Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042224\
Data File : BM045498.D
Acq On : 23 Apr 2024 02:41
Operator : MA/JU
Sample : P2037-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Quant Time: Apr 23 08:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 02:57:45 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.555 | 152 | 954 | 0.400 | ng/ul | -0.06 |
| 4) Naphthalene-d8 | 10.320 | 136 | 3296 | 0.400 | ng/ul | #-0.05 |
| 9) Acenaphthene-d10 | 14.205 | 164 | 1945 | 0.400 | ng/ul | -0.02 |
| 13) Phenanthrene-d10 | 17.064 | 188 | 204113 | 0.400 | ng/ul | # 0.06 |
| 17) Chrysene-d12 | 21.193 | 240 | 3017 | 0.400 | ng/ul | -0.02 |
| 23) Perylene-d12 | 23.382 | 264 | 3968 | 0.400 | ng/ul | #-0.03 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.163 | 96 | 4034 | 3.155 | ng/ul | -0.01 |
| 6) 2-Methylnaphthalene-d10 | 11.942 | 152 | 1024 | 0.236 | ng/ul | -0.04 |
| 18) Fluoranthene-d10 | 19.010 | 212 | 2440 | 0.257 | ng/ul | -0.03 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.369 | 128 | 733 | 0.083 | ng/ul# | 91 |
| 7) 2-Methylnaphthalene | 12.019 | 142 | 355 | 0.070 | ng/ul | 97 |
| 8) 1-Methylnaphthalene | 12.233 | 142 | 205 | 0.036 | ng/ul | 97 |
| 10) Acenaphthylene | 13.918 | 152 | 266 | 0.028 | ng/ul# | 50 |
| 19) Fluoranthene | 19.038 | 202 | 6059 | 0.435 | ng/ul# | 93 |
| 20) Pyrene | 19.401 | 202 | 4865 | 0.340 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.181 | 228 | 2602 | 0.270 | ng/ul | 94 |
| 22) Chrysene | 21.228 | 228 | 3131 | 0.211 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 22.721 | 252 | 5181 | 0.388 | ng/ul | 85 |
| 25) Benzo(k)fluoranthene | 22.721 | 252 | 6385 | 0.379 | ng/ul# | 85 |
| 26) Benzo(a)pyrene | 23.274 | 252 | 2129 | 0.154 | ng/ul# | 65 |
| 27) Indeno(1,2,3-cd)pyrene | 25.585 | 276 | 2453 | 0.122 | ng/ul# | 96 |
| 28) Dibenzo(a,h)anthracene | 25.595 | 278 | 613 | 0.038 | ng/ul# | 15 |
| 29) Benzo(g,h,i)perylene | 26.249 | 276 | 2781 | 0.154 | ng/ul | 93 |

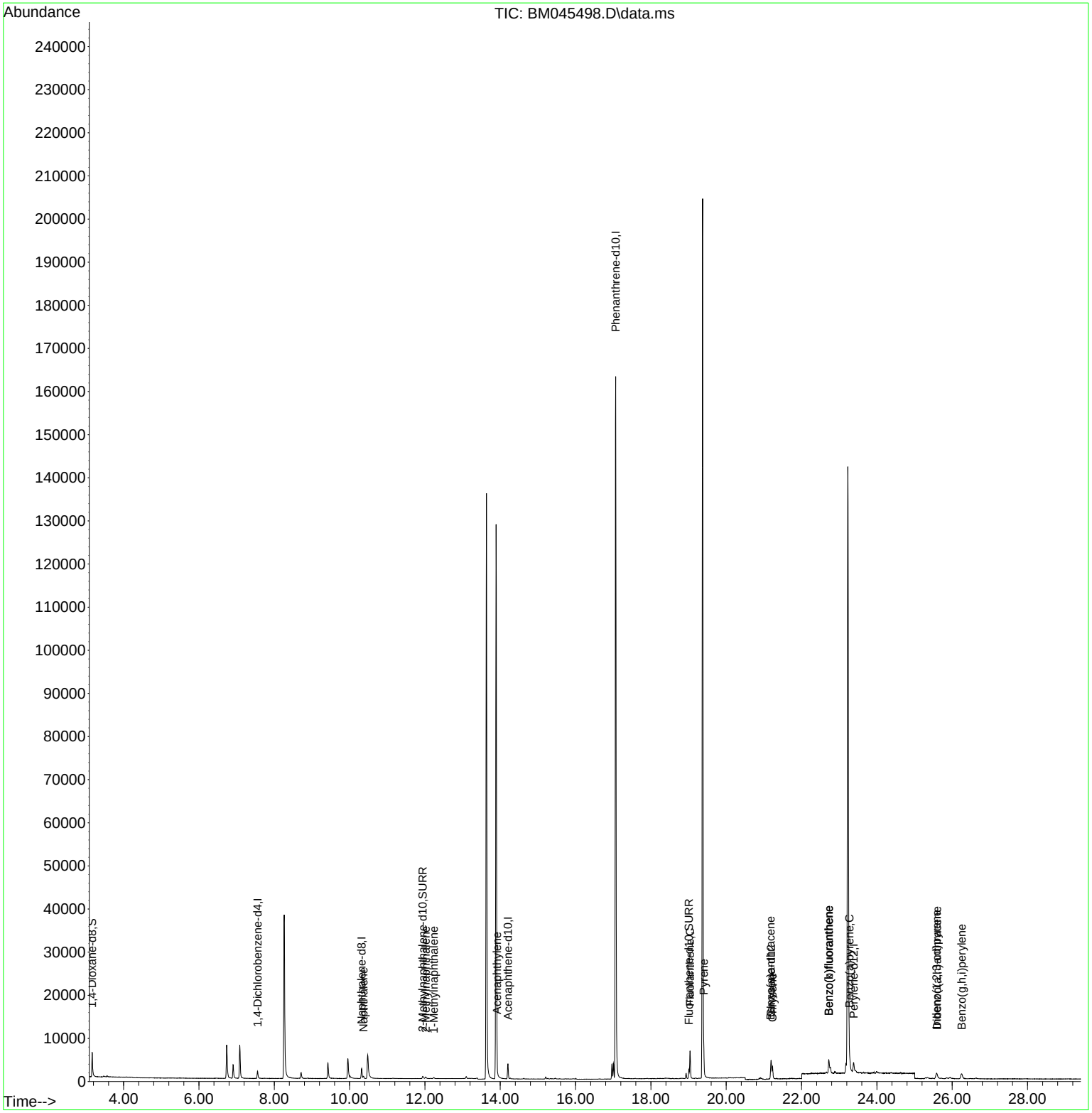
(#) = qualifier out of range (m) = manual integration (+) = signals summed

