Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112423\
Data File : BN028855.D
Acq On : 24 Nov 2023 12:59
Operator : MA/JU
Sample : 05268-24MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Quant Time: Nov 25 01:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.820 | 152 | 2386 | 0.400 | ng/ul | # 0.08 |
| 4) Naphthalene-d8 | 0.000 | 136 | 0 | 0.000 | ng/ul | -10.46 |
| 9) Acenaphthene-d10 | 14.303 | 164 | 9234 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.065 | 188 | 12125 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.276 | 240 | 9968 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.544 | 264 | 10670 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.000 | 96 | 0 | 0.000 | ng/ul | |
| 6) 2-Methylnaphthalene-d10 | 12.096 | 152 | 4041 | 0.000 | ng/ul | 0.02 |
| 18) Fluoranthene-d10 | 19.095 | 212 | 14580 | 0.455 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.141 | 88 | 4933 | 1.692 | ng/ul# | 86 |
| 10) Acenaphthylene | 14.025 | 152 | 13807 | 0.300 | ng/ul | 97 |
| 11) Acenaphthene | 14.363 | 153 | 11143 | 0.329 | ng/ul | 98 |
| 12) Fluorene | 15.376 | 166 | 9886 | 0.251 | ng/ul | 97 |
| 14) Pentachlorophenol | 16.723 | 266 | 2366 | 0.813 | ng/ul | 100 |
| 15) Phenanthrene | 17.107 | 178 | 14234 | 0.382 | ng/ul | 95 |
| 16) Anthracene | 17.213 | 178 | 9661 | 0.283 | ng/ul | 95 |
| 19) Fluoranthene | 19.123 | 202 | 16700 | 0.394 | ng/ul | 96 |
| 20) Pyrene | 19.490 | 202 | 18518 | 0.421 | ng/ul | 96 |
| 21) Benzo(a)anthracene | 21.261 | 228 | 10075 | 0.256 | ng/ul | 98 |
| 22) Chrysene | 21.311 | 228 | 13615 | 0.353 | ng/ul | 99 |
| 24) Benzo(b)fluoranthene | 22.857 | 252 | 12976 | 0.324 | ng/ul | 82 |
| 25) Benzo(k)fluoranthene | 22.906 | 252 | 15319 | 0.365 | ng/ul# | 84 |
| 26) Benzo(a)pyrene | 23.450 | 252 | 13256 | 0.351 | ng/ul# | 70 |
| 27) Indeno(1,2,3-cd)pyrene | 25.874 | 276 | 17788 | 0.424 | ng/ul# | 100 |
| 28) Dibenzo(a,h)anthracene | 25.908 | 278 | 13767 | 0.411 | ng/ul# | 91 |
| 29) Benzo(g,h,i)perylene | 26.582 | 276 | 15874 | 0.462 | ng/ul | 95 |

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

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Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Quant Time: Nov 25 01:01:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 21 23:49:43 2023
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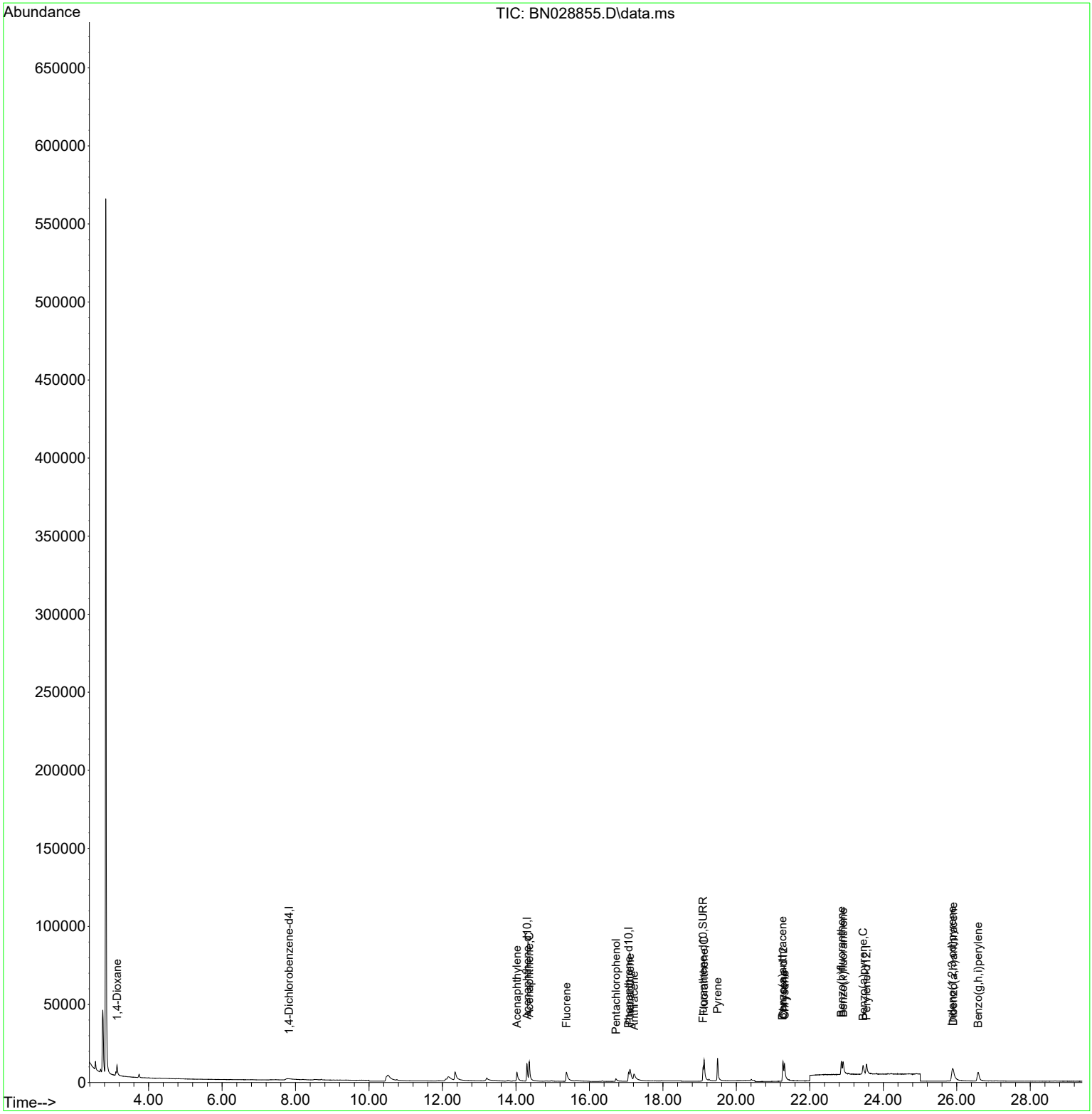
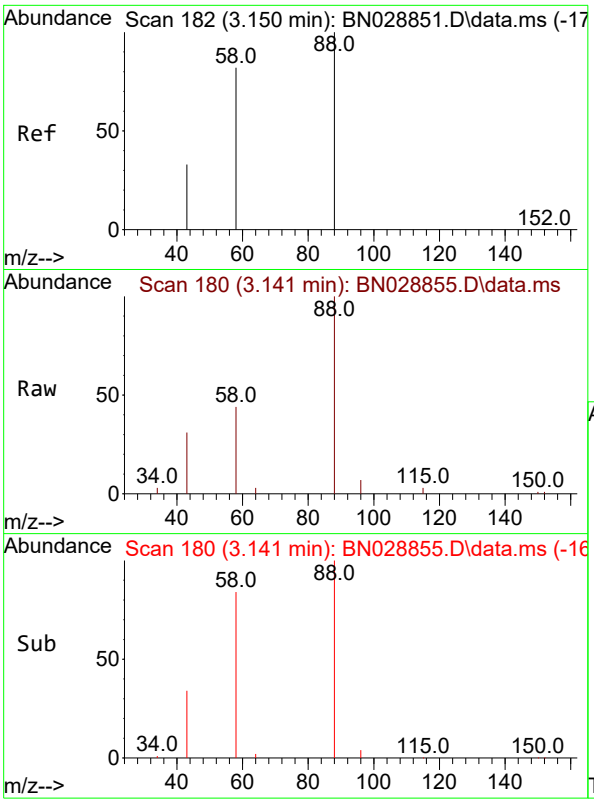


