Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072419\
Data File : BN006977.D
Acq On : 24 Jul 2019 14:14
Operator : HP/JU
Sample : K3764-19MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** A52G4MSD

**Manual Integrations APPROVED**
mohammad
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Quant Time: Jul 24 16:13:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN062719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 06:39:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 1656 | 0.40 | ng/ul | 0.03 |
| 2) Naphthalene-d8 | 10.41 | 136 | 6154 | 0.40 | ng/ul | 0.04 |
| 6) Acenaphthene-d10 | 14.24 | 164 | 3507 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.02 | 188 | 6970 | 0.40 | ng/ul | 0.01 |
| 16) Chrysene-d12 | 21.24 | 240 | 6005 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.47 | 264 | 6450 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.04 | 152 | 2032 | 0.21 | ng/ul | 0.07 |
| 14) Fluoranthene-d10 | 19.05 | 212 | 5882 | 0.29 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 8) Acenaphthene | 14.31 | 153 | 3505 | 0.251 | ng/ul | 99 |
| 12) Phenanthrene | 17.07 | 178 | 6158 | 0.275 | ng/ul | 96 |
| 13) Anthracene | 17.19 | 178 | 746 | 0.039 | ng/ul# | 64 |
| 15) Fluoranthene | 19.09 | 202 | 18857 | 0.680 | ng/ul | 99 |
| 17) Pyrene | 19.45 | 202 | 24492 | 0.893 | ng/ul | 98 |
| 18) Benzo(a)anthracene | 21.23 | 228 | 6585 | 0.267 | ng/ul | 97 |
| 19) Chrysene | 21.28 | 228 | 7922 | 0.288 | ng/ul | 96 |
| 21) Benzo(b)fluoranthene | 22.81 | 252 | 10872m | 0.411 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.85 | 252 | 4888m | 0.177 | ng/ul | |
| 23) Benzo(a)pyrene | 23.38 | 252 | 6263 | 0.242 | ng/ul# | 92 |
| 24) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 5293 | 0.202 | ng/ul# | 89 |
| 25) Dibenzo(a,h)anthracene | 25.72 | 278 | 1090 | 0.052 | ng/ul# | 55 |
| 26) Benzo(g,h,i)perylene | 26.39 | 276 | 5612 | 0.256 | ng/ul | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072419\
Data File : BN006977.D
Acq On : 24 Jul 2019 14:14
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Sample : K3764-19MSD
Misc :
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**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

