Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
Data File : BN008412.D
Acq On : 25 Oct 2019 05:44
Operator : JU
Sample : K5236-06DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BEPL6DL

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Quant Time: Oct 25 12:01:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 25 00:45:13 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 1582 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.34 | 136 | 8027 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.21 | 164 | 5450 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.96 | 188 | 11977 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.17 | 240 | 11325 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.33 | 264 | 9427 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.95 | 152 | 410 | 0.03 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.00 | 212 | 1457 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 7) Acenaphthylene | 13.93 | 152 | 1783 | 0.069 | ng/ul# | 91 |
| 12) Phenanthrene | 17.00 | 178 | 8722 | 0.249 | ng/ul | 99 |
| 13) Anthracene | 17.09 | 178 | 1957 | 0.063 | ng/ul# | 86 |
| 15) Fluoranthene | 19.03 | 202 | 18121 | 0.391 | ng/ul | 98 |
| 17) Pyrene | 19.39 | 202 | 14417 | 0.320 | ng/ul | 98 |
| 18) Benzo(a)anthracene | 21.15 | 228 | 8705 | 0.211 | ng/ul | 91 |
| 19) Chrysene | 21.20 | 228 | 8195m | 0.162 | ng/ul | |
| 21) Benzo(b)fluoranthene | 22.69 | 252 | 10449m | 0.340 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.73 | 252 | 4156m | 0.120 | ng/ul | |
| 23) Benzo(a)pyrene | 23.24 | 252 | 6328 | 0.196 | ng/ul# | 72 |
| 24) Indeno(1,2,3-cd)pyrene | 25.49 | 276 | 4721 | 0.124 | ng/ul# | 100 |
| 25) Dibenzo(a,h)anthracene | 25.49 | 278 | 1013 | 0.034 | ng/ul# | 3 |
| 26) Benzo(g,h,i)perylene | 26.13 | 276 | 4668 | 0.134 | ng/ul# | 84 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
Data File : BN008412.D
Acq On : 25 Oct 2019 05:44
Operator : JU
Sample : K5236-06DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Oct 25 12:01:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 25 00:45:13 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPL6DL

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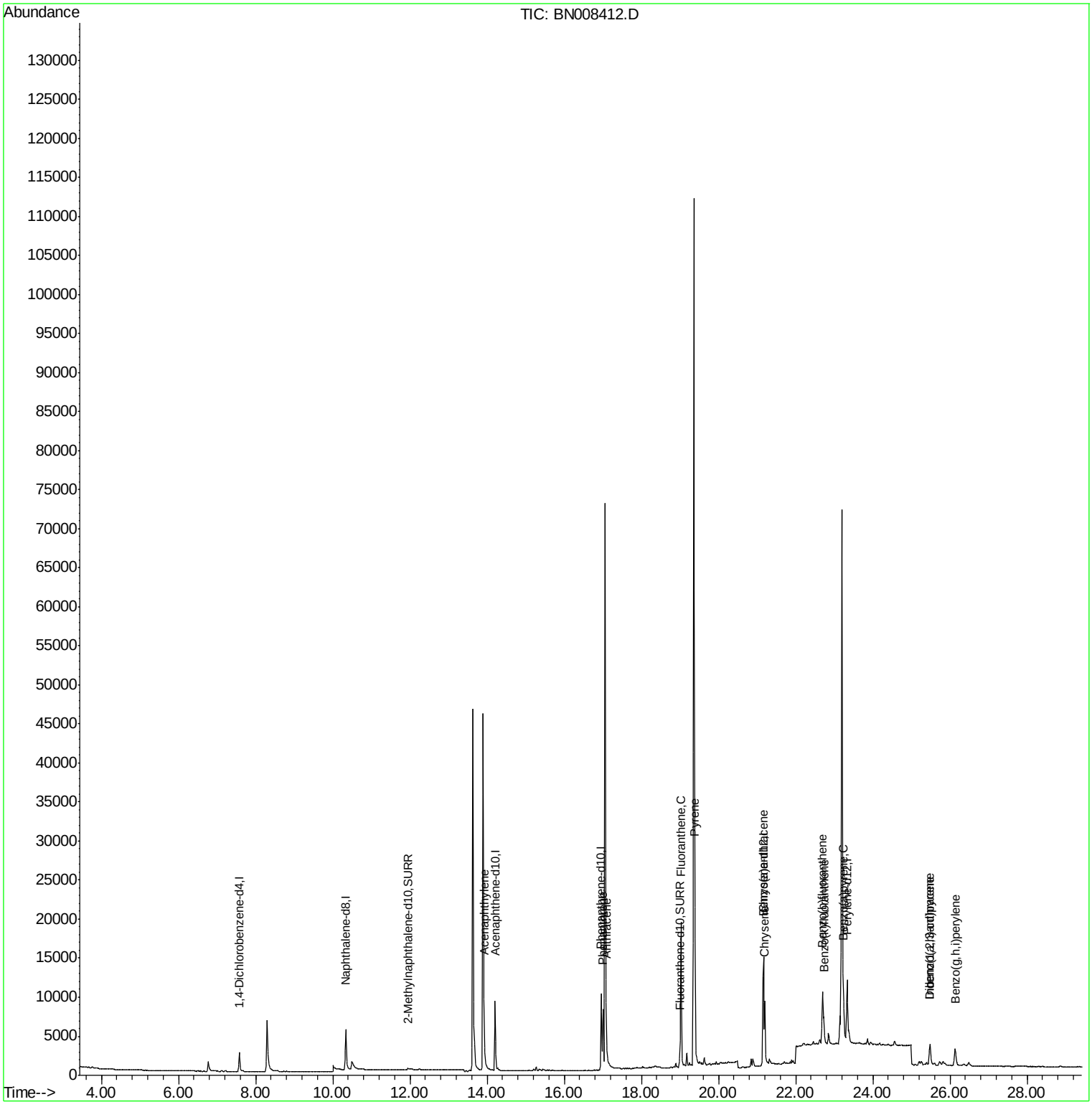
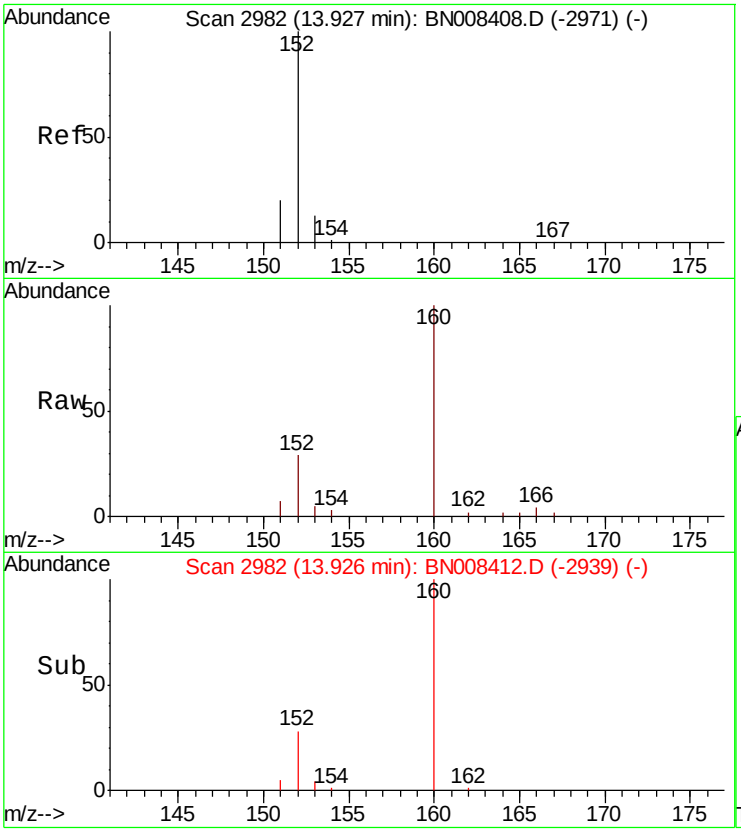
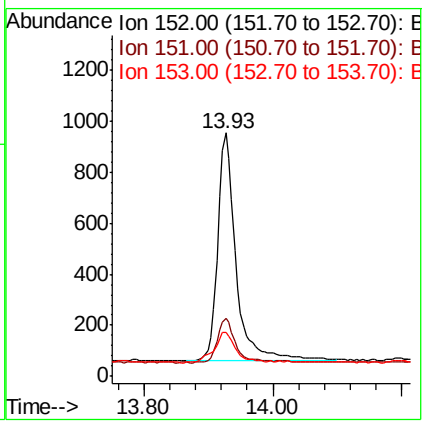