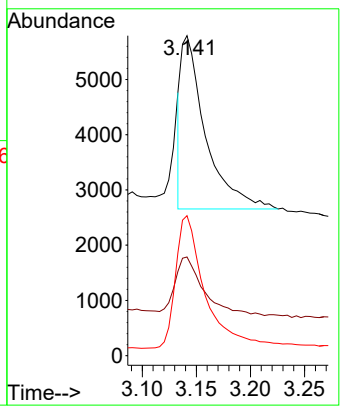


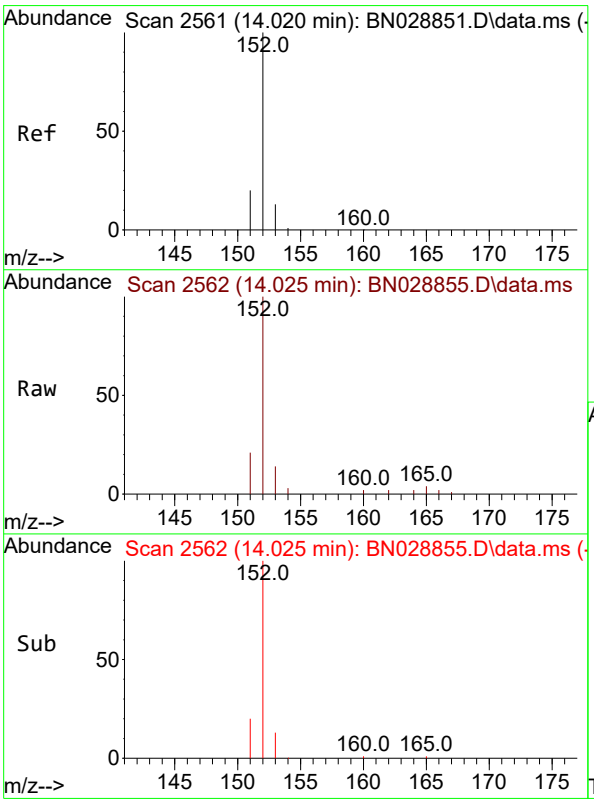

#2
1,4-Dioxane
Concen: 1.692 ng/ul
RT: 3.141 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion: 88 Resp: 4933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 30.8 | 32.9 | 49.3# |
| 58 | 43.7 | 41.8 | 62.8 |