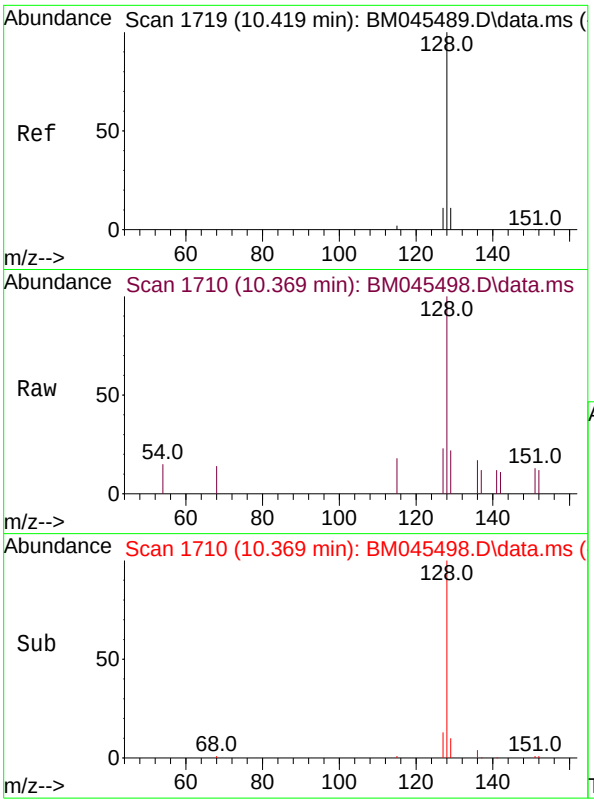
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042224\
Data File : BM045498.D
Acq On : 23 Apr 2024 02:41
Operator : MA/JU
Sample : P2037-21
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Quant Time: Apr 23 08:32:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 02:57:45 2024
Response via : Initial Calibration



