Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111921\
Data File : BM033173.D
Acq On : 19 Nov 2021 13:16
Operator : CG/JU
Sample : SSTD0.458
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 19 15:05:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 14:17:00 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.967 | 152 | 2228 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.760 | 136 | 5796 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.584 | 164 | 3328 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.320 | 188 | 7181 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.473 | 240 | 6056 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.810 | 264 | 5033 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.420 | 96 | 830 | 0.292 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.343 | 152 | 3230 | 0.392 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.334 | 212 | 7016 | 0.382 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.455 | 88 | 928 | 0.318 | ng/ul# | 88 |
| 5) Naphthalene | 10.810 | 128 | 7143 | 0.424 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.415 | 142 | 4660 | 0.400 | ng/ul | 97 |
| 8) 1-Methylnaphthalene | 12.631 | 142 | 4700 | 0.412 | ng/ul | 99 |
| 10) Acenaphthylene | 14.303 | 152 | 6306 | 0.436 | ng/ul# | 100 |
| 11) Acenaphthene | 14.644 | 153 | 5102 | 0.404 | ng/ul | 99 |
| 12) Fluorene | 15.626 | 166 | 5842 | 0.392 | ng/ul | 100 |
| 14) Pentachlorophenol | 16.966 | 266 | 899 | 0.480 | ng/ul | 99 |
| 15) Phenanthrene | 17.358 | 178 | 9720 | 0.407 | ng/ul | 99 |
| 16) Anthracene | 17.452 | 178 | 8312 | 0.396 | ng/ul | 98 |
| 19) Fluoranthene | 19.361 | 202 | 10871 | 0.383 | ng/ul | 98 |
| 20) Pyrene | 19.723 | 202 | 10842 | 0.367 | ng/ul | 96 |
| 21) Benzo(a)anthracene | 21.456 | 228 | 8464 | 0.378 | ng/ul | 99 |
| 22) Chrysene | 21.507 | 228 | 9228 | 0.366 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 23.100 | 252 | 8875 | 0.384 | ng/ul | 97 |
| 25) Benzo(k)fluoranthene | 23.149 | 252 | 8937 | 0.361 | ng/ul | 96 |
| 26) Benzo(a)pyrene | 23.711 | 252 | 7504 | 0.394 | ng/ul | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 26.206 | 276 | 9564 | 0.437 | ng/ul# | 89 |
| 28) Dibenzo(a,h)anthracene | 26.226 | 278 | 7603 | 0.438 | ng/ul | 97 |
| 29) Benzo(g,h,i)perylene | 26.938 | 276 | 8646 | 0.455 | ng/ul | 95 |

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

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Operator : CG/JU
Sample : SSTD0.458
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Nov 19 15:05:41 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM111921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 19 14:17:00 2021
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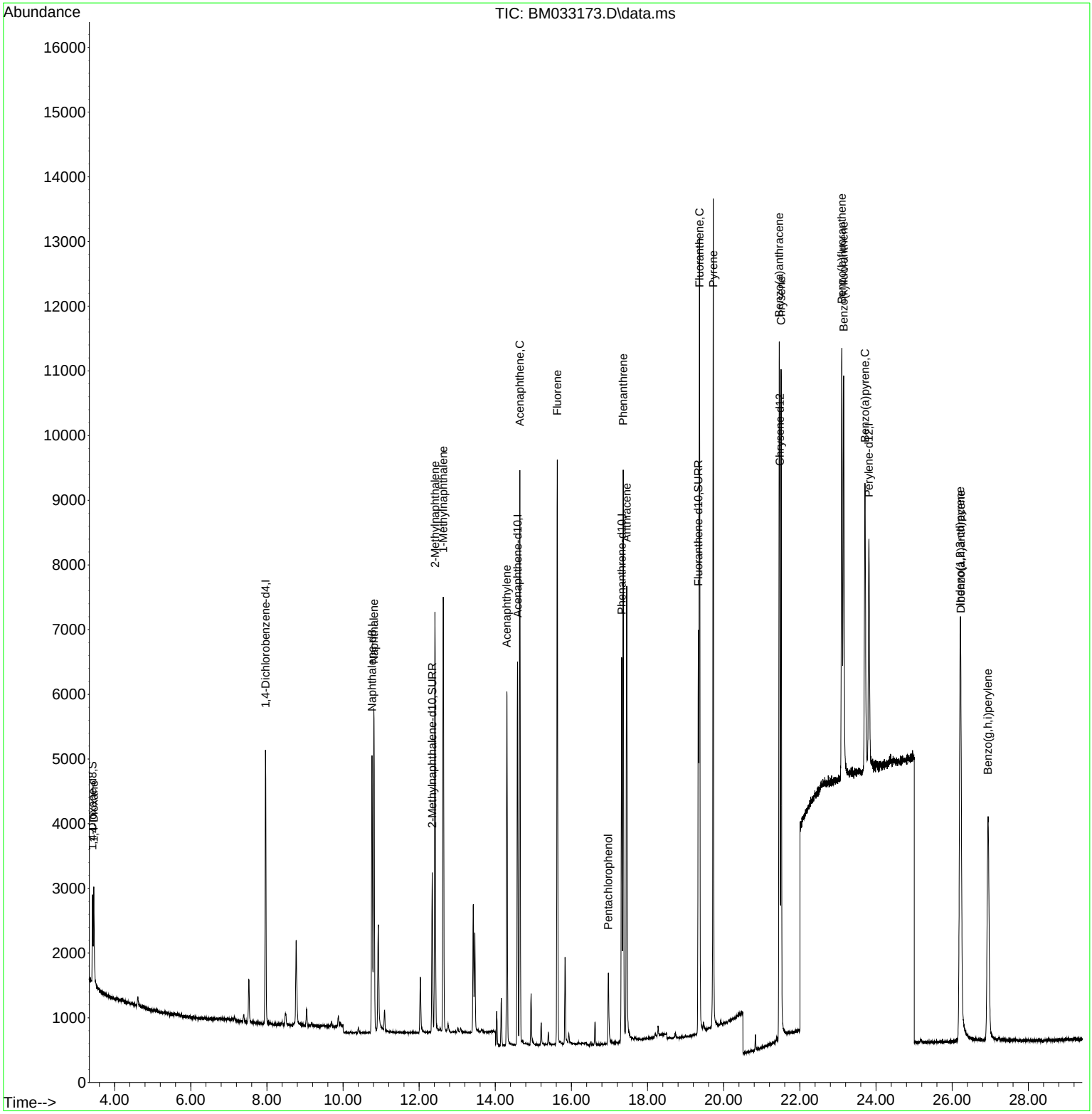
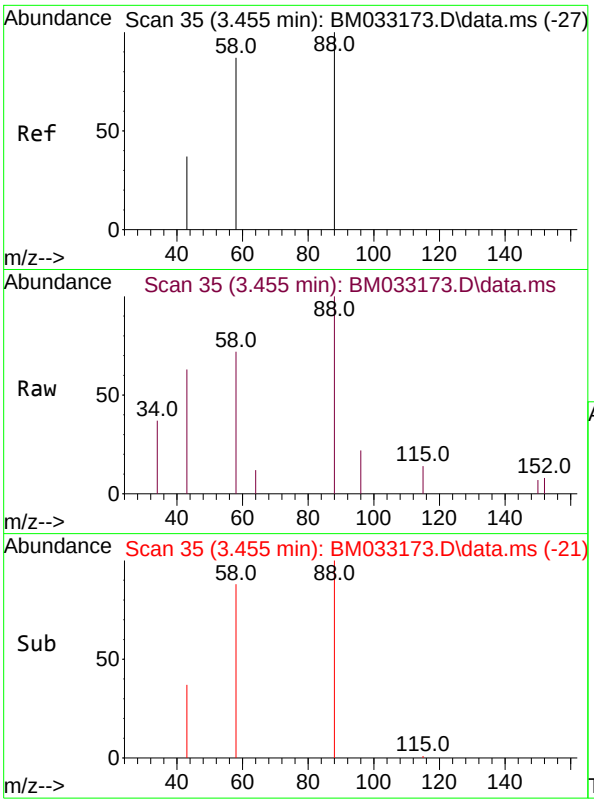