**Manual Integrations APPROVED**
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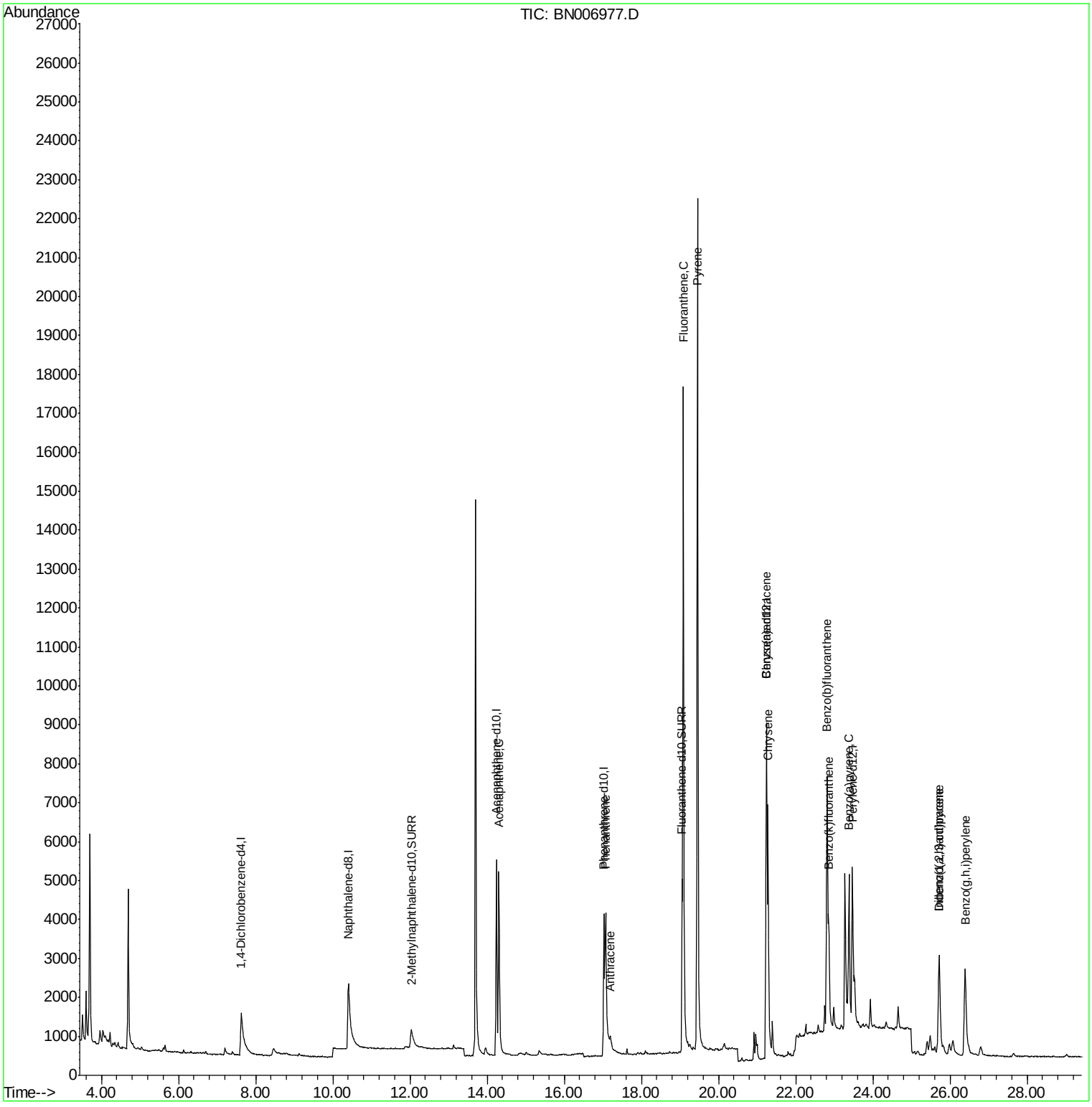
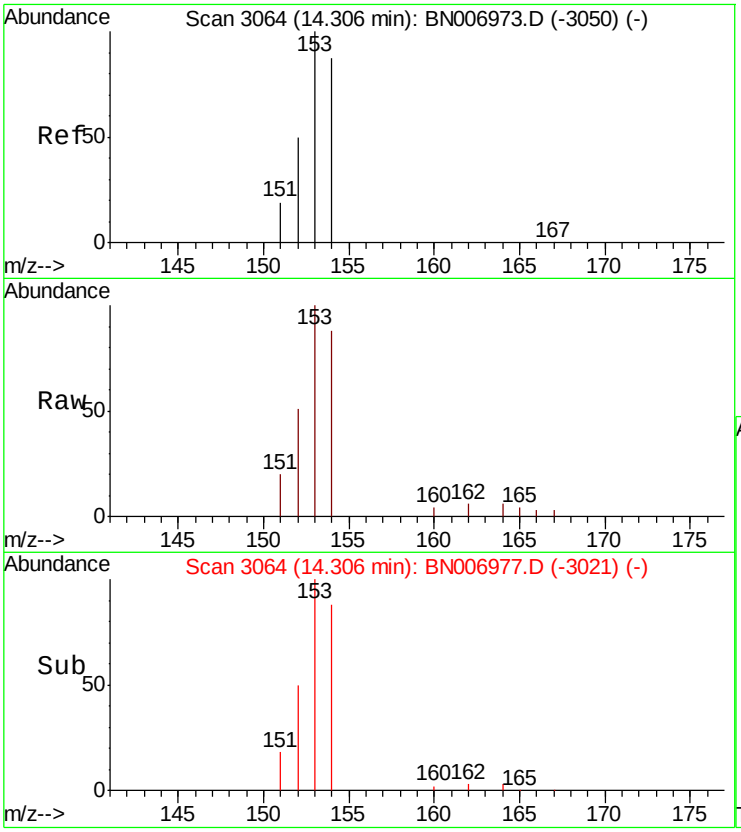
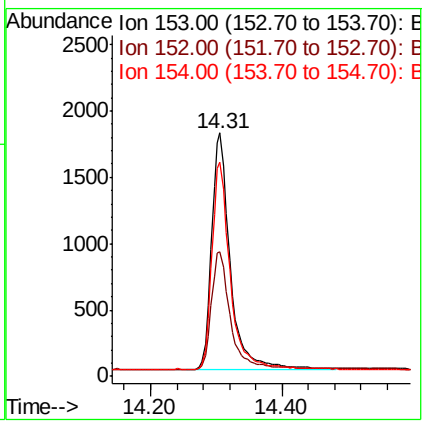





#8
Acenaphthene
Concen: 0.251 ng/ul
RT: 14.31 min Scan# 3064
Delta R.T. -0.00 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:153 Resp: 3505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.3 | 39.3 | 58.9 |
| 154 | 88.0 | 70.6 | 105.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