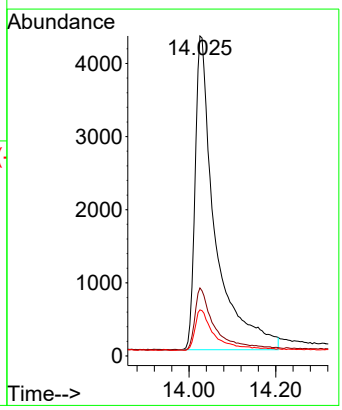


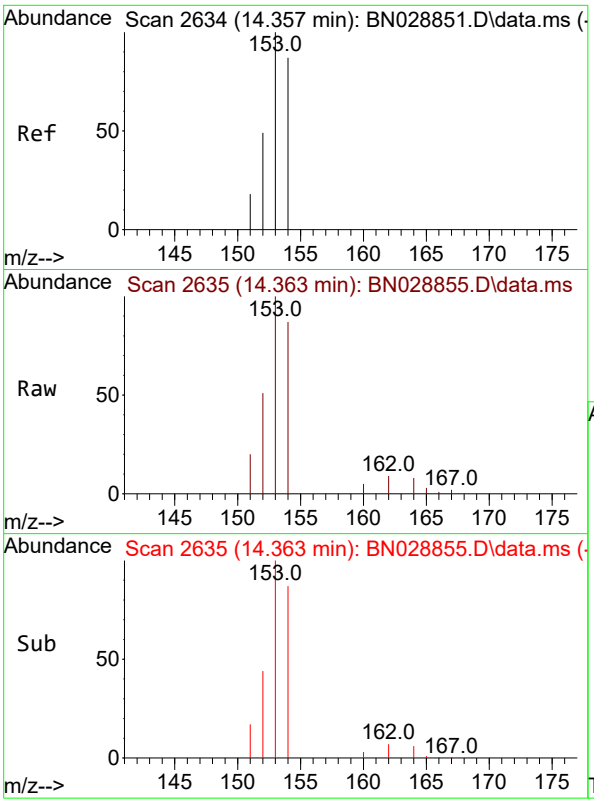




#10
Acenaphthylene
Concen: 0.300 ng/ul
RT: 14.025 min Scan# 2562
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:152 Resp: 13807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.3 | 16.1 | 24.1 |
| 153 | 14.4 | 10.6 | 15.8 |



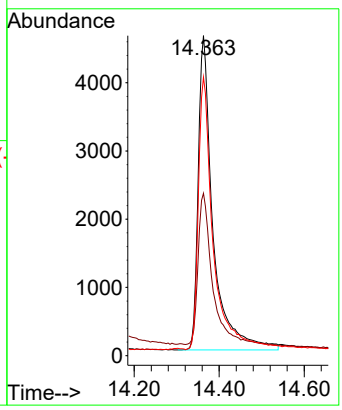


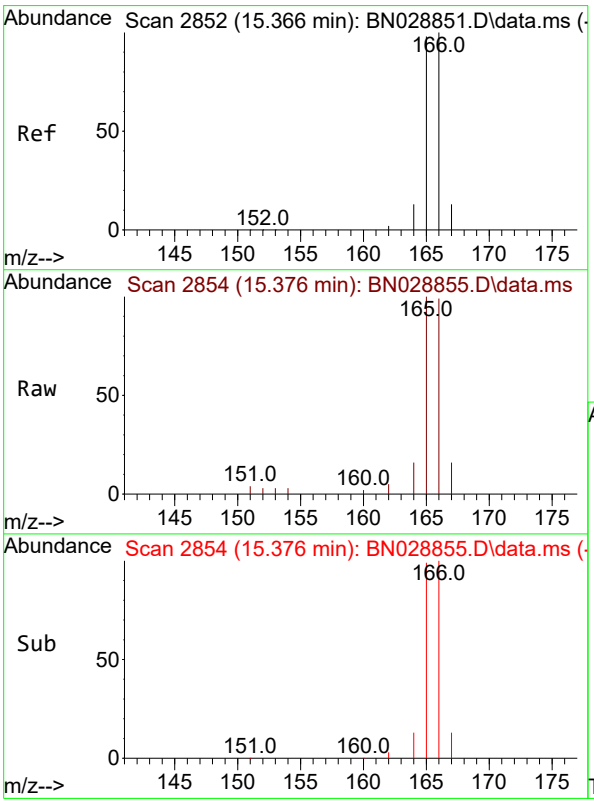

#11
Acenaphthene
Concen: 0.329 ng/ul
RT: 14.363 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:153 Resp: 11143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.7 | 39.6 | 59.4 |
| 154 | 87.1 | 71.0 | 106.6 |

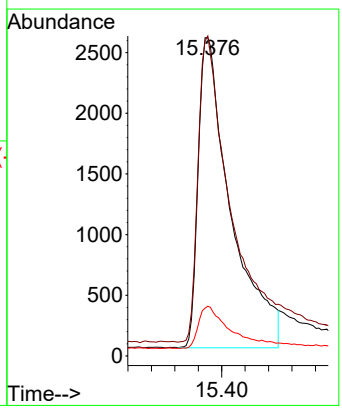


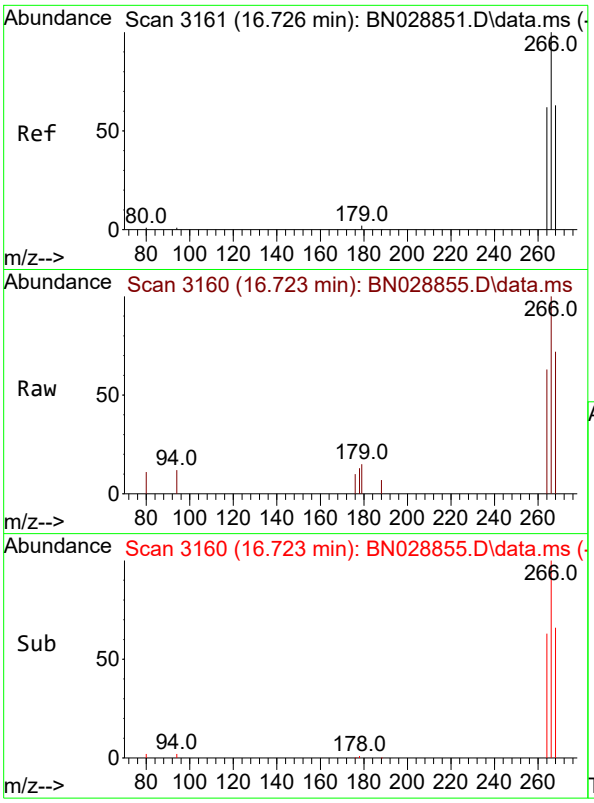




#12
Fluorene
Concen: 0.251 ng/ul
RT: 15.376 min Scan# 2854
Delta R.T. 0.009 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:166 Resp: 9886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.5 | 78.6 | 118.0 |
| 167 | 15.6 | 11.0 | 16.6 |