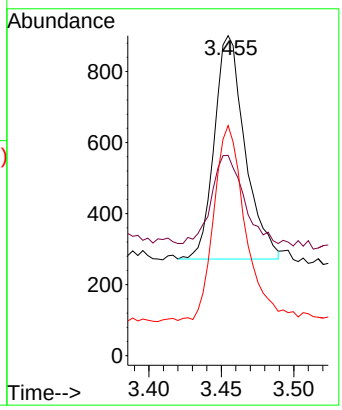


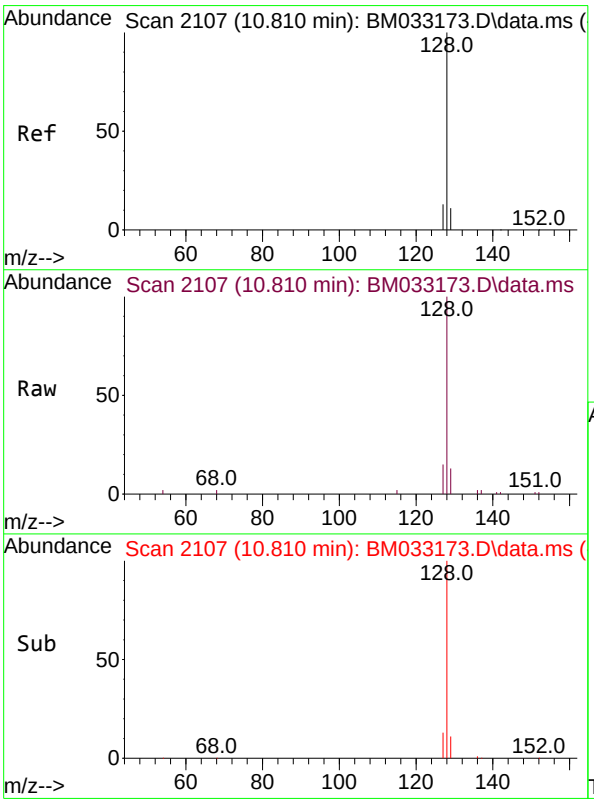

#2
1,4-Dioxane
Concen: 0.318 ng/ul
RT: 3.455 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion: 88 Resp: 928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 62.6 | 35.8 | 53.8# |
| 58 | 71.9 | 55.8 | 83.8 |

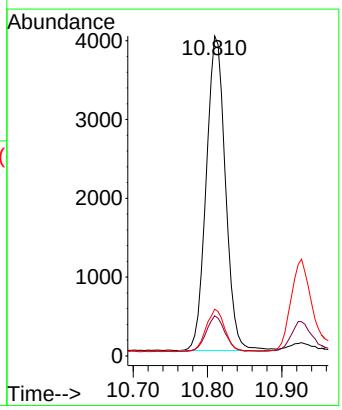


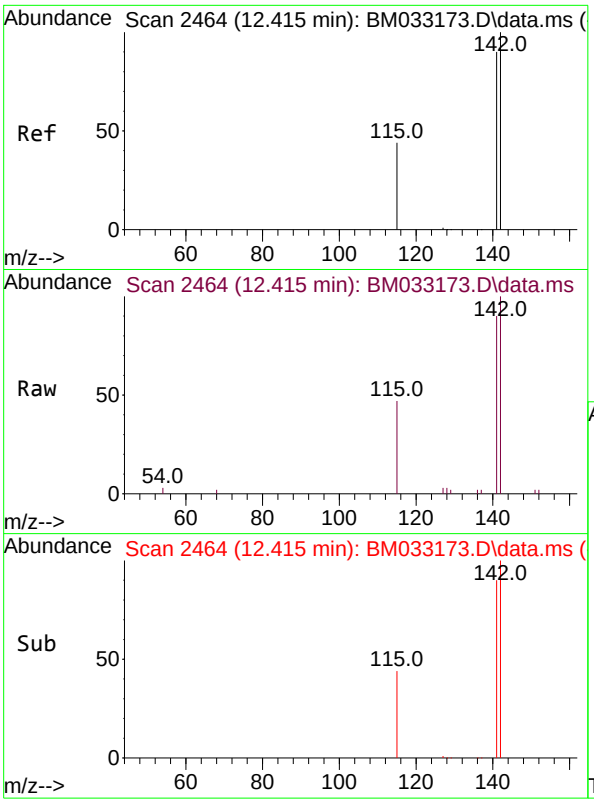




#5
Naphthalene
Concen: 0.424 ng/ul
RT: 10.810 min Scan# 2107
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:128 Resp: 7143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.6 | 9.8 | 14.6 |
| 127 | 14.6 | 11.8 | 17.8 |