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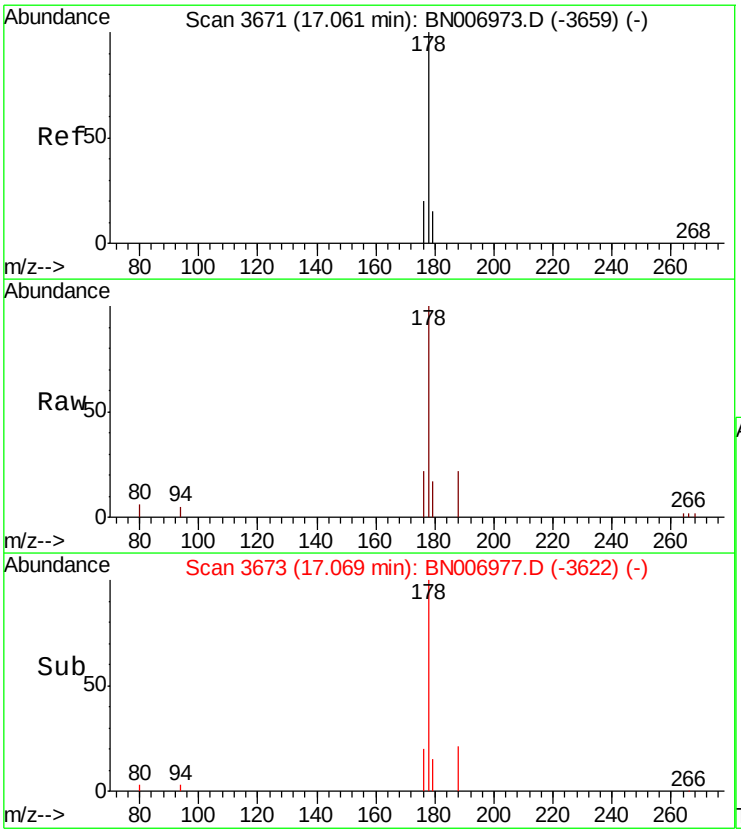
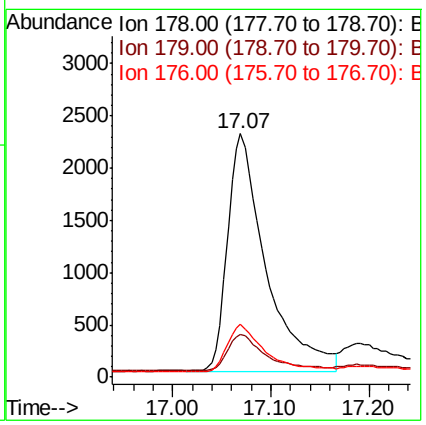
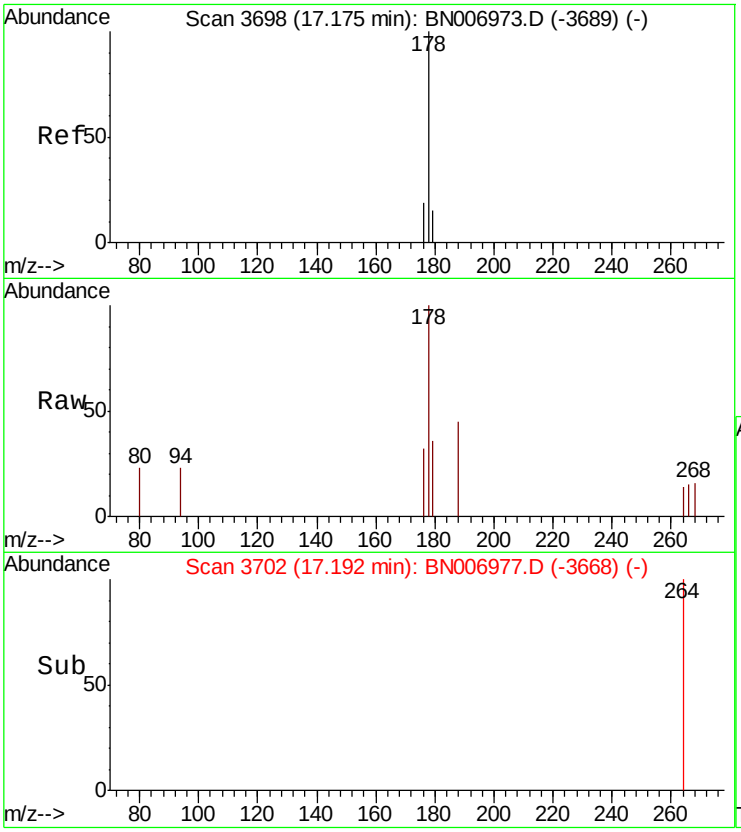



#12
Phenanthrene
Concen: 0.275 ng/ul
RT: 17.07 min Scan# 3673
Delta R.T. 0.02 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:178 Resp: 6158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.4 | 12.6 | 19.0 |
| 176 | 21.8 | 15.8 | 23.8 |






#13
Anthracene
Concen: 0.039 ng/ul
RT: 17.19 min Scan# 3702
Delta R.T. 0.04 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:178 Resp: 746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 36.1 | 12.7 | 19.1# |
| 176 | 31.8 | 15.8 | 23.6# |

**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

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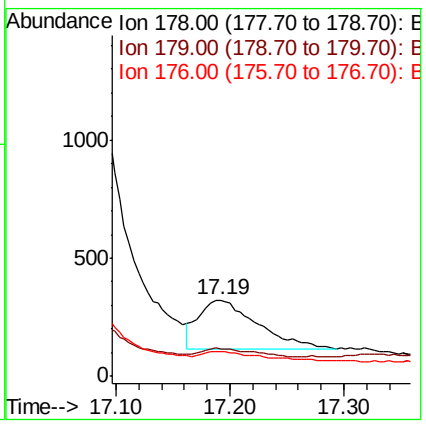
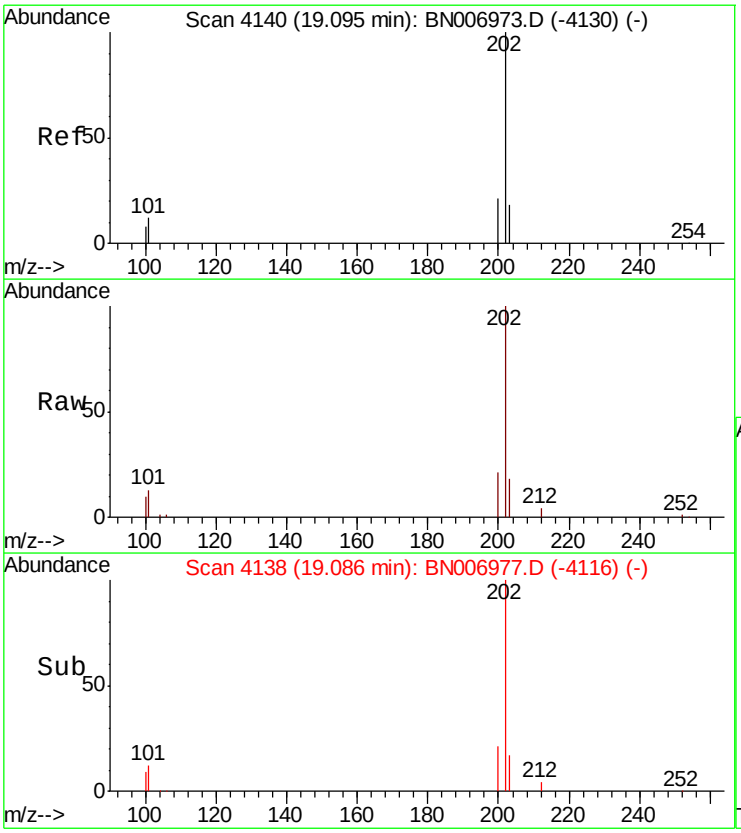
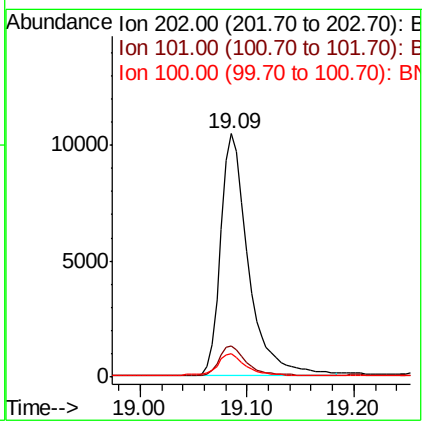


