Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042924\
Data File : BM045627.D
Acq On : 29 Apr 2024 20:11
Operator : MA/JU
Sample : P2105-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 30 01:18:33 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 30 01:16:44 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.559 | 152 | 1047 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.319 | 136 | 2912 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.200 | 164 | 1362 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.971 | 188 | 2413 | 0.400 | ng/ul | -0.01 |
| 17) Chrysene-d12 | 21.184 | 240 | 2104 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.373 | 264 | 3077 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.167 | 96 | 504 | 0.359 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.920 | 152 | 1012 | 0.264 | ng/ul | -0.02 |
| 18) Fluoranthene-d10 | 19.010 | 212 | 1620 | 0.245 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.196 | 88 | 1616 | 1.197 | ng/ul# | 89 |
| 5) Naphthalene | 10.369 | 128 | 2267 | 0.290 | ng/ul | 97 |
| 7) 2-Methylnaphthalene | 11.997 | 142 | 1367 | 0.306 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.217 | 142 | 1372 | 0.274 | ng/ul | 97 |
| 10) Acenaphthylene | 13.923 | 152 | 1980 | 0.295 | ng/ul | 98 |
| 11) Acenaphthene | 14.265 | 153 | 1435 | 0.288 | ng/ul | 98 |
| 12) Fluorene | 15.274 | 166 | 1451 | 0.272 | ng/ul | 98 |
| 14) Pentachlorophenol | 16.642 | 266 | 280 | 0.582 | ng/ul | 94 |
| 15) Phenanthrene | 17.013 | 178 | 2535 | 0.361 | ng/ul | 99 |
| 16) Anthracene | 17.115 | 178 | 2082 | 0.317 | ng/ul | 98 |
| 19) Fluoranthene | 19.043 | 202 | 2951 | 0.304 | ng/ul | 97 |
| 20) Pyrene | 19.410 | 202 | 3107 | 0.311 | ng/ul | 96 |
| 21) Benzo(a)anthracene | 21.170 | 228 | 2630 | 0.391 | ng/ul | 97 |
| 22) Chrysene | 21.219 | 228 | 3137 | 0.303 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.718 | 252 | 3661 | 0.354 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 22.762 | 252 | 3773 | 0.289 | ng/ul | 97 |
| 26) Benzo(a)pyrene | 23.280 | 252 | 3326 | 0.310 | ng/ul | 94 |
| 27) Indeno(1,2,3-cd)pyrene | 25.561 | 276 | 4862 | 0.312 | ng/ul# | 97 |
| 28) Dibenzo(a,h)anthracene | 25.575 | 278 | 3656 | 0.295 | ng/ul | 97 |
| 29) Benzo(g,h,i)perylene | 26.225 | 276 | 4173 | 0.298 | ng/ul | 98 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042924\
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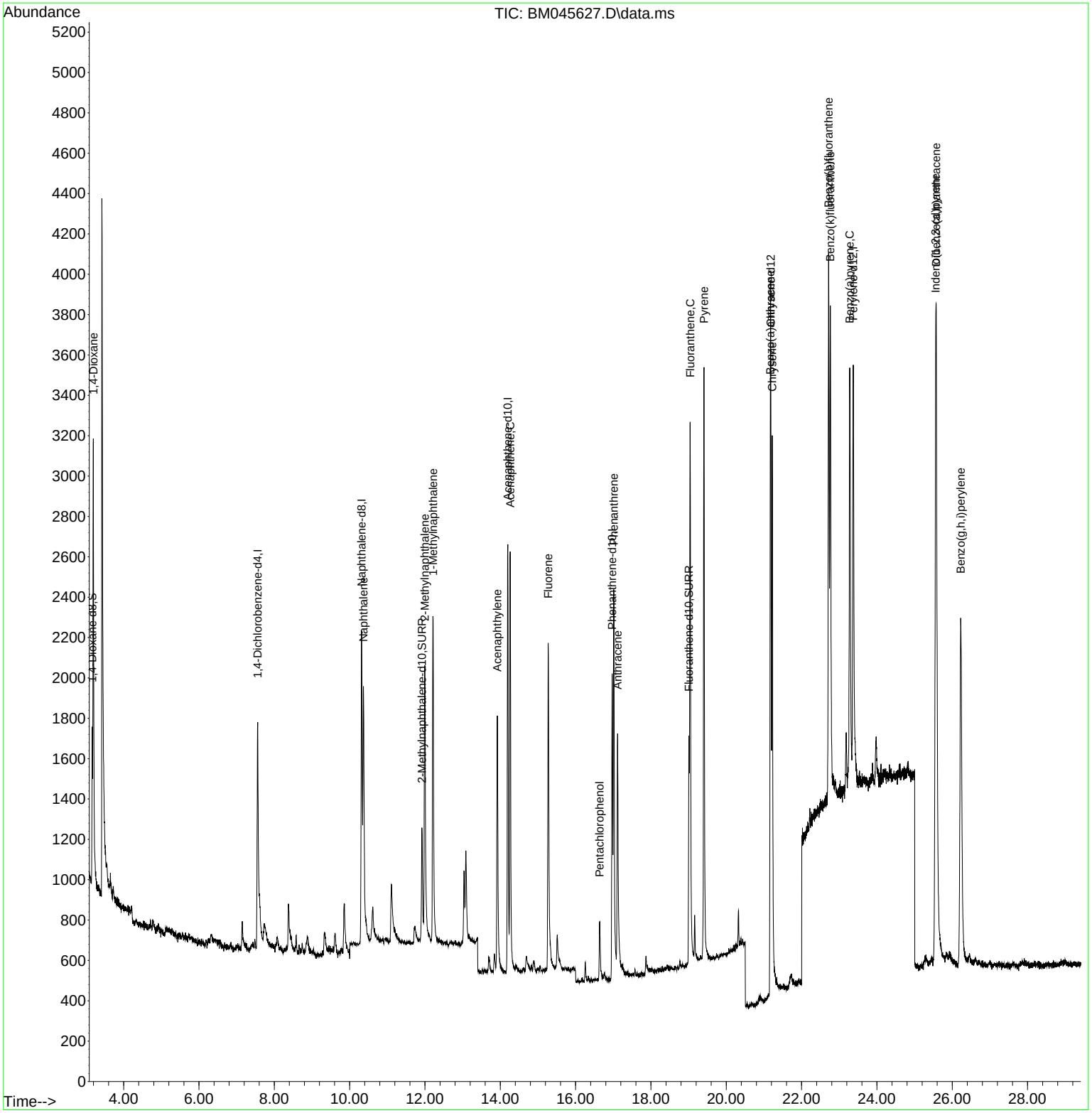
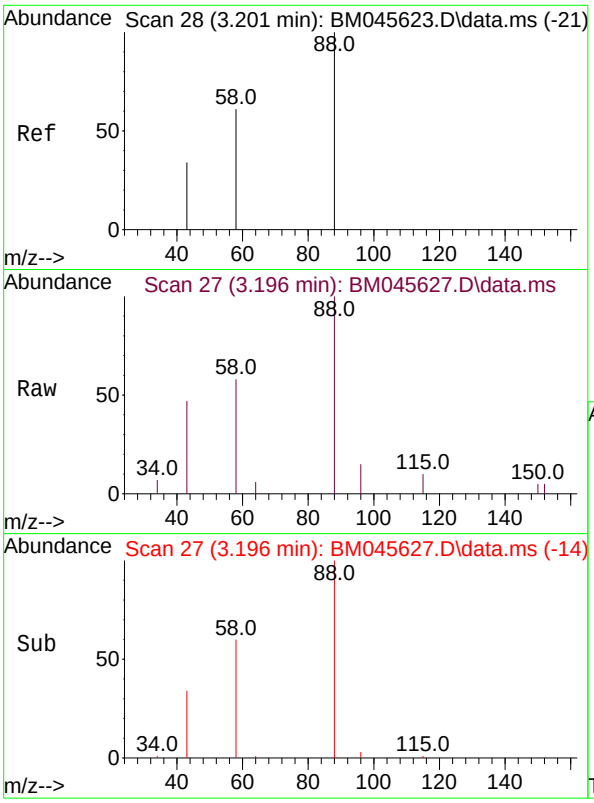
Operator : MA/JU
Sample : P2105-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 30 01:18:33 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 30 01:16:44 2024
Response via : Initial Calibration



