Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032822\
Data File : BM034391.D
Acq On : 28 Mar 2022 12:17
Operator : CG/JU
Sample : SSTD0.108
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Quant Time: Mar 28 17:17:08 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM032822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 17:15:47 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.937 | 152 | 2637 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.752 | 136 | 7280 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.578 | 164 | 3815 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.324 | 188 | 7136 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.501 | 240 | 6064 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.912 | 264 | 6670 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.305 | 96 | 444 | 0.145 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.346 | 152 | 1039 | 0.093 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.348 | 212 | 1951 | 0.107 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.343 | 88 | 671 | 0.225 | ng/ul# | 43 |
| 5) Naphthalene | 10.796 | 128 | 2329 | 0.116 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.418 | 142 | 1309 | 0.093 | ng/ul | 91 |
| 8) 1-Methylnaphthalene | 12.632 | 142 | 1342 | 0.096 | ng/ul | 97 |
| 10) Acenaphthylene | 14.301 | 152 | 1886 | 0.117 | ng/ul | 99 |
| 11) Acenaphthene | 14.638 | 153 | 1475 | 0.113 | ng/ul | 95 |
| 12) Fluorene | 15.628 | 166 | 1586 | 0.101 | ng/ul# | 95 |
| 14) Pentachlorophenol | 16.982 | 266 | 376 | 0.164 | ng/ul | 99 |
| 15) Phenanthrene | 17.362 | 178 | 2530 | 0.117 | ng/ul# | 94 |
| 16) Anthracene | 17.455 | 178 | 2100 | 0.107 | ng/ul# | 94 |
| 19) Fluoranthene | 19.380 | 202 | 3054 | 0.123 | ng/ul# | 87 |
| 20) Pyrene | 19.738 | 202 | 3416 | 0.137 | ng/ul# | 84 |
| 21) Benzo(a)anthracene | 21.486 | 228 | 2143 | 0.101 | ng/ul# | 78 |
| 22) Chrysene | 21.539 | 228 | 2323 | 0.104 | ng/ul# | 81 |
| 24) Benzo(b)fluoranthene | 23.178 | 252 | 2551 | 0.094 | ng/ul# | 1 |
| 25) Benzo(k)fluoranthene | 23.228 | 252 | 2367 | 0.086 | ng/ul# | 4 |
| 26) Benzo(a)pyrene | 23.810 | 252 | 2643 | 0.115 | ng/ul# | 1 |
| 27) Indeno(1,2,3-cd)pyrene | 26.441 | 276 | 3359 | 0.105 | ng/ul# | 85 |
| 28) Dibenzo(a,h)anthracene | 26.468 | 278 | 2604 | 0.100 | ng/ul# | 1 |
| 29) Benzo(g,h,i)perylene | 27.216 | 276 | 3155 | 0.112 | ng/ul# | 50 |

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

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Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Quant Time: Mar 28 17:17:08 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM032822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 28 17:15:47 2022
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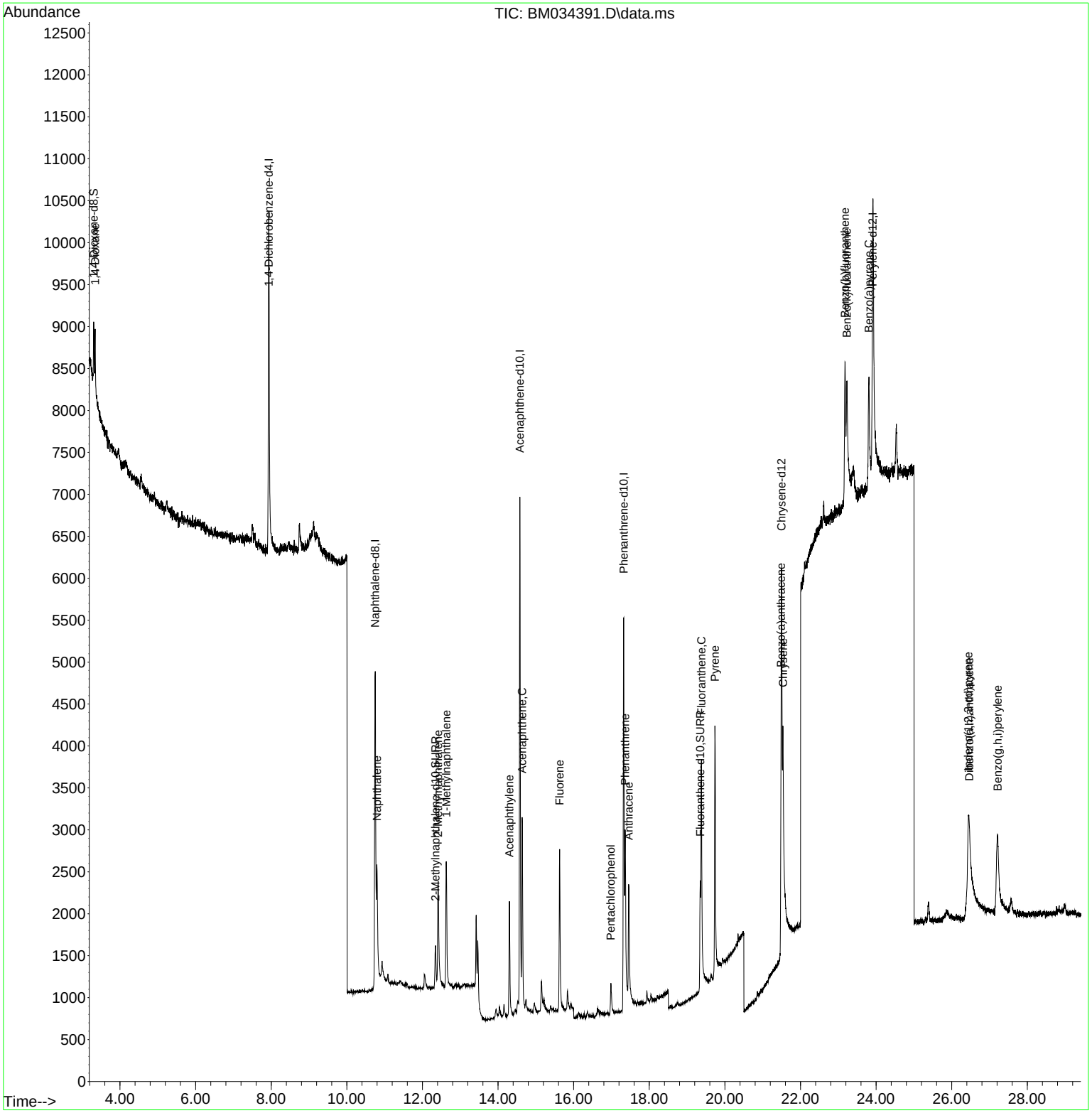
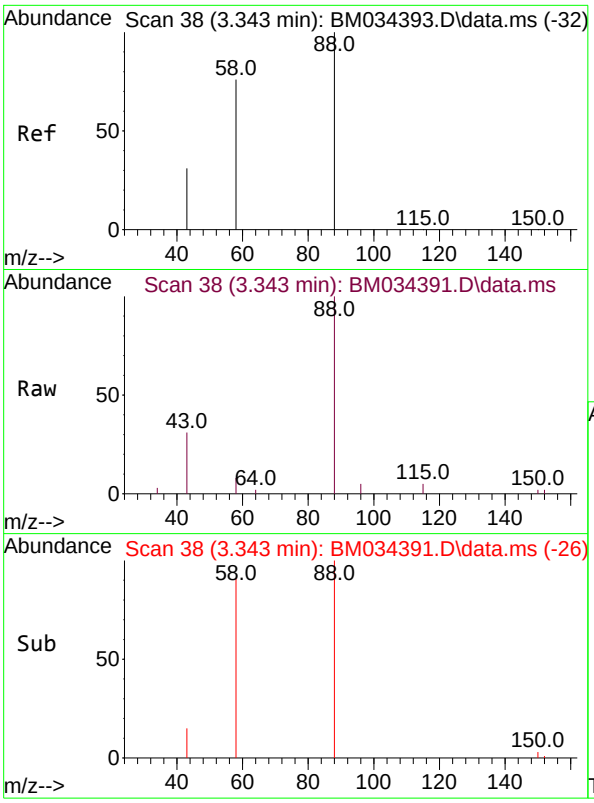