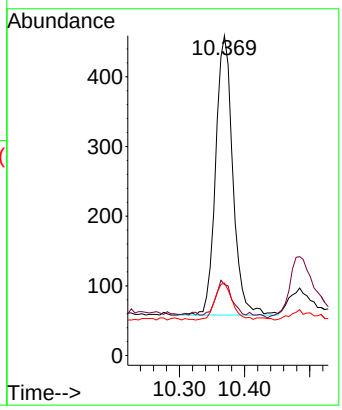


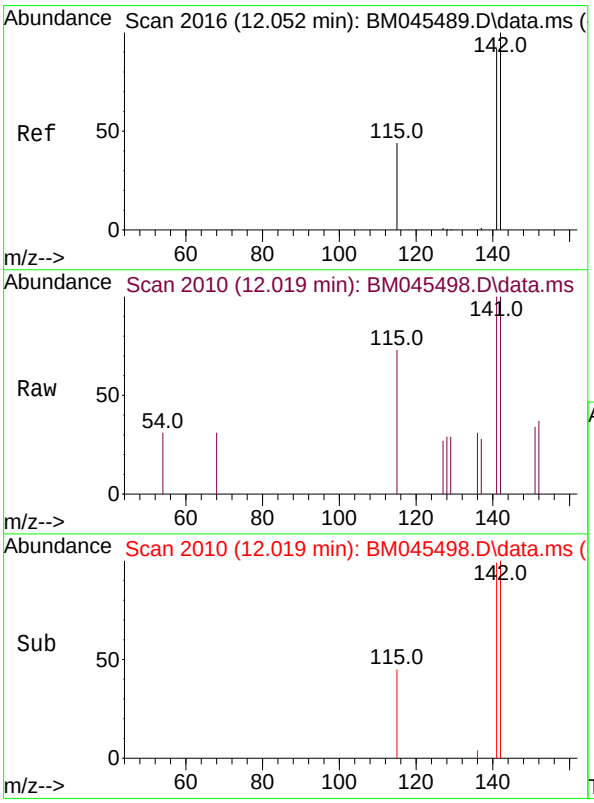

#5
Naphthalene
Concen: 0.083 ng/ul
RT: 10.369 min Scan# 1
Delta R.T. -0.050 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:128 Resp: 733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 22.2 | 14.0 | 21.0# |
| 127 | 22.7 | 15.4 | 23.2 |

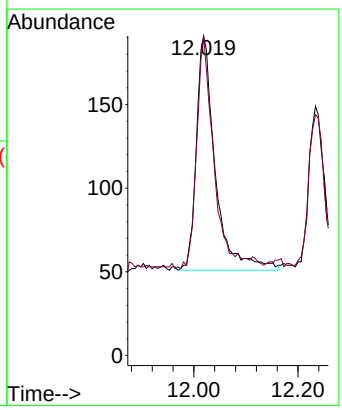


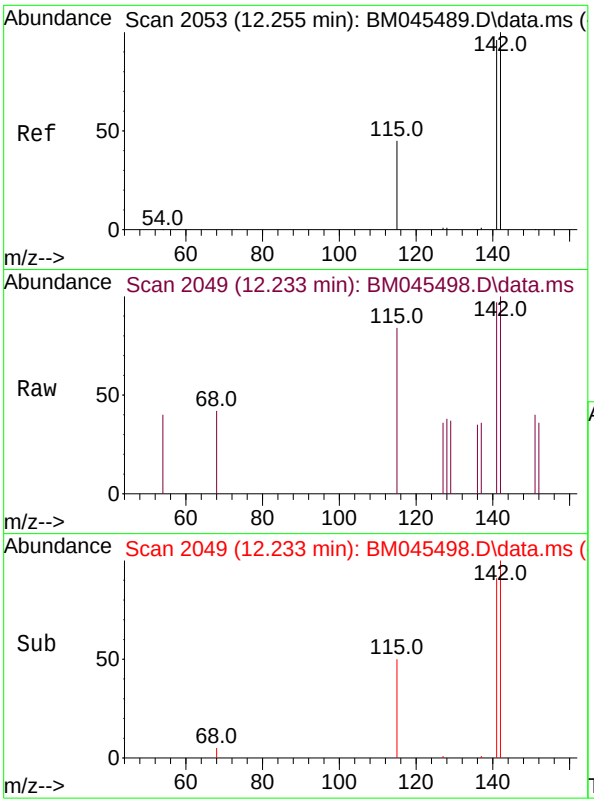




#7
2-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 12.019 min Scan# 2010
Delta R.T. -0.033 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:142 Resp: 355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 74.6 | 111.8 |



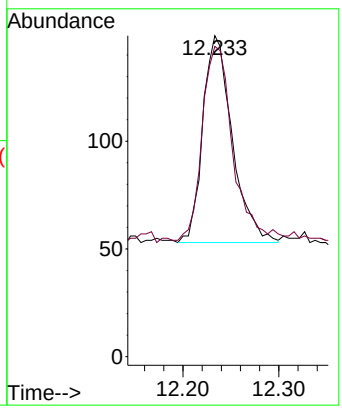


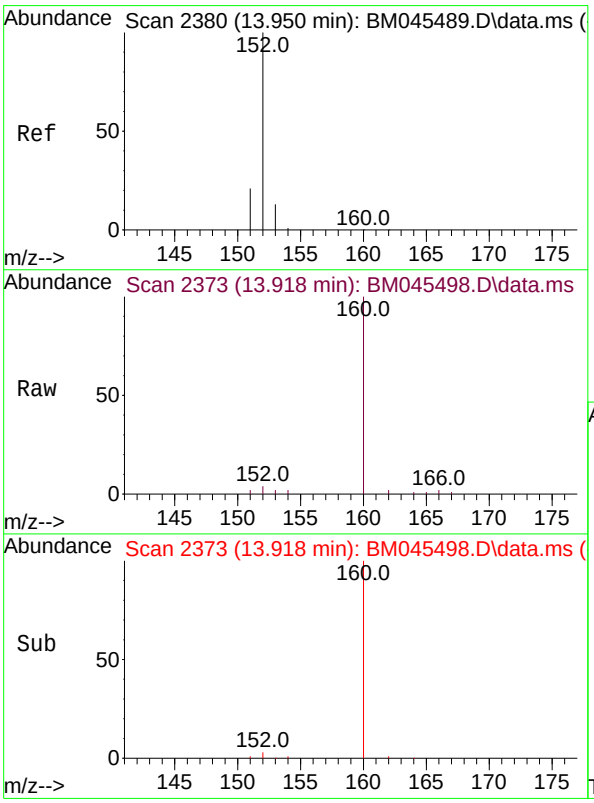

#8
1-Methylnaphthalene
Concen: 0.036 ng/ul
RT: 12.233 min Scan# 2
Delta R.T. -0.022 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:142 Resp: 205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.0 | 76.1 | 114.1 |