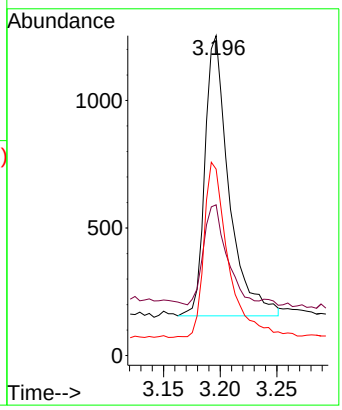


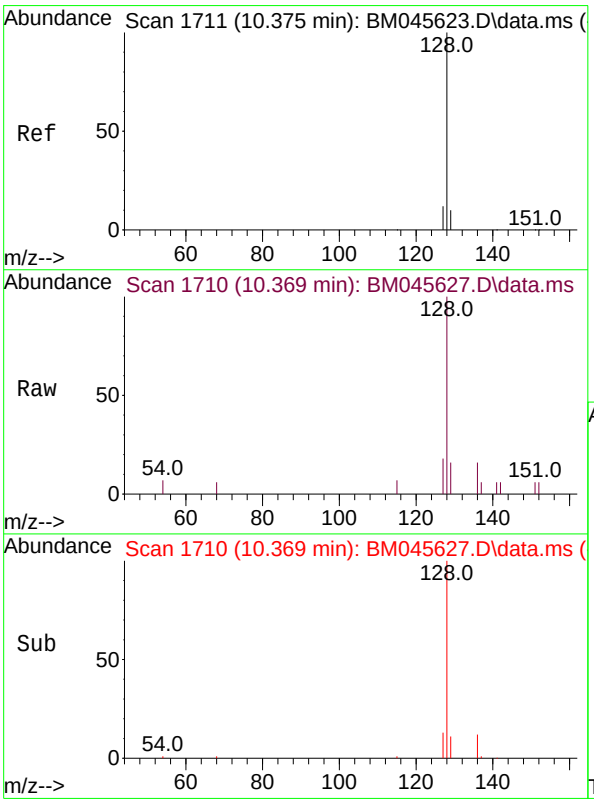

#2
1,4-Dioxane
Concen: 1.197 ng/ul
RT: 3.196 min Scan# 2
Delta R.T. -0.004 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion: 88 Resp: 1616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 47.1 | 36.8 | 55.2 |
| 58 | 58.3 | 35.4 | 53.2# |

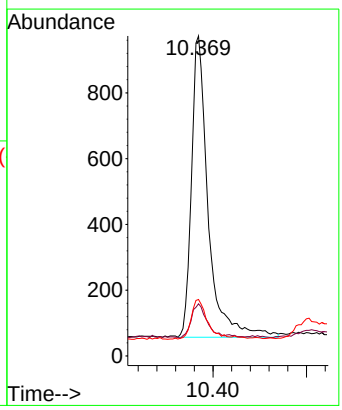


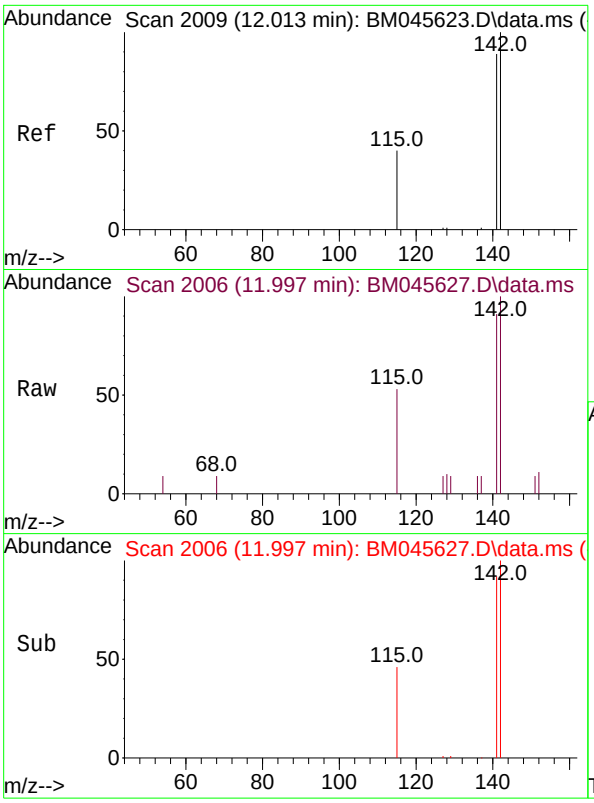




#5
Naphthalene
Concen: 0.290 ng/ul
RT: 10.369 min Scan# 1710
Delta R.T. -0.006 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:128 Resp: 2267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 16.3 | 14.0 | 21.0 |
| 127 | 17.7 | 15.4 | 23.2 |