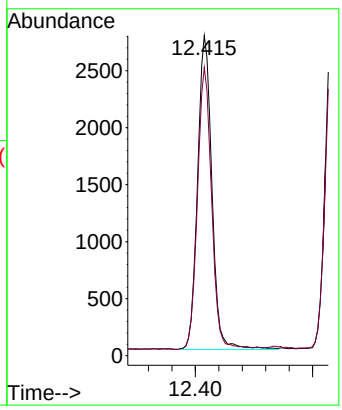


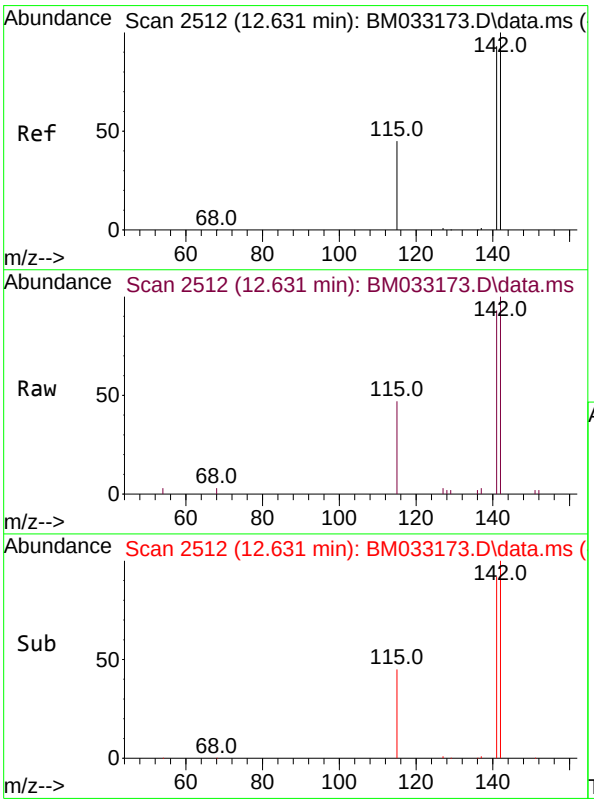

#7
2-Methylnaphthalene
Concen: 0.400 ng/ul
RT: 12.415 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:142 Resp: 4660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.8 | 73.3 | 109.9 |

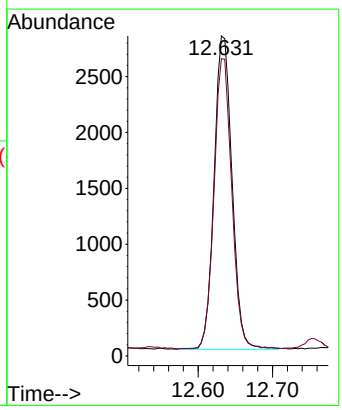


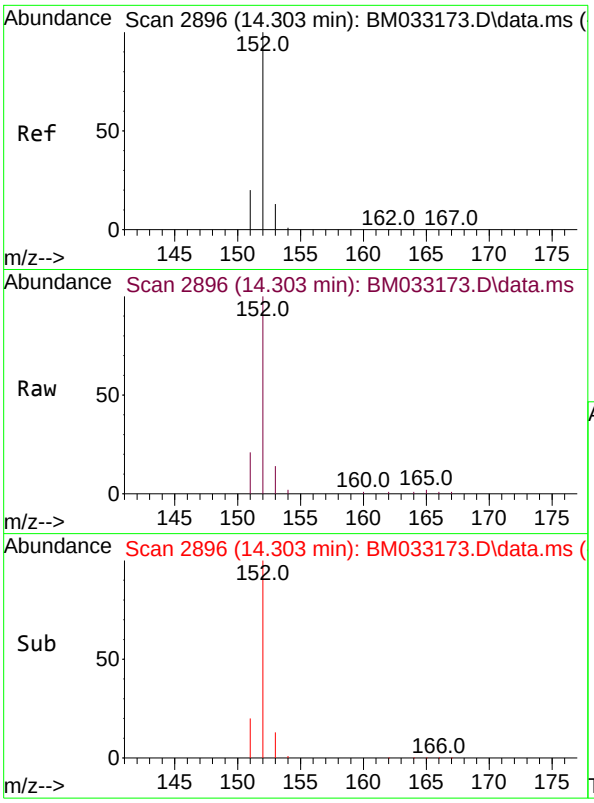




#8
1-Methylnaphthalene
Concen: 0.412 ng/ul
RT: 12.631 min Scan# 2512
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:142 Resp: 4700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 74.5 | 111.7 |



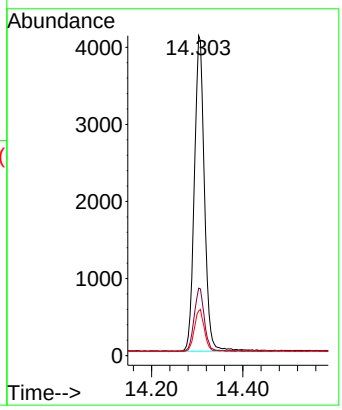


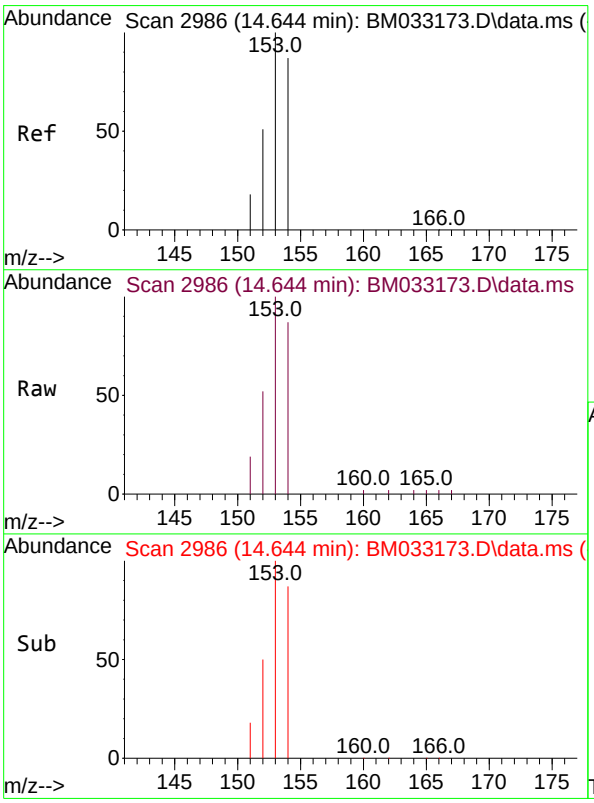

#10
Acenaphthylene
Concen: 0.436 ng/ul
RT: 14.303 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:152 Resp: 6306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 16.7 | 25.1 |
| 153 | 14.0 | 0.0 | 0.0# |