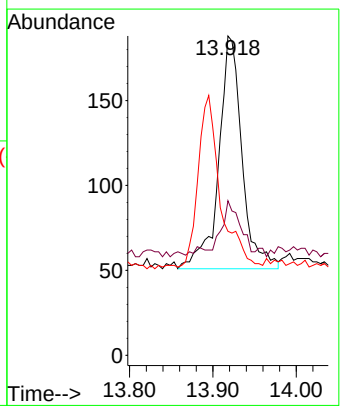


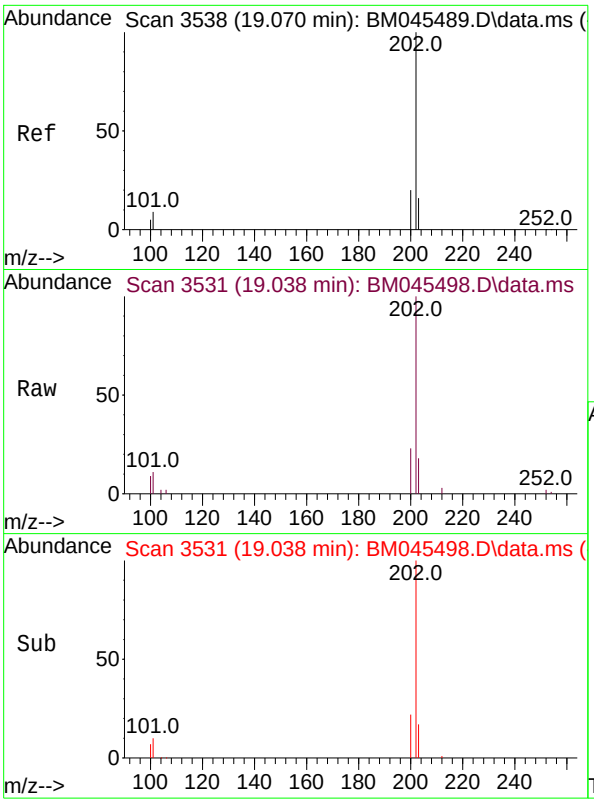




#10
Acenaphthylene
Concen: 0.028 ng/ul
RT: 13.918 min Scan# 2373
Delta R.T. -0.032 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:152 Resp: 266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 48.4 | 18.6 | 28.0# |
| 153 | 38.8 | 14.1 | 21.1# |



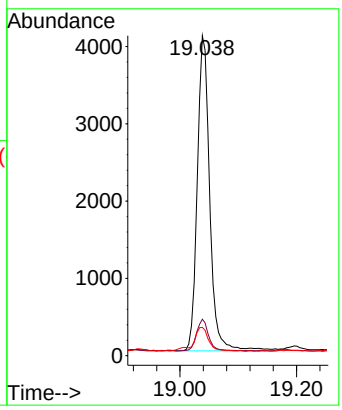


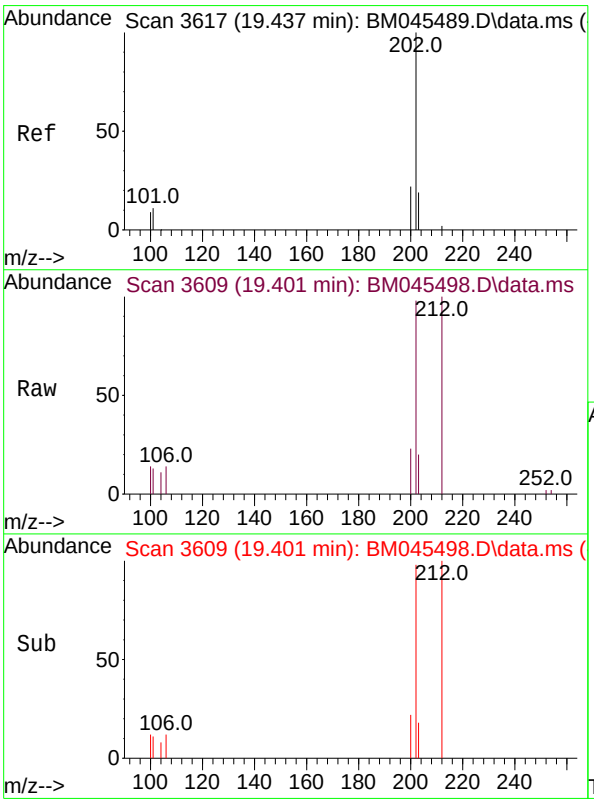

#19
Fluoranthene
Concen: 0.435 ng/ul
RT: 19.038 min Scan# 3
Delta R.T. -0.032 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:202 Resp: 6059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 11.2 | 16.8 |
| 100 | 8.8 | 9.1 | 13.7# |