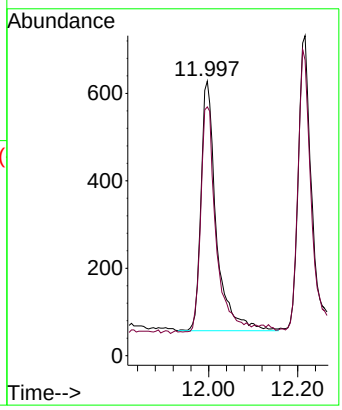


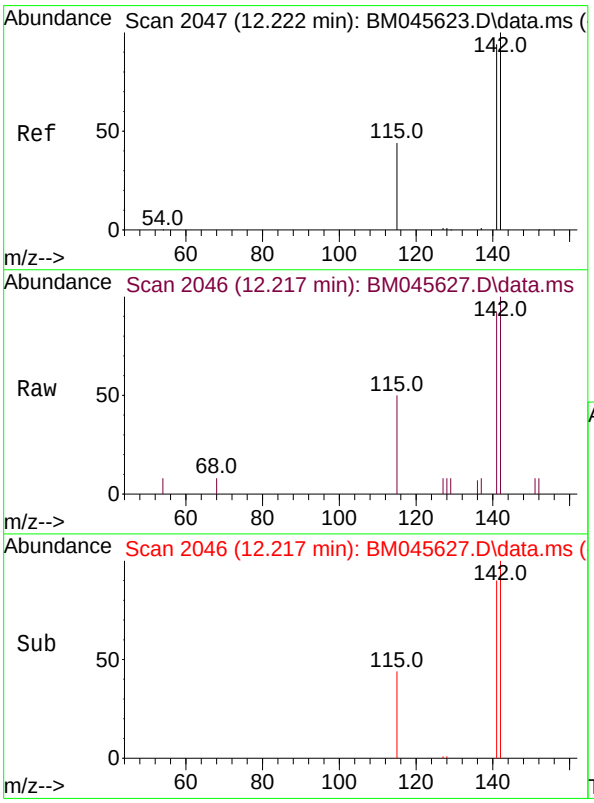

#7
2-Methylnaphthalene
Concen: 0.306 ng/ul
RT: 11.997 min Scan# 2
Delta R.T. -0.017 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:142 Resp: 1367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.5 | 74.6 | 111.8 |

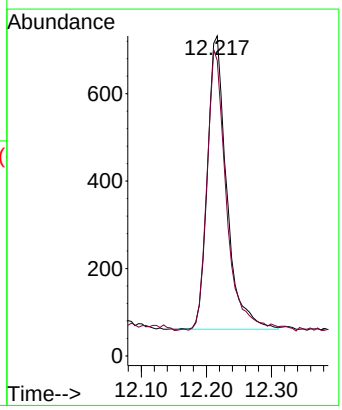


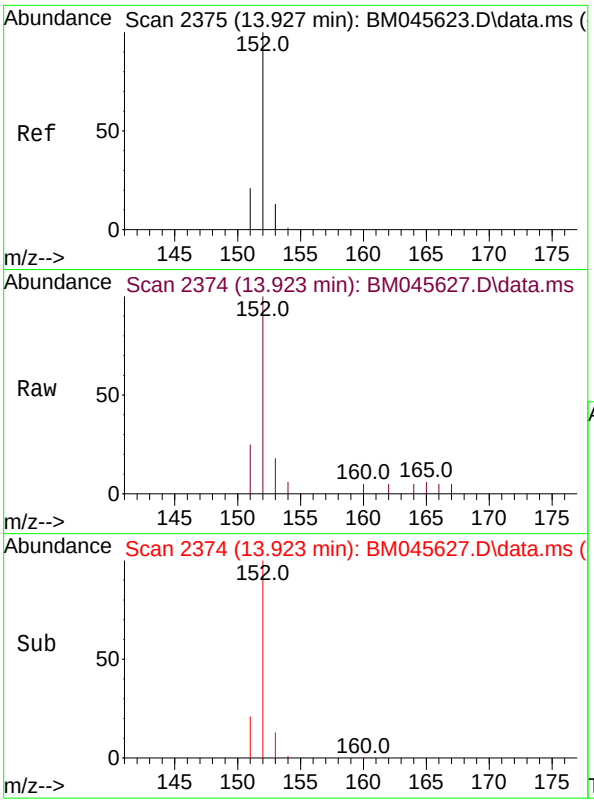




#8
1-Methylnaphthalene
Concen: 0.274 ng/ul
RT: 12.217 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:142 Resp: 1372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.4 | 76.1 | 114.1 |



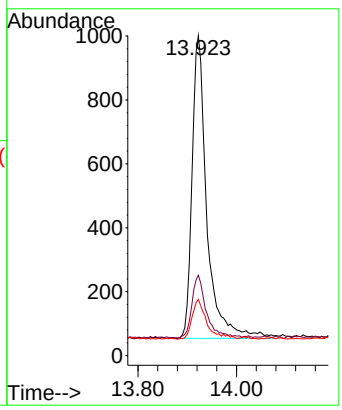


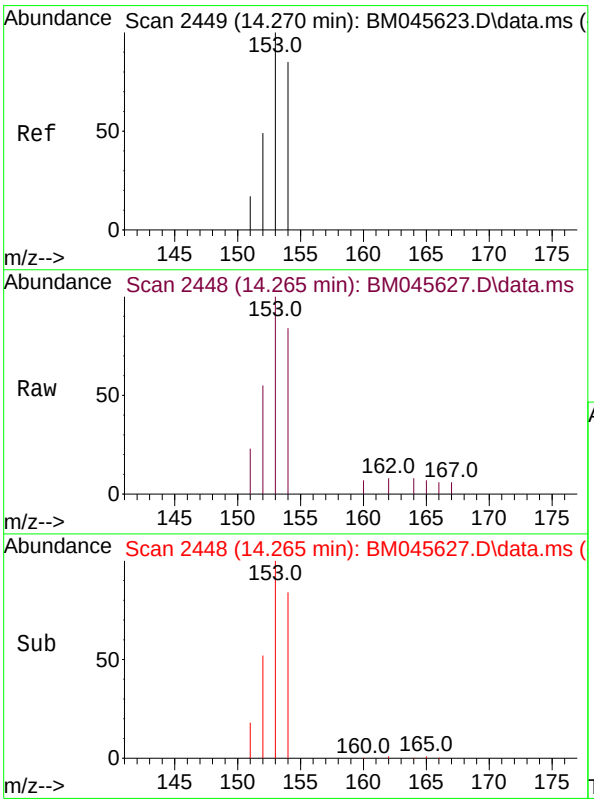

#10
Acenaphthylene
Concen: 0.295 ng/ul
RT: 13.923 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:152 Resp: 1980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 25.2 | 18.6 | 28.0 |
| 153 | 17.6 | 14.1 | 21.1 |