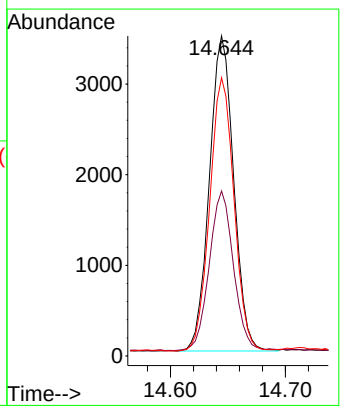


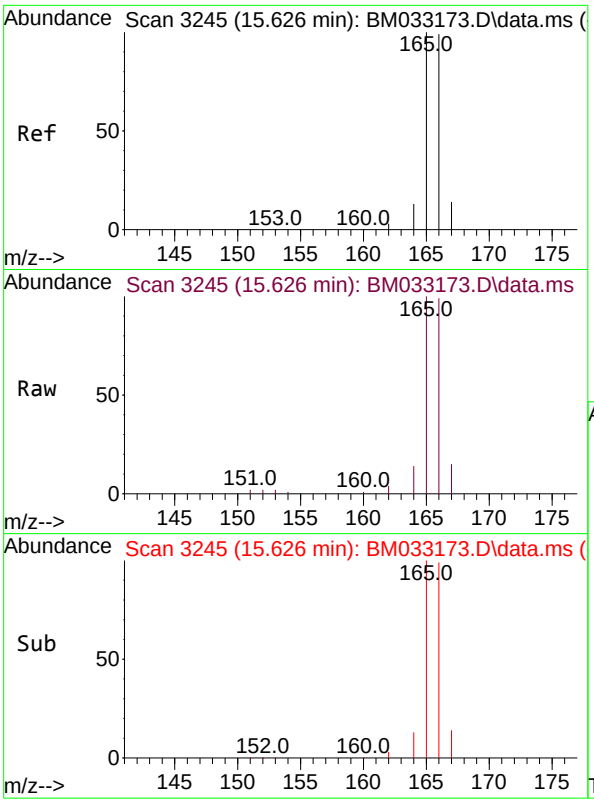




#11
Acenaphthene
Concen: 0.404 ng/ul
RT: 14.644 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:153 Resp: 5102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.6 | 40.6 | 60.8 |
| 154 | 87.0 | 70.8 | 106.2 |



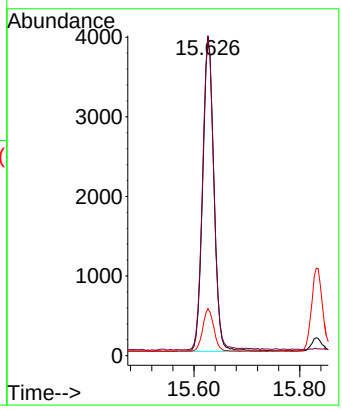


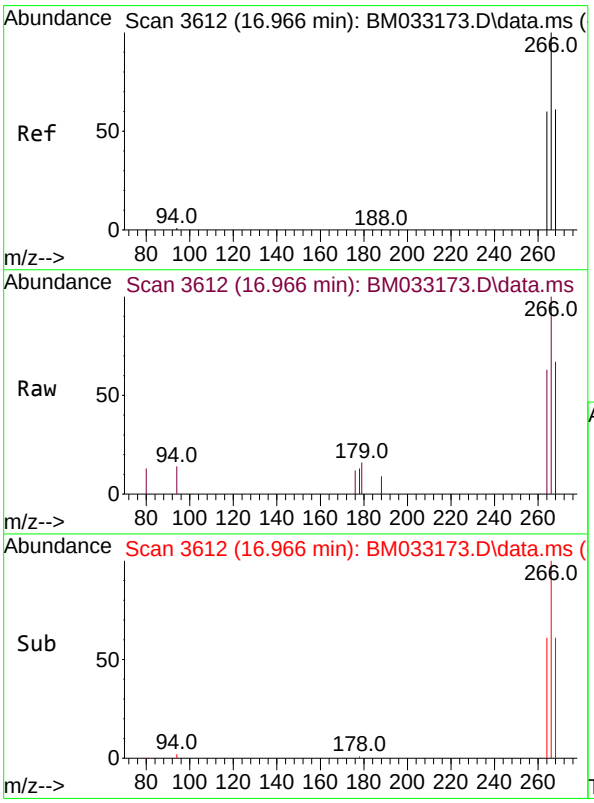

#12
Fluorene
Concen: 0.392 ng/ul
RT: 15.626 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:166 Resp: 5842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.4 | 80.8 | 121.2 |
| 167 | 14.9 | 11.7 | 17.5 |

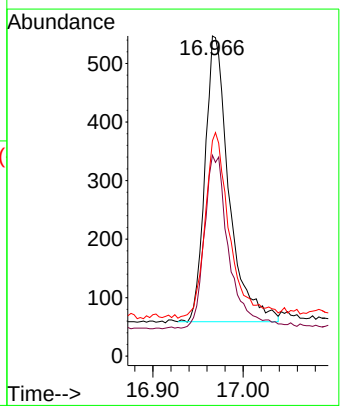


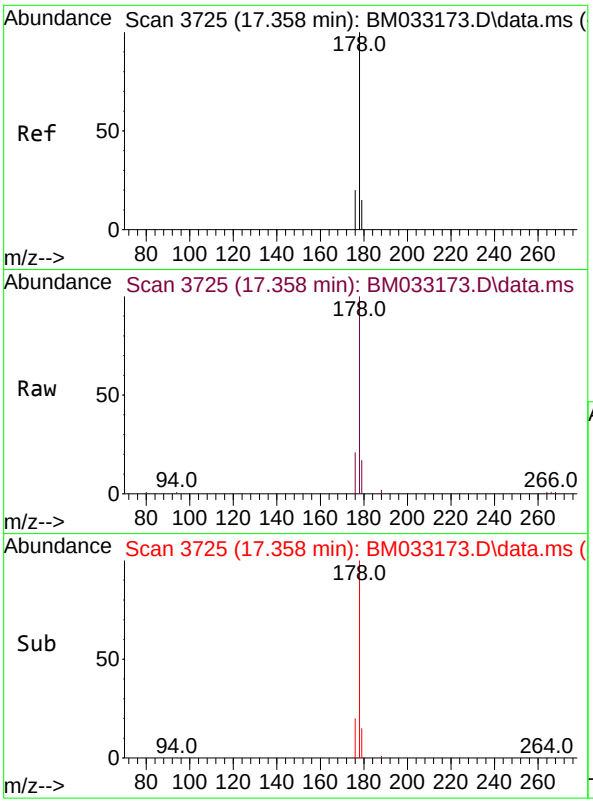




#14
Pentachlorophenol
Concen: 0.480 ng/ul
RT: 16.966 min Scan# 3612
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:266 Resp: 899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.3 | 51.2 | 76.8 |
| 268 | 66.6 | 52.9 | 79.3 |



