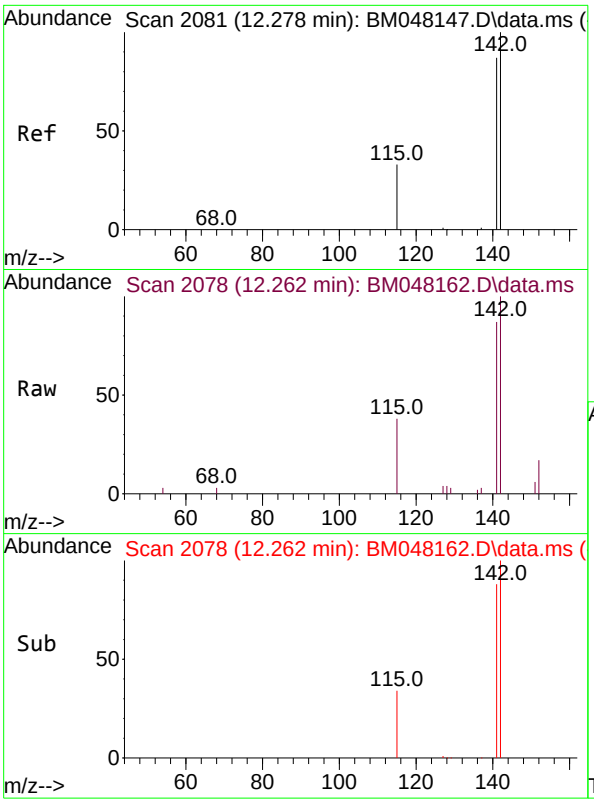




#5
Naphthalene
Concen: 0.449 ng/ul
RT: 10.629 min Scan# 1781
Delta R.T. -0.010 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:128 Resp: 22245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.2 | 10.6 | 15.8 |
| 127 | 13.9 | 11.3 | 16.9 |



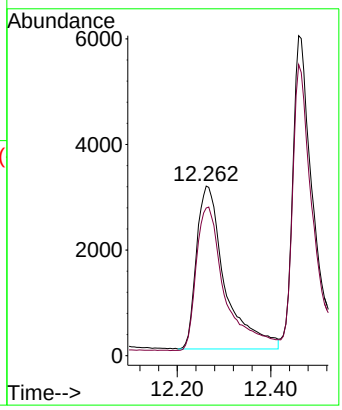


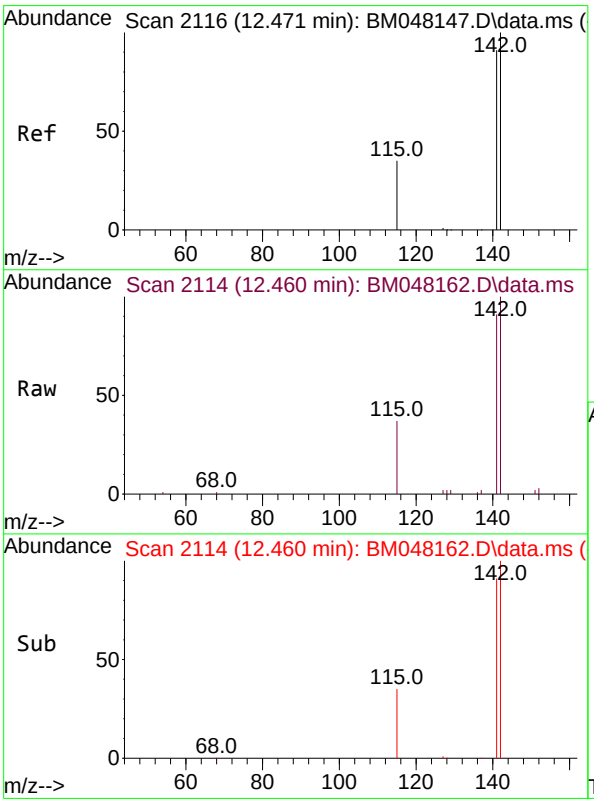

#7
2-Methylnaphthalene
Concen: 0.463 ng/ul
RT: 12.262 min Scan# 2
Delta R.T. -0.010 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:142 Resp: 13128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 71.9 | 107.9 |