#7
Acenaphthylene
Concen: 0.069 ng/ul
RT: 13.93 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:152 Resp: 1783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.9 | 16.2 | 24.4 |
| 153 | 18.0 | 11.0 | 16.4# |




**Instrument :**
BNA_N
**ClientSampleId :**
BEPL6DL

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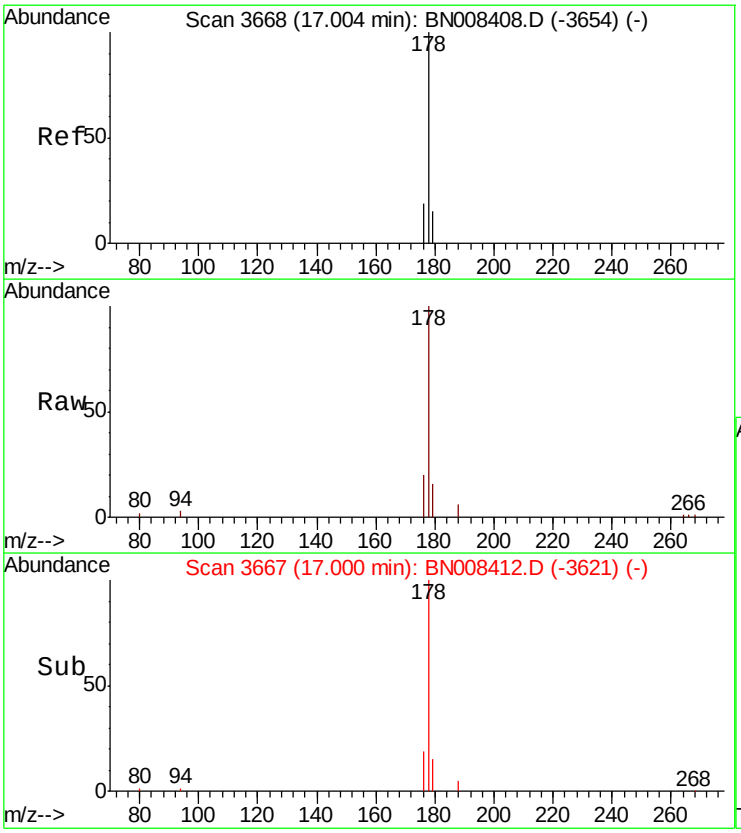
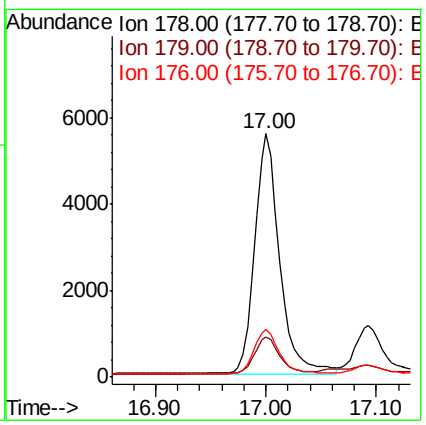
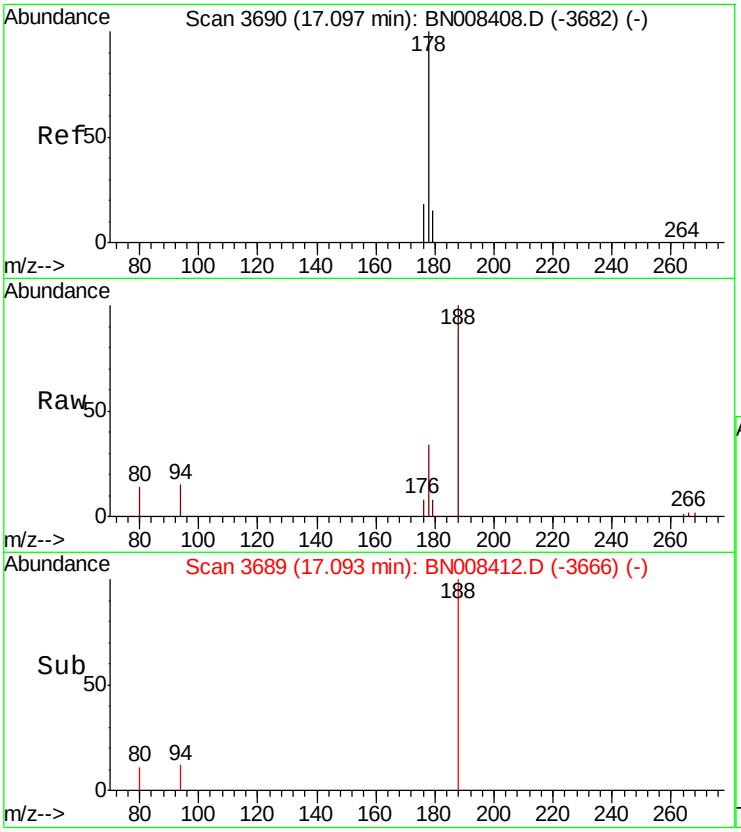



#12
Phenanthrene
Concen: 0.249 ng/ul
RT: 17.00 min Scan# 3667