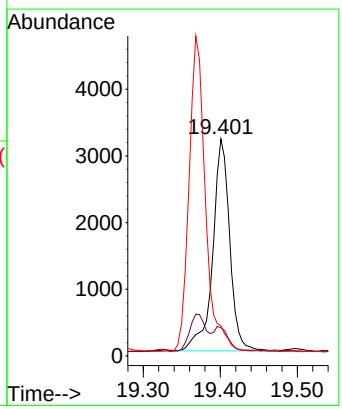


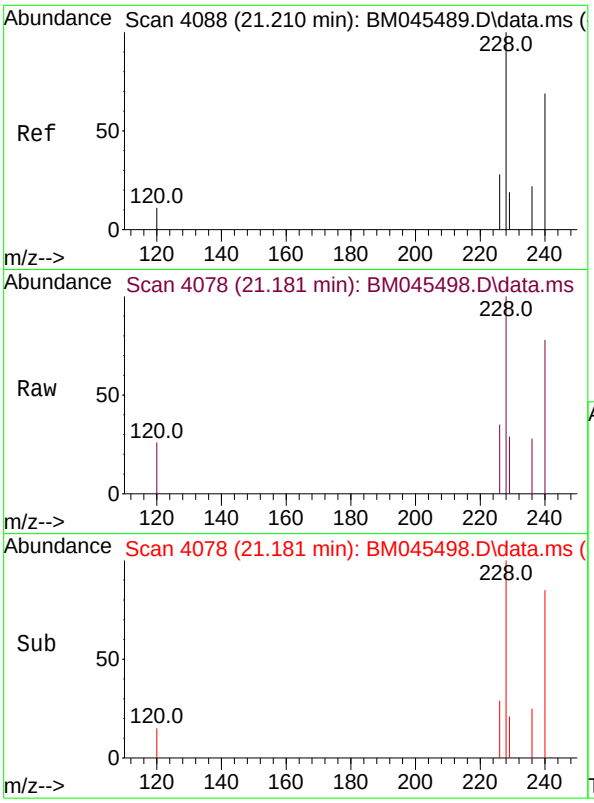




#20
Pyrene
Concen: 0.340 ng/ul
RT: 19.401 min Scan# 3609
Delta R.T. -0.037 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:202 Resp: 4865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 11.5 | 17.3 |
| 100 | 13.9 | 10.6 | 15.8 |



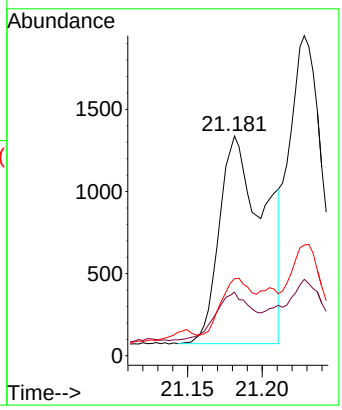


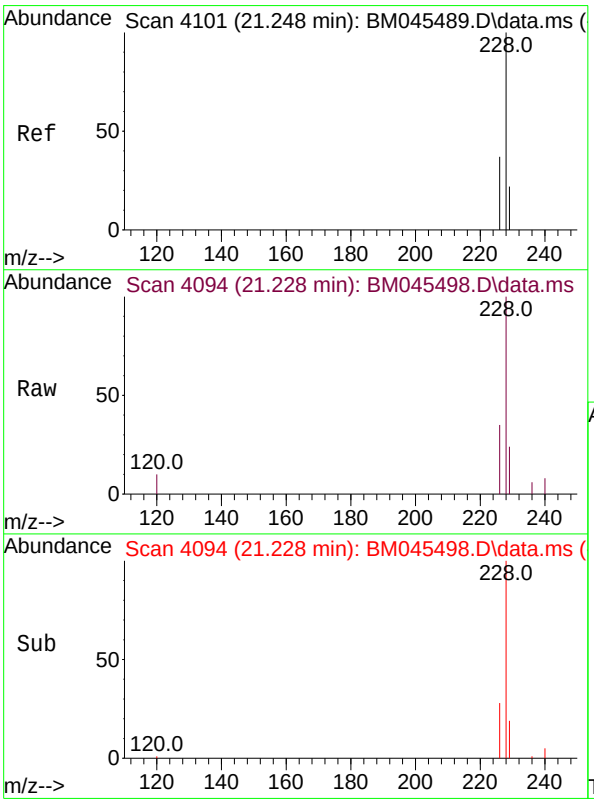

#21
Benzo(a)anthracene
Concen: 0.270 ng/ul
RT: 21.181 min Scan# 4
Delta R.T. -0.029 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:228 Resp: 2602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 28.9 | 19.4 | 29.2 |
| 226 | 35.1 | 26.3 | 39.5 |

