Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\
Data File : BM021894.D
Acq On : 07 Aug 2019 14:00
Operator : HP/JU
Sample : K3893-09DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BEP13DL

**Manual Integrations APPROVED**
mohammad
8/7/2019 11:52:29 PM

Quant Time: Aug 07 15:22:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 08:28:11 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 774 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.42 | 136 | 3300 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.29 | 164 | 1864 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.04 | 188 | 4160 | 0.40 | ng/ul | -0.01 |
| 16) Chrysene-d12 | 21.24 | 240 | 4172 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.45 | 264 | 5563 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.04 | 152 | 171 | 0.03 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.07 | 212 | 490 | 0.03 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 7) Acenaphthylene | 14.01 | 152 | 460 | 0.053 | ng/ul# | 73 |
| 8) Acenaphthene | 14.35 | 153 | 157 | 0.022 | ng/ul# | 88 |
| 9) Fluorene | 15.34 | 166 | 200 | 0.025 | ng/ul# | 88 |
| 12) Phenanthrene | 17.08 | 178 | 4162 | 0.344 | ng/ul | 99 |
| 13) Anthracene | 17.18 | 178 | 879 | 0.085 | ng/ul# | 81 |
| 15) Fluoranthene | 19.11 | 202 | 13994 | 0.863 | ng/ul | 97 |
| 17) Pyrene | 19.47 | 202 | 12563 | 0.733 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.22 | 228 | 5925 | 0.397 | ng/ul | 96 |
| 19) Chrysene | 21.28 | 228 | 7198 | 0.375 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.79 | 252 | 11742m | 0.626 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.83 | 252 | 4404m | 0.207 | ng/ul | |
| 23) Benzo(a)pyrene | 23.36 | 252 | 6720 | 0.352 | ng/ul | 92 |
| 24) Indeno(1,2,3-cd)pyrene | 25.68 | 276 | 5592 | 0.245 | ng/ul# | 93 |
| 25) Dibenzo(a,h)anthracene | 25.68 | 278 | 1286 | 0.070 | ng/ul# | 51 |
| 26) Benzo(g,h,i)perylene | 26.35 | 276 | 4716 | 0.230 | ng/ul | 93 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\
Data File : BM021894.D
Acq On : 07 Aug 2019 14:00
Operator : HP/JU
Sample : K3893-09DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 07 15:22:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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**Instrument :**
BNA_M
**ClientSampleId :**
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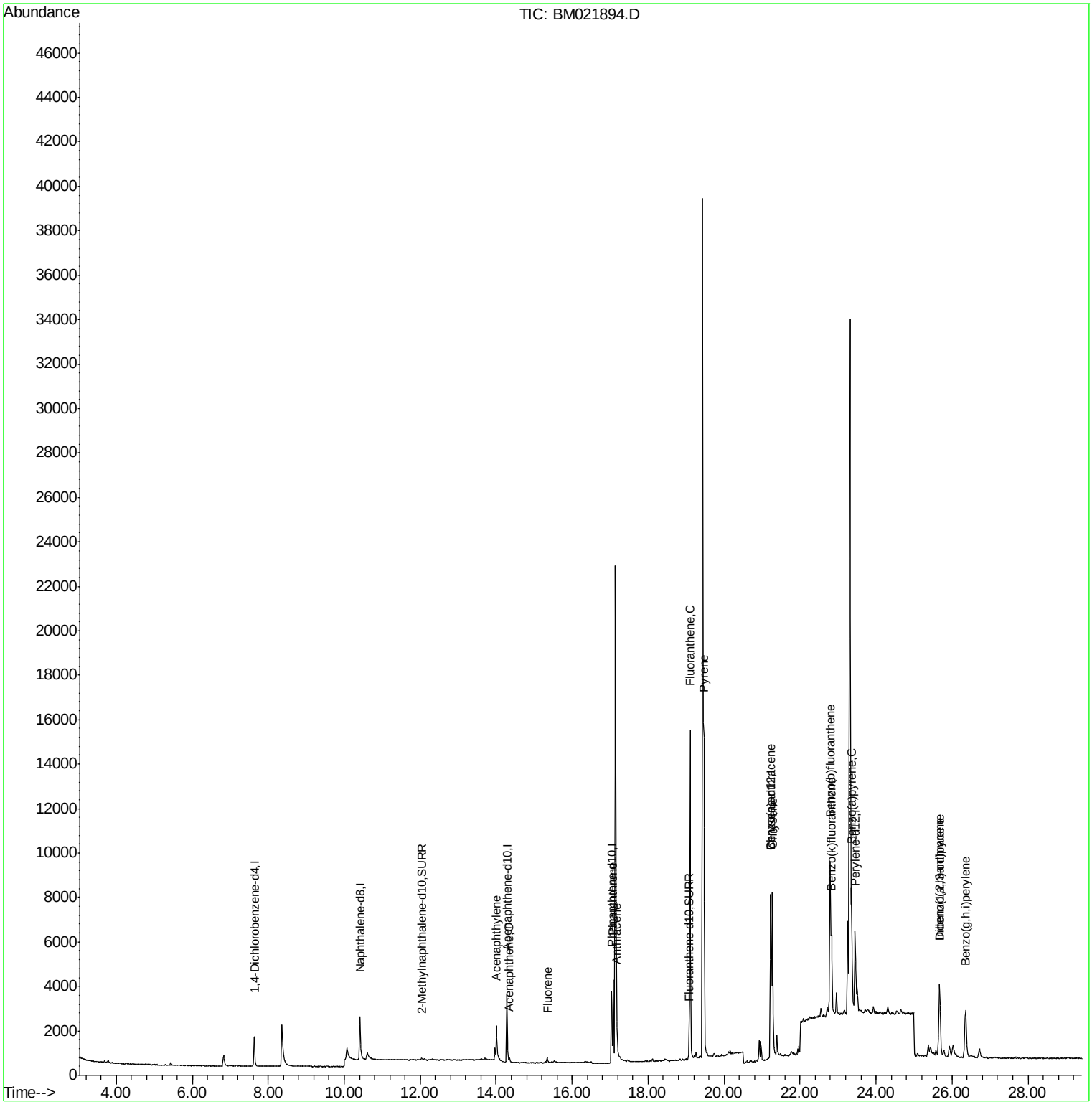