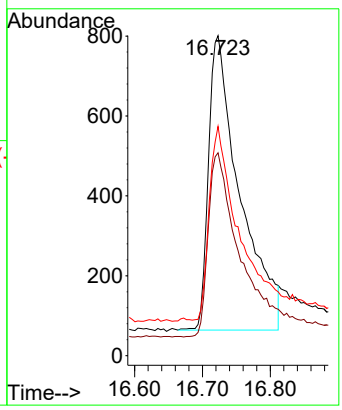


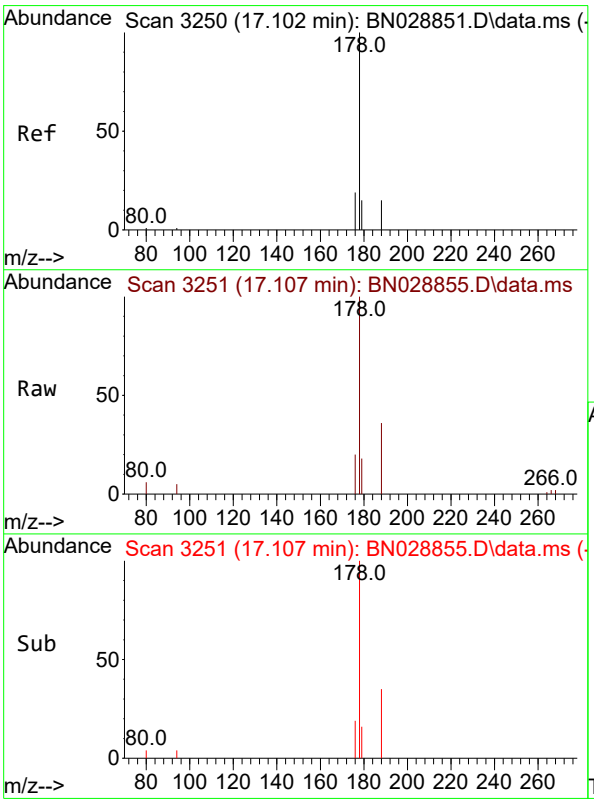

#14
Pentachlorophenol
Concen: 0.813 ng/ul
RT: 16.723 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:266 Resp: 2366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.5 | 50.1 | 75.1 |
| 268 | 62.8 | 50.6 | 75.8 |

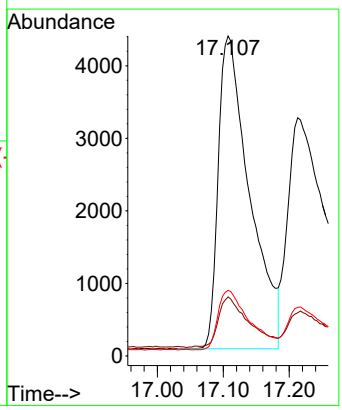


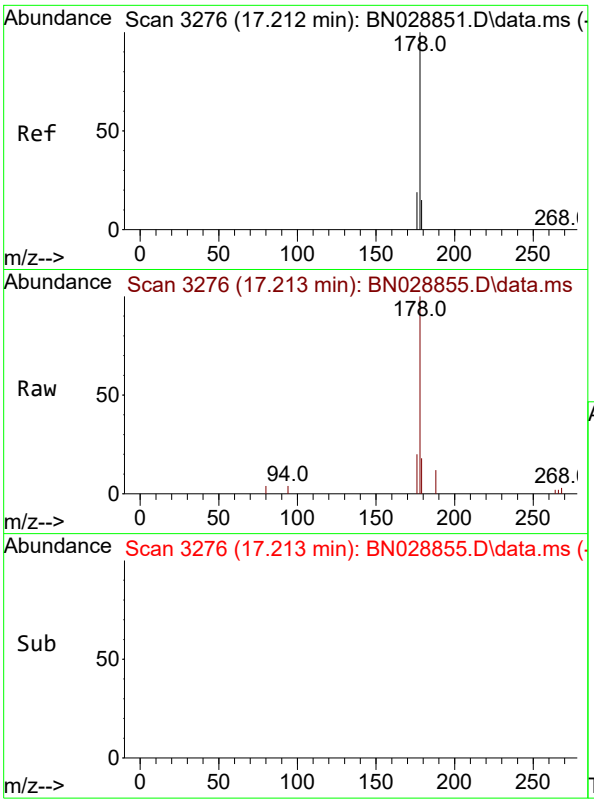




#15
Phenanthrene
Concen: 0.382 ng/ul
RT: 17.107 min Scan# 3251
Delta R.T. 0.004 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:178 Resp: 14234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.5 | 12.4 | 18.6 |
| 176 | 20.5 | 15.4 | 23.2 |