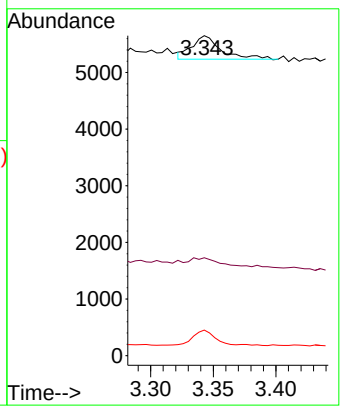


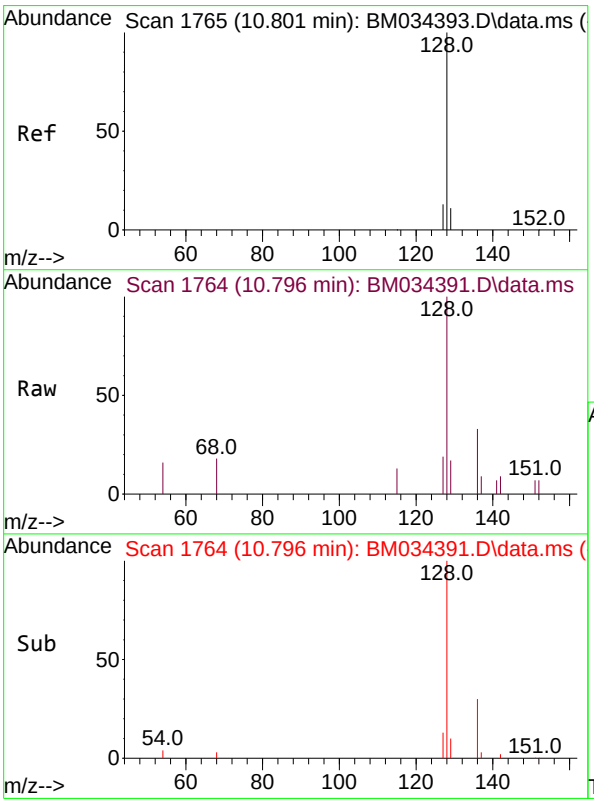

#2
1,4-Dioxane
Concen: 0.225 ng/ul
RT: 3.343 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion: 88 Resp: 671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 30.6 | 49.7 | 74.5# |
| 58 | 8.0 | 52.5 | 78.7# |

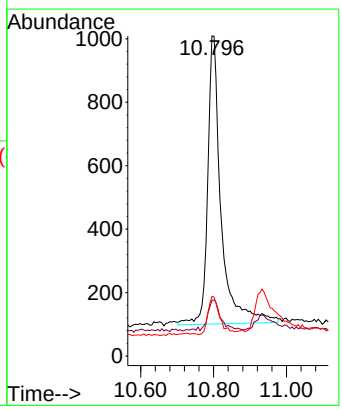


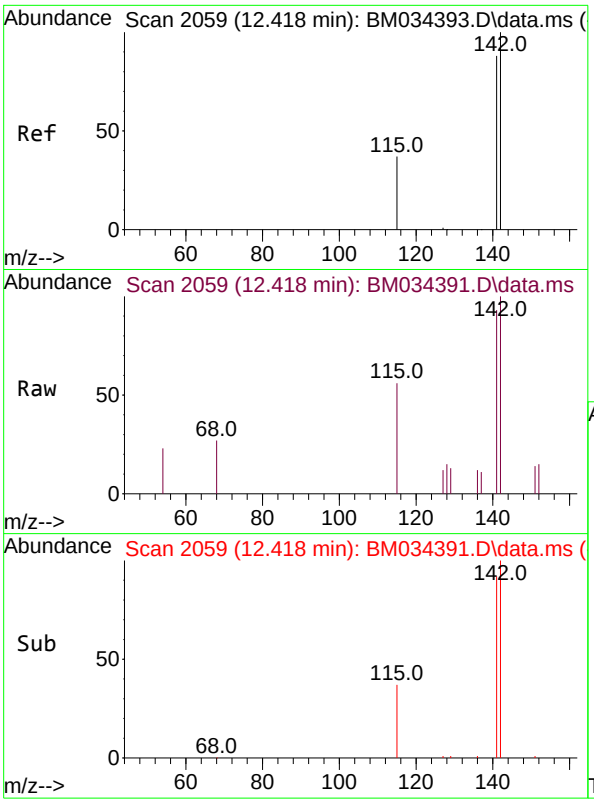




#5
Naphthalene
Concen: 0.116 ng/ul
RT: 10.796 min Scan# 1764
Delta R.T. -0.005 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:128 Resp: 2329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 17.4 | 13.4 | 20.2 |
| 127 | 18.6 | 15.2 | 22.8 |