Delta R.T. -0.00 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:178 Resp: 8722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.8 | 19.2 |
| 176 | 19.9 | 15.4 | 23.2 |






#13
Anthracene
Concen: 0.063 ng/ul
RT: 17.09 min Scan# 3689
Delta R.T. -0.00 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:178 Resp: 1957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 22.9 | 13.0 | 19.6# |
| 176 | 24.2 | 15.0 | 22.6# |

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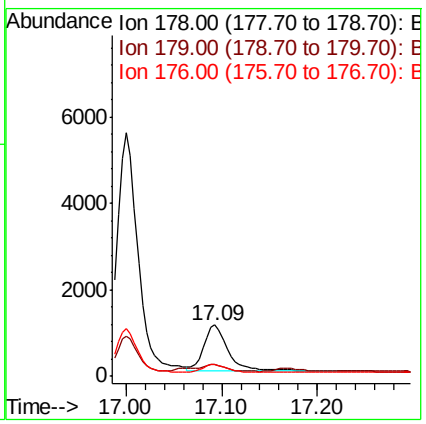
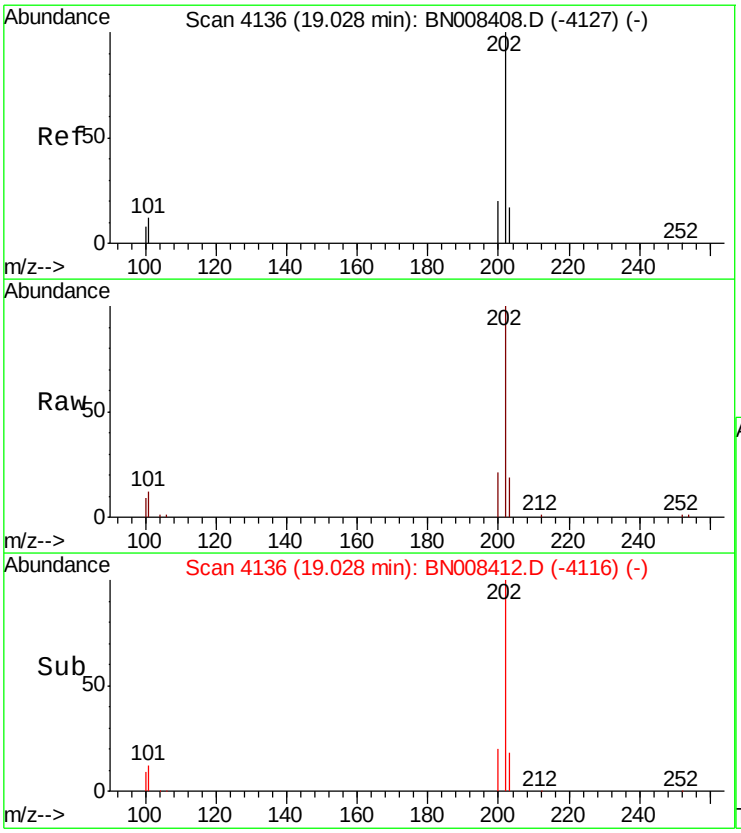
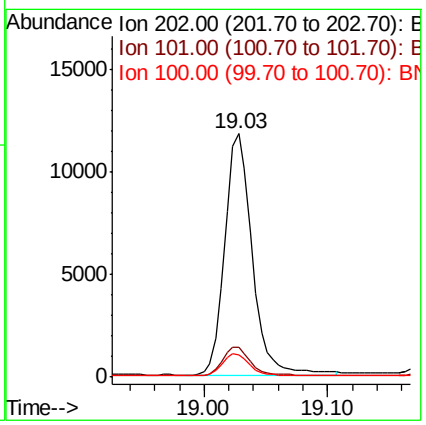