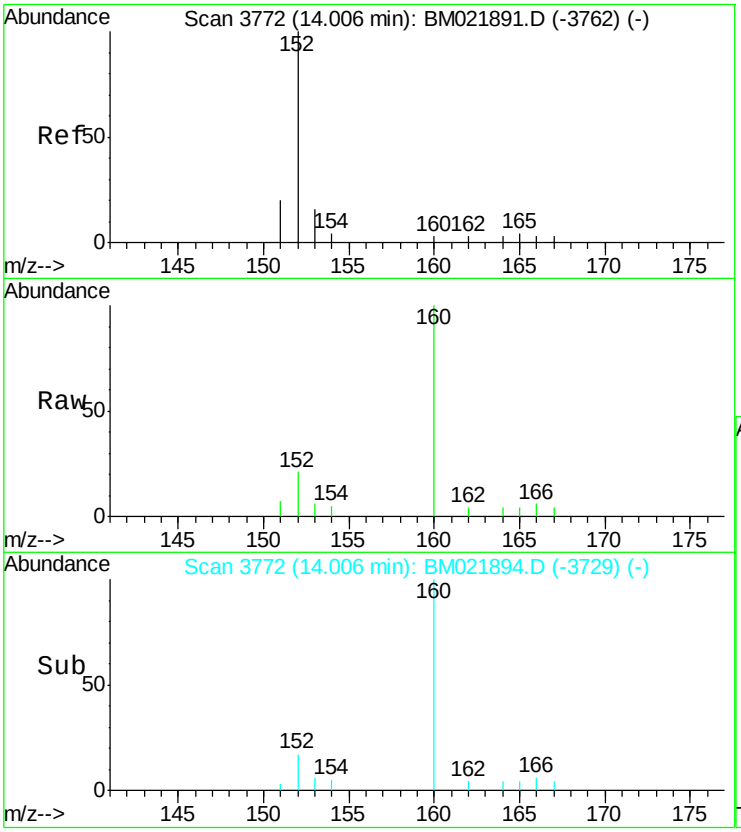


#7
Acenaphthylene
Concen: 0.053 ng/ul
RT: 14.01 min Scan# 3772
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:152 Resp: 460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 34.5 | 18.3 | 27.5# |
| 153 | 29.1 | 12.8 | 19.2# |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP13DL