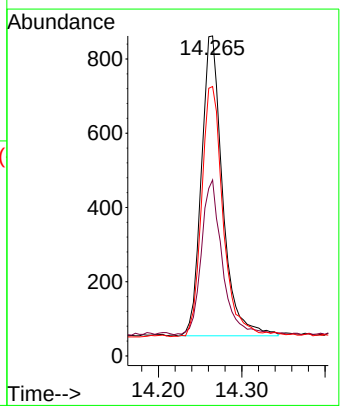


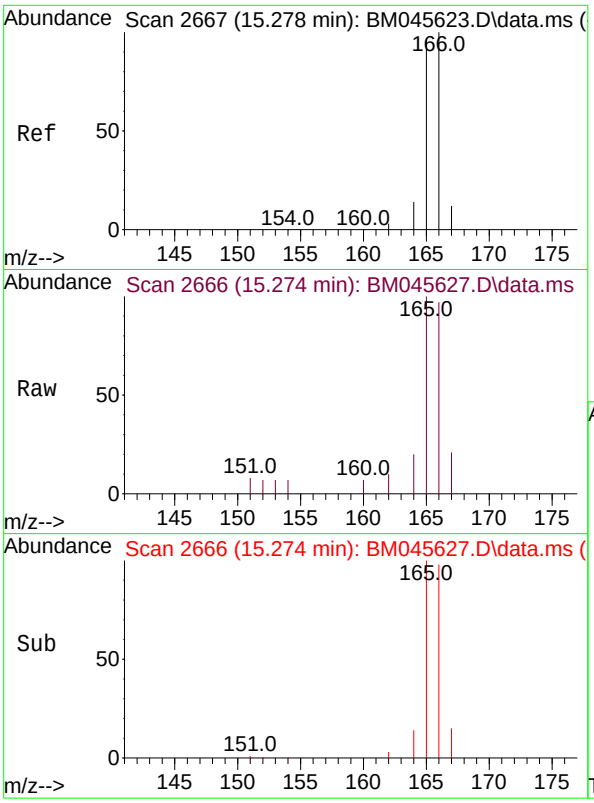




#11
Acenaphthene
Concen: 0.288 ng/ul
RT: 14.265 min Scan# 2448
Delta R.T. -0.005 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:153 Resp: 1435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 55.0 | 43.4 | 65.2 |
| 154 | 84.2 | 69.0 | 103.6 |



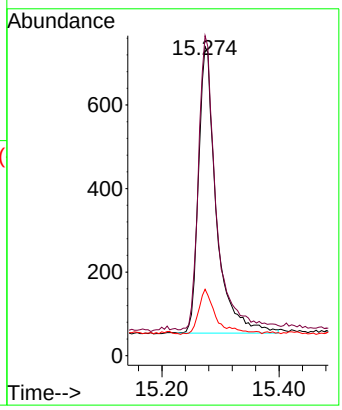


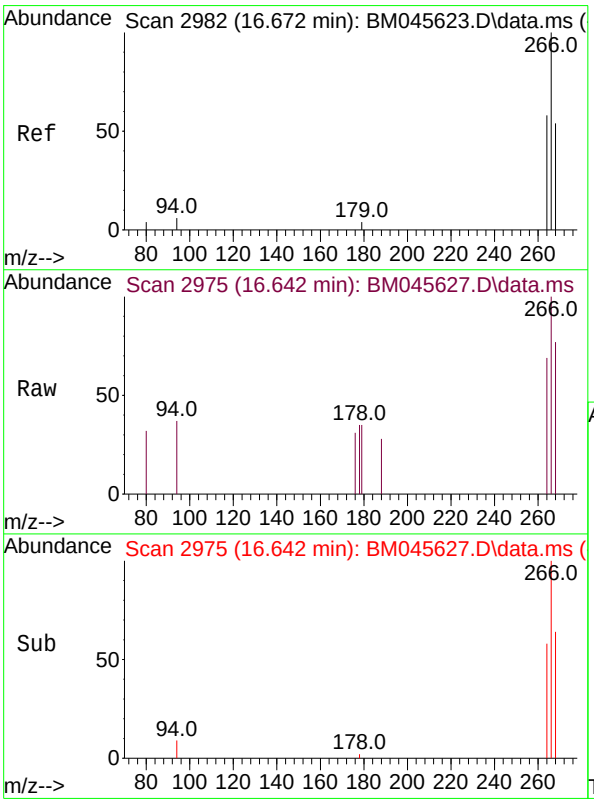

#12
Fluorene
Concen: 0.272 ng/ul
RT: 15.274 min Scan# 2
Delta R.T. -0.005 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:166 Resp: 1451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 103.5 | 82.2 | 123.2 |
| 167 | 21.5 | 14.8 | 22.2 |

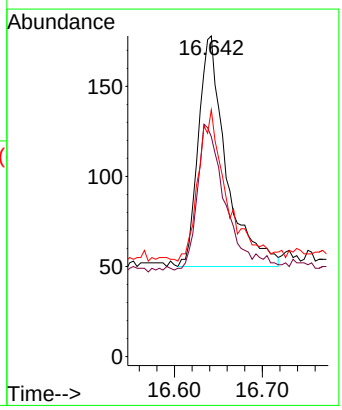


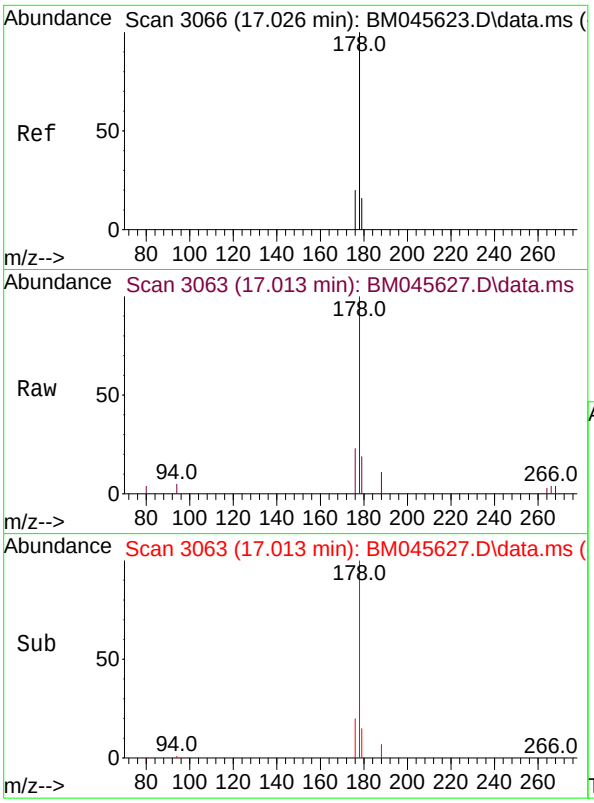




#14
Pentachlorophenol
Concen: 0.582 ng/ul
RT: 16.642 min Scan# 2975
Delta R.T. -0.030 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:266 Resp: 280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 65.0 | 45.5 | 68.3 |
| 268 | 68.2 | 56.1 | 84.1 |