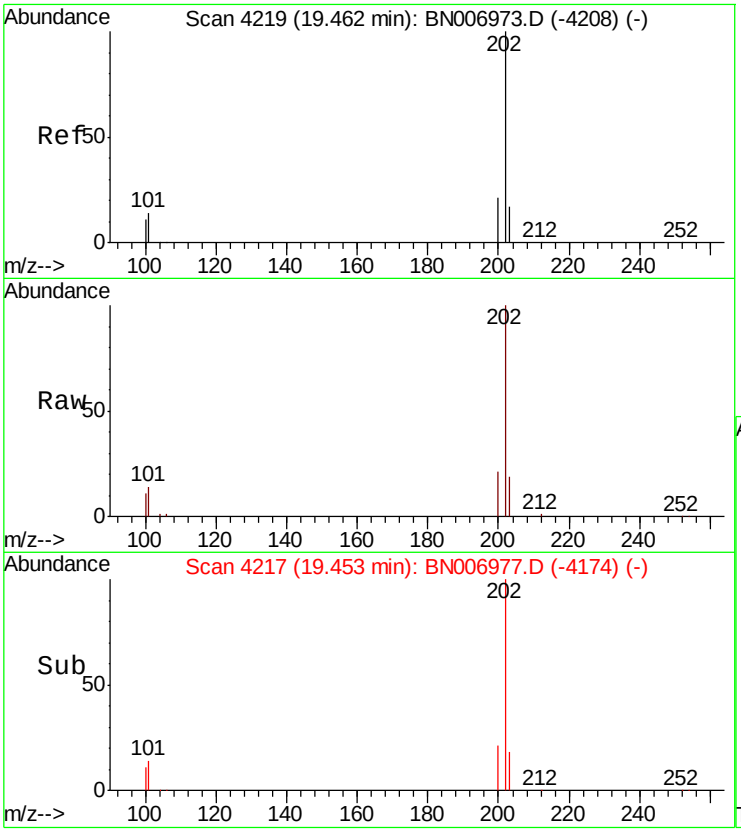




#15
Fluoranthene
Concen: 0.680 ng/ul
RT: 19.09 min Scan# 4138
Delta R.T. -0.00 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:202 Resp: 18857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 33.2 |
| 100 | 9.7 | 0.0 | 29.9 |






#17
Pyrene
Concen: 0.893 ng/ul
RT: 19.45 min Scan# 4217
Delta R.T. -0.00 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:202 Resp: 24492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 12.2 | 18.2 |
| 100 | 11.4 | 9.8 | 14.8 |

**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

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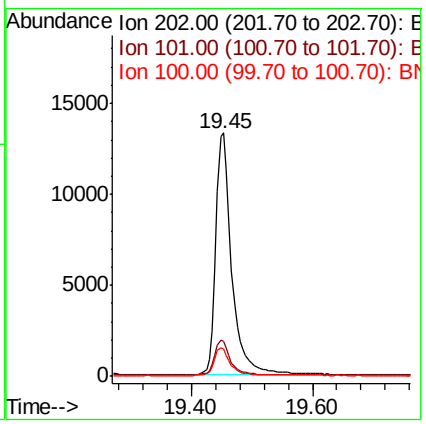
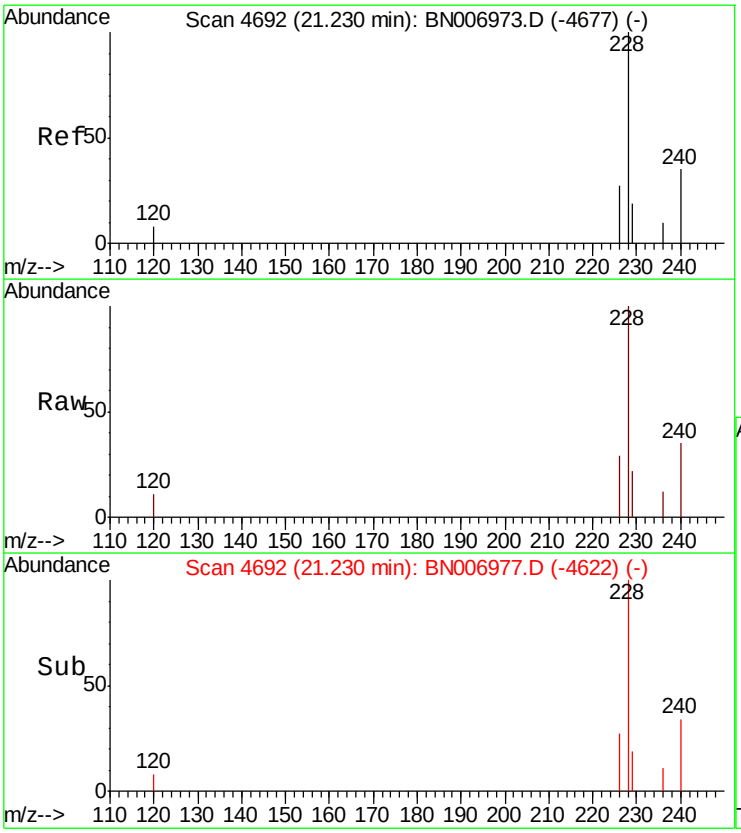
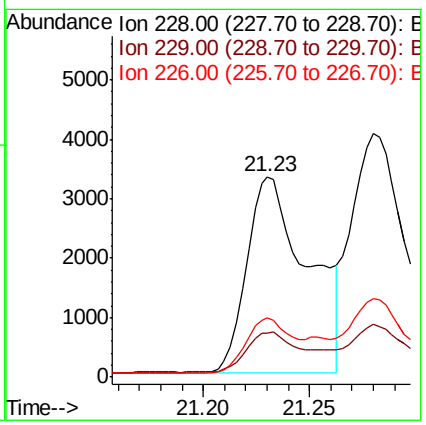