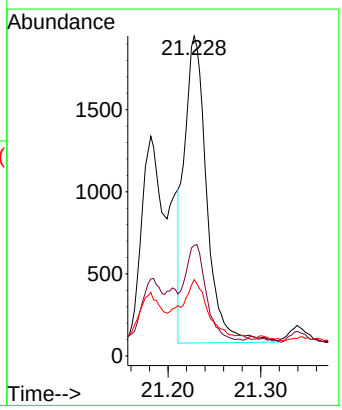


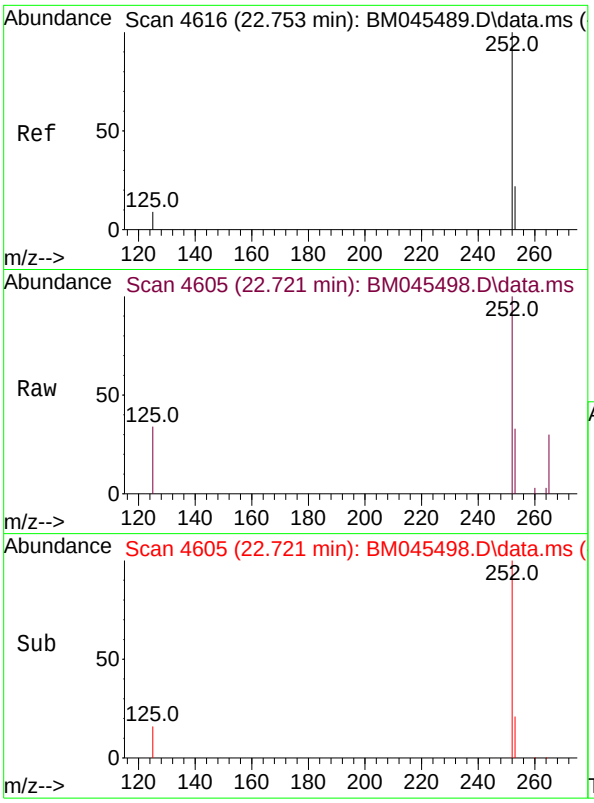




#22
Chrysene
Concen: 0.211 ng/ul
RT: 21.228 min Scan# 4094
Delta R.T. -0.020 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:228 Resp: 3131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.6 | 26.3 | 39.5 |
| 229 | 23.9 | 17.8 | 26.8 |



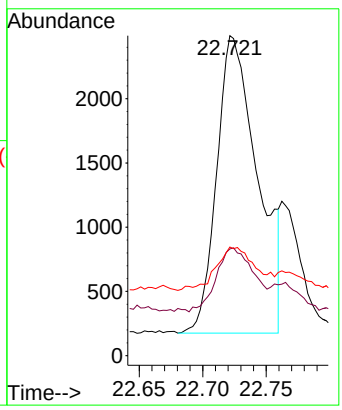


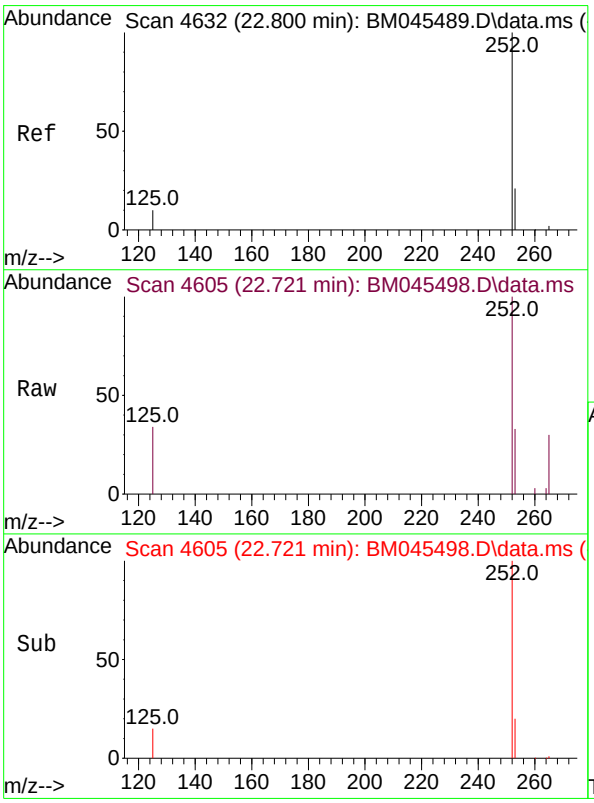

#24
Benzo(b)fluoranthene
Concen: 0.388 ng/ul
RT: 22.721 min Scan# 4
Delta R.T. -0.032 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:252 Resp: 5181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.3 | 0.0 | 63.4 |
| 125 | 34.0 | 0.0 | 36.8 |

