Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040424\
Data File : BN030626.D
Acq On : 03 Apr 2024 13:31
Operator : MA/JU
Sample : P1933-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
EZZZ4

Quant Time: Apr 03 14:11:39 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Mar 31 12:24:07 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.693 | 152 | 236997 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.475 | 136 | 1064460 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.334 | 164 | 691495 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.081 | 188 | 1482394 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.322 | 240 | 1307961 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.263 | 264 | 1214079 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.193 | 96 | 17015 | 3.366 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.605 | 84 | 163680 | 10.800 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.858 | 99 | 348872 | 18.197 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.034 | 67 | 215634 | 18.210 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.222 | 132 | 274289 | 18.859 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.393 | 113 | 267765 | 16.665 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.846 | 128 | 133815 | 18.122 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.563 | 143 | 118693 | 17.571 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.093 | 165 | 264885 | 17.912 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.616 | 131 | 294897 | 12.113 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.751 | 166 | 899068 | 19.474 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.028 | 160 | 1055389 | 19.882 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.534 | 143 | 16095 | 1.823 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.328 | 176 | 839322 | 20.775 | ng/ul | -0.01 |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200 | 8707 | 1.331 | ng/ul | -0.01 |
| 73) Anthracene-d10 | 17.181 | 188 | 1259856 | 19.725 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.480 | 212 | 1575372 | 22.402 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.063 | 264 | 1250190 | 22.348 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 72) Phenanthrene | 17.122 | 178 | 109010 | 1.431 | ng/ul | 99 |
| 80) Fluoranthene | 19.145 | 202 | 287703 | 3.442 | ng/ul | 98 |
| 82) Pyrene | 19.510 | 202 | 254102 | 2.878 | ng/ul | 100 |
| 85) Benzo(a)anthracene | 21.304 | 228 | 120923 | 1.385 | ng/ul | 95 |
| 87) Chrysene | 21.363 | 228 | 148136 | 1.798 | ng/ul | 98 |
| 90) Benzo(b)fluoranthene | 23.333 | 252 | 167340 | 2.342 | ng/ul# | 92 |
| 93) Benzo(a)pyrene | 24.121 | 252 | 104694 | 1.551 | ng/ul# | 88 |
| 94) Indeno(1,2,3-cd)pyrene | 27.556 | 276 | 78707 | 1.079 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 28.592 | 276 | 80253 | 1.401 | ng/ul | 98 |