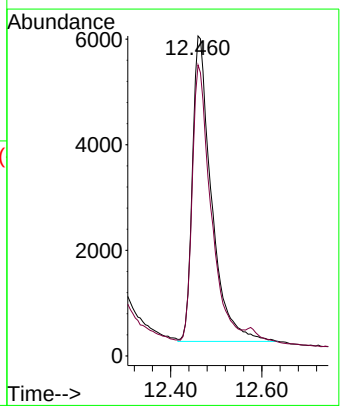


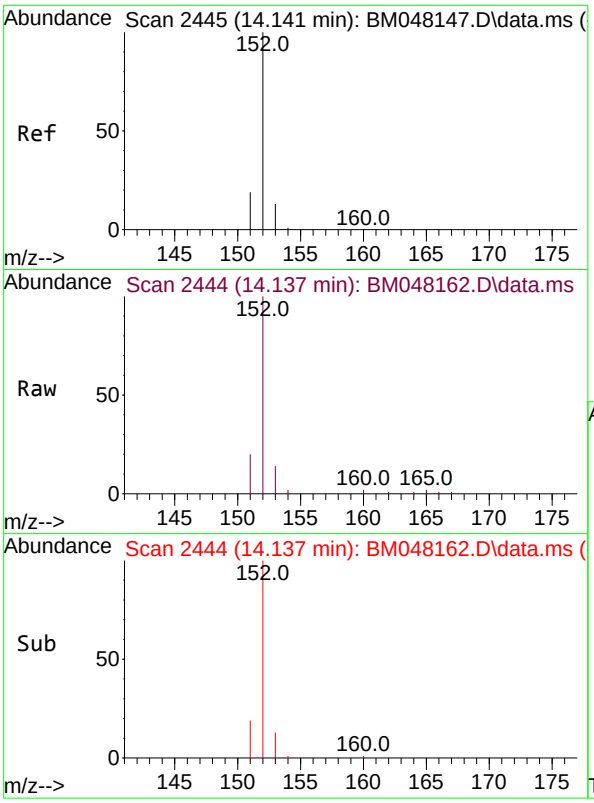




#8
1-Methylnaphthalene
Concen: 0.515 ng/ul
RT: 12.460 min Scan# 2114
Delta R.T. -0.010 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:142 Resp: 16789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 73.8 | 110.6 |



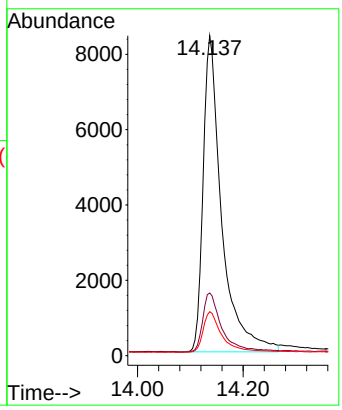


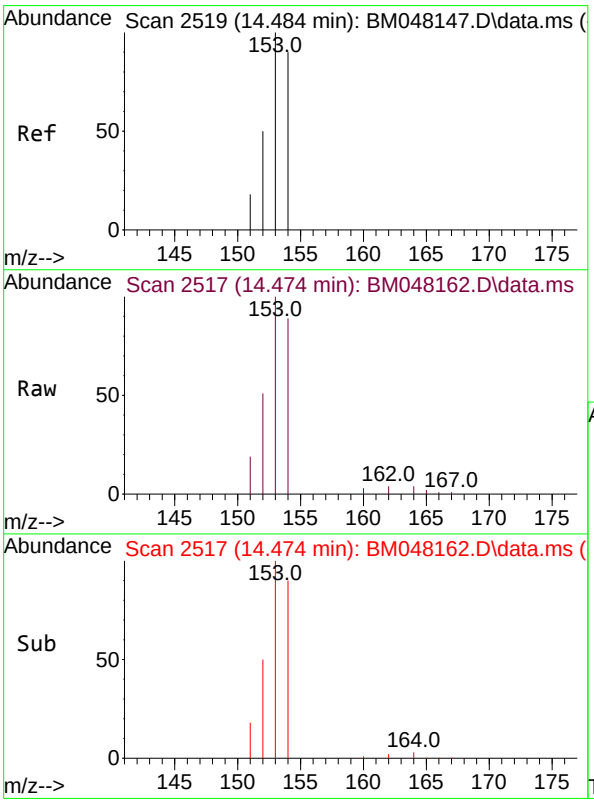

#10
Acenaphthylene
Concen: 0.429 ng/ul
RT: 14.137 min Scan# 24
Delta R.T. -0.008 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:152 Resp: 20492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.2 | 24.4 |
| 153 | 13.7 | 11.7 | 17.5 |

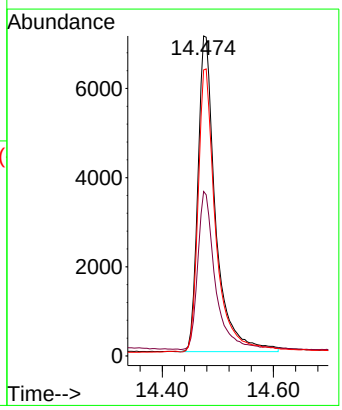


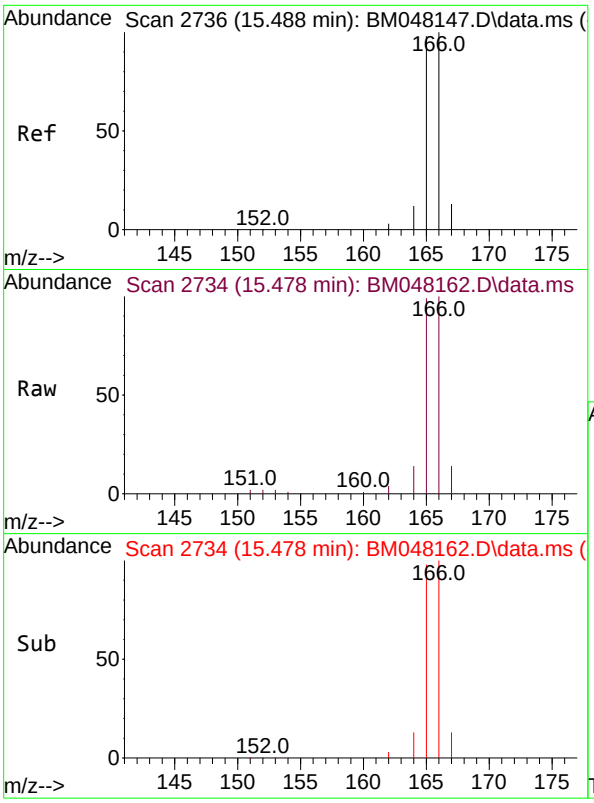




#11
Acenaphthene
Concen: 0.460 ng/ul
RT: 14.474 min Scan# 2517
Delta R.T. -0.008 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:153 Resp: 15722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.4 | 40.9 | 61.3 |
| 154 | 89.4 | 71.0 | 106.4 |