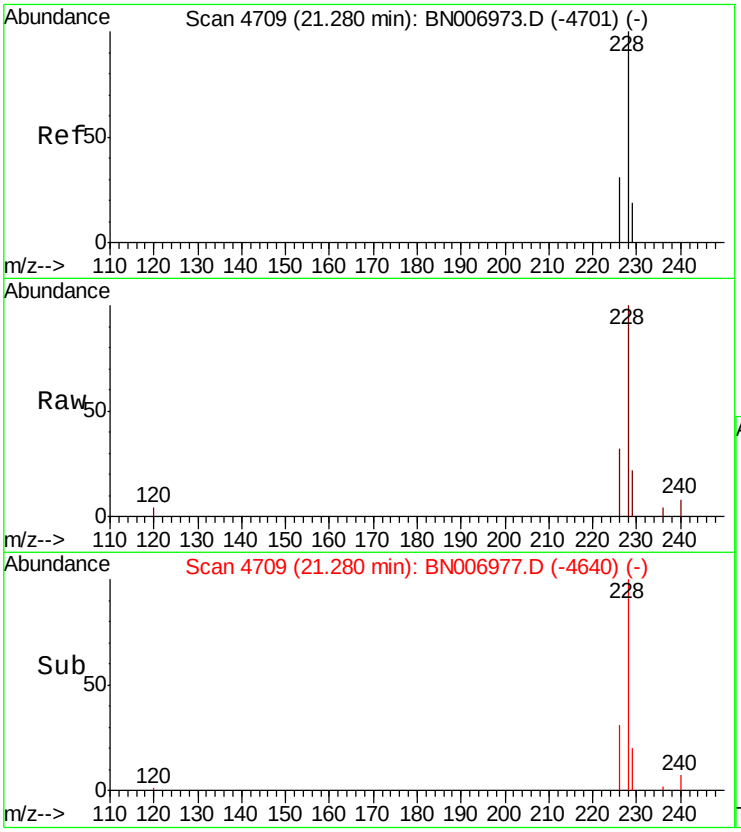




#18
Benzo(a)anthracene
Concen: 0.267 ng/ul
RT: 21.23 min Scan# 4692
Delta R.T. 0.01 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:228 Resp: 6585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.1 | 15.9 | 23.9 |
| 226 | 29.4 | 22.6 | 34.0 |

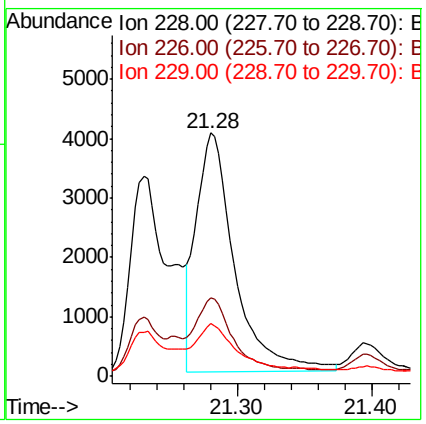





#19
Chrysene
Concen: 0.288 ng/ul
RT: 21.28 min Scan# 4709
Delta R.T. 0.00 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:228 Resp: 7922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 24.2 | 36.4 |
| 229 | 21.6 | 15.5 | 23.3 |