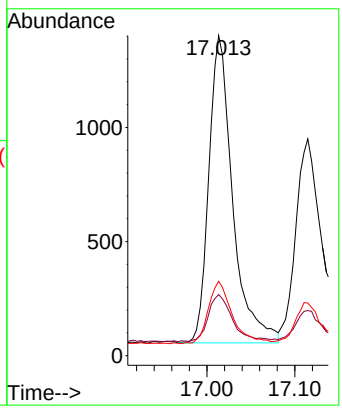


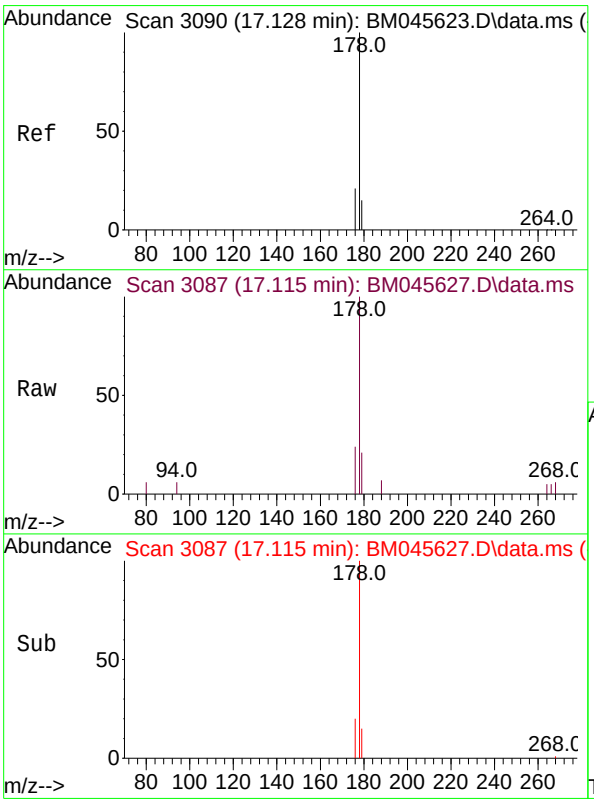

#15
Phenanthrene
Concen: 0.361 ng/ul
RT: 17.013 min Scan# 3
Delta R.T. -0.013 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:178 Resp: 2535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.1 | 15.4 | 23.2 |
| 176 | 23.3 | 19.0 | 28.4 |

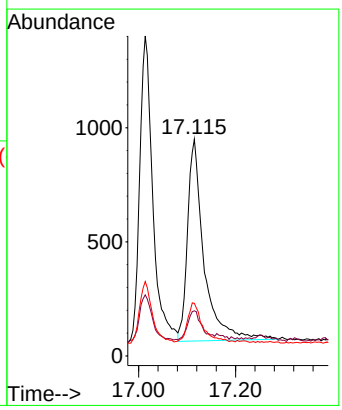


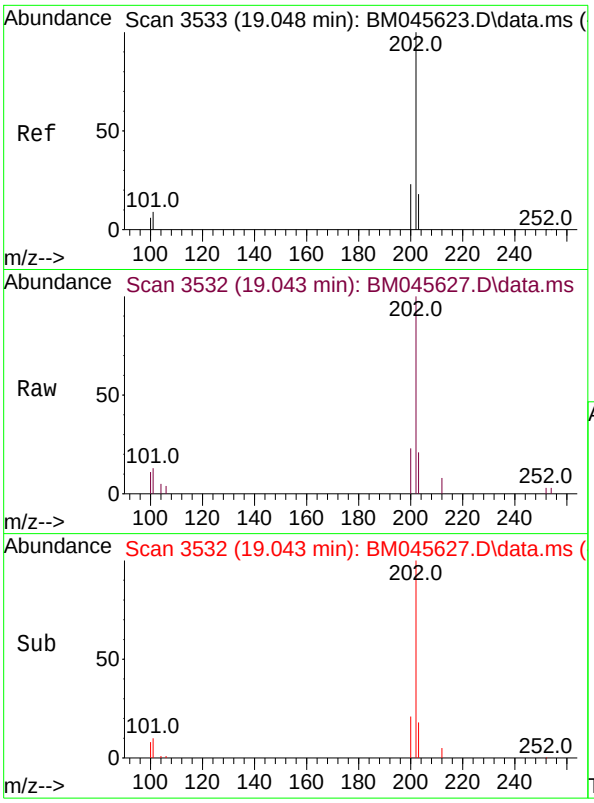




#16
Anthracene
Concen: 0.317 ng/ul
RT: 17.115 min Scan# 3087
Delta R.T. -0.013 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:178 Resp: 2082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.8 | 17.8 | 26.6 |
| 176 | 24.3 | 18.7 | 28.1 |



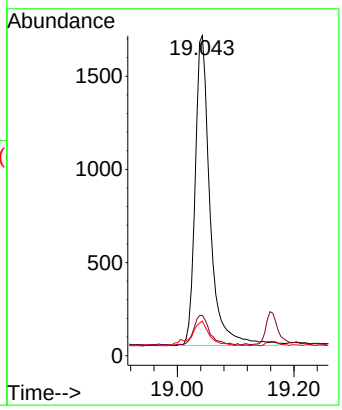


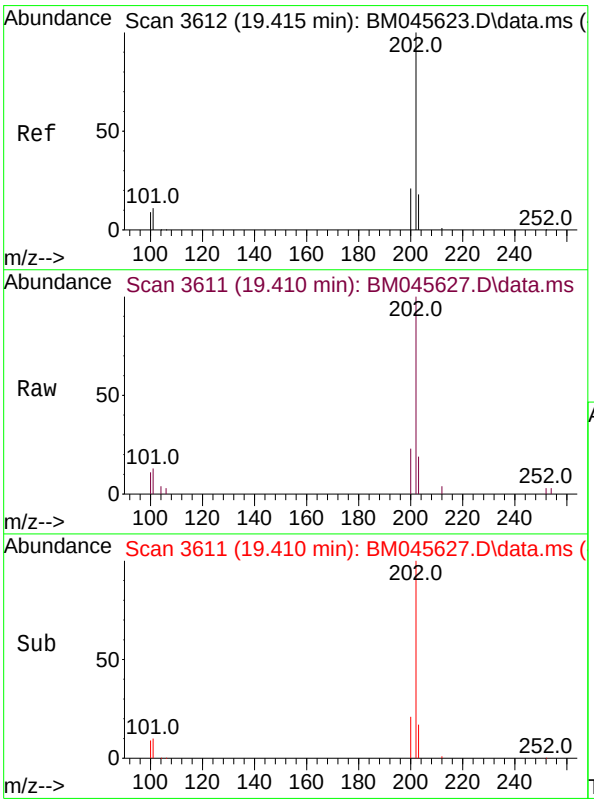

#19
Fluoranthene
Concen: 0.304 ng/ul
RT: 19.043 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:202 Resp: 2951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 11.2 | 16.8 |
| 100 | 10.8 | 9.1 | 13.7 |