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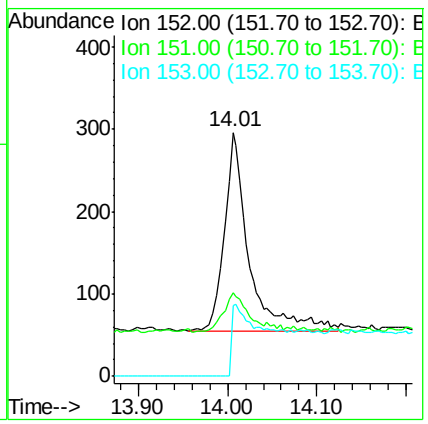
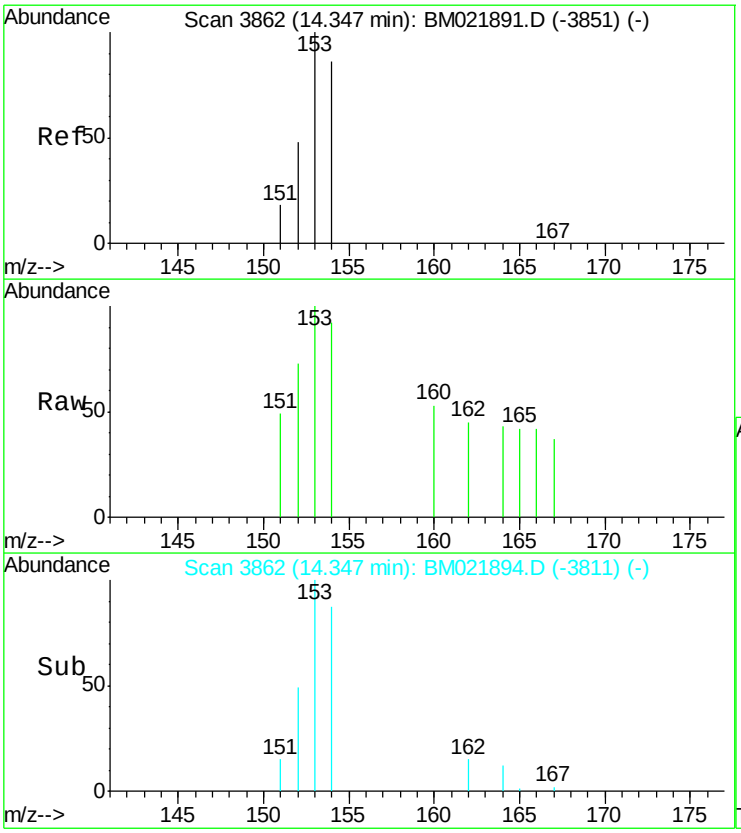
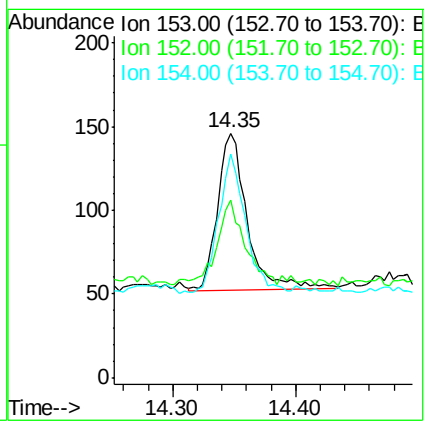