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

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**Instrument :**
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Quant Title : SVOA CALIBRATION
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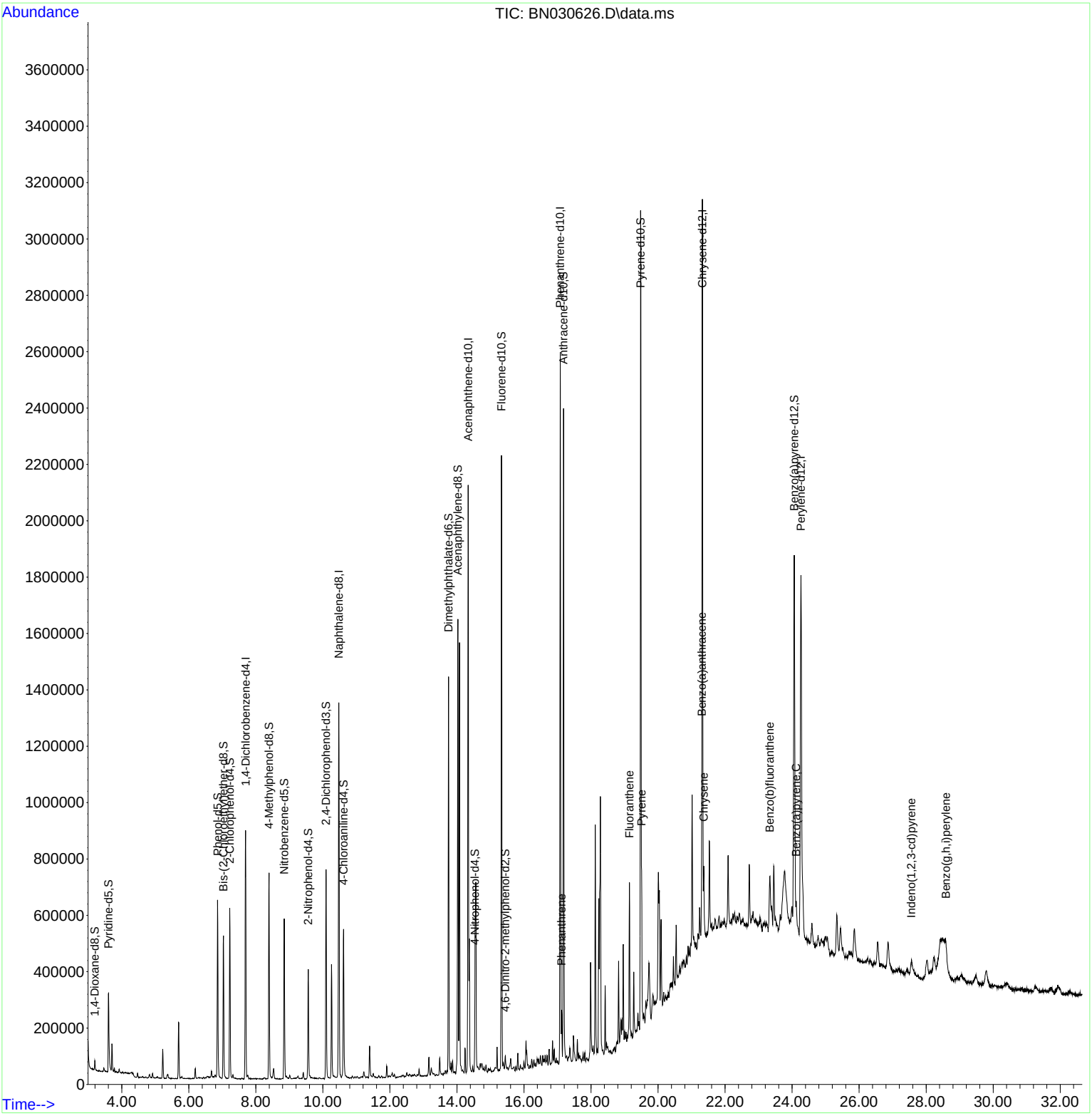
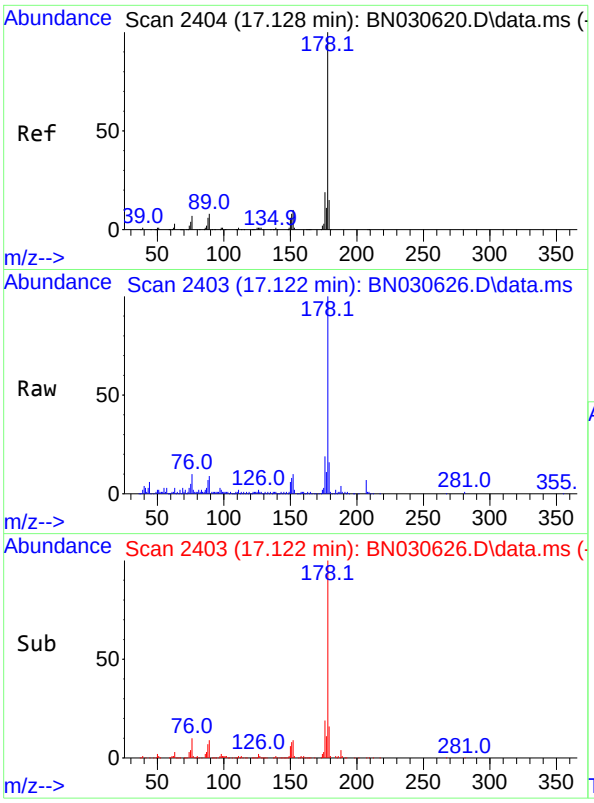