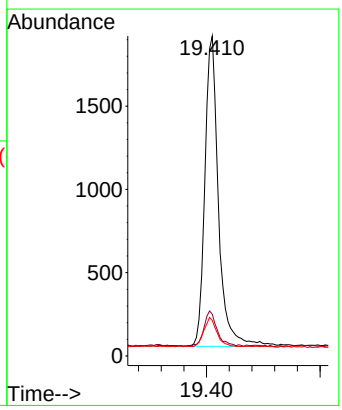


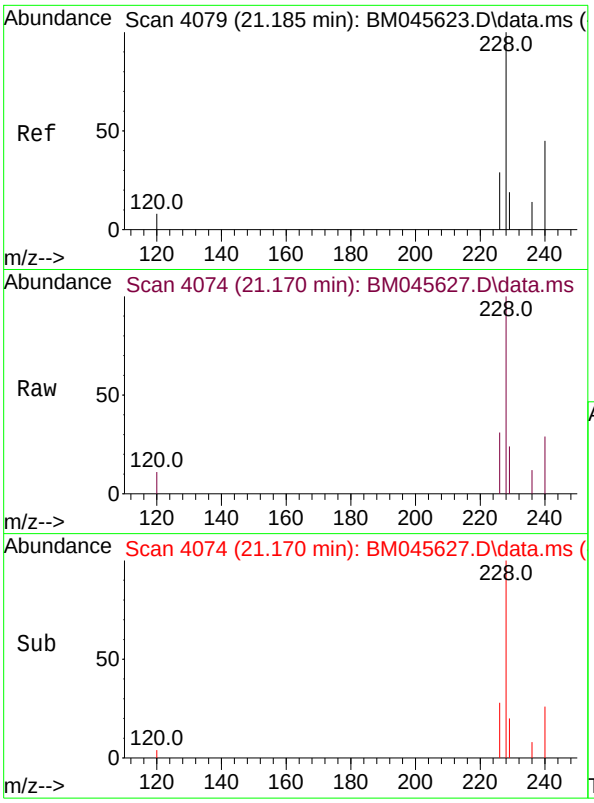




#20
Pyrene
Concen: 0.311 ng/ul
RT: 19.410 min Scan# 3611
Delta R.T. -0.005 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:202 Resp: 3107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 11.5 | 17.3 |
| 100 | 11.1 | 10.6 | 15.8 |



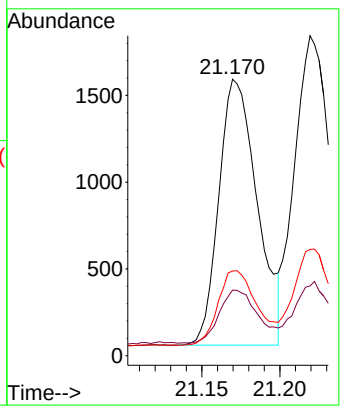


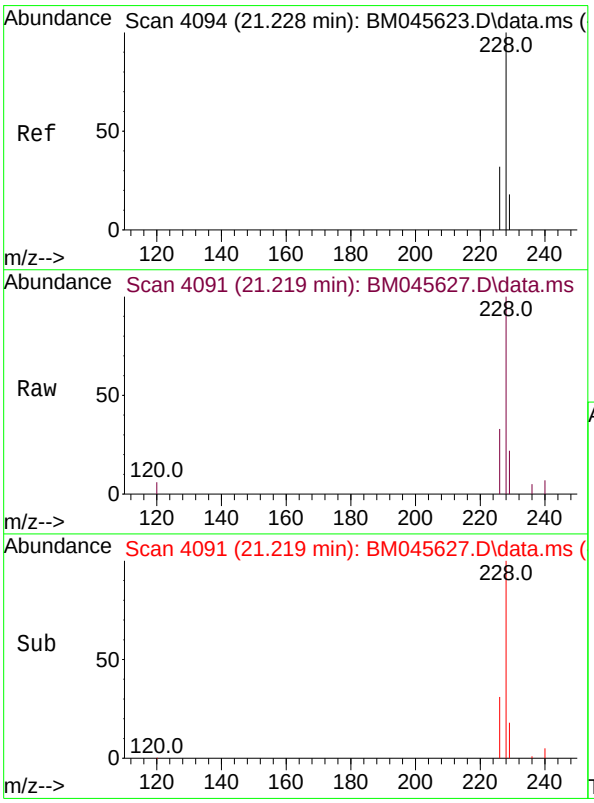

#21
Benzo(a)anthracene
Concen: 0.391 ng/ul
RT: 21.170 min Scan# 4
Delta R.T. -0.015 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:228 Resp: 2630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.7 | 19.4 | 29.2 |
| 226 | 30.6 | 26.3 | 39.5 |