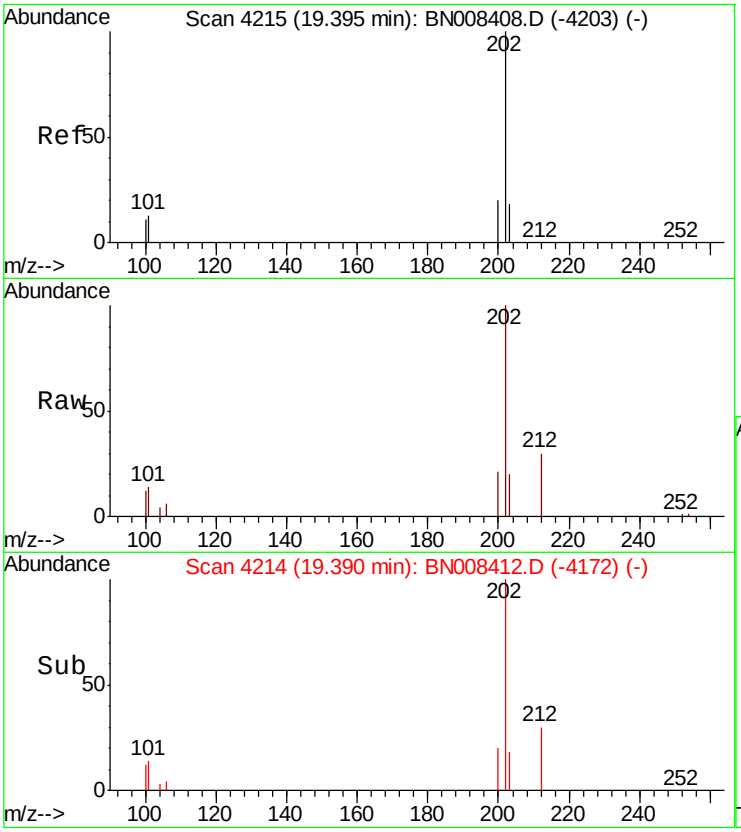




#15
Fluoranthene
Concen: 0.391 ng/ul
RT: 19.03 min Scan# 4136
Delta R.T. -0.00 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:202 Resp: 18121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 0.0 | 31.2 |
| 100 | 9.2 | 0.0 | 28.5 |

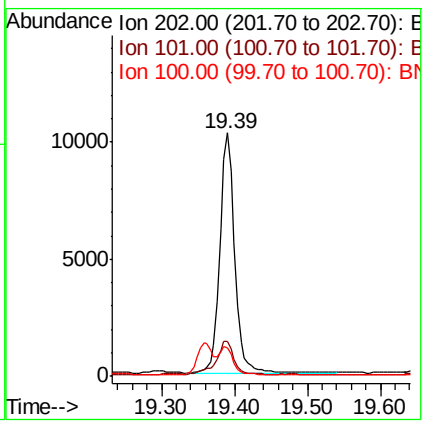





#17
Pyrene
Concen: 0.320 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. -0.00 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:202 Resp: 14417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.2 | 10.9 | 16.3 |
| 100 | 12.0 | 8.7 | 13.1 |