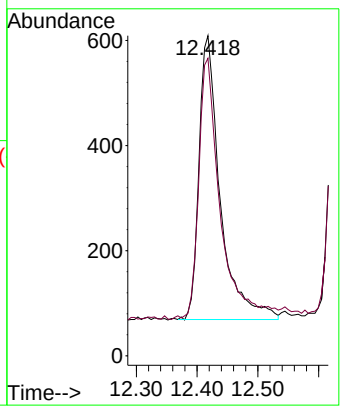


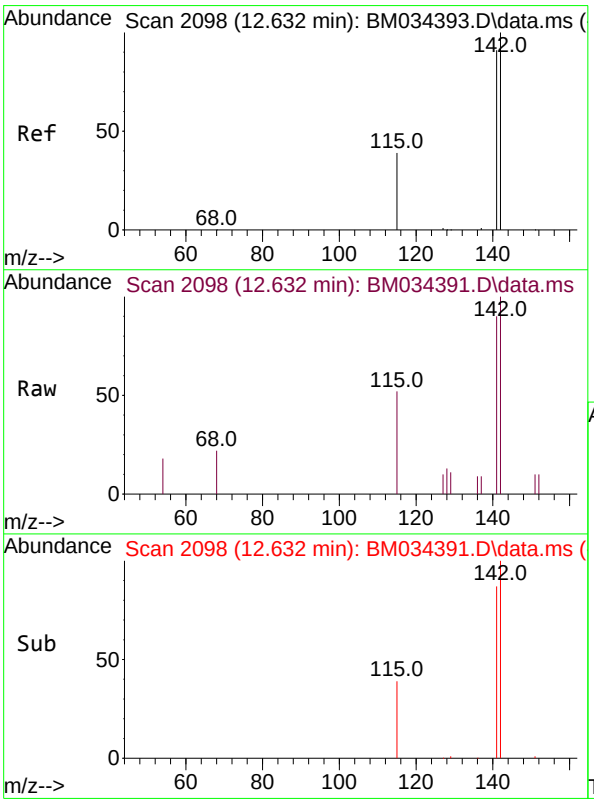

#7
2-Methylnaphthalene
Concen: 0.093 ng/ul
RT: 12.418 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:142 Resp: 1309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.2 | 71.8 | 107.6 |

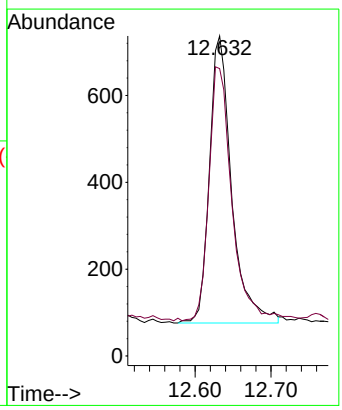


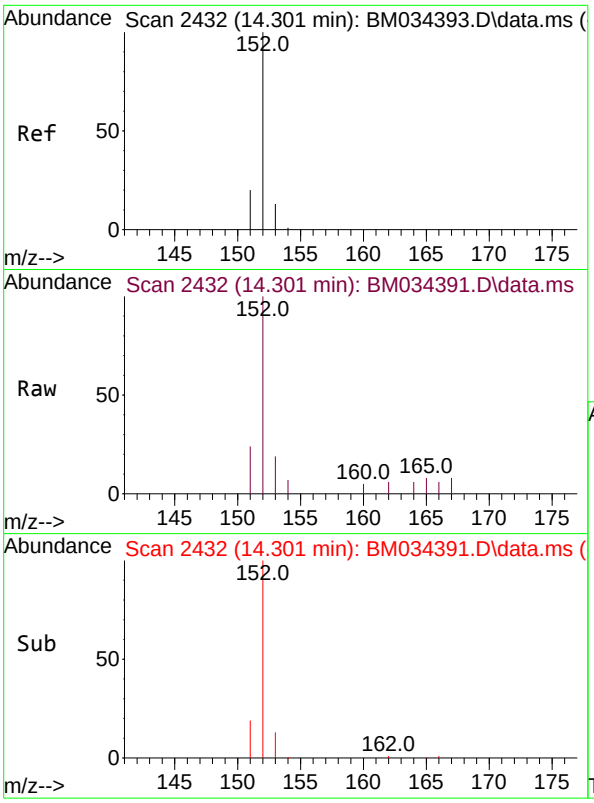




#8
1-Methylnaphthalene
Concen: 0.096 ng/ul
RT: 12.632 min Scan# 2098
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:142 Resp: 1342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 75.0 | 112.4 |



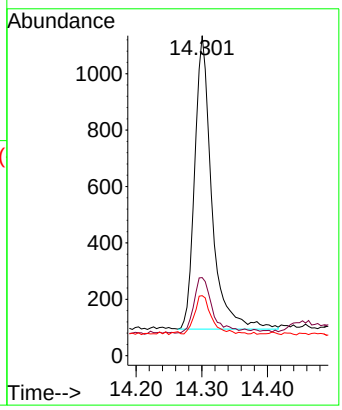


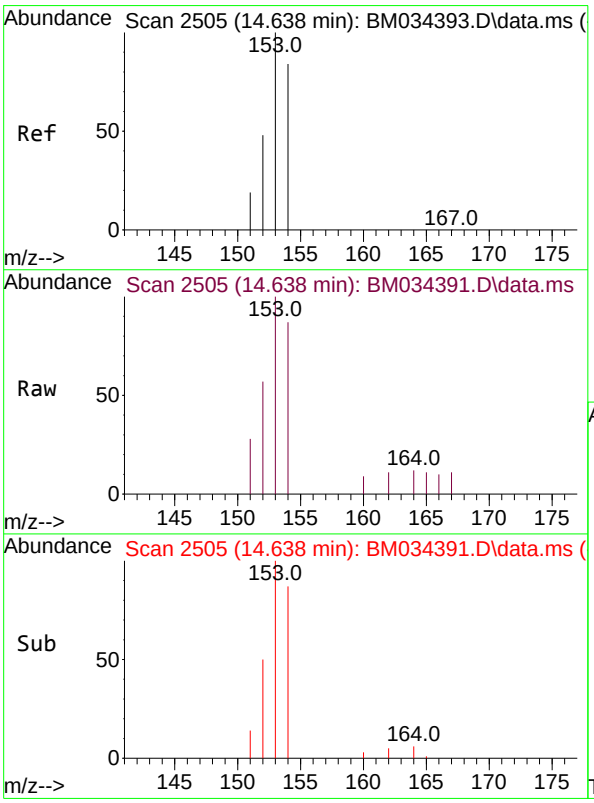

#10
Acenaphthylene
Concen: 0.117 ng/ul
RT: 14.301 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:152 Resp: 1886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 24.4 | 19.9 | 29.9 |
| 153 | 18.8 | 15.0 | 22.4 |