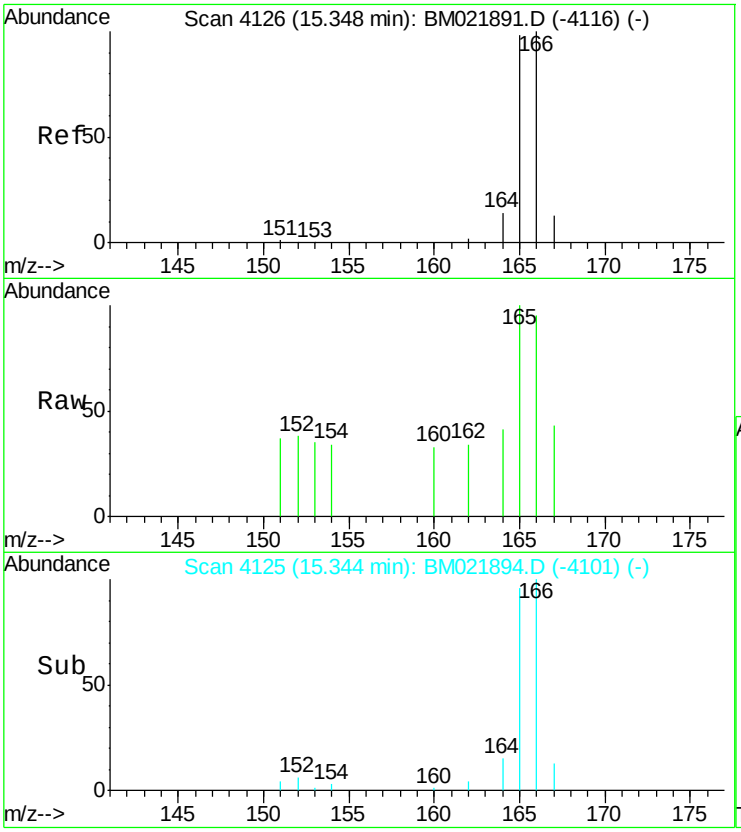




#8
Acenaphthene
Concen: 0.022 ng/ul
RT: 14.35 min Scan# 3862
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:153 Resp: 157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 72.6 | 41.3 | 61.9# |
| 154 | 91.8 | 72.3 | 108.5 |

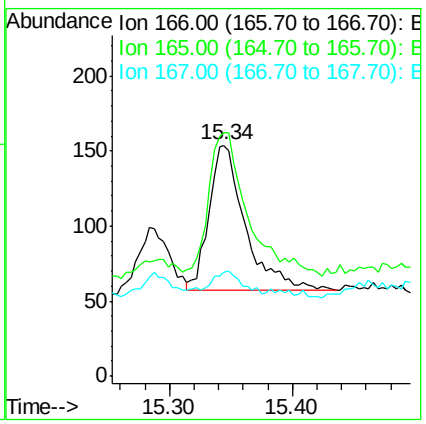





#9
Fluorene
Concen: 0.025 ng/ul
RT: 15.34 min Scan# 4125
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:166 Resp: 200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 105.2 | 81.4 | 122.0 |
| 167 | 44.8 | 13.7 | 20.5# |