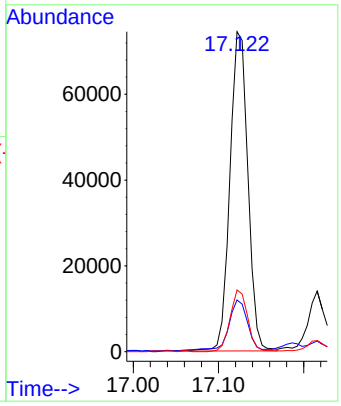


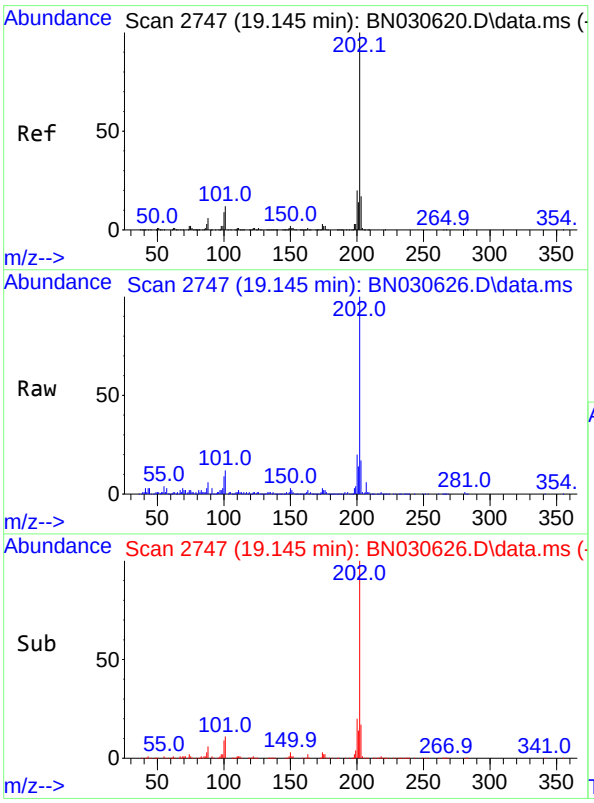

#72
Phenanthrene
Concen: 1.431 ng/ul
RT: 17.122 min Scan# 24
Delta R.T. -0.012 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

**Instrument :**
BNA_N
**ClientSampleId :**
EZZZ4

Tgt Ion:178 Resp: 109010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 12.4 | 18.6 |
| 176 | 19.3 | 15.0 | 22.6 |