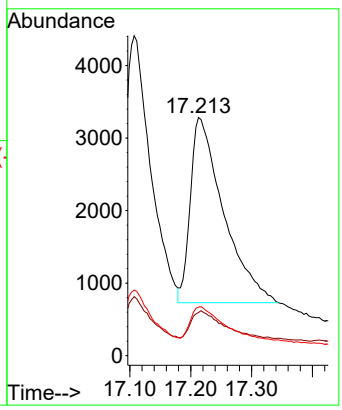


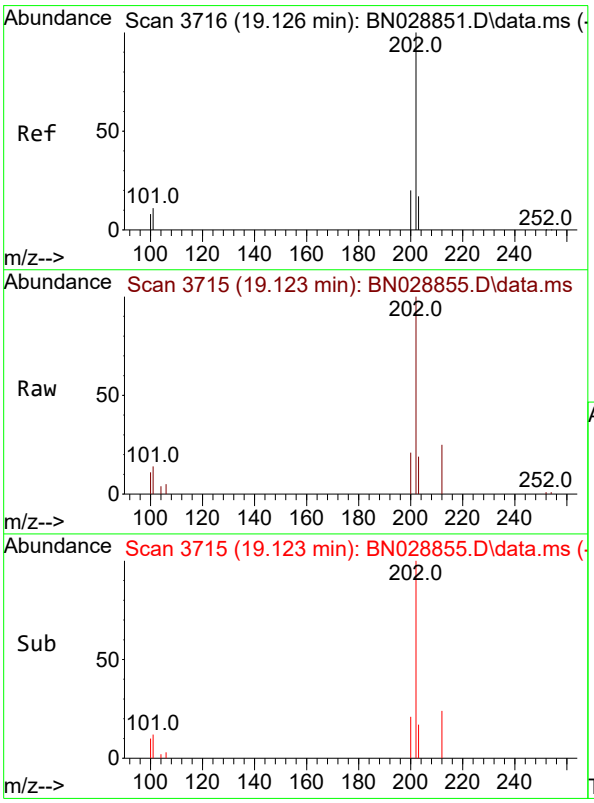

#16
Anthracene
Concen: 0.283 ng/ul
RT: 17.213 min Scan# 3
Delta R.T. 0.008 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:178 Resp: 9661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.1 | 12.6 | 18.8 |
| 176 | 20.5 | 14.9 | 22.3 |

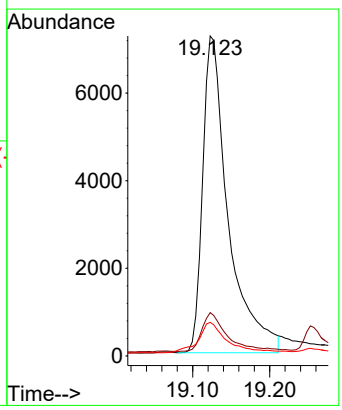


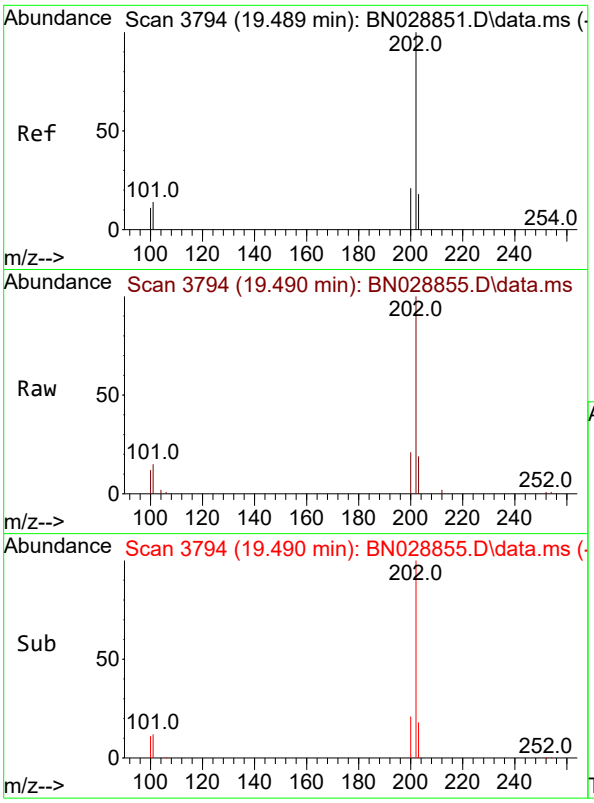




#19
Fluoranthene
Concen: 0.394 ng/ul
RT: 19.123 min Scan# 3715
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:202 Resp: 16700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 9.5 | 14.3 |
| 100 | 10.5 | 7.2 | 10.8 |



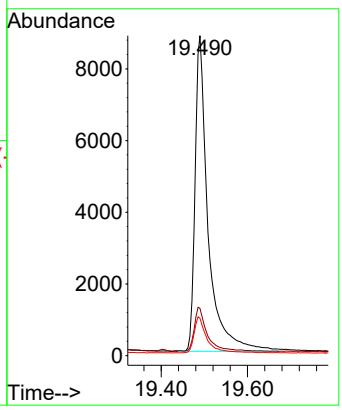


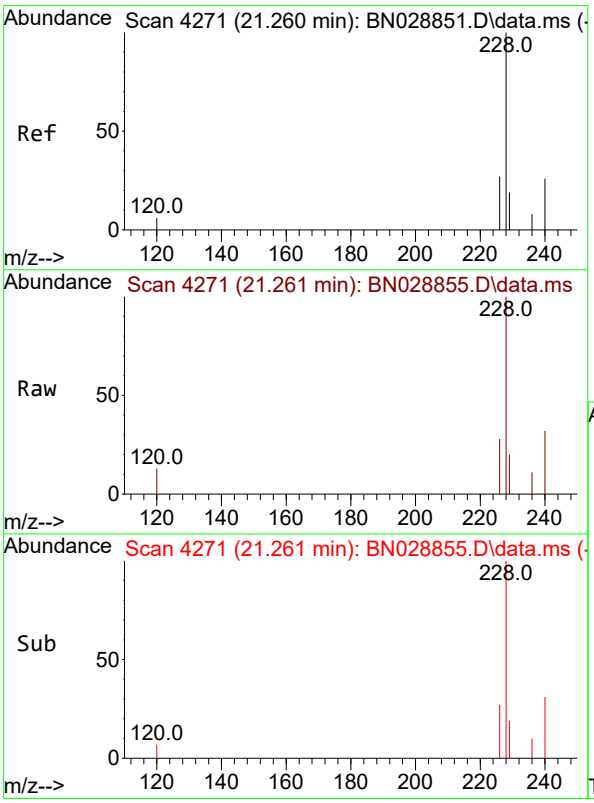

#20
Pyrene
Concen: 0.421 ng/ul
RT: 19.490 min Scan# 3
Delta R.T. 0.005 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:202 Resp: 18518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 10.3 | 15.5 |
| 100 | 11.7 | 8.2 | 12.2 |