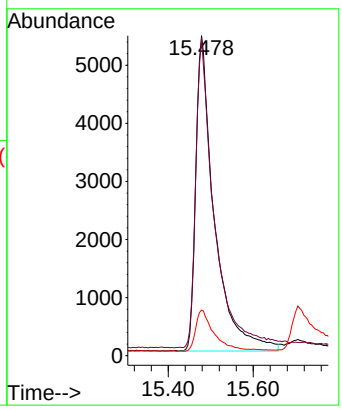


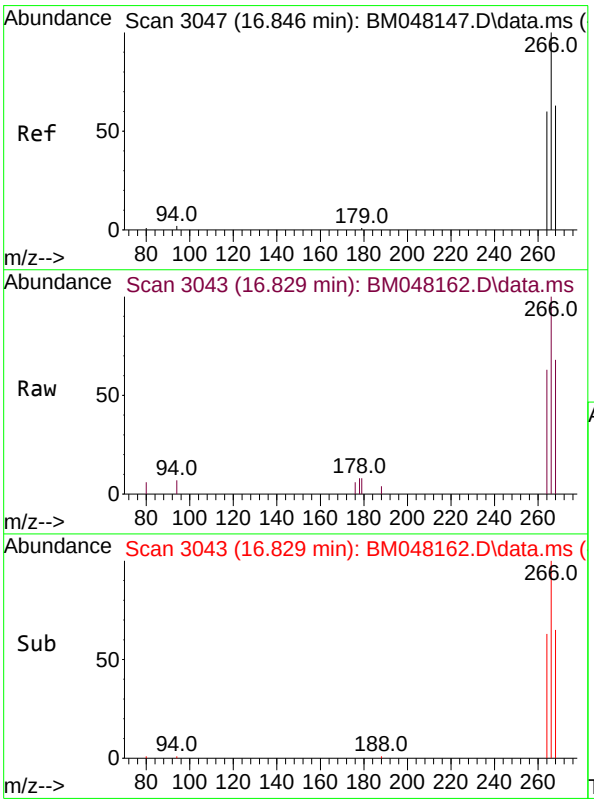

#12
Fluorene
Concen: 0.451 ng/ul
RT: 15.478 min Scan# 2
Delta R.T. -0.003 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:166 Resp: 16496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.3 | 79.1 | 118.7 |
| 167 | 14.2 | 12.0 | 18.0 |

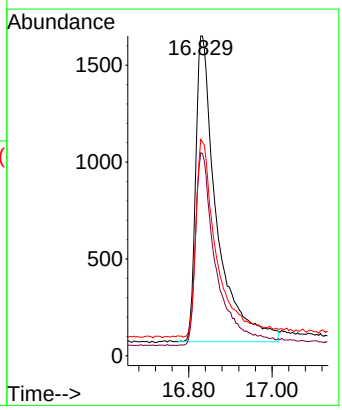


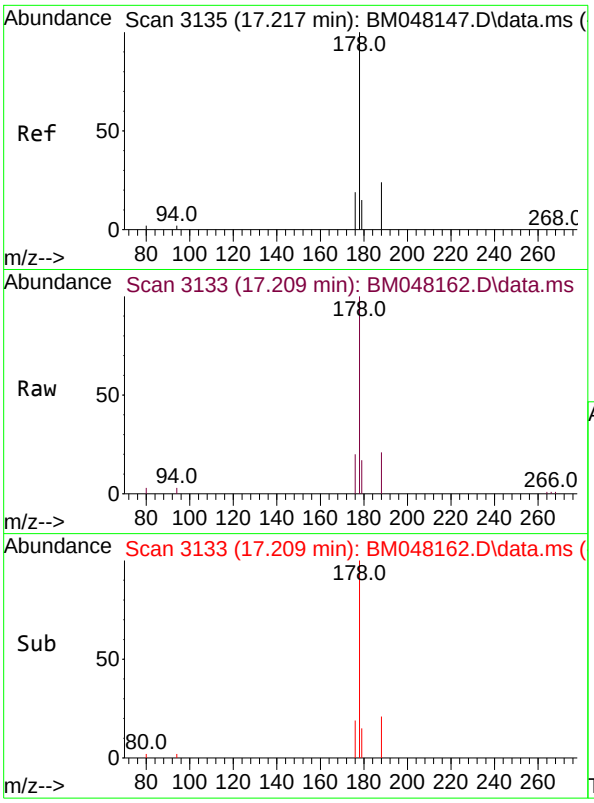




#14
Pentachlorophenol
Concen: 0.800 ng/ul
RT: 16.829 min Scan# 3043
Delta R.T. -0.012 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:266 Resp: 5508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.3 | 50.2 | 75.2 |
| 268 | 65.5 | 51.8 | 77.6 |