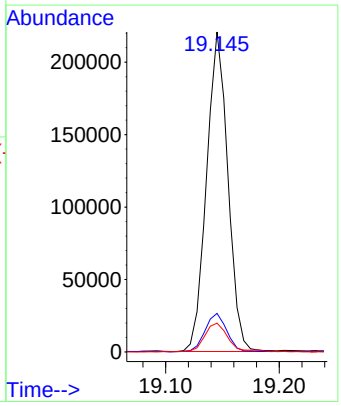


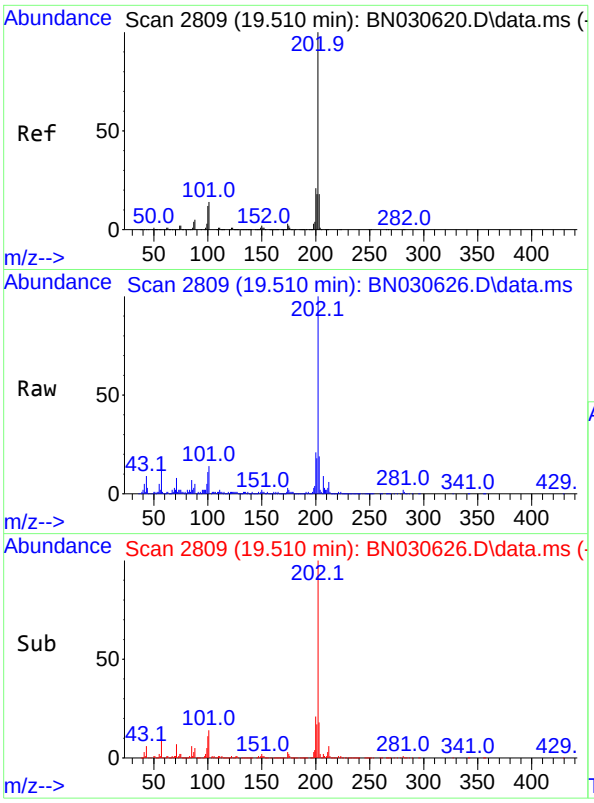




#80
Fluoranthene
Concen: 3.442 ng/ul
RT: 19.145 min Scan# 2747
Delta R.T. -0.006 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

Tgt Ion:202 Resp: 287703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 9.0 | 13.6 |
| 100 | 9.0 | 6.8 | 10.2 |



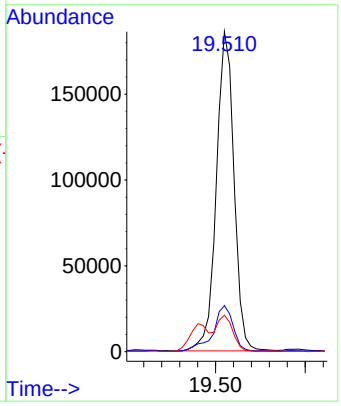


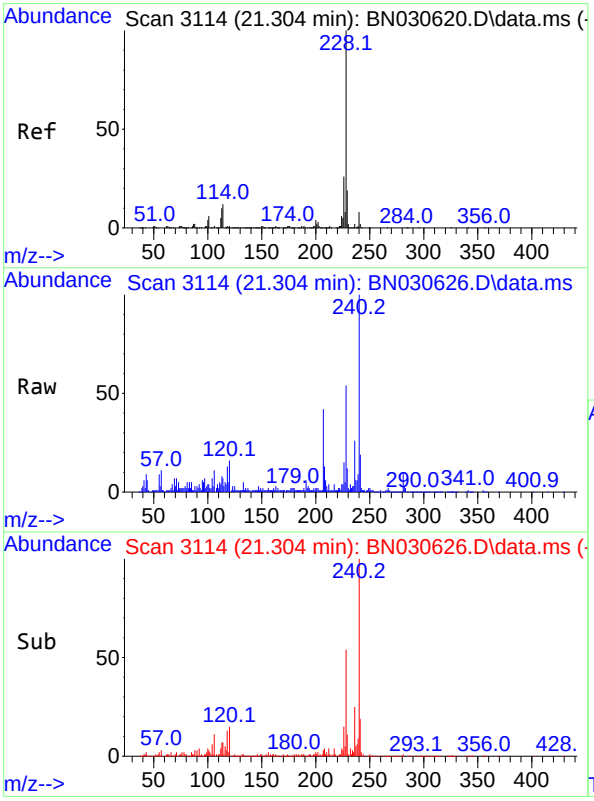

#82
Pyrene
Concen: 2.878 ng/ul
RT: 19.510 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

**Instrument :**
BNA_N
**ClientSampleId :**
EZZZ4

Tgt Ion:202 Resp: 254102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 11.3 | 16.9 |
| 100 | 11.4 | 9.2 | 13.8 |