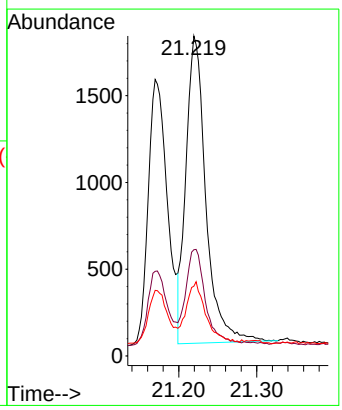


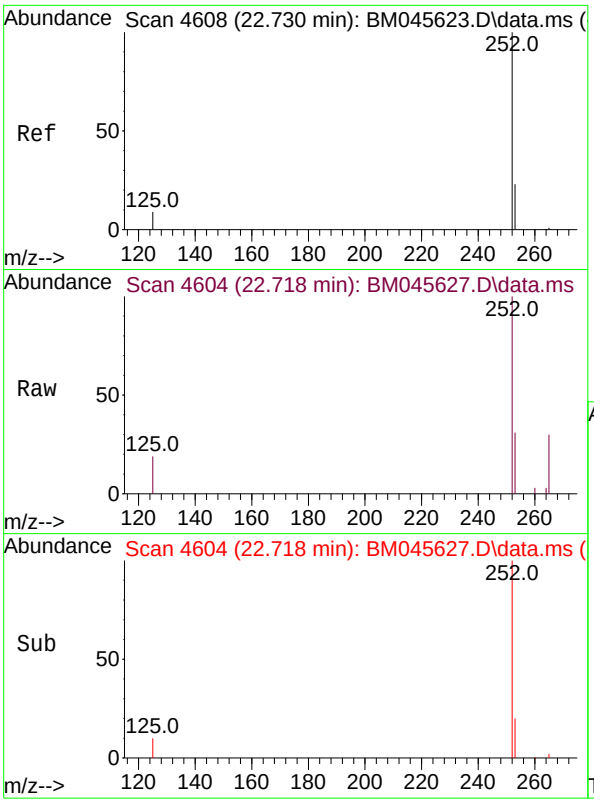




#22
Chrysene
Concen: 0.303 ng/ul
RT: 21.219 min Scan# 4091
Delta R.T. -0.009 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:228 Resp: 3137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.2 | 26.3 | 39.5 |
| 229 | 21.8 | 17.8 | 26.8 |



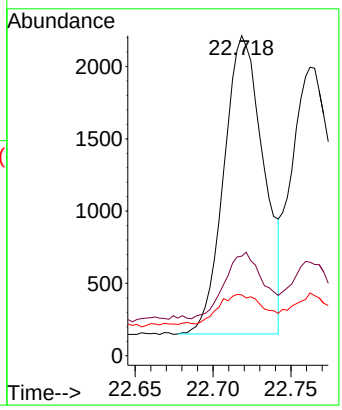


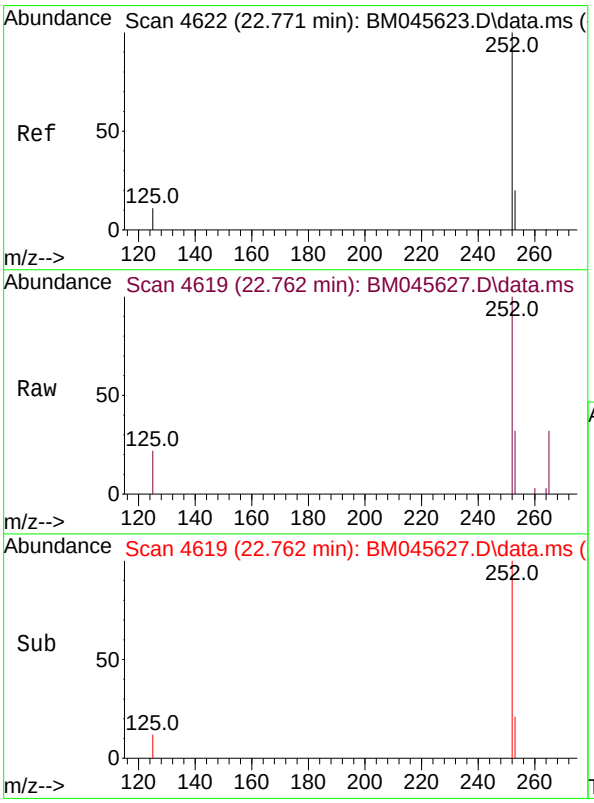

#24
Benzo(b)fluoranthene
Concen: 0.354 ng/ul
RT: 22.718 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:252 Resp: 3661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.1 | 0.0 | 63.4 |
| 125 | 19.0 | 0.0 | 36.8 |

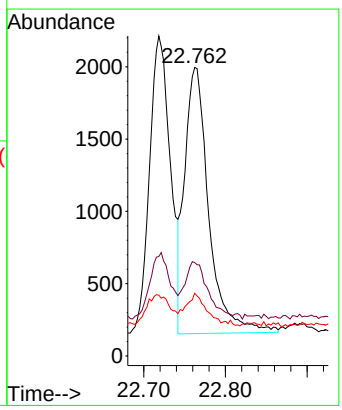


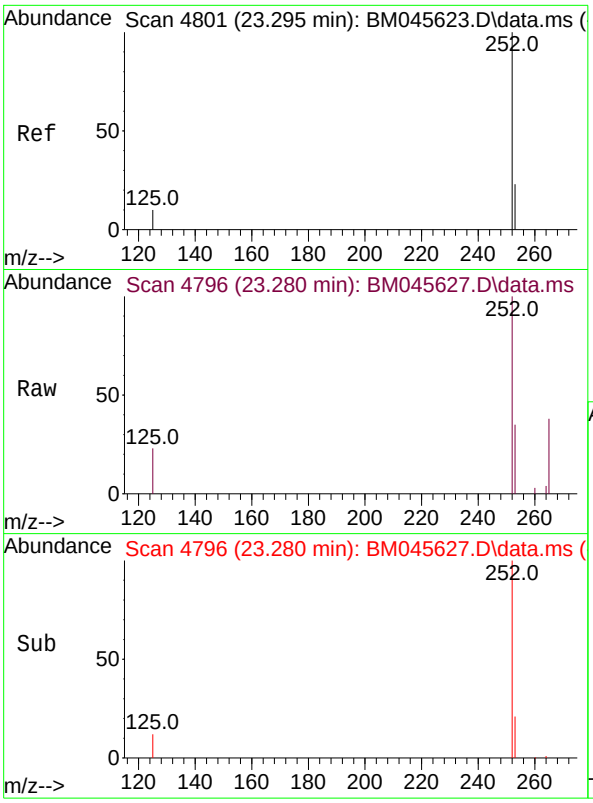




#25
Benzo(k)fluoranthene
Concen: 0.289 ng/ul
RT: 22.762 min Scan# 4619
Delta R.T. -0.009 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:252 Resp: 3773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.4 | 25.4 | 38.0 |
| 125 | 21.8 | 14.8 | 22.2 |