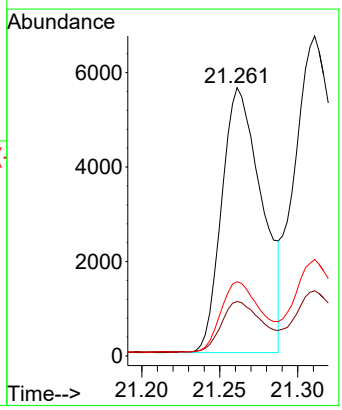


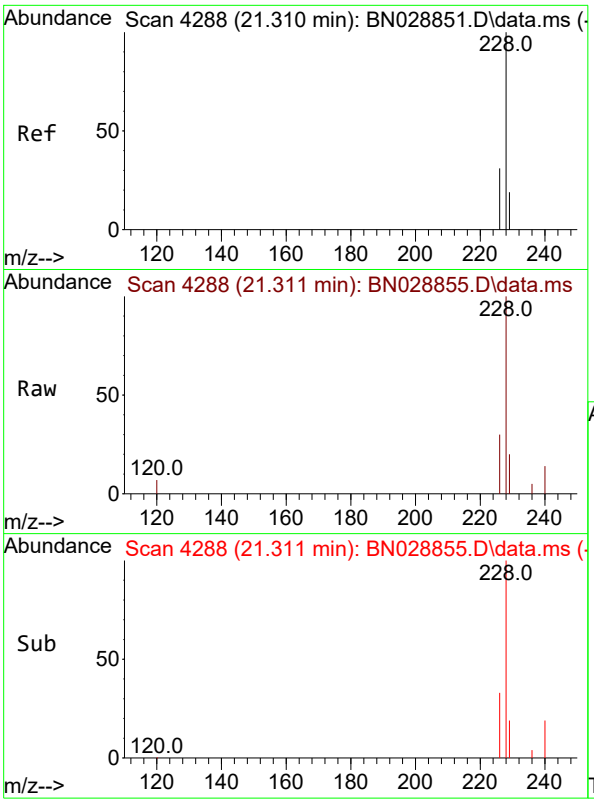




#21
Benzo(a)anthracene
Concen: 0.256 ng/ul
RT: 21.261 min Scan# 4271
Delta R.T. 0.006 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:228 Resp: 10075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.3 | 15.7 | 23.5 |
| 226 | 27.7 | 21.4 | 32.0 |



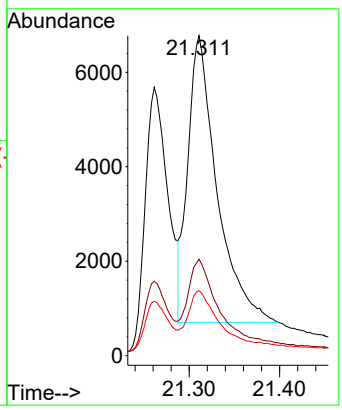


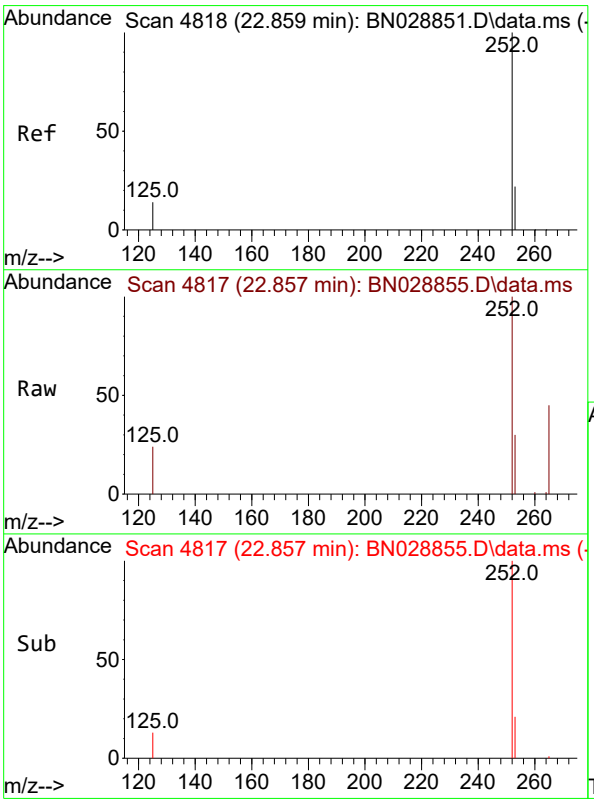

#22
Chrysene
Concen: 0.353 ng/ul
RT: 21.311 min Scan# 4
Delta R.T. 0.006 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:228 Resp: 13615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.8 | 35.8 |
| 229 | 20.3 | 15.4 | 23.2 |