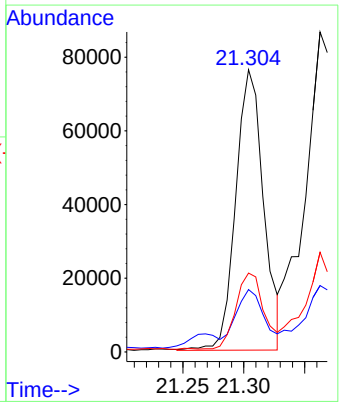


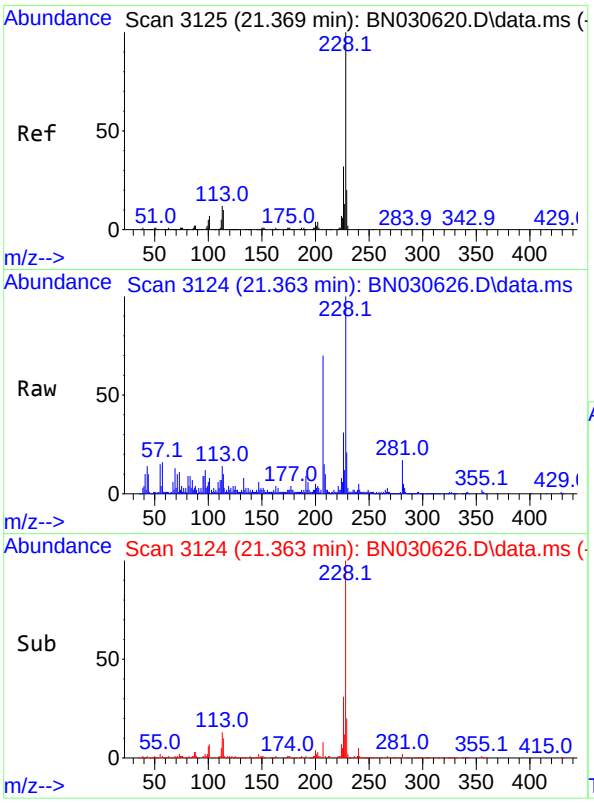




#85
Benzo(a)anthracene
Concen: 1.385 ng/ul
RT: 21.304 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

Tgt Ion:228 Resp: 120923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.1 | 15.8 | 23.6 |
| 226 | 27.9 | 20.5 | 30.7 |



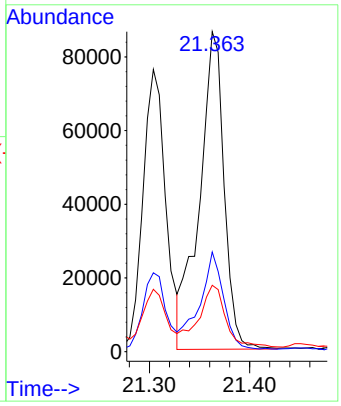


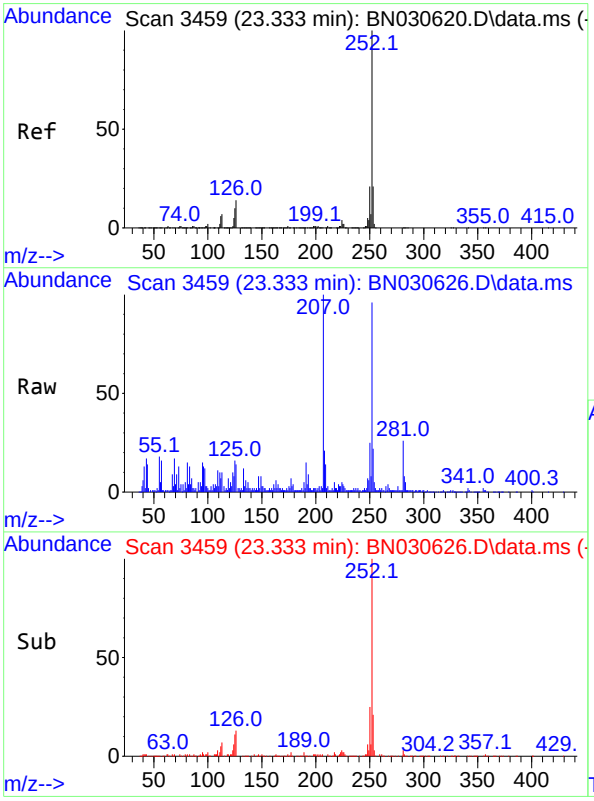

#87
Chrysene
Concen: 1.798 ng/ul
RT: 21.363 min Scan# 3
Delta R.T. -0.012 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