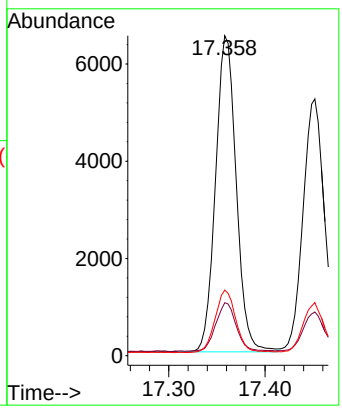


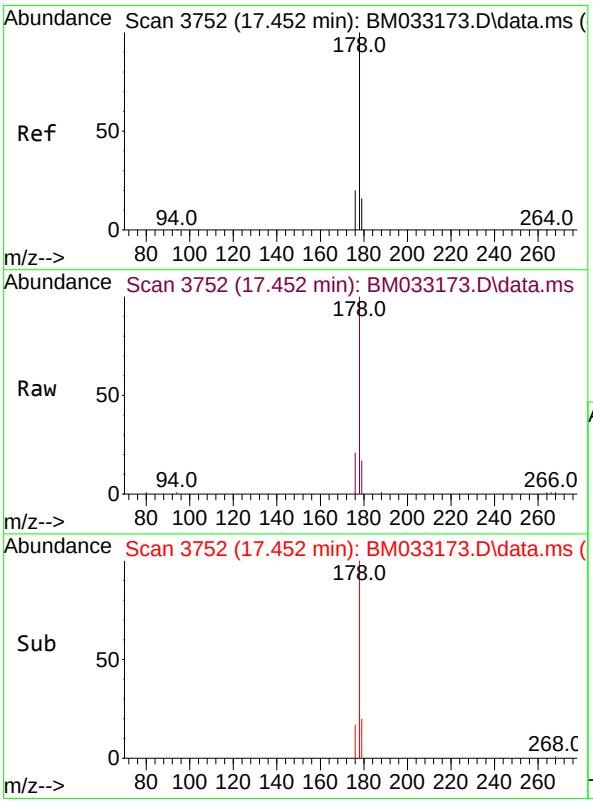

#15
Phenanthrene
Concen: 0.407 ng/ul
RT: 17.358 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:178 Resp: 9720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.9 | 19.3 |
| 176 | 20.5 | 16.0 | 24.0 |

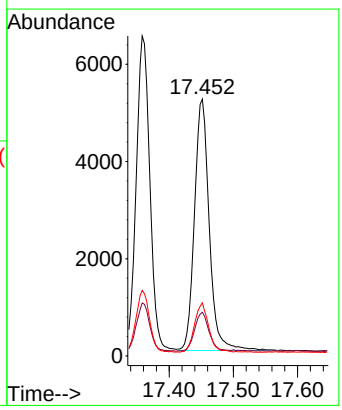


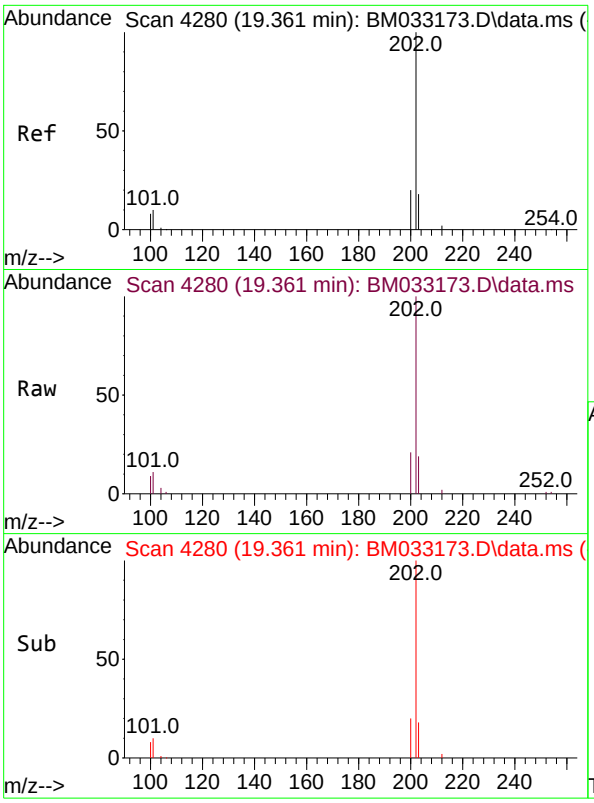




#16
Anthracene
Concen: 0.396 ng/ul
RT: 17.452 min Scan# 3752
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:178 Resp: 8312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.0 | 13.0 | 19.6 |
| 176 | 20.7 | 15.6 | 23.4 |



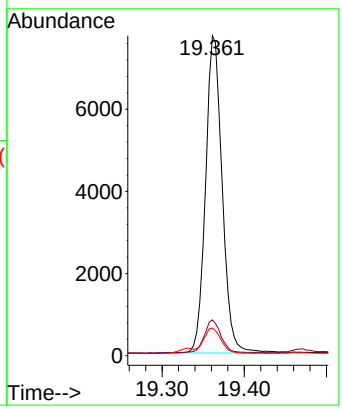


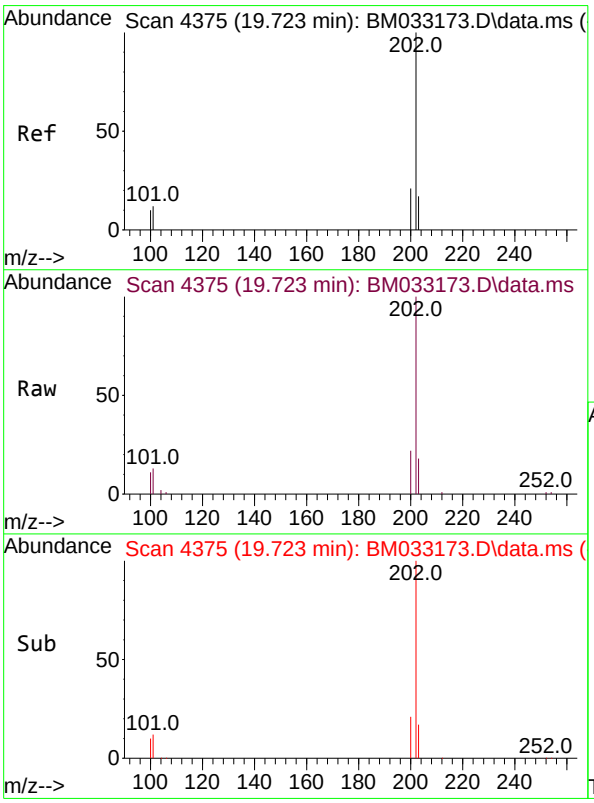

#19
Fluoranthene
Concen: 0.383 ng/ul
RT: 19.361 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:202 Resp: 10871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 9.9 | 14.9 |
| 100 | 8.6 | 7.3 | 10.9 |