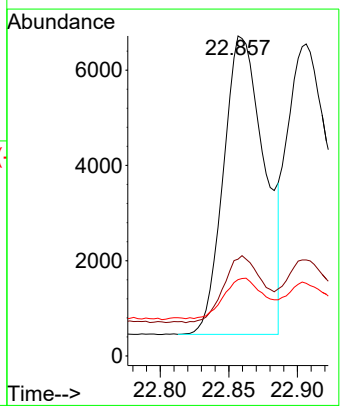


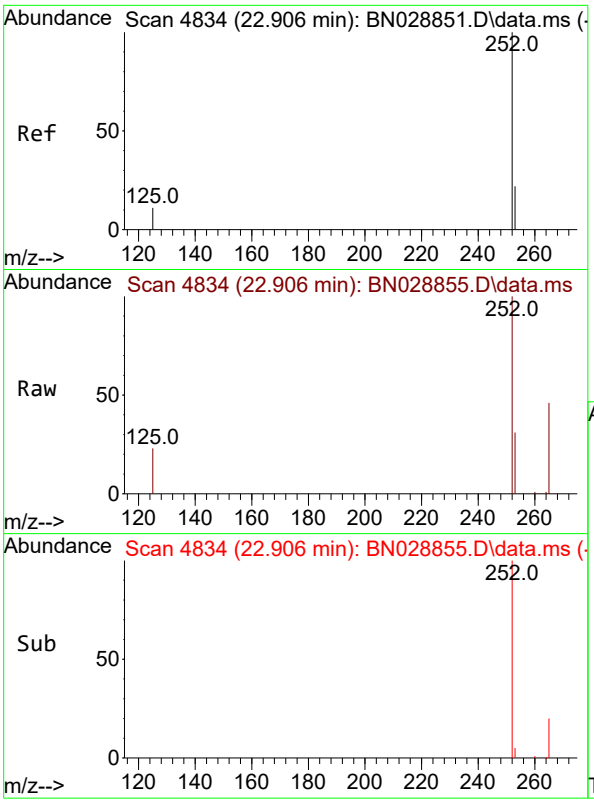




#24
Benzo(b)fluoranthene
Concen: 0.324 ng/ul
RT: 22.857 min Scan# 4817
Delta R.T. 0.003 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:252 Resp: 12976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.3 | 0.0 | 46.6 |
| 125 | 23.8 | 0.0 | 27.6 |



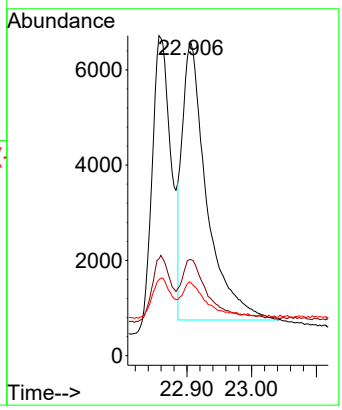


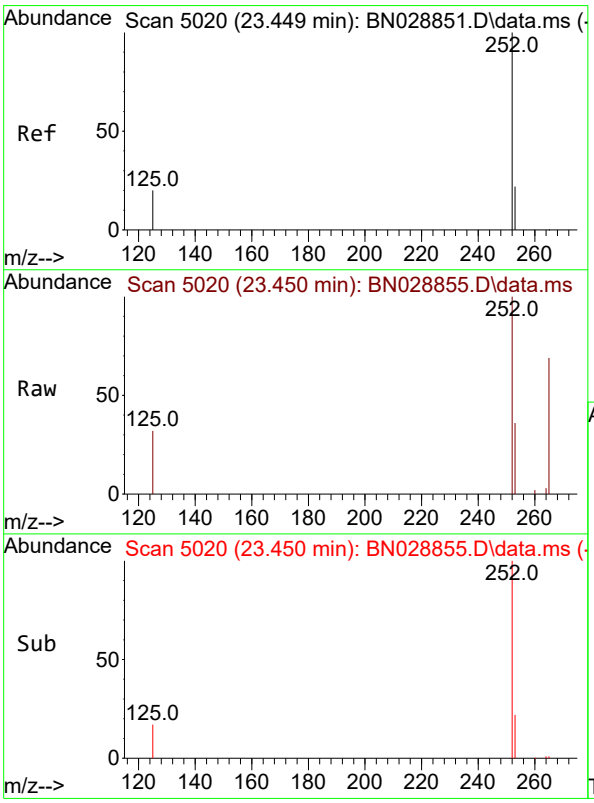

#25
Benzo(k)fluoranthene
Concen: 0.365 ng/ul
RT: 22.906 min Scan# 4
Delta R.T. 0.003 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:252 Resp: 15319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.8 | 18.6 | 28.0# |
| 125 | 23.3 | 12.7 | 19.1# |

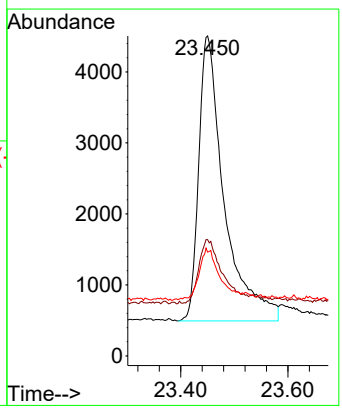


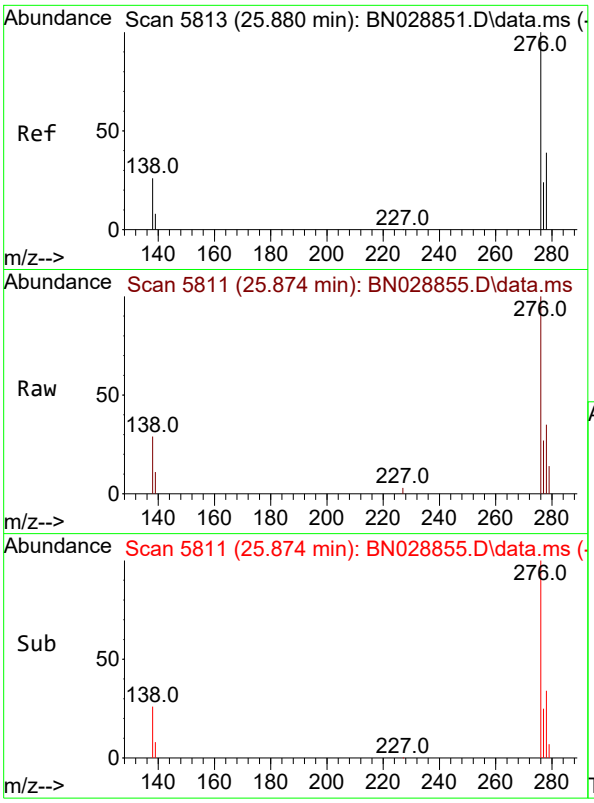




#26
Benzo(a)pyrene
Concen: 0.351 ng/ul
RT: 23.450 min Scan# 5020
Delta R.T. 0.006 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:252 Resp: 13256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 36.3 | 19.0 | 28.6# |
| 125 | 32.4 | 13.2 | 19.8# |