**Instrument :**
BNA_N
**ClientSampleId :**
EZZZ4

Tgt Ion:228 Resp: 148136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 24.3 | 36.5 |
| 229 | 20.7 | 15.9 | 23.9 |

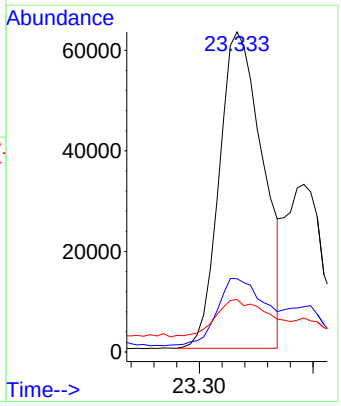


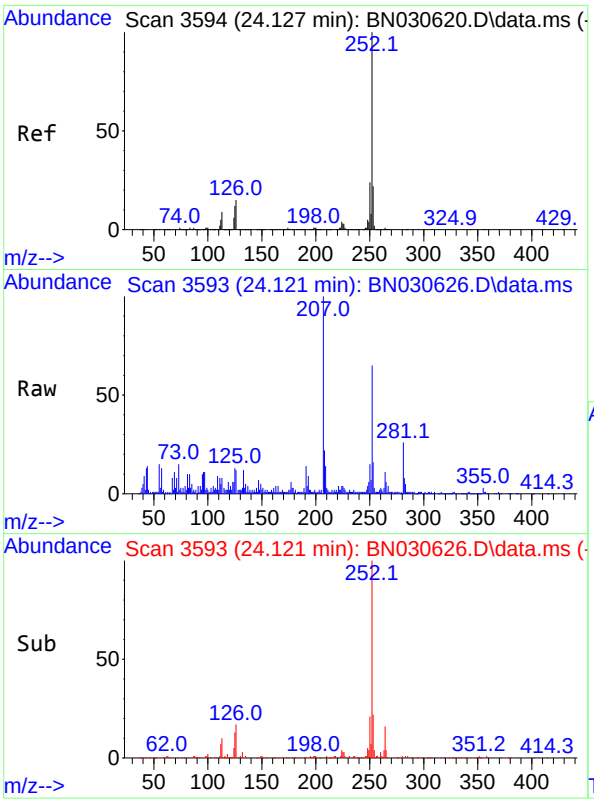




#90
Benzo(b)fluoranthene
Concen: 2.342 ng/ul
RT: 23.333 min Scan# 3459
Delta R.T. -0.012 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

Tgt Ion:252 Resp: 167340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 16.7 | 25.1 |
| 125 | 16.4 | 8.5 | 12.7# |