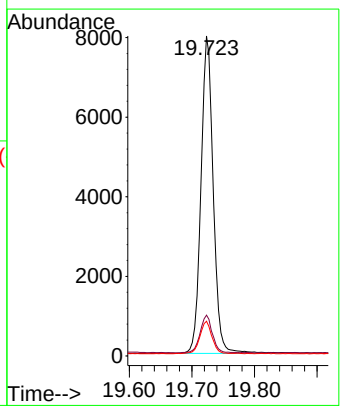


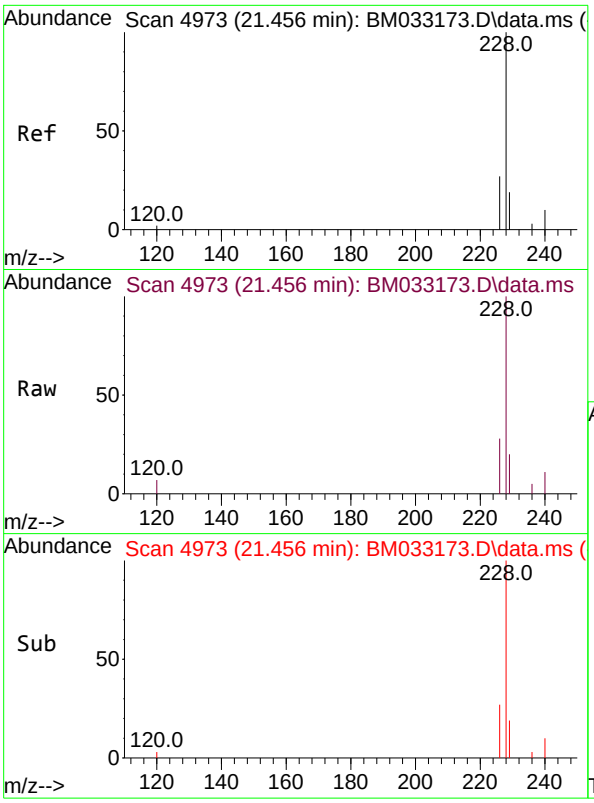




#20
Pyrene
Concen: 0.367 ng/ul
RT: 19.723 min Scan# 4375
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:202 Resp: 10842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 11.8 | 17.6 |
| 100 | 10.9 | 9.5 | 14.3 |



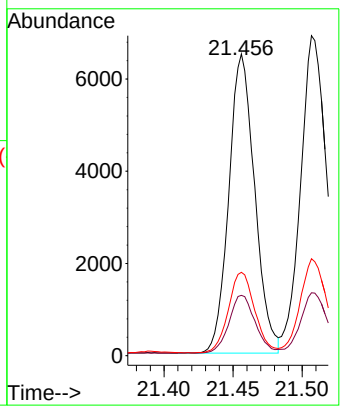


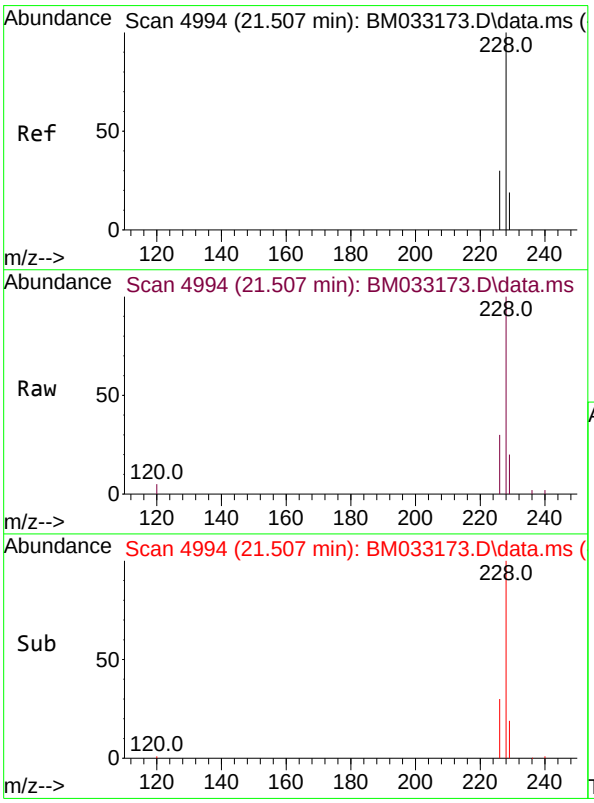

#21
Benzo(a)anthracene
Concen: 0.378 ng/ul
RT: 21.456 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:228 Resp: 8464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.0 | 15.7 | 23.5 |
| 226 | 27.6 | 22.4 | 33.6 |