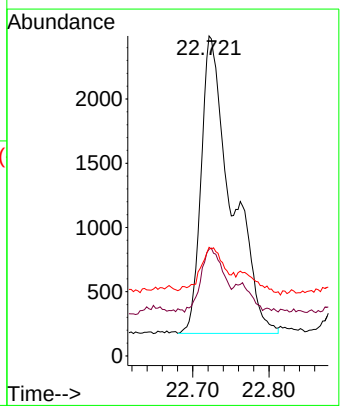


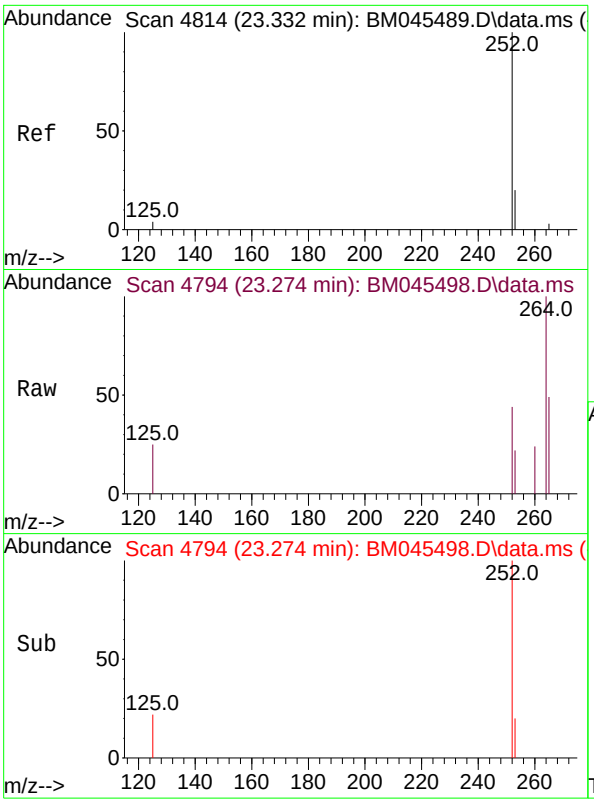




#25
Benzo(k)fluoranthene
Concen: 0.379 ng/ul
RT: 22.721 min Scan# 4605
Delta R.T. -0.079 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:252 Resp: 6385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.3 | 25.4 | 38.0 |
| 125 | 34.0 | 14.8 | 22.2# |



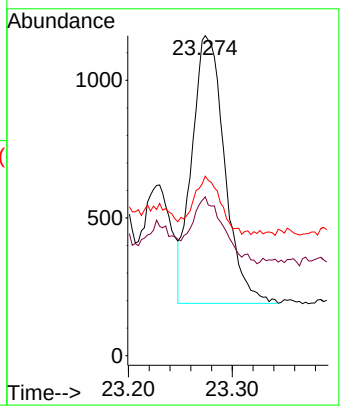


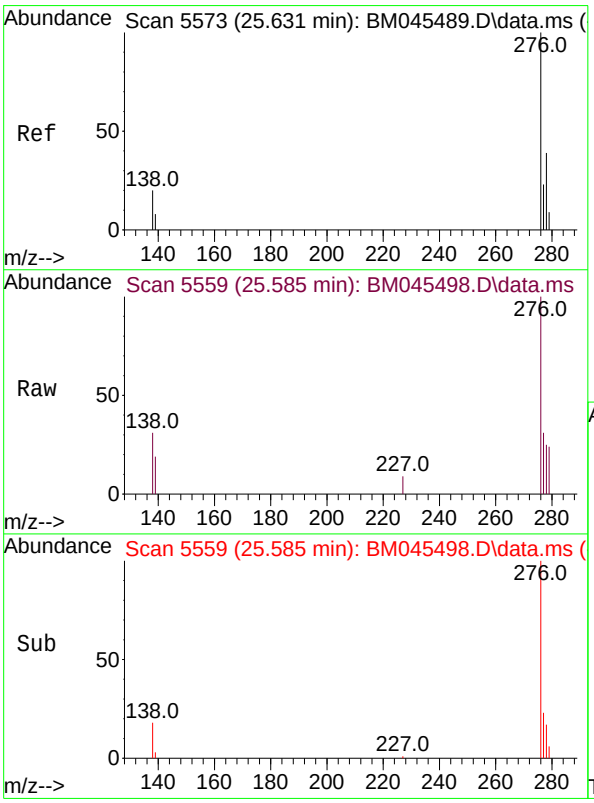

#26
Benzo(a)pyrene
Concen: 0.154 ng/ul
RT: 23.274 min Scan# 4
Delta R.T. -0.058 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:252 Resp: 2129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 49.7 | 31.6 | 47.4# |
| 125 | 56.1 | 19.5 | 29.3# |