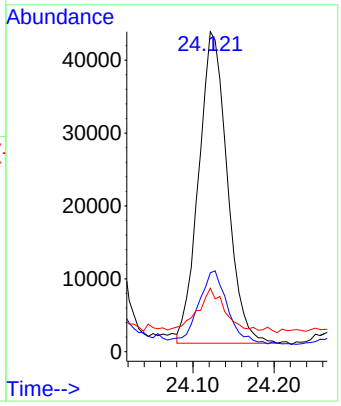


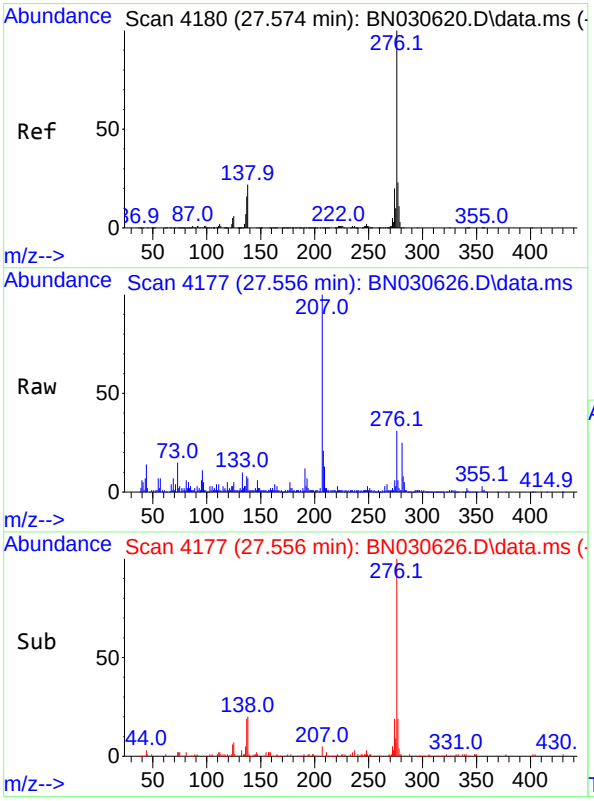

#93
Benzo(a)pyrene
Concen: 1.551 ng/ul
RT: 24.121 min Scan# 3
Delta R.T. -0.018 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

**Instrument :**
BNA_N
**ClientSampleId :**
EZZZ4

Tgt Ion:252 Resp: 104694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 16.7 | 25.1 |
| 125 | 19.9 | 9.6 | 14.4# |

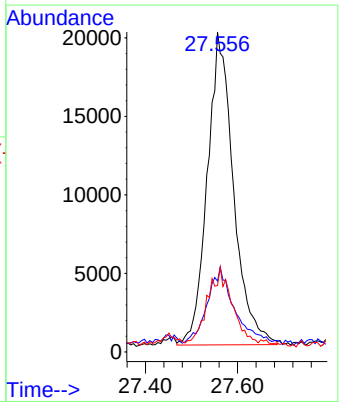


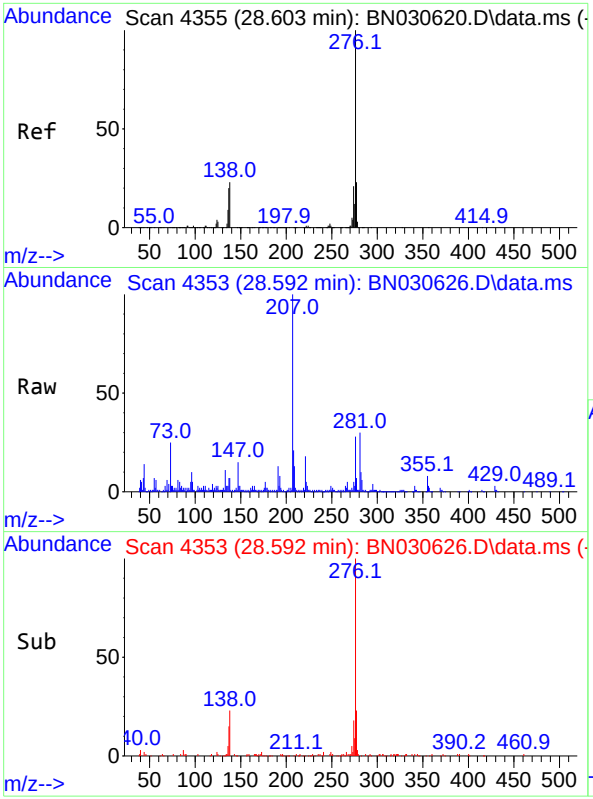




#94
Indeno(1,2,3-cd)pyrene
Concen: 1.079 ng/ul
RT: 27.556 min Scan# 4177
Delta R.T. -0.030 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

Tgt Ion:276 Resp: 78707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.1 | 17.8 | 26.8 |
| 277 | 20.7 | 18.4 | 27.6 |






#96
Benzo(g,h,i)perylene
Concen: 1.401 ng/ul
RT: 28.592 min Scan# 4
Delta R.T. -0.024 min
Lab File: BN030626.D
Acq: 03 Apr 2024 13:31

**Instrument :**
BNA_N
**ClientSampleId :**
EZZZ4

Tgt Ion:276 Resp: 80253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.7 | 19.3 | 28.9 |
| 277 | 24.2 | 20.1 | 30.1 |