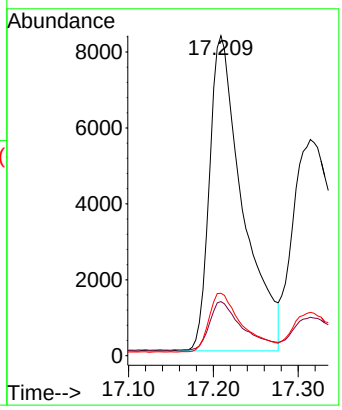


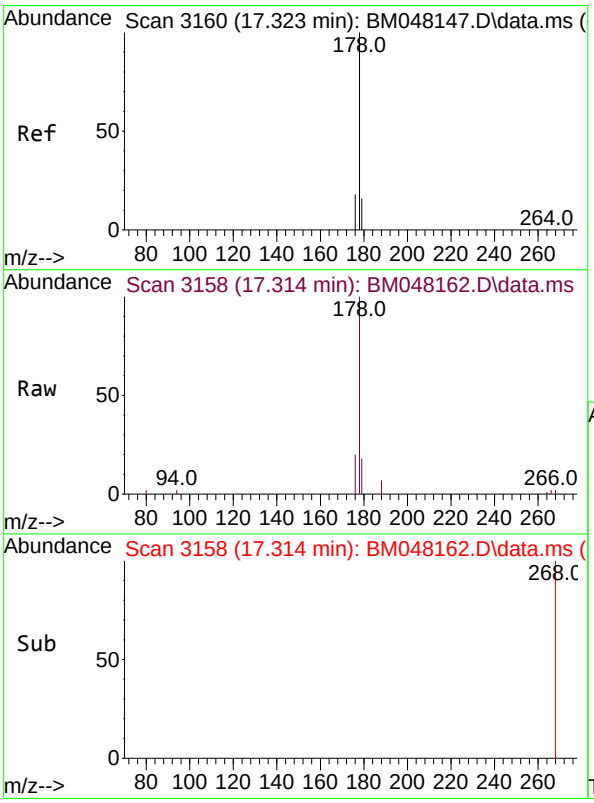

#15
Phenanthrene
Concen: 0.435 ng/ul
RT: 17.209 min Scan# 3
Delta R.T. -0.007 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:178 Resp: 22537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.9 | 13.2 | 19.8 |
| 176 | 19.5 | 16.0 | 24.0 |

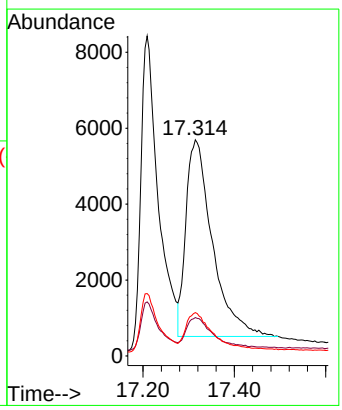


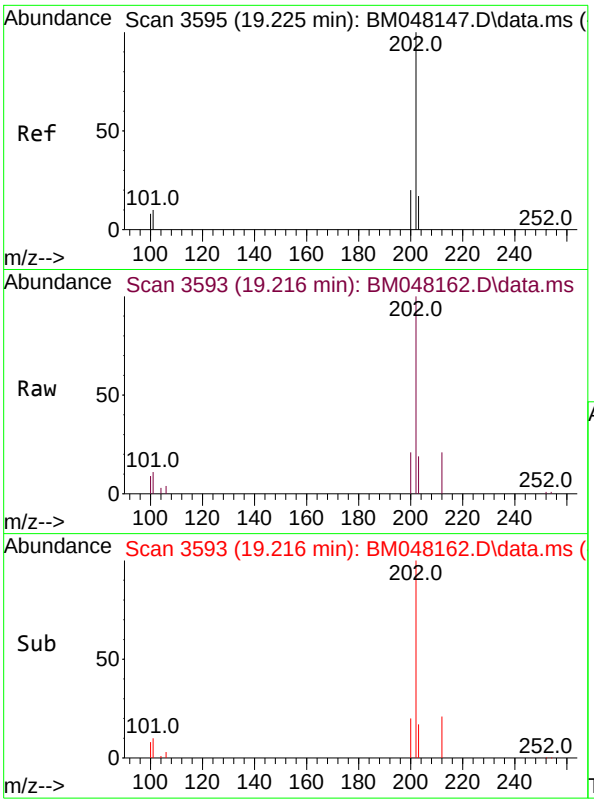




#16
Anthracene
Concen: 0.425 ng/ul
RT: 17.314 min Scan# 3158
Delta R.T. -0.007 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:178 Resp: 20823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.7 | 14.5 | 21.7 |
| 176 | 20.1 | 16.0 | 24.0 |