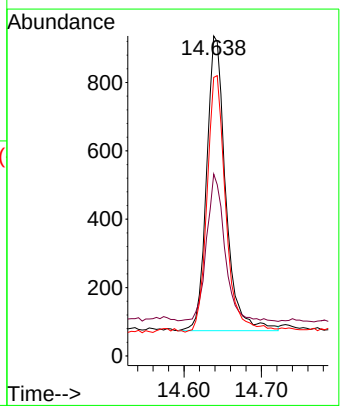


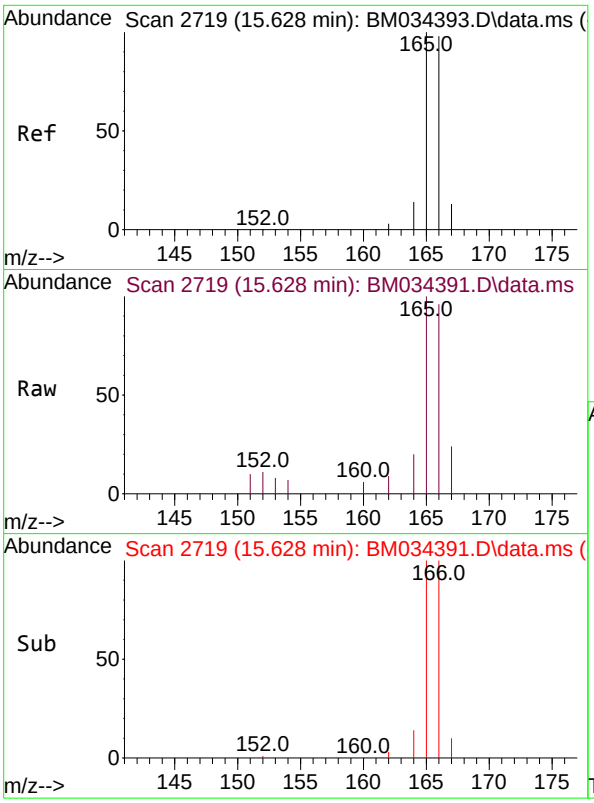




#11
Acenaphthene
Concen: 0.113 ng/ul
RT: 14.638 min Scan# 2505
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:153 Resp: 1475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 56.8 | 42.4 | 63.6 |
| 154 | 87.1 | 66.2 | 99.2 |



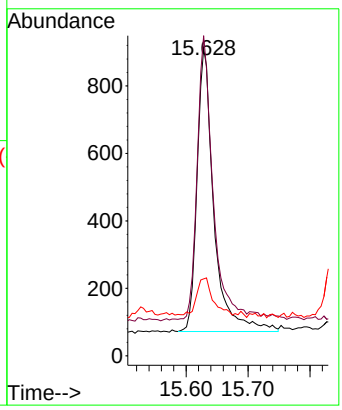


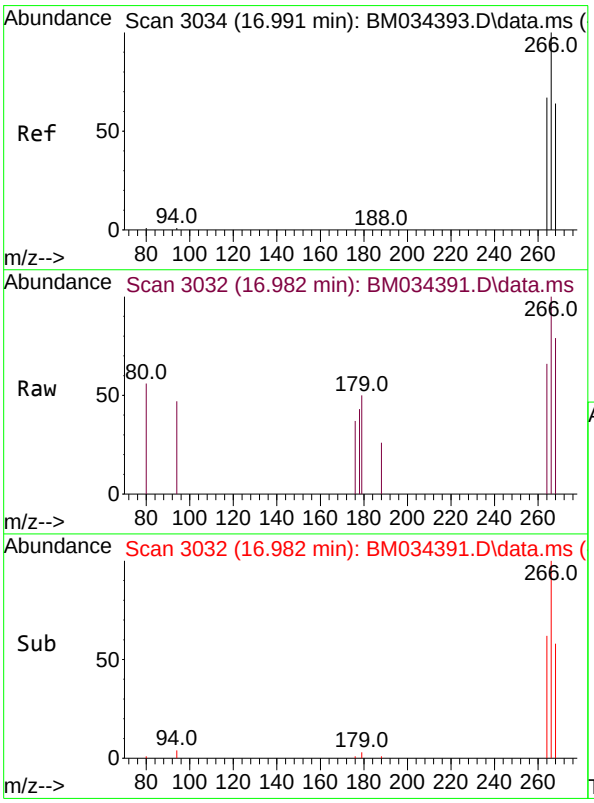

#12
Fluorene
Concen: 0.101 ng/ul
RT: 15.628 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:166 Resp: 1586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 104.3 | 81.1 | 121.7 |
| 167 | 25.1 | 14.9 | 22.3# |

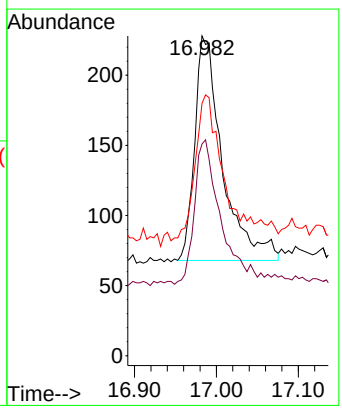


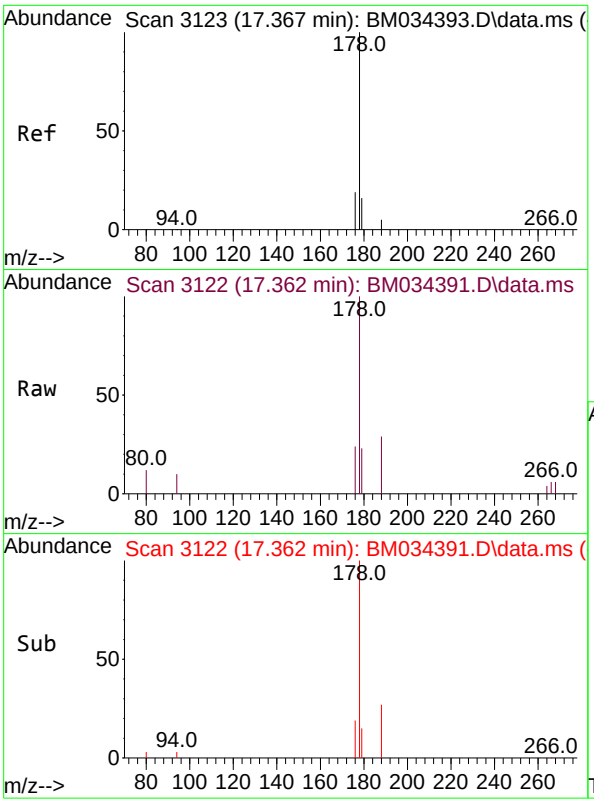




#14
Pentachlorophenol
Concen: 0.164 ng/ul
RT: 16.982 min Scan# 3032
Delta R.T. -0.008 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:266 Resp: 376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.0 | 51.4 | 77.0 |
| 268 | 65.4 | 53.1 | 79.7 |