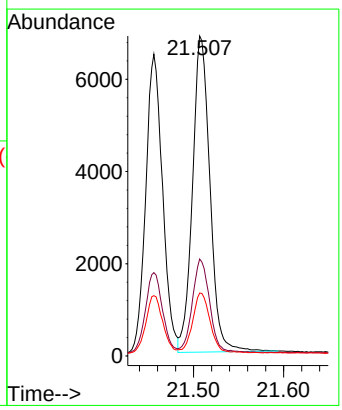


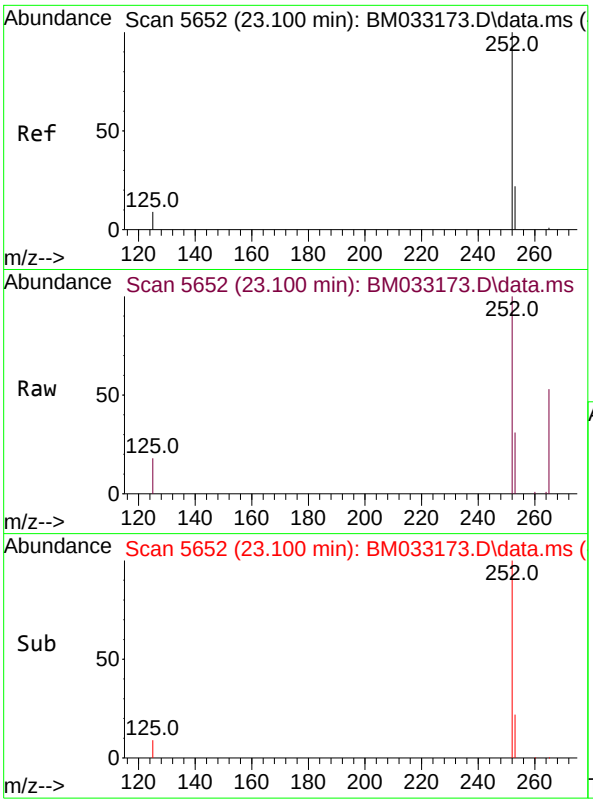




#22
Chrysene
Concen: 0.366 ng/ul
RT: 21.507 min Scan# 4994
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:228 Resp: 9228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.9 | 37.3 |
| 229 | 19.7 | 16.1 | 24.1 |



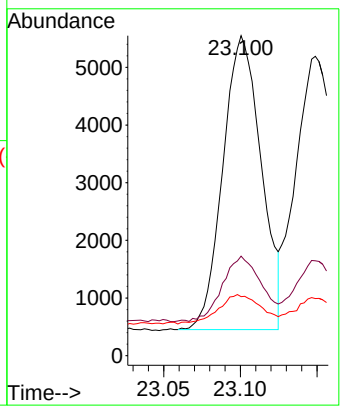


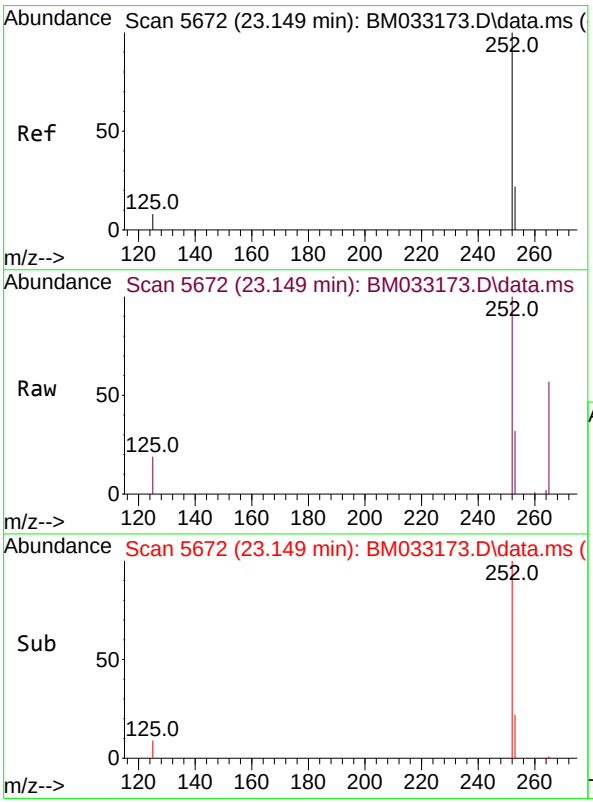

#24
Benzo(b)fluoranthene
Concen: 0.384 ng/ul
RT: 23.100 min Scan# 5
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:252 Resp: 8875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.1 | 0.0 | 59.2 |
| 125 | 18.5 | 0.0 | 34.2 |

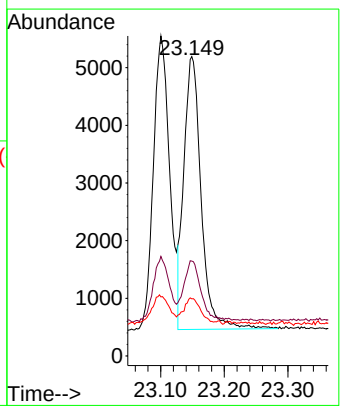


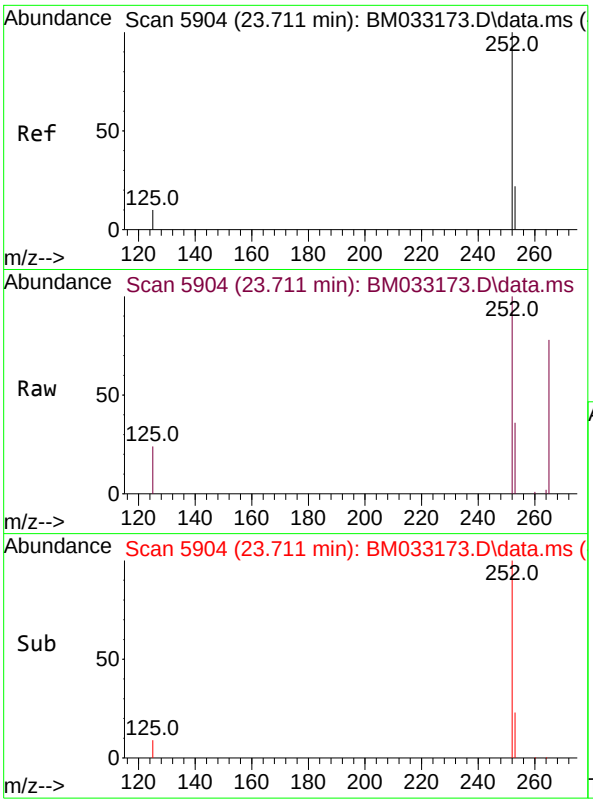




#25
Benzo(k)fluoranthene
Concen: 0.361 ng/ul
RT: 23.149 min Scan# 5672
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:252 Resp: 8937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.7 | 23.1 | 34.7 |
| 125 | 19.1 | 14.6 | 21.8 |