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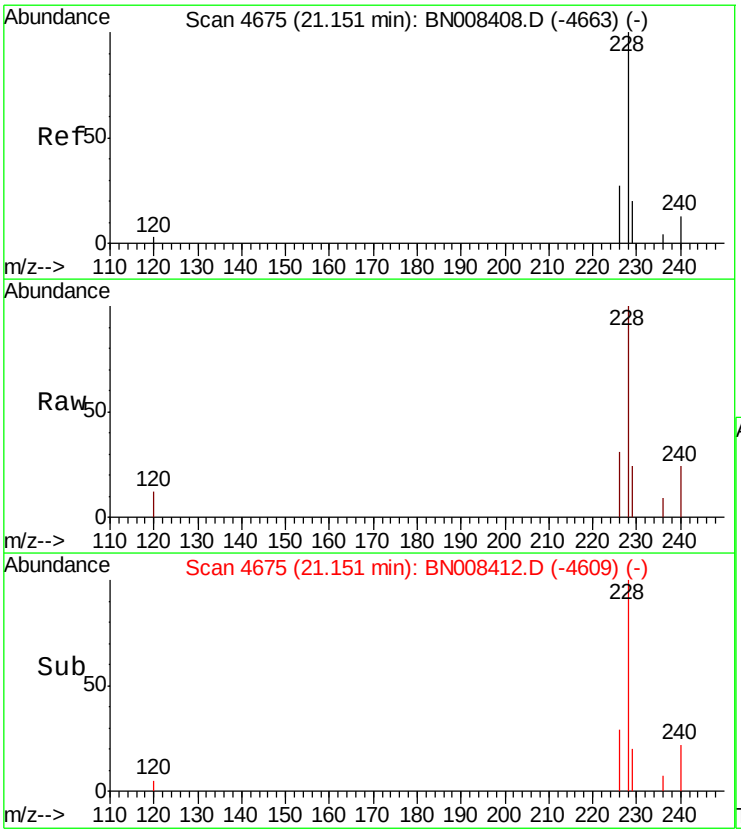
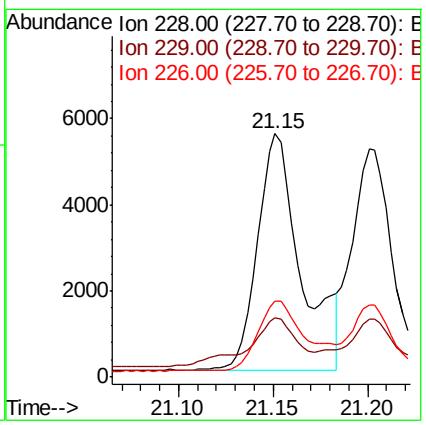
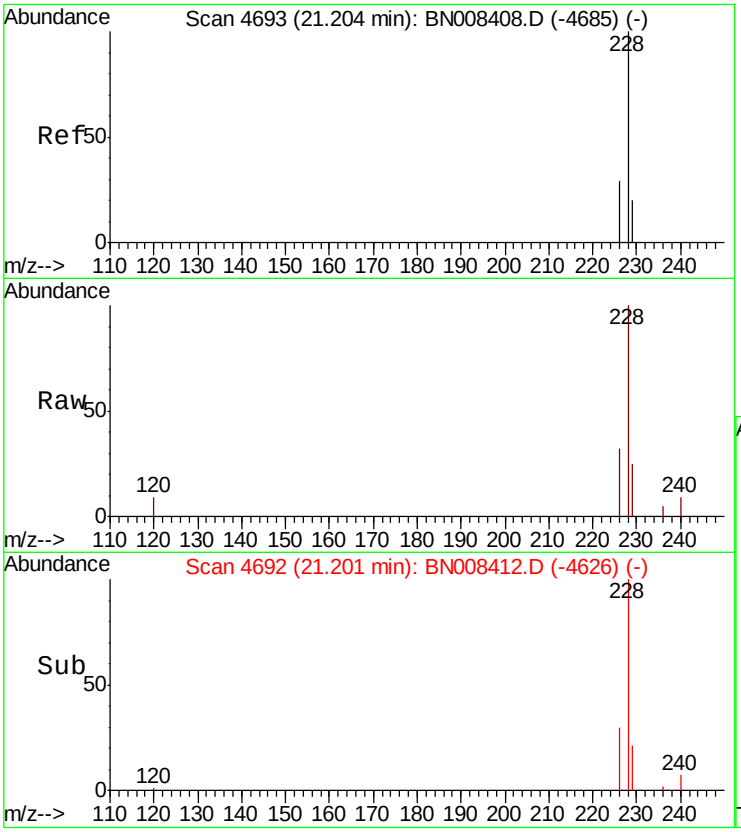



#18
Benzo(a)anthracene
Concen: 0.211 ng/ul
RT: 21.15 min Scan# 4675
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:228 Resp: 8705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.2 | 16.2 | 24.2 |
| 226 | 31.3 | 21.4 | 32.0 |






#19
Chrysene
Concen: 0.162 ng/ul m
RT: 21.20 min Scan# 4692
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:228 Resp: 8195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 24.1 | 36.1 |
| 229 | 25.1 | 16.2 | 24.2# |

**Instrument :**
BNA_N
**ClientSampleId :**
BEPL6DL

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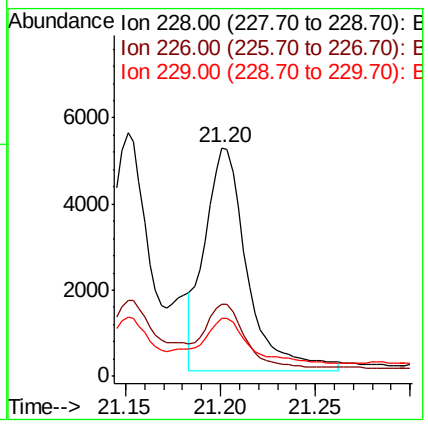
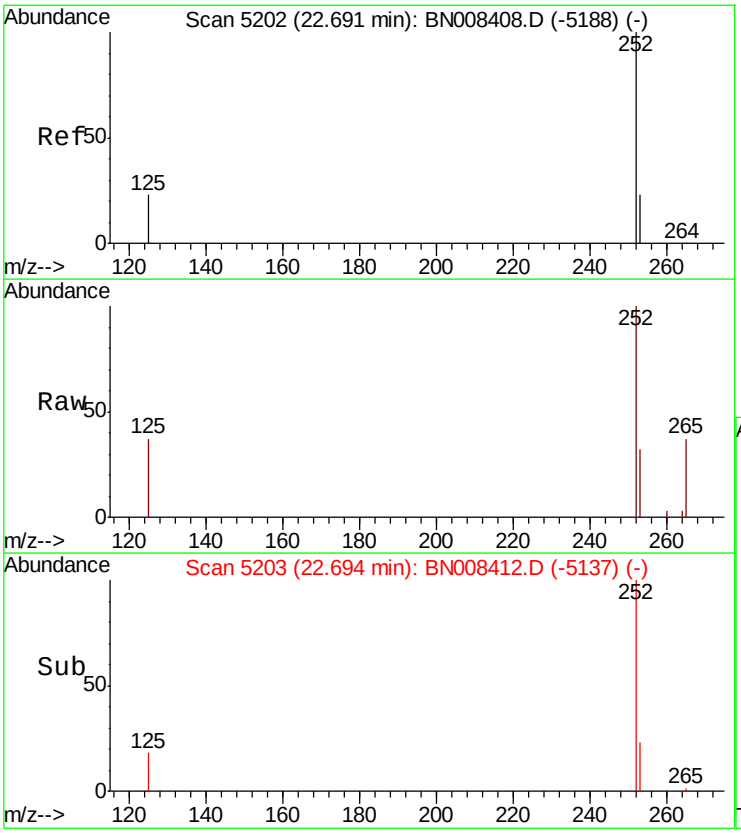
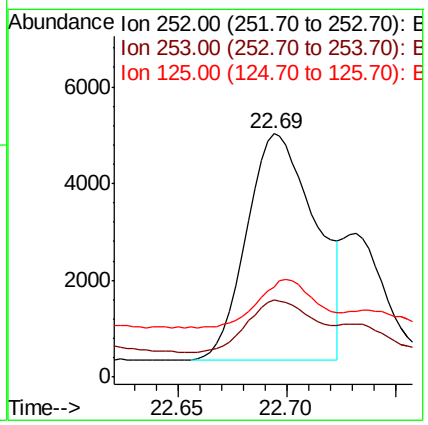