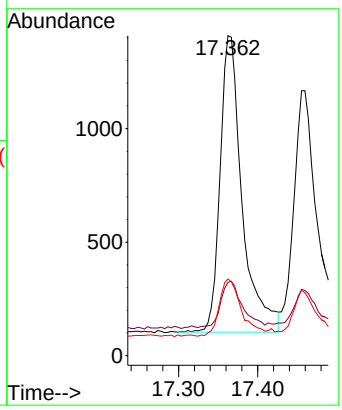


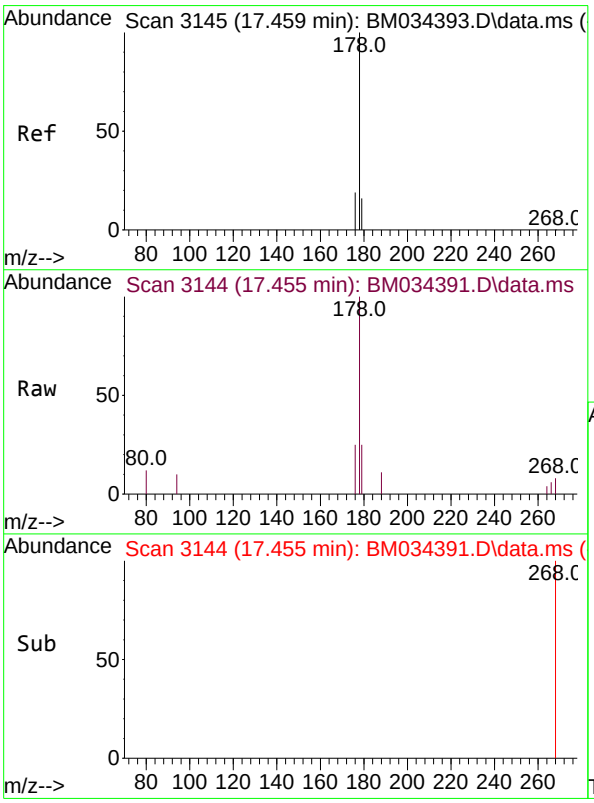

#15
Phenanthrene
Concen: 0.117 ng/ul
RT: 17.362 min Scan# 3
Delta R.T. -0.004 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:178 Resp: 2530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 22.9 | 15.0 | 22.6# |
| 176 | 24.0 | 17.9 | 26.9 |

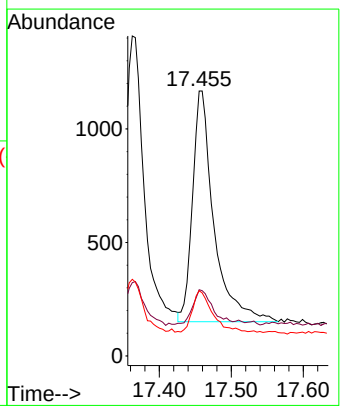


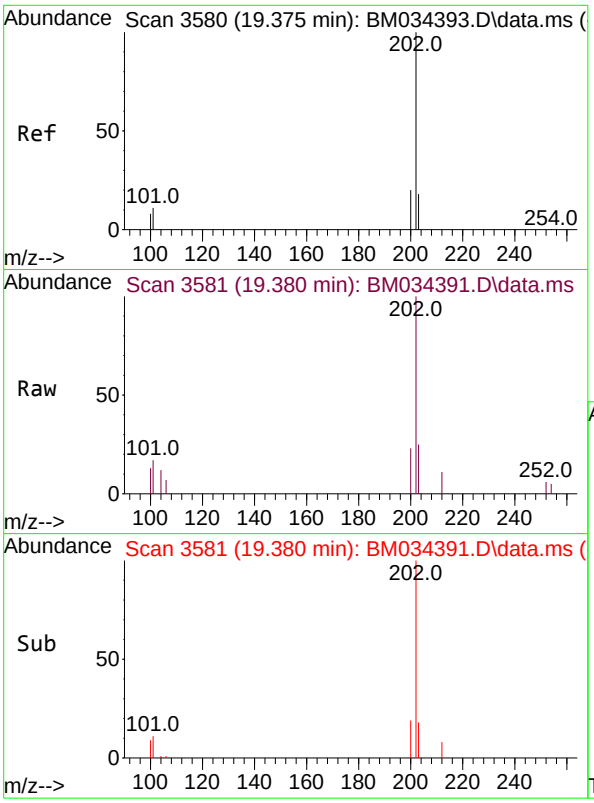




#16
Anthracene
Concen: 0.107 ng/ul
RT: 17.455 min Scan# 3144
Delta R.T. -0.004 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:178 Resp: 2100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 25.0 | 16.5 | 24.7# |
| 176 | 24.7 | 18.3 | 27.5 |



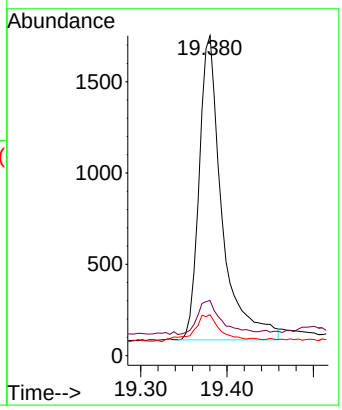


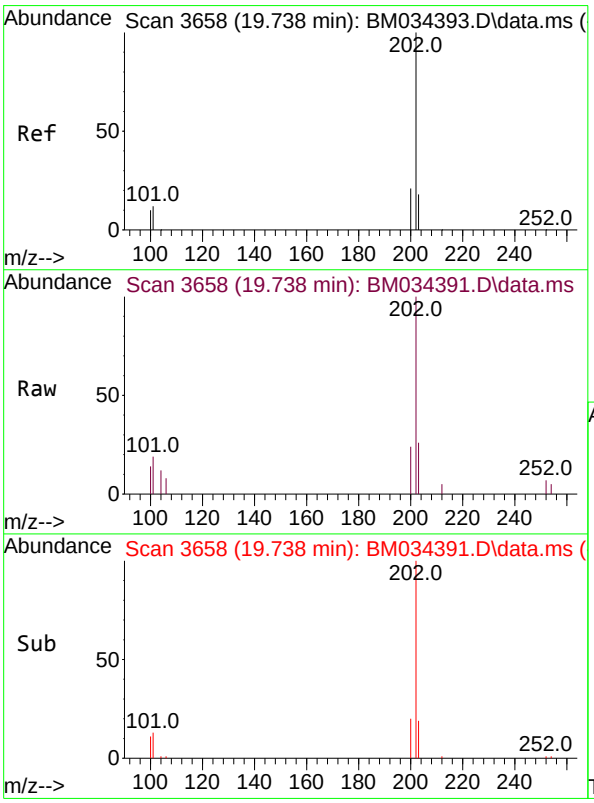

#19
Fluoranthene
Concen: 0.123 ng/ul
RT: 19.380 min Scan# 3
Delta R.T. 0.005 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:202 Resp: 3054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.2 | 9.2 | 13.8# |
| 100 | 12.8 | 7.2 | 10.8# |