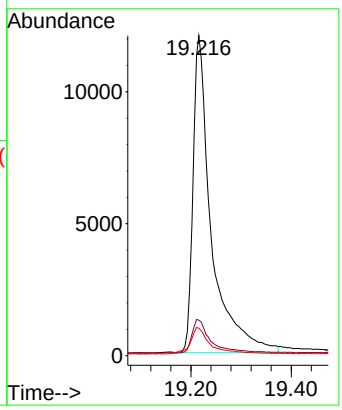


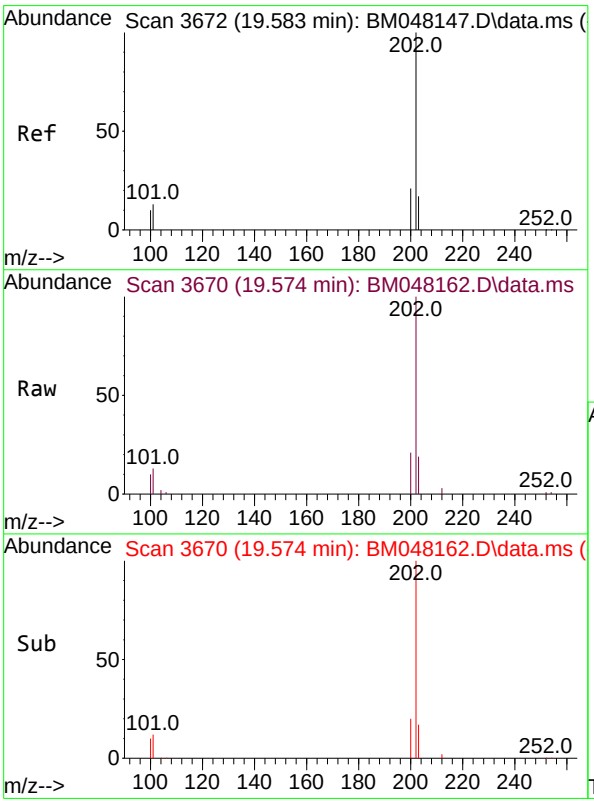

#19
Fluoranthene
Concen: 0.494 ng/ul
RT: 19.216 min Scan# 3
Delta R.T. -0.003 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:202 Resp: 30466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 9.3 | 13.9 |
| 100 | 8.6 | 7.1 | 10.7 |

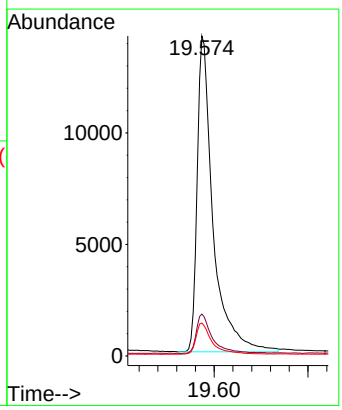


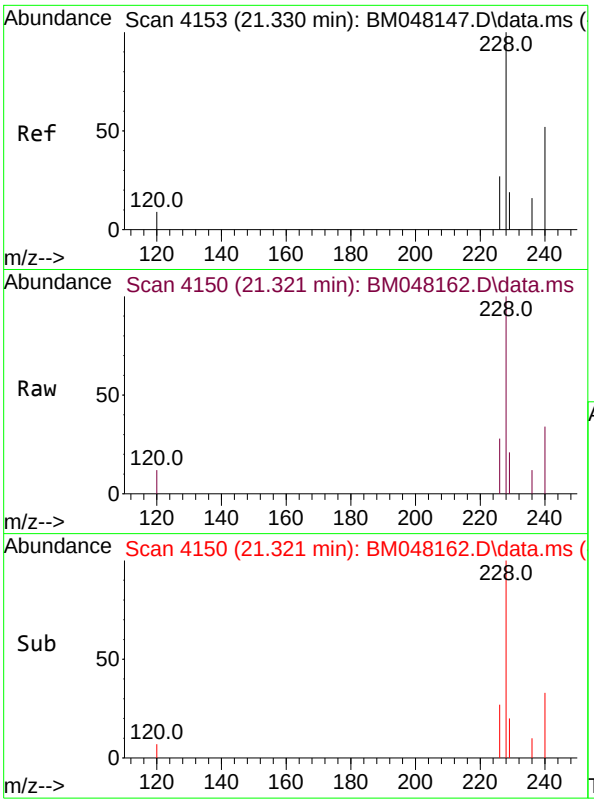




#20
Pyrene
Concen: 0.500 ng/ul
RT: 19.574 min Scan# 3670
Delta R.T. -0.008 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:202 Resp: 33149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 10.6 | 16.0 |
| 100 | 10.3 | 8.1 | 12.1 |