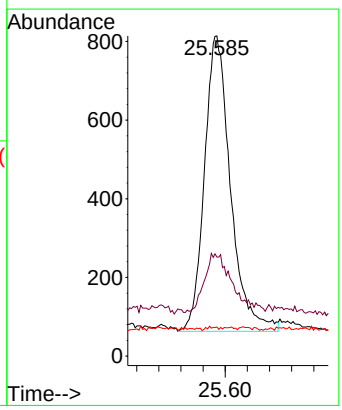


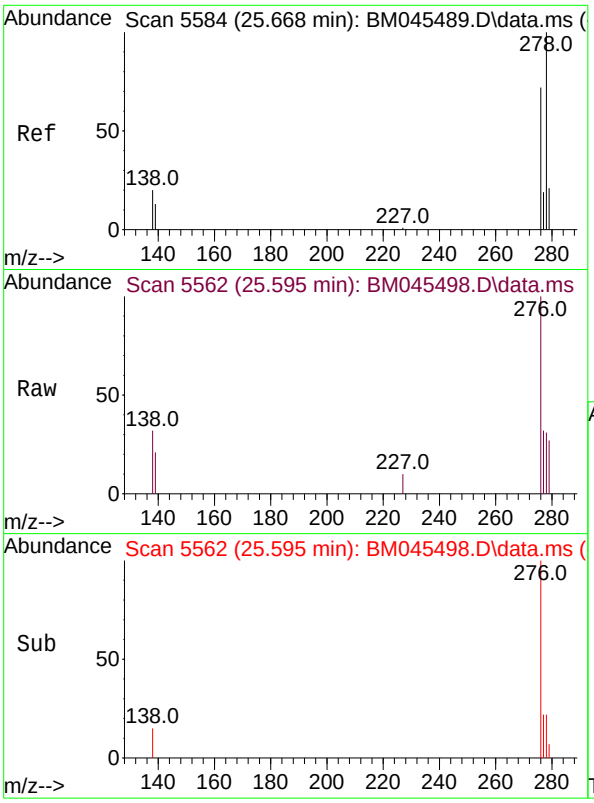




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.122 ng/ul
RT: 25.585 min Scan# 5559
Delta R.T. -0.047 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:276 Resp: 2453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 19.8 | 29.6 |
| 227 | 0.6 | 0.2 | 0.2# |



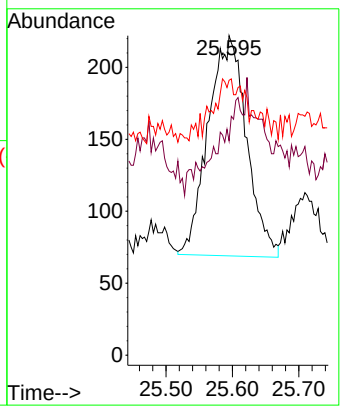


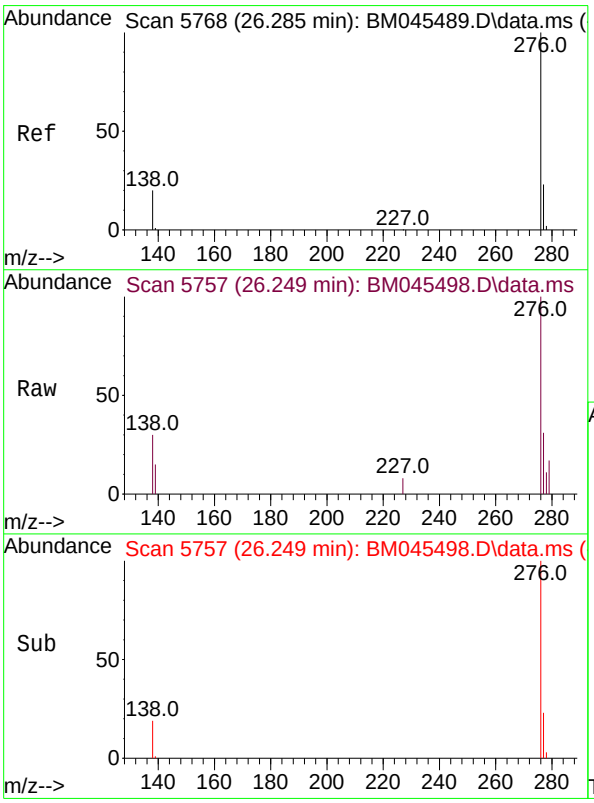

#28
Dibenzo(a,h)anthracene
Concen: 0.038 ng/ul
RT: 25.595 min Scan# 5
Delta R.T. -0.073 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

**Instrument :**
BNA_M
**ClientSampleId :**
E1CY6

Tgt Ion:278 Resp: 613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 67.1 | 19.0 | 28.6# |
| 279 | 86.0 | 29.4 | 44.2# |




#29
Benzo(g,h,i)perylene
Concen: 0.154 ng/ul
RT: 26.249 min Scan# 5757
Delta R.T. -0.036 min
Lab File: BM045498.D
Acq: 23 Apr 2024 02:41

Tgt Ion:276 Resp: 2781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.2 | 20.8 | 31.2 |
| 277 | 30.7 | 21.8 | 32.8 |