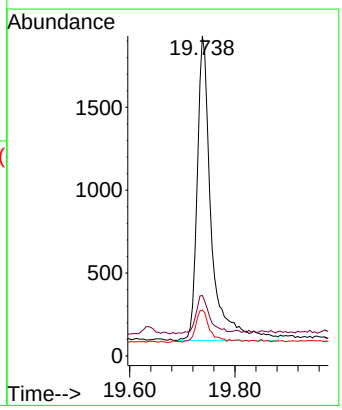


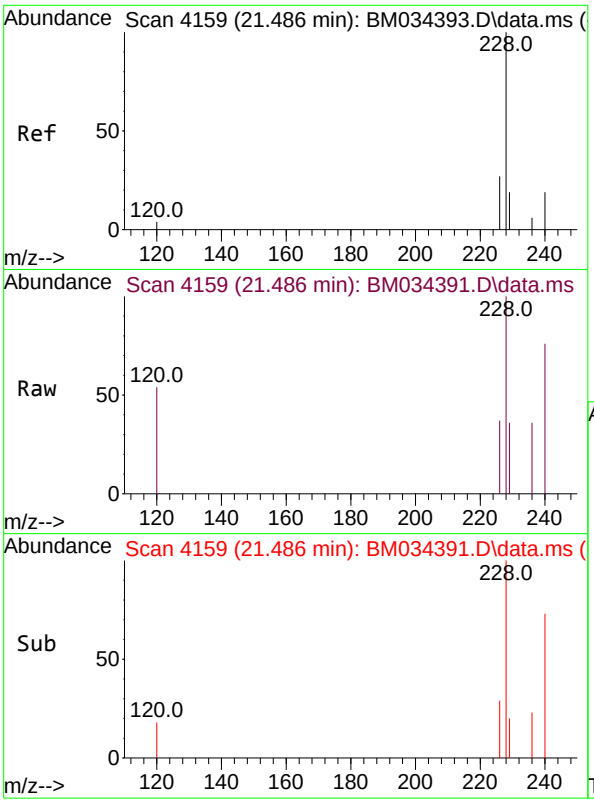




#20
Pyrene
Concen: 0.137 ng/ul
RT: 19.738 min Scan# 3658
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:202 Resp: 3416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.9 | 9.3 | 13.9# |
| 100 | 14.3 | 7.8 | 11.6# |



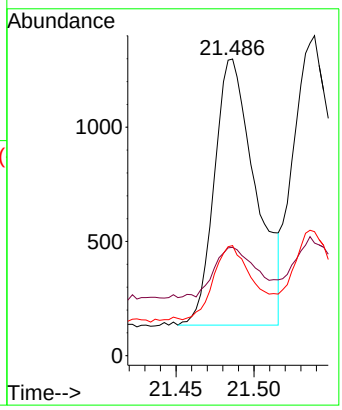


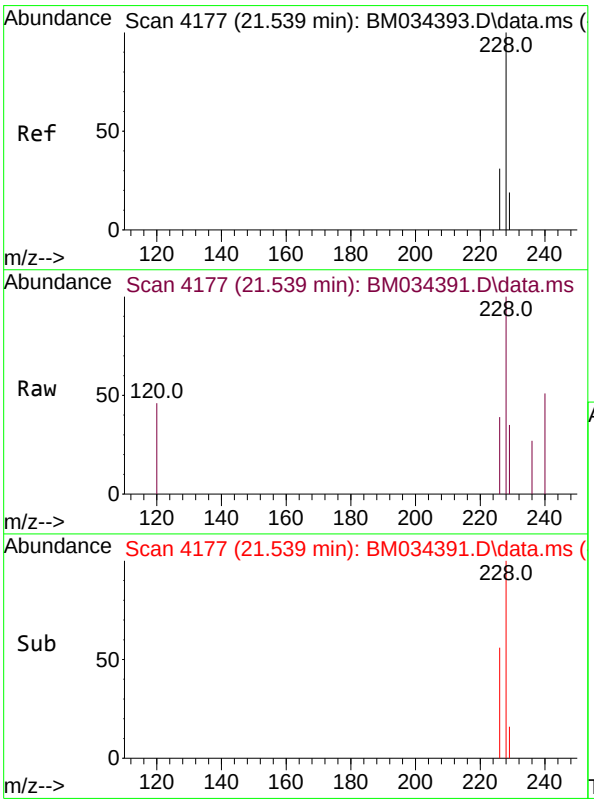

#21
Benzo(a)anthracene
Concen: 0.101 ng/ul
RT: 21.486 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:228 Resp: 2143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 36.5 | 17.3 | 25.9# |
| 226 | 37.1 | 23.2 | 34.8# |