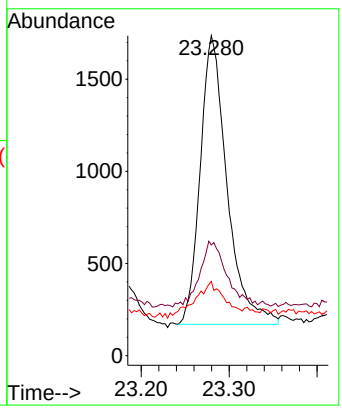


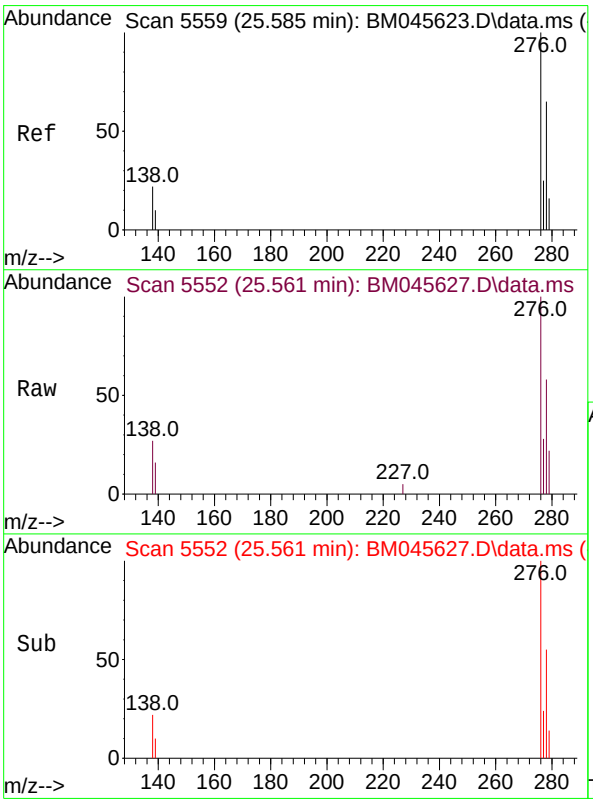

#26
Benzo(a)pyrene
Concen: 0.310 ng/ul
RT: 23.280 min Scan# 4
Delta R.T. -0.015 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:252 Resp: 3326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 34.6 | 31.6 | 47.4 |
| 125 | 23.2 | 19.5 | 29.3 |

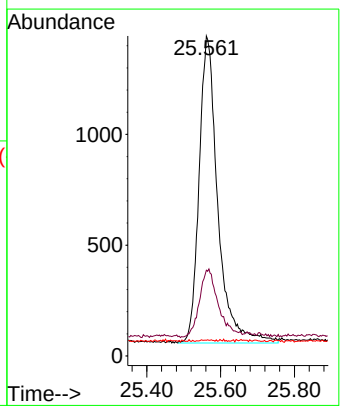


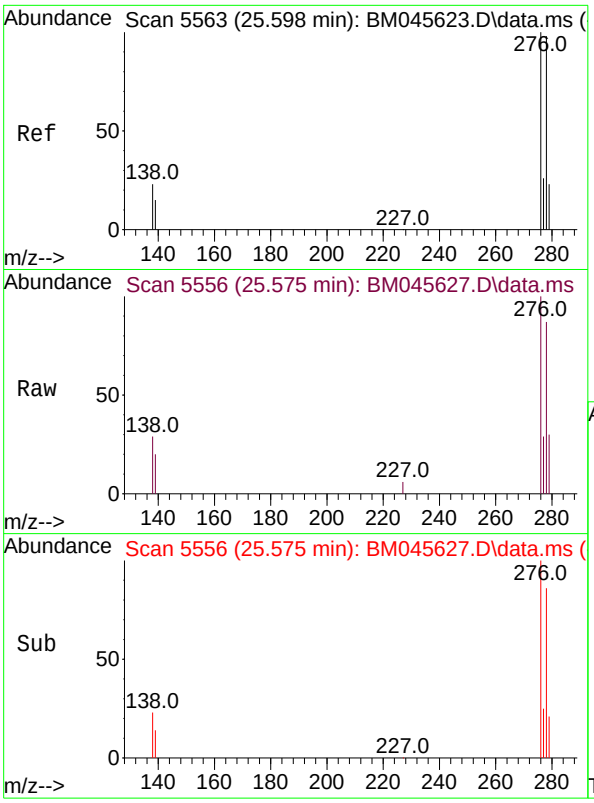




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.312 ng/ul
RT: 25.561 min Scan# 5552
Delta R.T. -0.024 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:276 Resp: 4862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 19.8 | 29.6 |
| 227 | 0.0 | 0.2 | 0.2# |



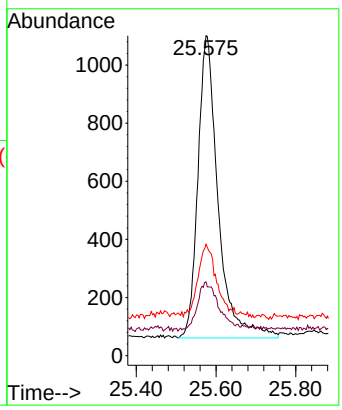


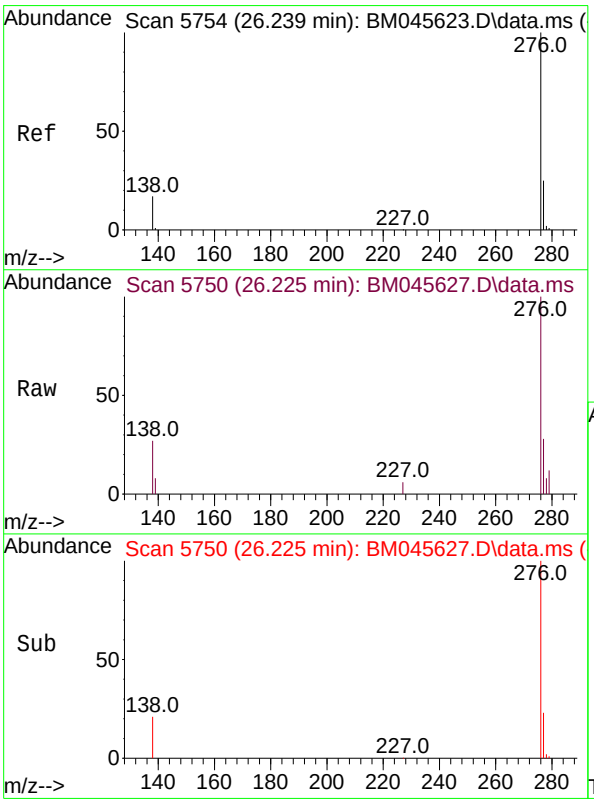

#28
Dibenzo(a,h)anthracene
Concen: 0.295 ng/ul
RT: 25.575 min Scan# 5
Delta R.T. -0.024 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

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

Tgt Ion:278 Resp: 3656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.1 | 19.0 | 28.6 |
| 279 | 34.8 | 29.4 | 44.2 |




#29
Benzo(g,h,i)perylene
Concen: 0.298 ng/ul
RT: 26.225 min Scan# 5750
Delta R.T. -0.014 min
Lab File: BM045627.D
Acq: 29 Apr 2024 20:11

Tgt Ion:276 Resp: 4173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.9 | 20.8 | 31.2 |
| 277 | 28.0 | 21.8 | 32.8 |