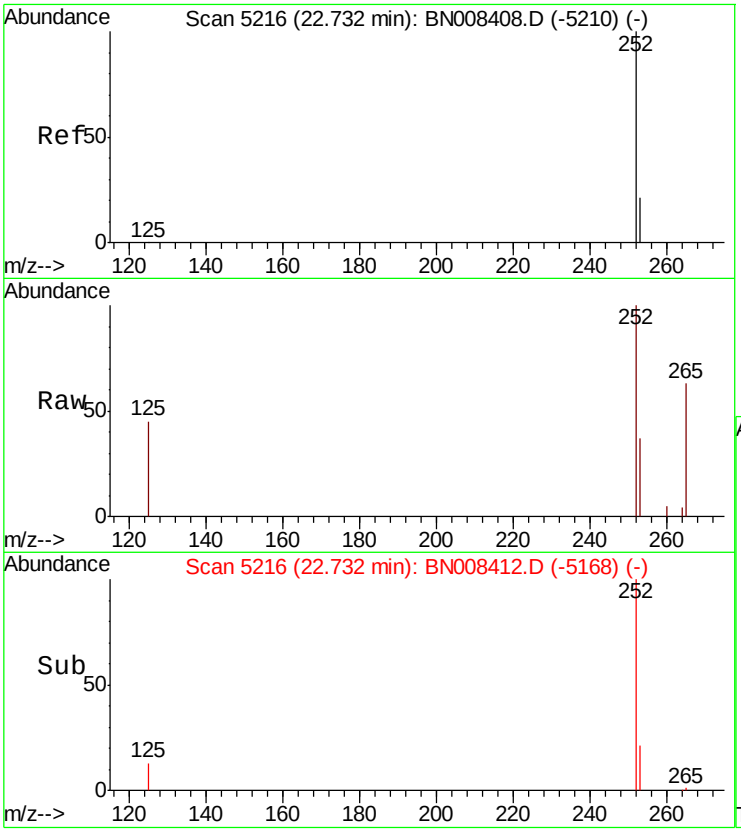




#21
Benzo(b)fluoranthene
Concen: 0.340 ng/ul m
RT: 22.69 min Scan# 5203
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:252 Resp: 10449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.7 | 0.0 | 53.4 |
| 125 | 37.2 | 0.0 | 32.4# |






#22
Benzo(k)fluoranthene
Concen: 0.120 ng/ul m
RT: 22.73 min Scan# 5216
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:252 Resp: 4156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 37.0 | 21.3 | 31.9# |
| 125 | 45.4 | 12.3 | 18.5# |