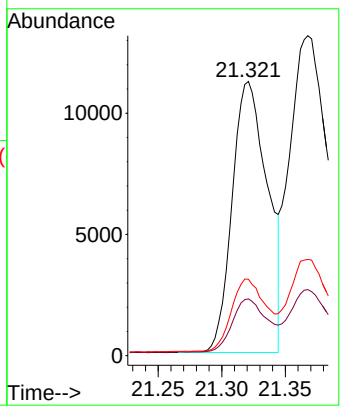

#21
Benzo(a)anthracene
Concen: 0.446 ng/ul
RT: 21.321 min Scan# 4

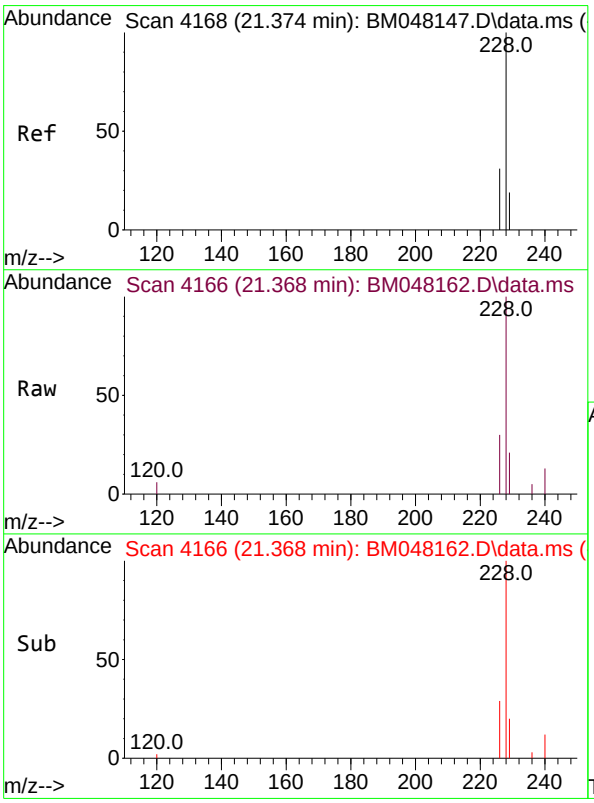
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Delta R.T. -0.001 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:228 Resp: 21593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.7 | 16.4 | 24.6 |
| 226 | 27.9 | 22.5 | 33.7 |

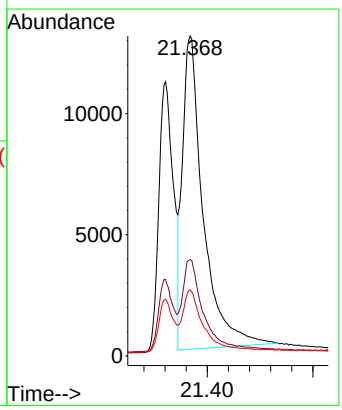


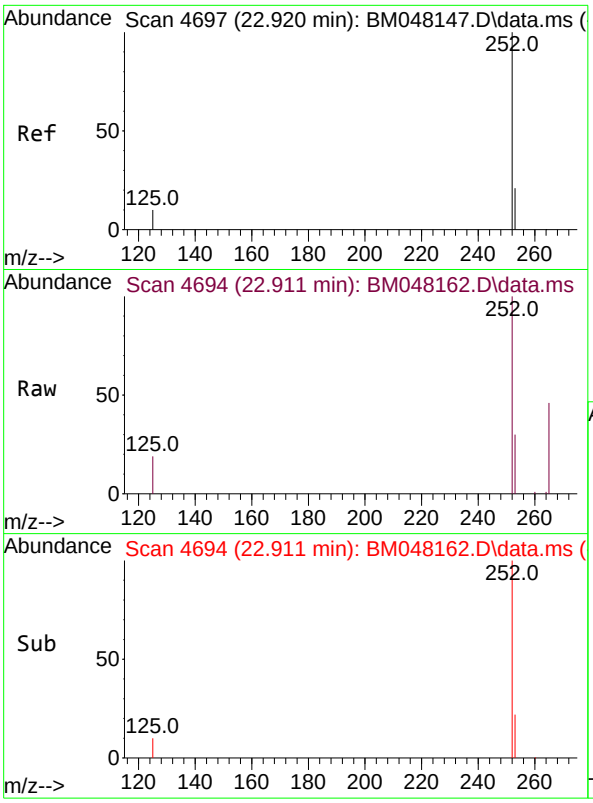




#22
Chrysene
Concen: 0.477 ng/ul
RT: 21.368 min Scan# 4166
Delta R.T. -0.003 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:228 Resp: 35176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 20.6 | 16.1 | 24.1 |



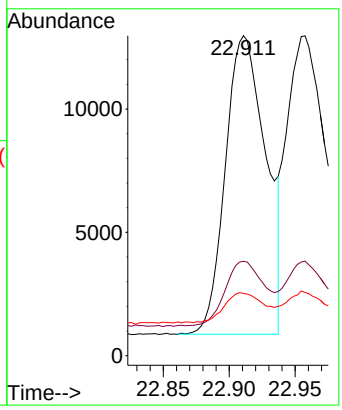


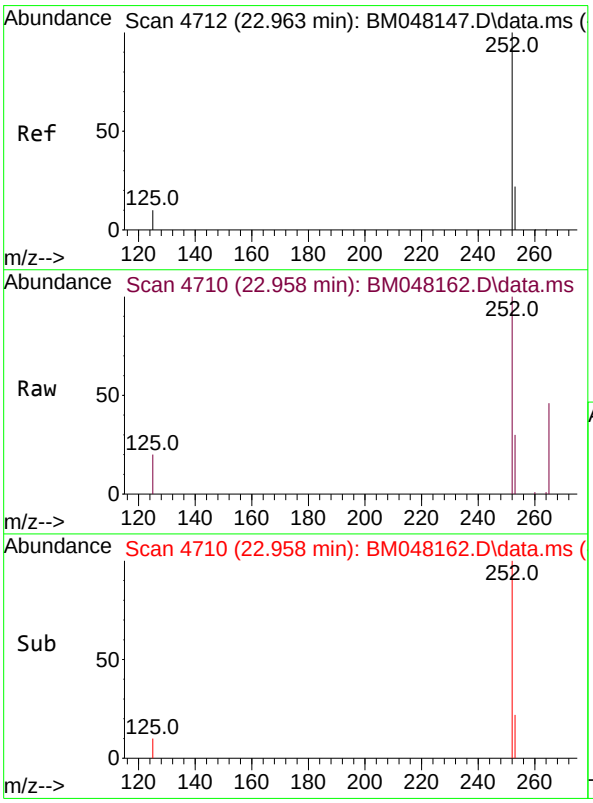

#24
Benzo(b)fluoranthene
Concen: 0.410 ng/ul
RT: 22.911 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:252 Resp: 25865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.5 | 0.0 | 61.6 |
| 125 | 19.4 | 0.0 | 42.8 |