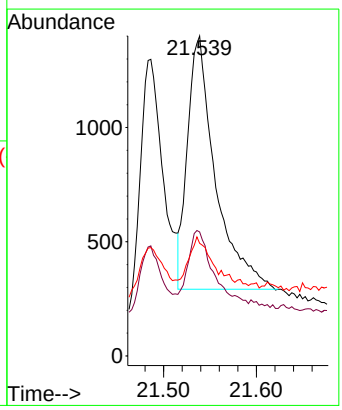


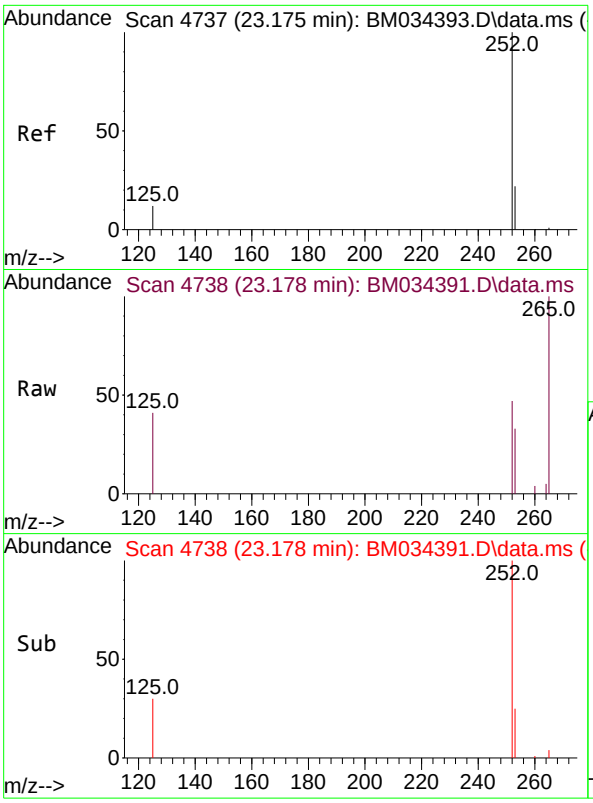




#22
Chrysene
Concen: 0.104 ng/ul
RT: 21.539 min Scan# 4177
Delta R.T. 0.000 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:228 Resp: 2323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 38.8 | 25.8 | 38.8 |
| 229 | 35.2 | 16.7 | 25.1# |



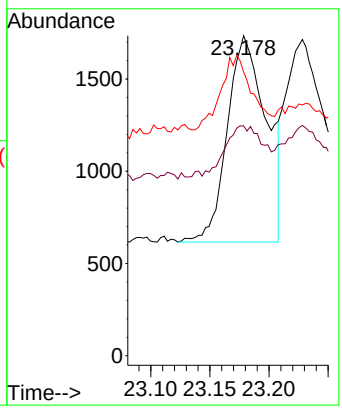


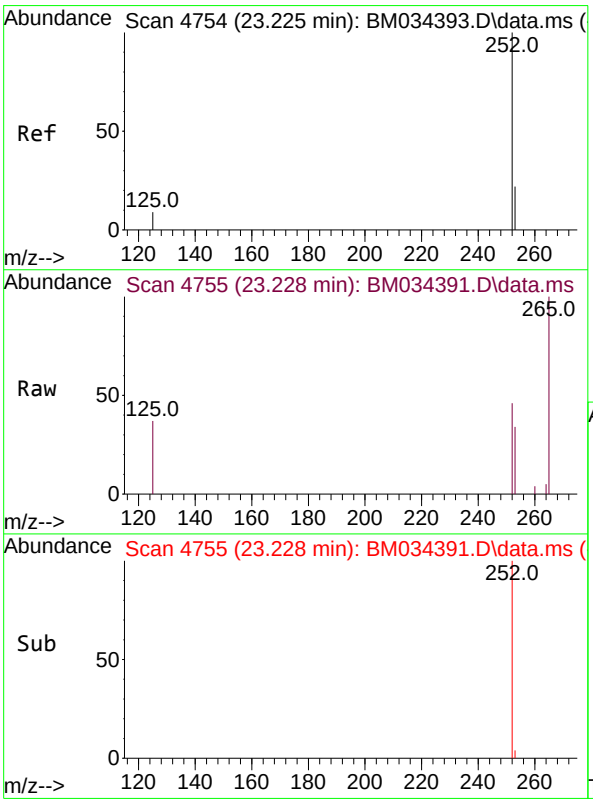

#24
Benzo(b)fluoranthene
Concen: 0.094 ng/ul
RT: 23.178 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:252 Resp: 2551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 71.8 | 0.0 | 64.2# |
| 125 | 88.6 | 0.0 | 28.8# |

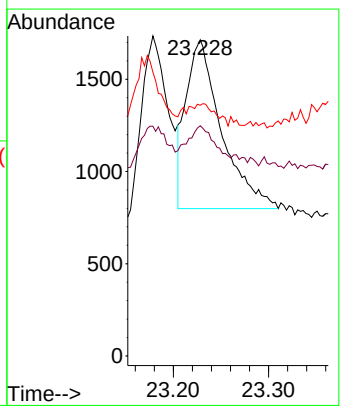


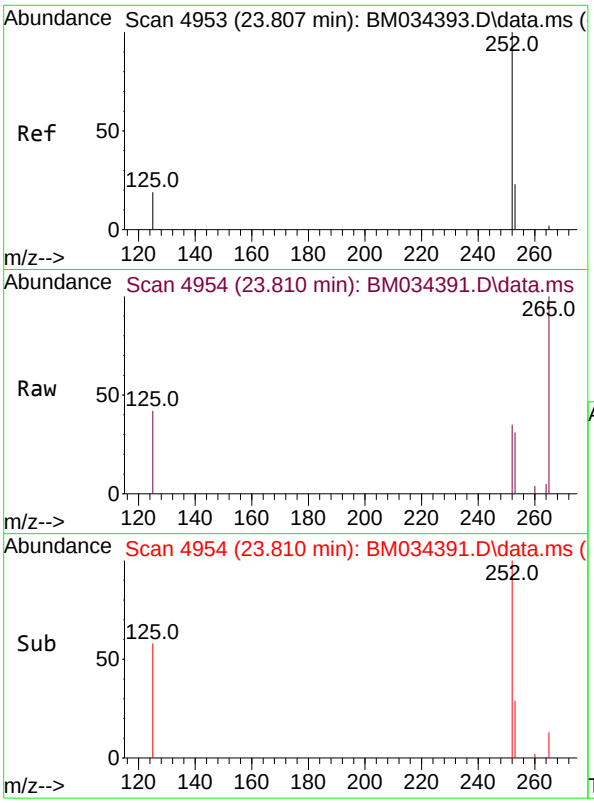




#25
Benzo(k)fluoranthene
Concen: 0.086 ng/ul
RT: 23.228 min Scan# 4755
Delta R.T. 0.003 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:252 Resp: 2367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 72.8 | 26.8 | 40.2# |
| 125 | 79.3 | 12.0 | 18.0# |