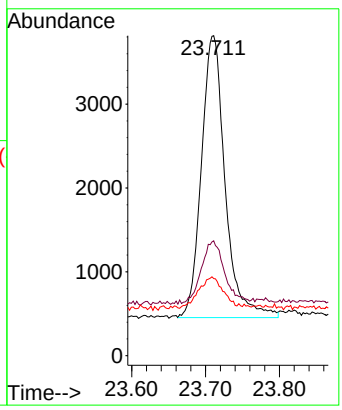


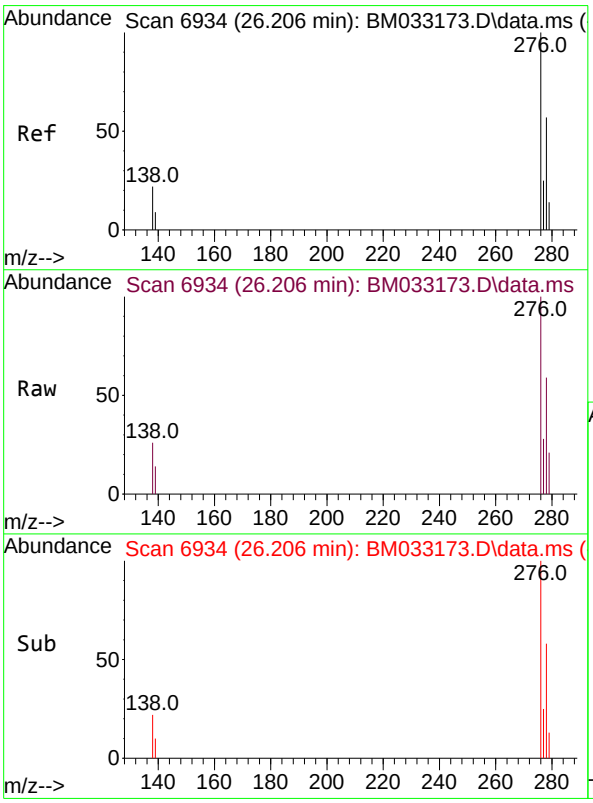

#26
Benzo(a)pyrene
Concen: 0.394 ng/ul
RT: 23.711 min Scan# 5
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:252 Resp: 7504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 35.9 | 27.1 | 40.7 |
| 125 | 24.1 | 17.4 | 26.2 |

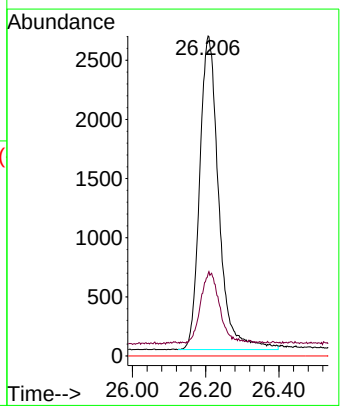


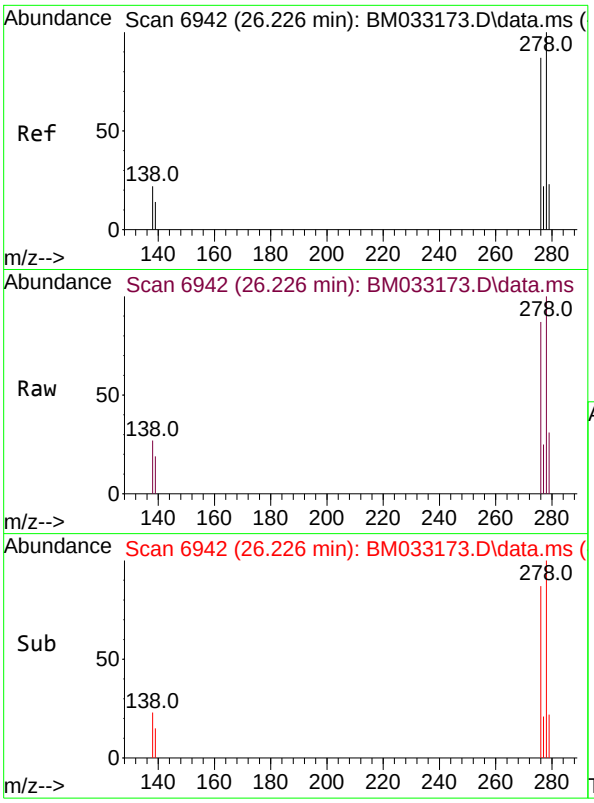




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng/ul
RT: 26.206 min Scan# 6934
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:276 Resp: 9564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 22.9 | 34.3# |
| 227 | 0.0 | 0.0 | 0.0 |



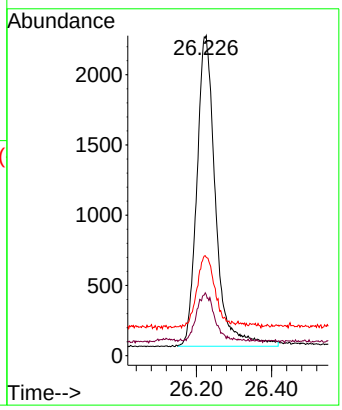


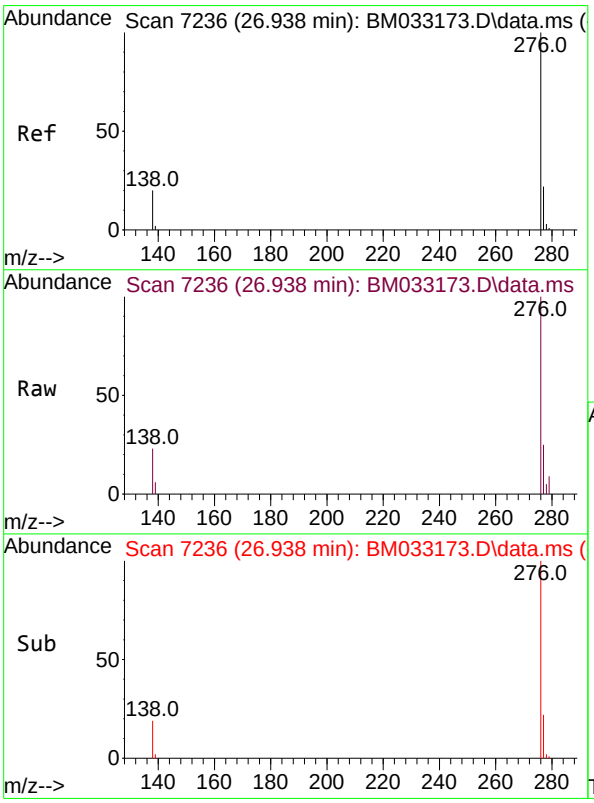

#28
Dibenzo(a,h)anthracene
Concen: 0.438 ng/ul
RT: 26.226 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

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

Tgt Ion:278 Resp: 7603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.1 | 18.2 | 27.2 |
| 279 | 30.8 | 24.6 | 36.8 |




#29
Benzo(g,h,i)perylene
Concen: 0.455 ng/ul
RT: 26.938 min Scan# 7236
Delta R.T. 0.000 min
Lab File: BM033173.D
Acq: 19 Nov 2021 13:16

Tgt Ion:276 Resp: 8646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.4 | 22.2 | 33.2 |
| 277 | 25.1 | 21.0 | 31.4 |