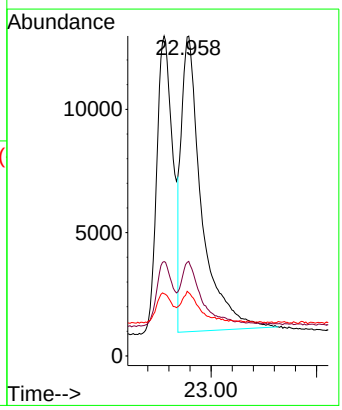


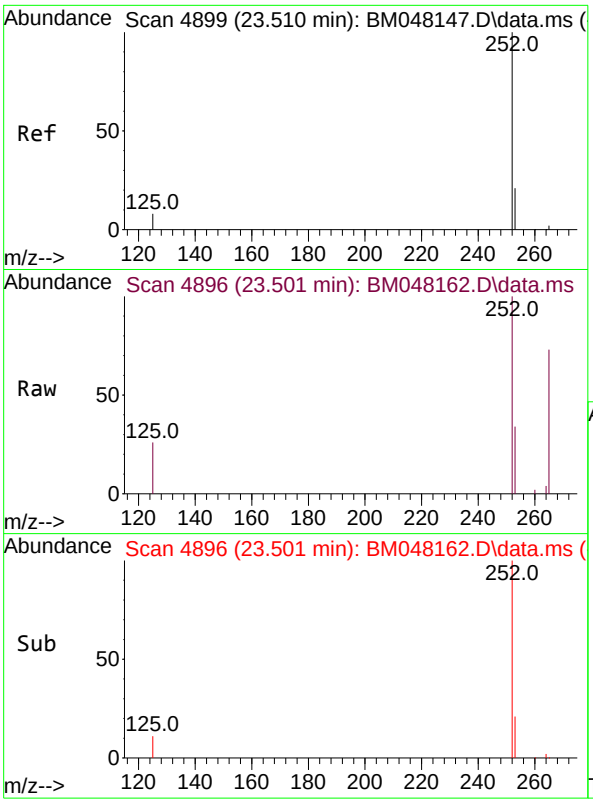




#25
Benzo(k)fluoranthene
Concen: 0.422 ng/ul
RT: 22.958 min Scan# 4710
Delta R.T. -0.003 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:252 Resp: 32230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.6 | 24.4 | 36.6 |
| 125 | 19.7 | 16.8 | 25.2 |



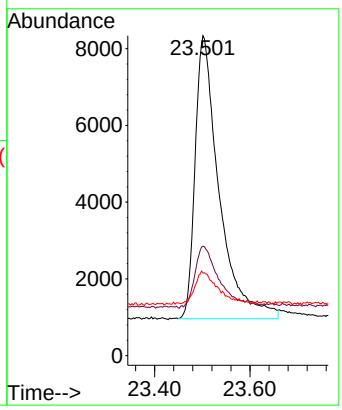


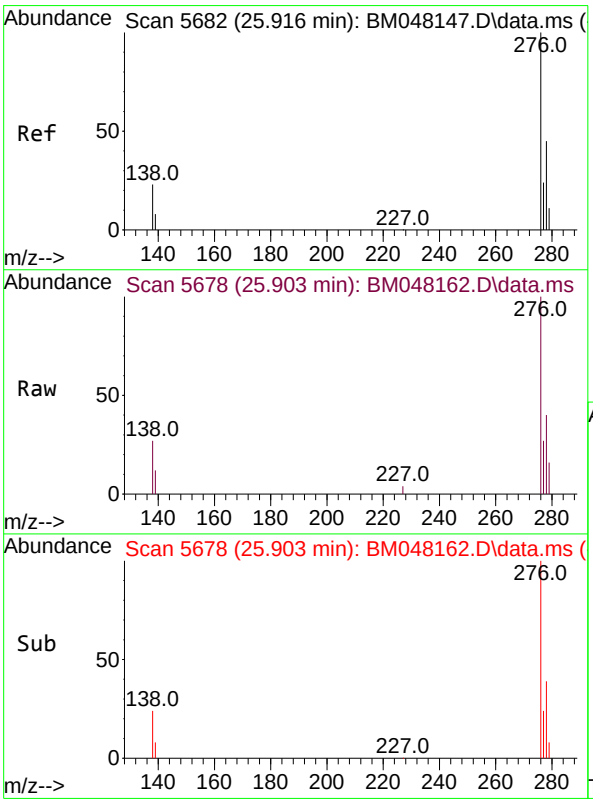

#26
Benzo(a)pyrene
Concen: 0.492 ng/ul
RT: 23.501 min Scan# 4
Delta R.T. -0.003 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:252 Resp: 25803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 34.2 | 29.0 | 43.4 |
| 125 | 25.9 | 24.4 | 36.6 |