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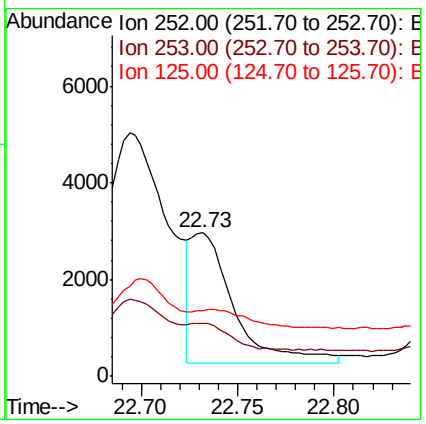
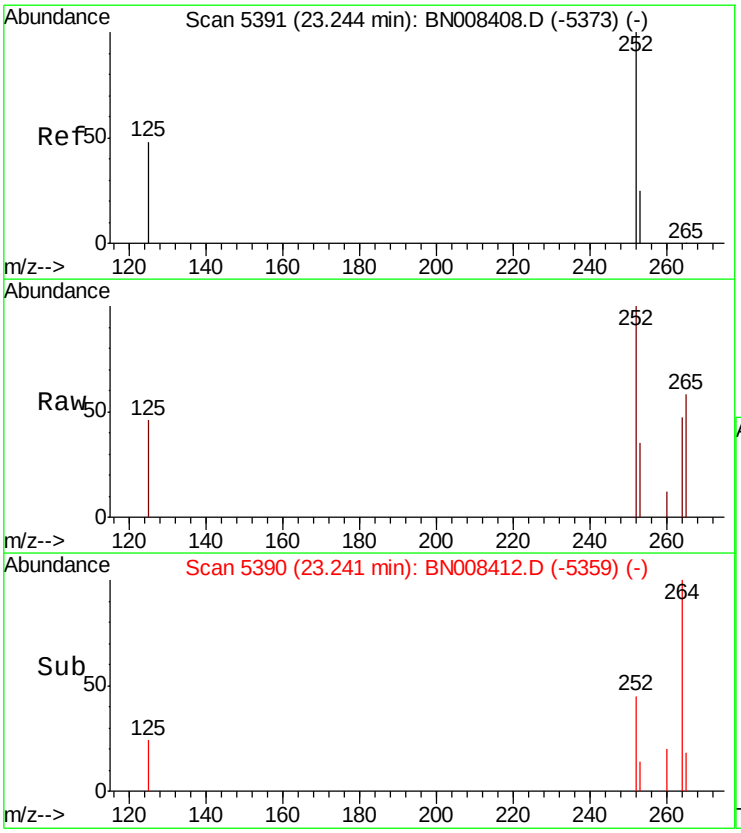
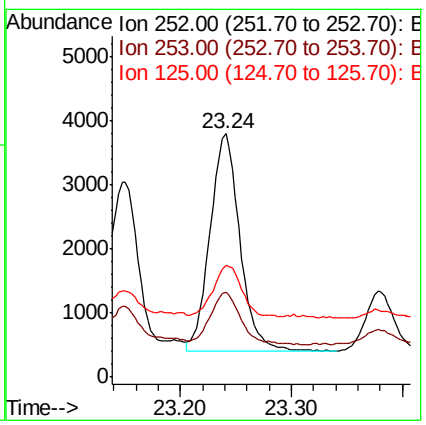


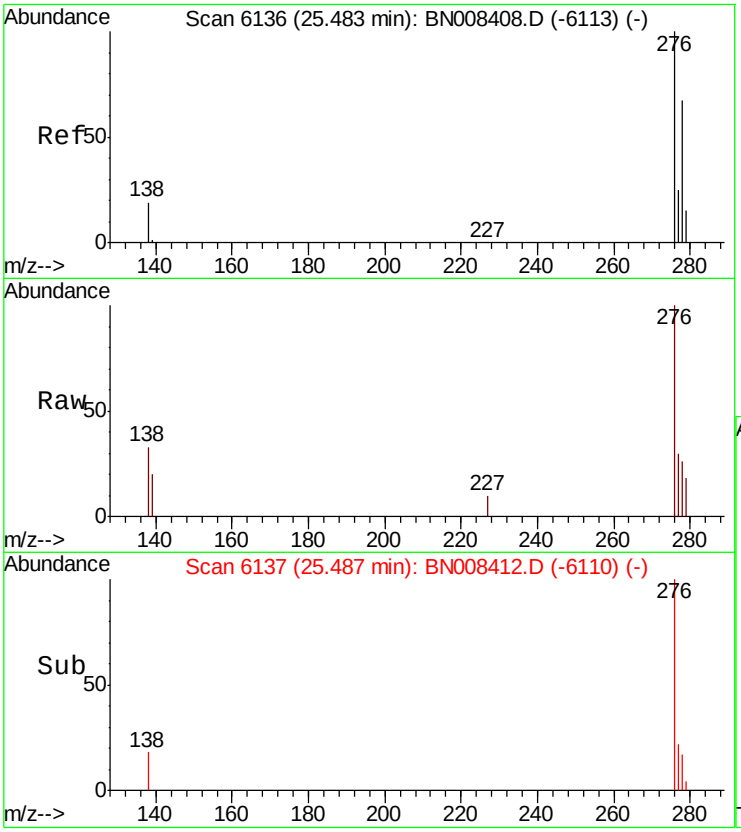




#23
Benzo(a)pyrene
Concen: 0.196 ng/ul
RT: 23.24 min Scan# 5390
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:252 Resp: 6328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 34.9 | 22.8 | 34.2# |
| 125 | 46.1 | 18.4 | 27.6# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.124 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:276 Resp: 4721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 16.1 | 24.1 |
| 227 | 0.1 | 0.2 | 0.2# |