**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

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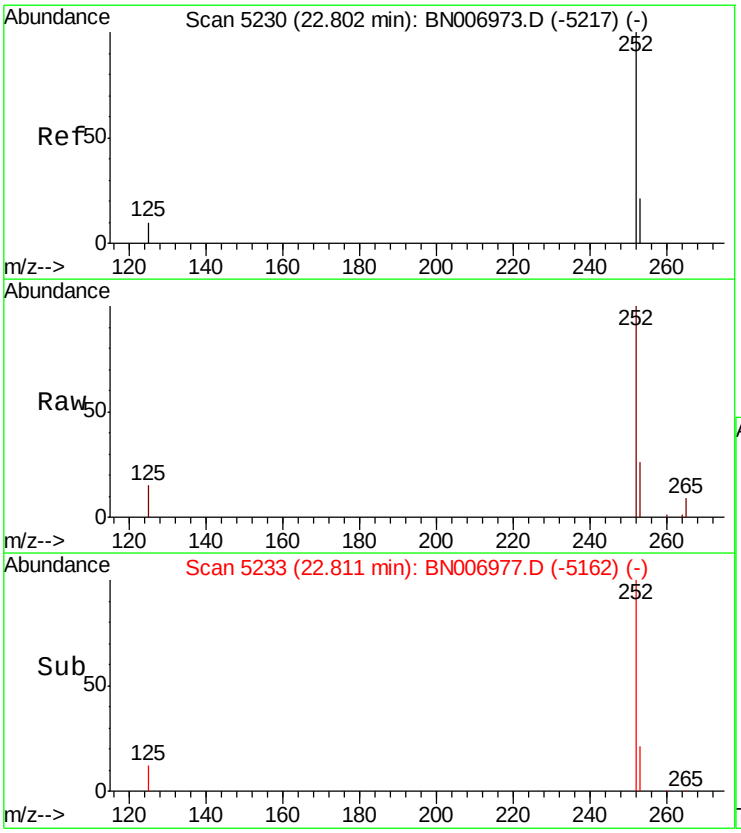
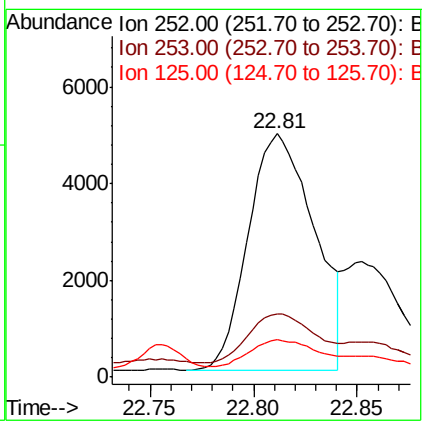
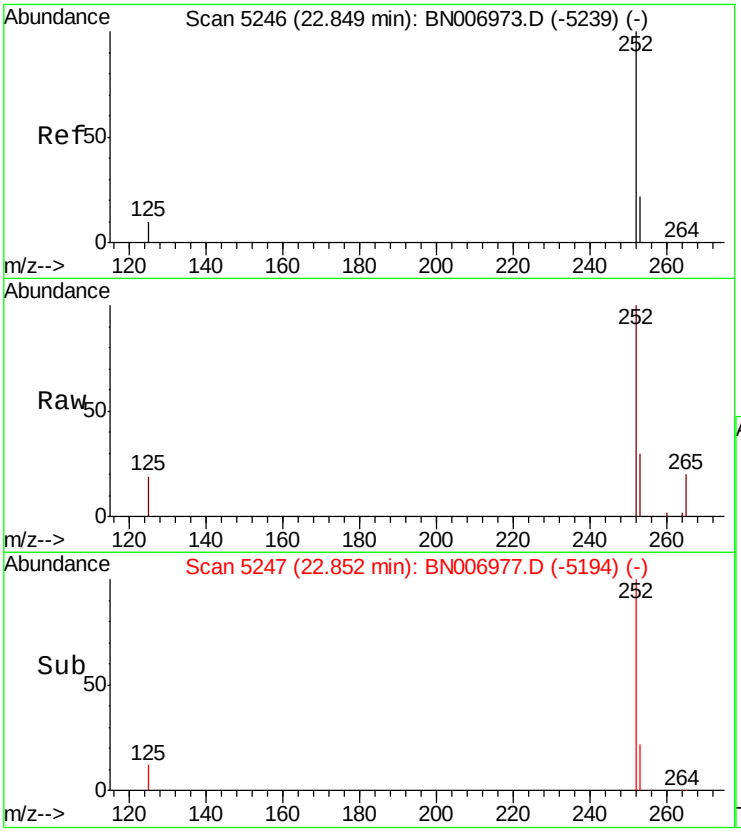



#21
Benzo(b)fluoranthene
Concen: 0.411 ng/ul m
RT: 22.81 min Scan# 5233
Delta R.T. 0.01 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:252 Resp: 10872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 0.0 | 47.8 |
| 125 | 15.3 | 0.0 | 29.2 |






#22
Benzo(k)fluoranthene
Concen: 0.177 ng/ul m
RT: 22.85 min Scan# 5247
Delta R.T. 0.01 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:252 Resp: 4888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.5 | 19.2 | 28.8# |
| 125 | 18.5 | 11.0 | 16.6# |