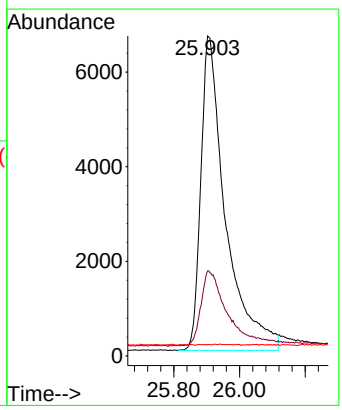


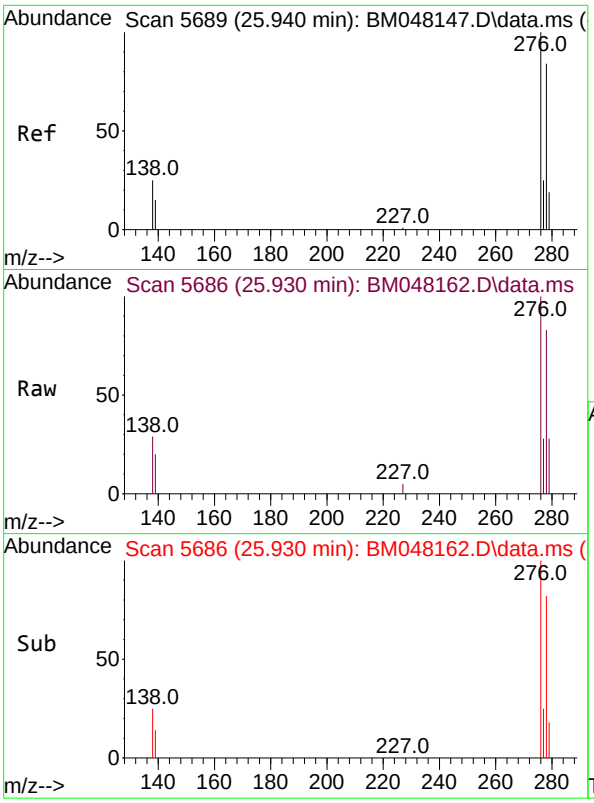




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.439 ng/ul
RT: 25.903 min Scan# 5678
Delta R.T. -0.011 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:276 Resp: 34536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.8 | 20.2 | 30.2 |
| 227 | 0.0 | 0.0 | 0.0# |



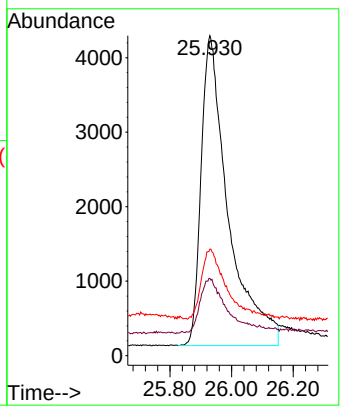


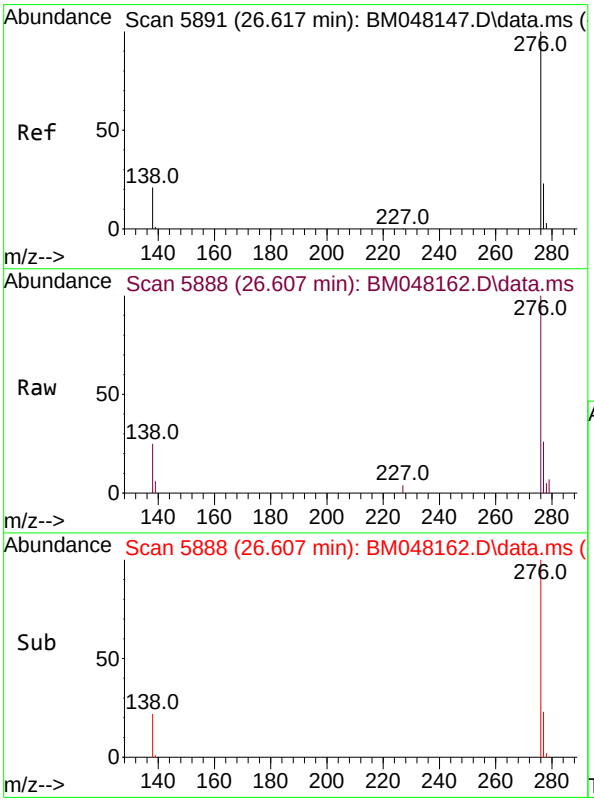

#28
Dibenzo(a,h)anthracene
Concen: 0.424 ng/ul
RT: 25.930 min Scan# 5
Delta R.T. -0.001 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS164

Tgt Ion:278 Resp: 25452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 24.1 | 18.9 | 28.3 |
| 279 | 33.3 | 27.6 | 41.4 |




#29
Benzo(g,h,i)perylene
Concen: 0.450 ng/ul
RT: 26.607 min Scan# 5888
Delta R.T. -0.001 min
Lab File: BM048162.D
Acq: 21 Oct 2024 19:26

Tgt Ion:276 Resp: 29548

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.2 | 20.3 | 30.5 |
| 277 | 26.0 | 20.4 | 30.6 |