**Instrument :**
BNA_N
**ClientSampleId :**
BEPL6DL

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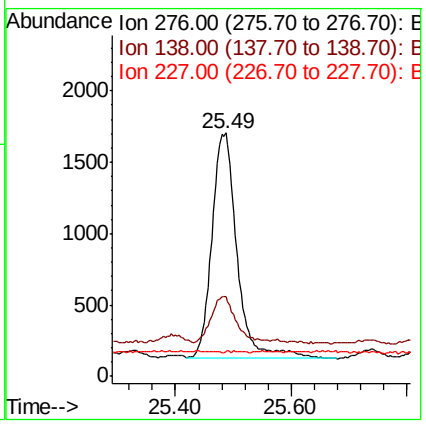
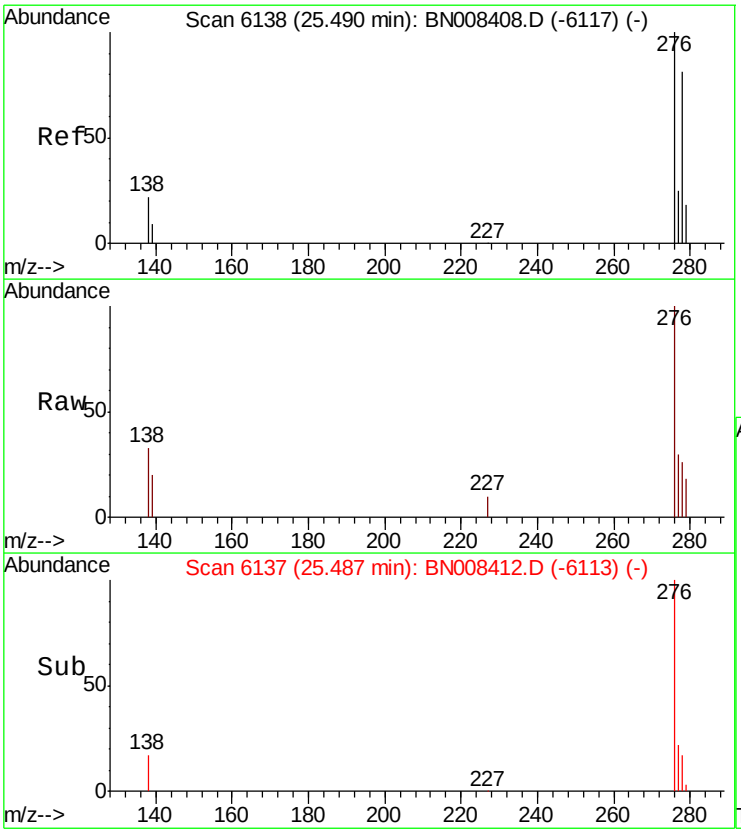
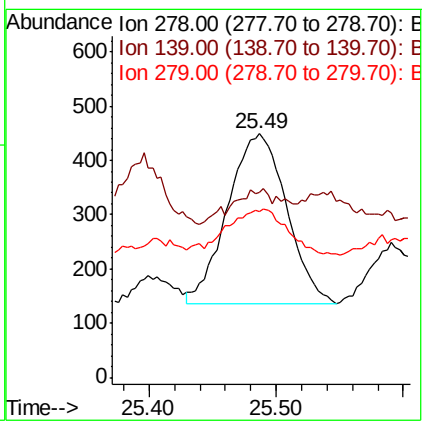


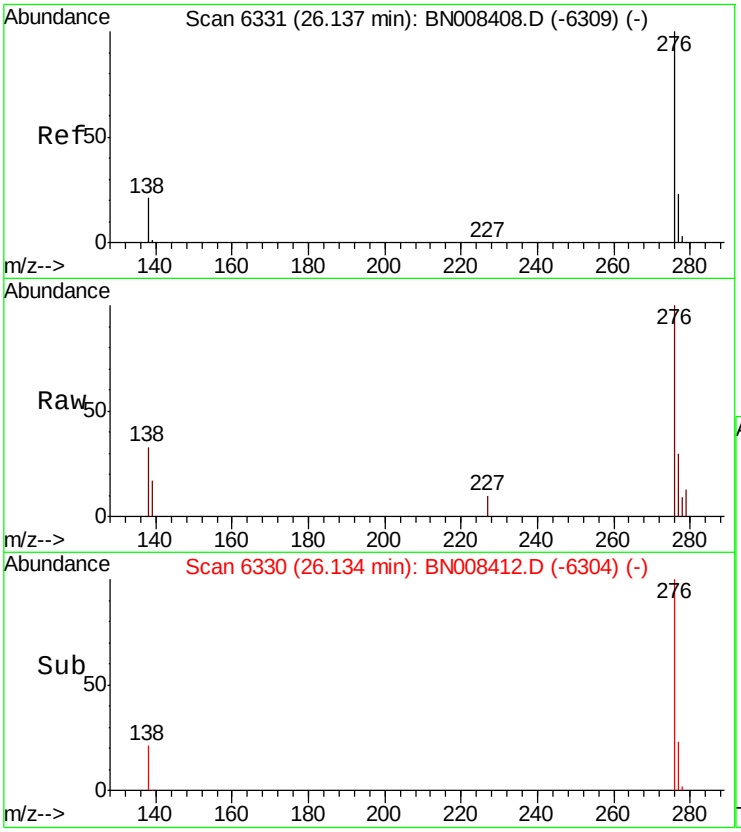




#25
Dibenzo(a,h)anthracene
Concen: 0.034 ng/ul
RT: 25.49 min Scan# 6137
Delta R.T. -0.02 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:278 Resp: 1013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 75.7 | 15.0 | 22.6# |
| 279 | 68.2 | 22.4 | 33.6# |

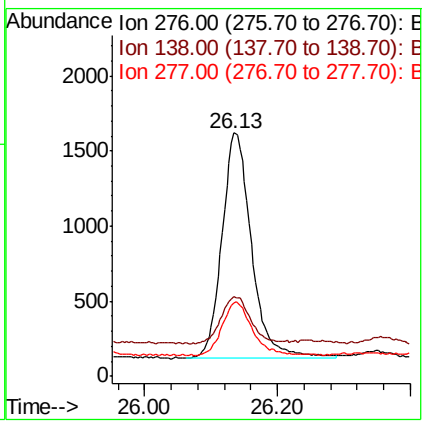





#26
Benzo(g,h,i)perylene
Concen: 0.134 ng/ul
RT: 26.13 min Scan# 6330
Delta R.T. -0.01 min
Lab File: BN008412.D
Acq: 25 Oct 2019 05:44

Tgt Ion:276 Resp: 4668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.5 | 17.0 | 25.4# |
| 277 | 30.2 | 20.4 | 30.6 |




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