**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

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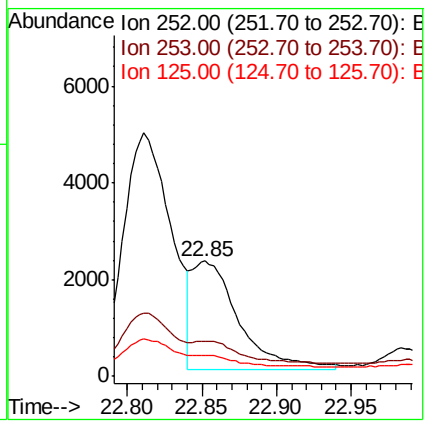
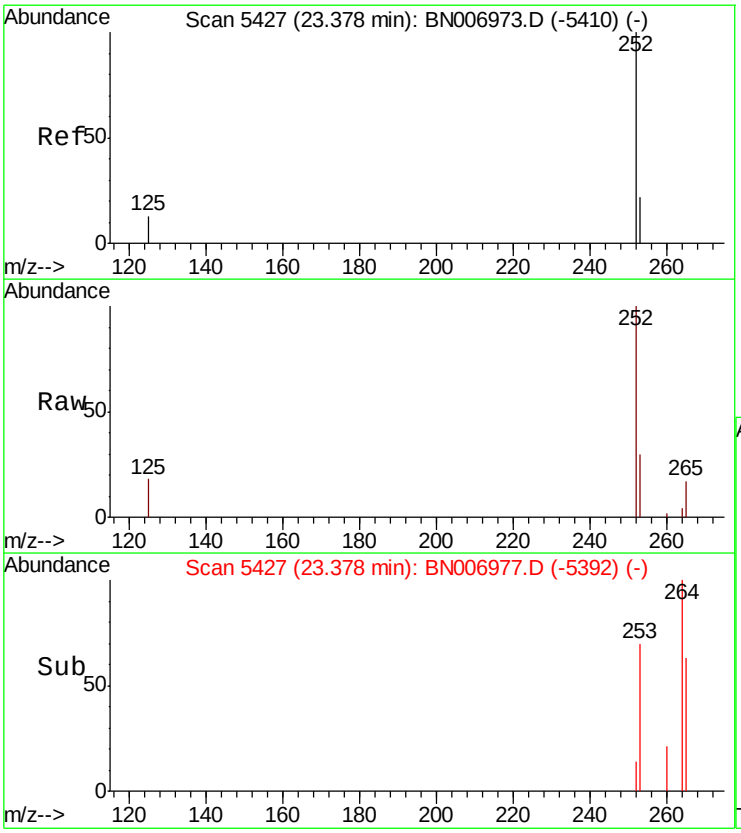
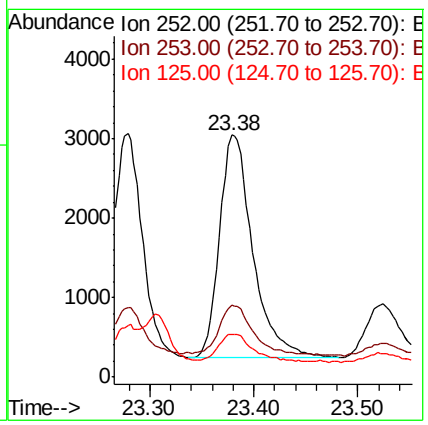


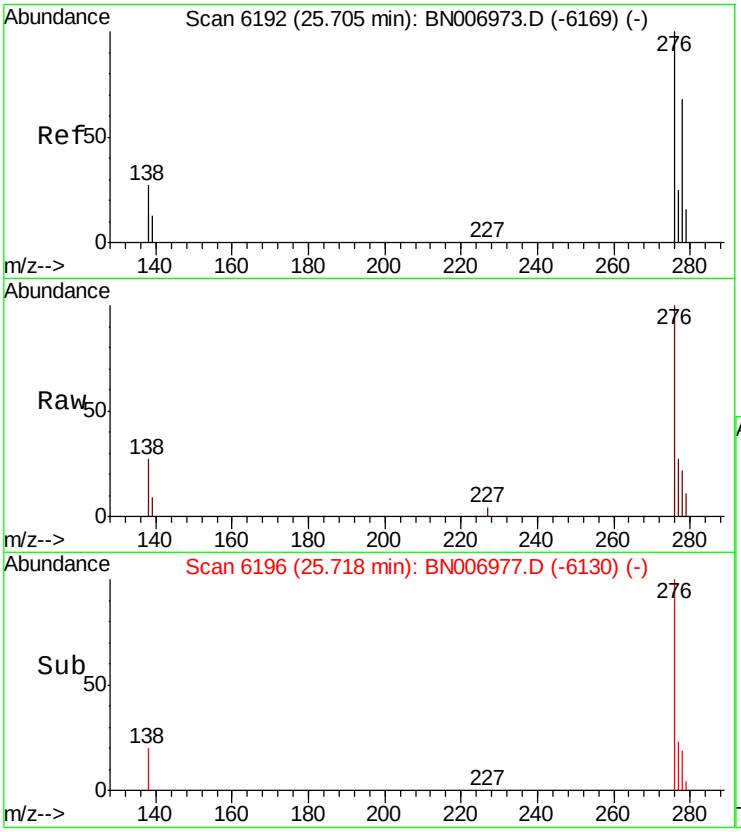




#23
Benzo(a)pyrene
Concen: 0.242 ng/ul
RT: 23.38 min Scan# 5427
Delta R.T. 0.00 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:252 Resp: 6263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.6 | 19.4 | 29.2# |
| 125 | 17.7 | 12.6 | 19.0 |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.202 ng/ul
RT: 25.72 min Scan# 6196
Delta R.T. 0.02 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:276 Resp: 5293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.1 | 24.3 | 36.5# |
| 227 | 0.1 | 0.2 | 0.4# |