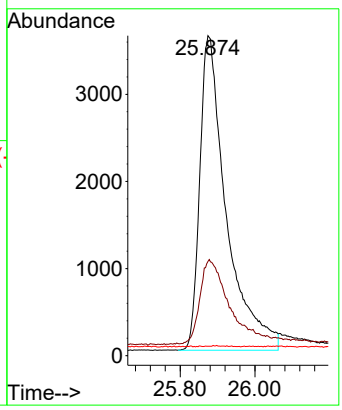


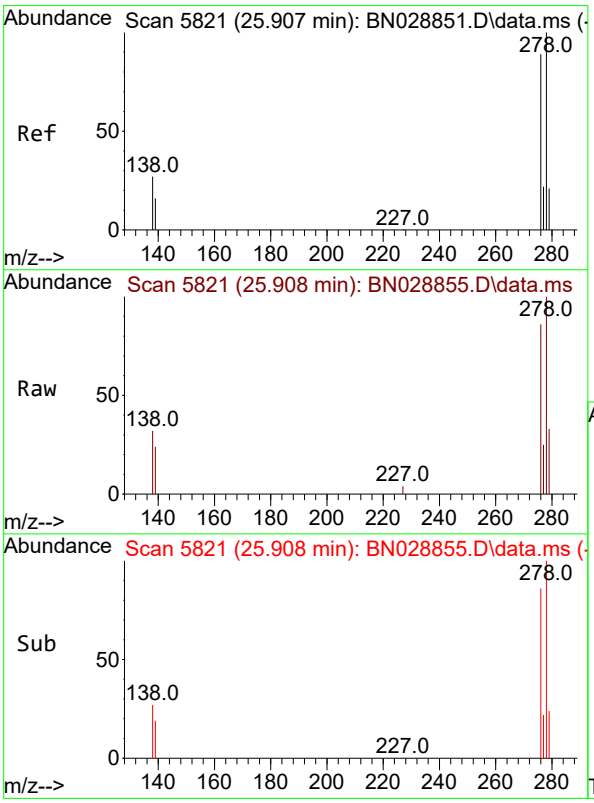

#27
Indeno(1,2,3-cd)pyrene
Concen: 0.424 ng/ul
RT: 25.874 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:276 Resp: 17788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.9 | 23.8 | 35.6 |
| 227 | 0.0 | 0.1 | 0.1# |

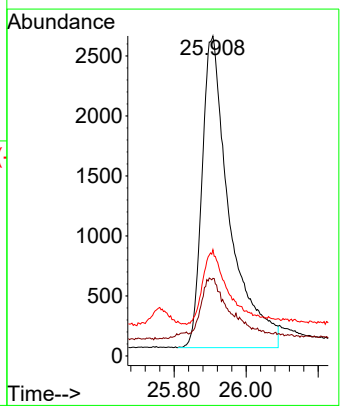


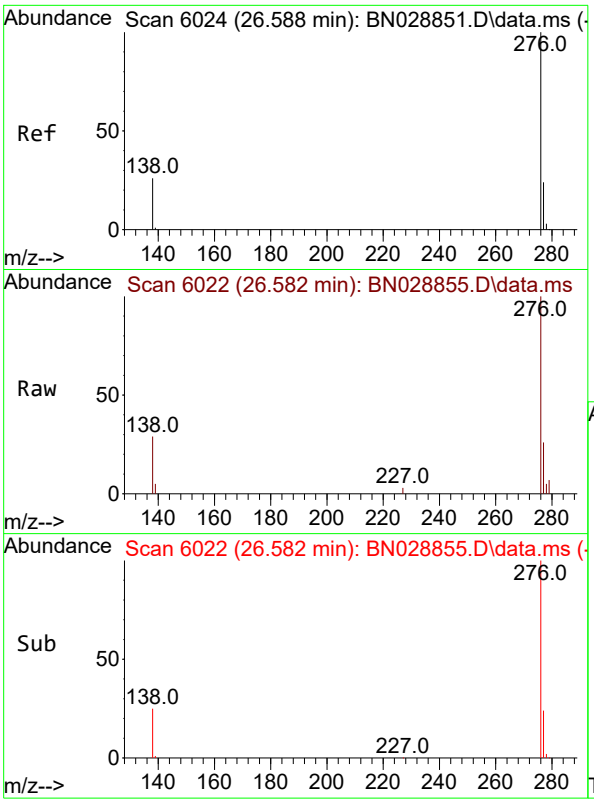




#28
Dibenzo(a,h)anthracene
Concen: 0.411 ng/ul
RT: 25.908 min Scan# 5821
Delta R.T. 0.010 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

Tgt Ion:278 Resp: 13767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 24.3 | 18.2 | 27.4 |
| 279 | 33.2 | 20.7 | 31.1# |






#29
Benzo(g,h,i)perylene
Concen: 0.462 ng/ul
RT: 26.582 min Scan# 6
Delta R.T. 0.003 min
Lab File: BN028855.D
Acq: 24 Nov 2023 12:59

**Instrument :**
BNA_N
**ClientSampleId :**
DCKB7MSD

Tgt Ion:276 Resp: 15874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.7 | 20.5 | 30.7 |
| 277 | 26.1 | 19.4 | 29.0 |