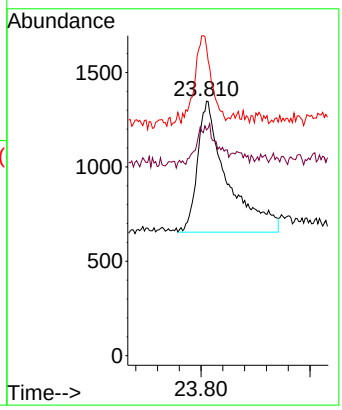


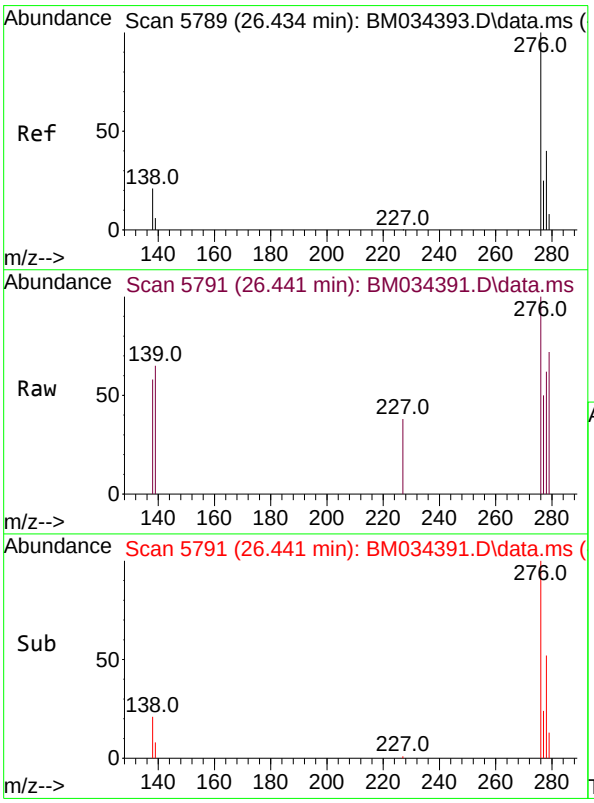

#26
Benzo(a)pyrene
Concen: 0.115 ng/ul
RT: 23.810 min Scan# 4
Delta R.T. 0.003 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:252 Resp: 2643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 88.7 | 32.0 | 48.0# |
| 125 | 121.1 | 14.5 | 21.7# |

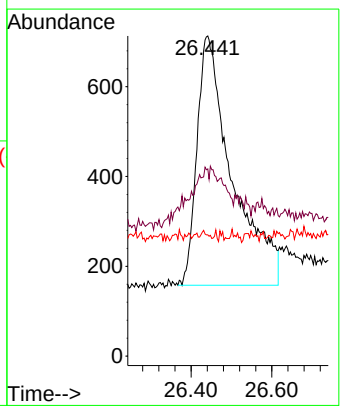


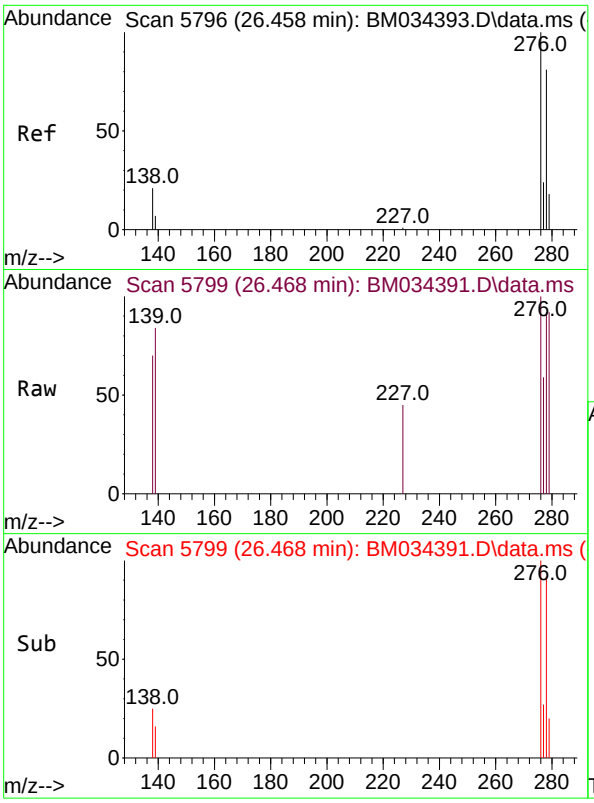




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.105 ng/ul
RT: 26.441 min Scan# 5791
Delta R.T. 0.007 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:276 Resp: 3359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 13.0 | 15.8 | 23.6# |
| 227 | 0.5 | 0.0 | 0.0# |



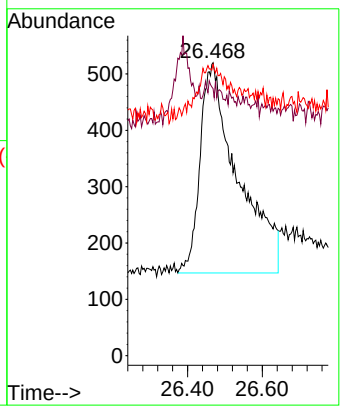


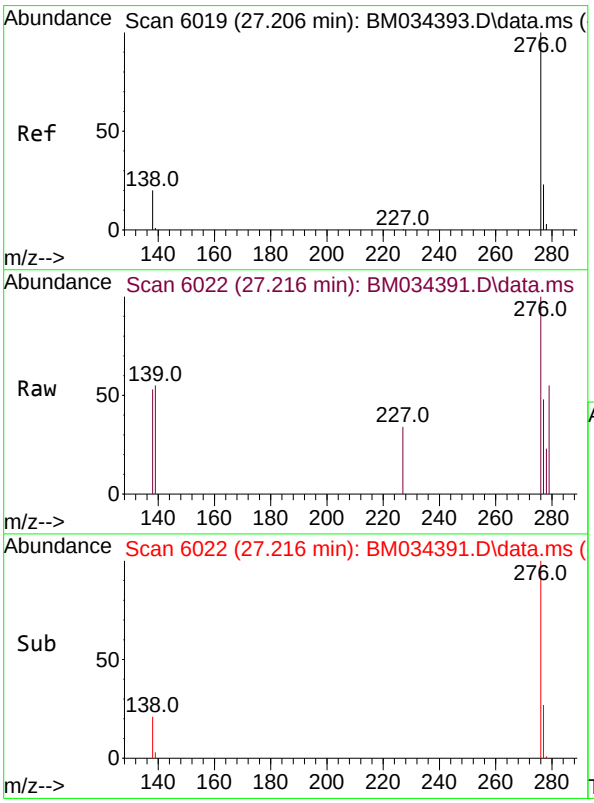

#28
Dibenzo(a,h)anthracene
Concen: 0.100 ng/ul
RT: 26.468 min Scan# 5
Delta R.T. 0.010 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.1008

Tgt Ion:278 Resp: 2604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 91.2 | 18.0 | 27.0# |
| 279 | 99.4 | 28.6 | 42.8# |




#29
Benzo(g,h,i)perylene
Concen: 0.112 ng/ul
RT: 27.216 min Scan# 6022
Delta R.T. 0.010 min
Lab File: BM034391.D
Acq: 28 Mar 2022 12:17

Tgt Ion:276 Resp: 3155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 53.3 | 17.4 | 26.0# |
| 277 | 48.1 | 22.6 | 33.8# |