**Instrument :**
BNA_N
**ClientSampleId :**
A52G4MSD

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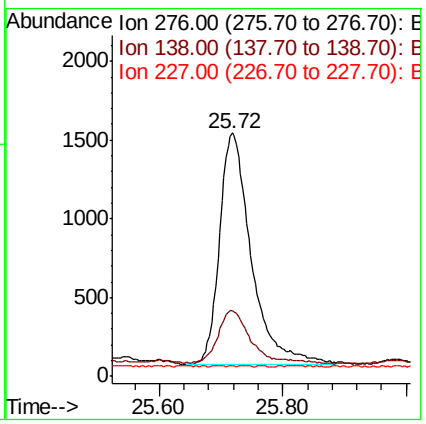
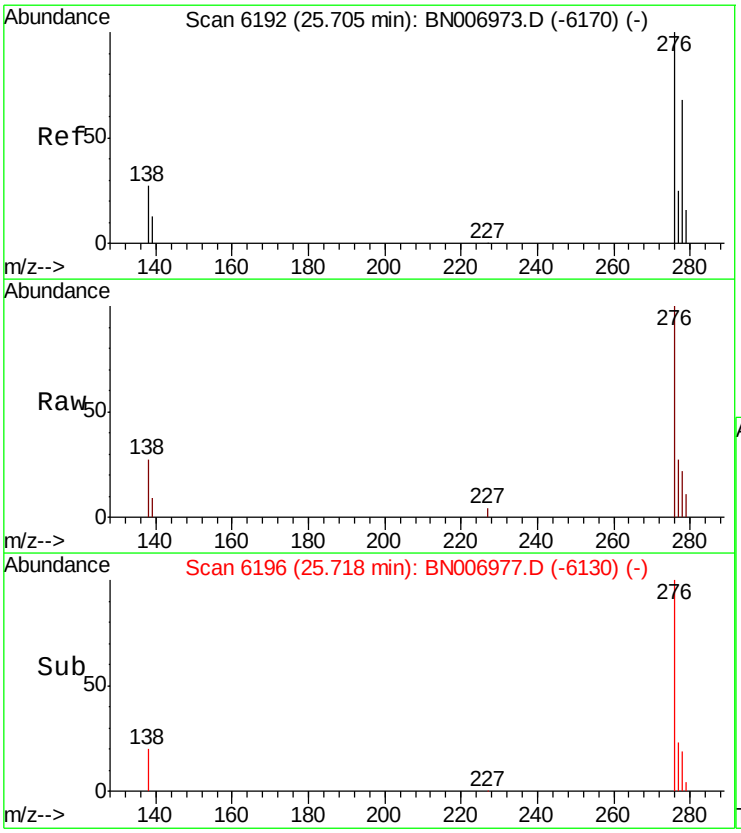
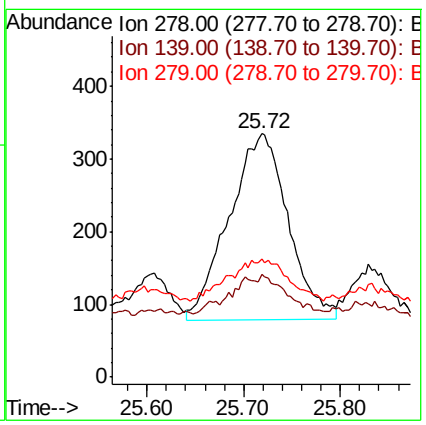


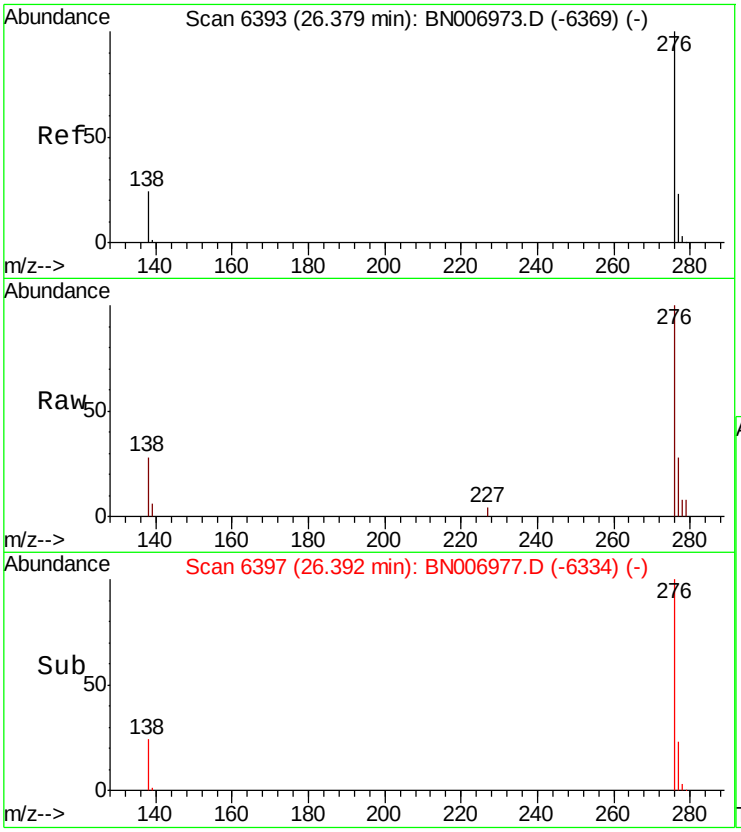




#25
Dibenzo(a,h)anthracene
Concen: 0.052 ng/ul
RT: 25.72 min Scan# 6196
Delta R.T. 0.02 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:278 Resp: 1090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 42.4 | 18.1 | 27.1# |
| 279 | 48.7 | 19.8 | 29.6# |

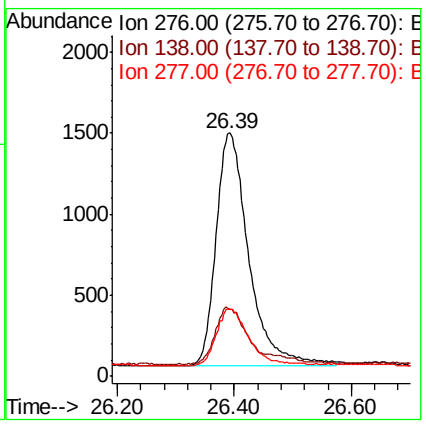





#26
Benzo(g,h,i)perylene
Concen: 0.256 ng/ul
RT: 26.39 min Scan# 6397
Delta R.T. 0.01 min
Lab File: BN006977.D
Acq: 24 Jul 2019 14:14

Tgt Ion:276 Resp: 5612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.7 | 22.2 | 33.2 |
| 277 | 27.6 | 19.5 | 29.3 |




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