**Instrument :**
BNA_M
**ClientSampleId :**
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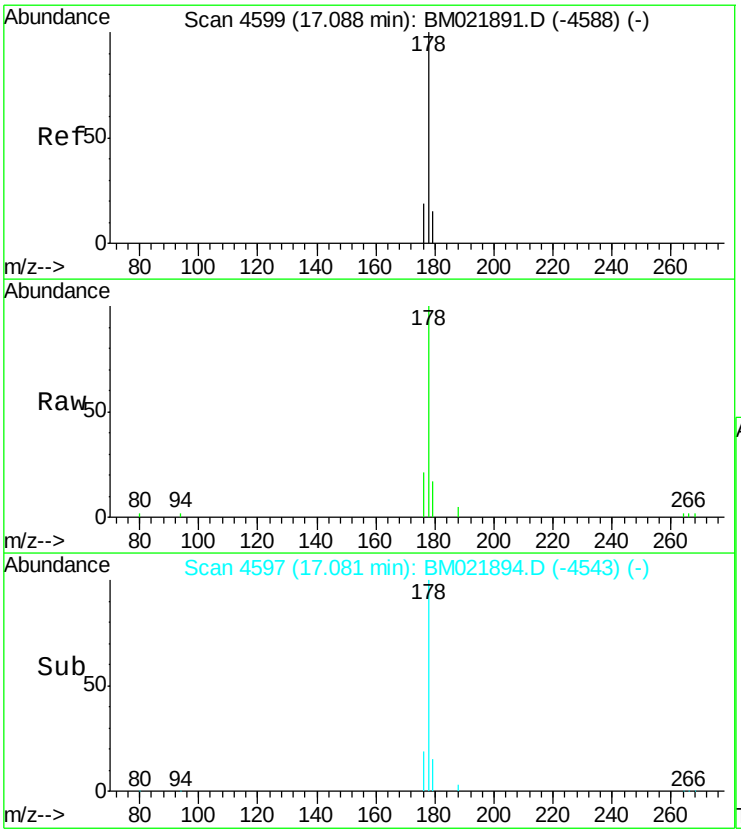
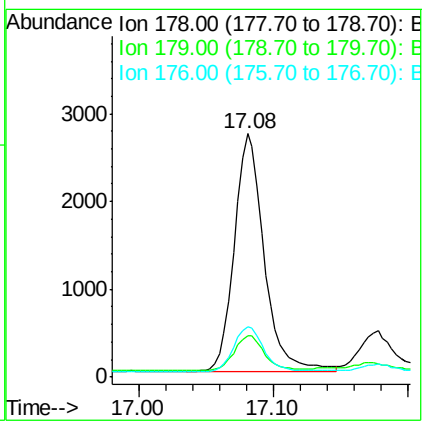
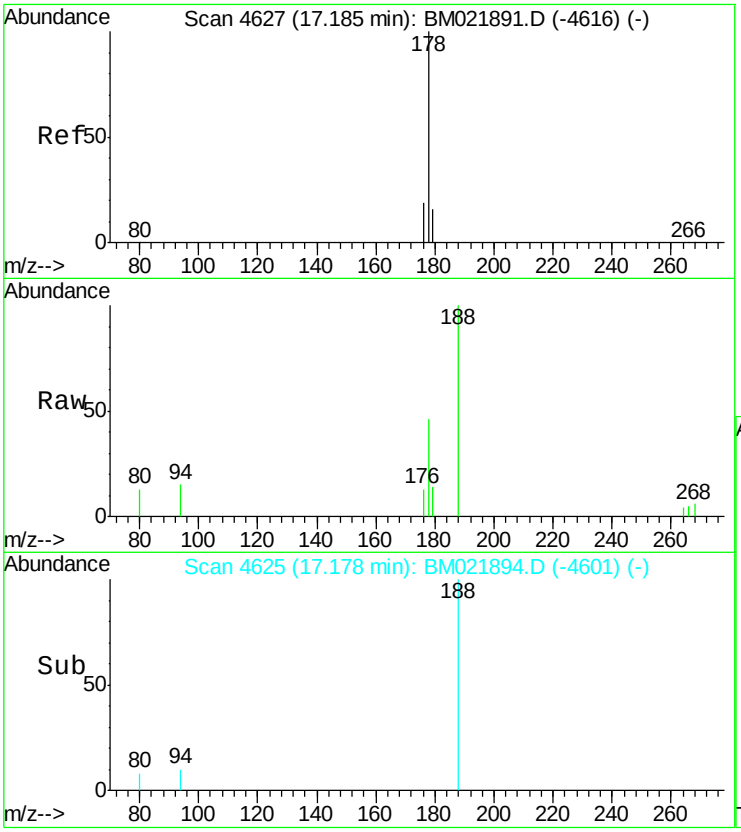



#12
Phenanthrene
Concen: 0.344 ng/ul
RT: 17.08 min Scan# 4597
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:178 Resp: 4162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.1 | 14.2 | 21.2 |
| 176 | 20.9 | 16.8 | 25.2 |

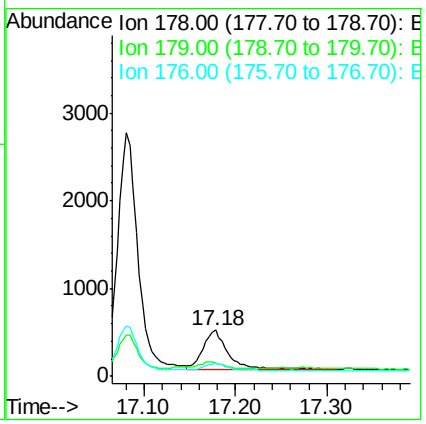





#13
Anthracene
Concen: 0.085 ng/ul
RT: 17.18 min Scan# 4625
Delta R.T. -0.02 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:178 Resp: 879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 29.6 | 15.5 | 23.3# |
| 176 | 27.9 | 16.6 | 25.0# |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP13DL

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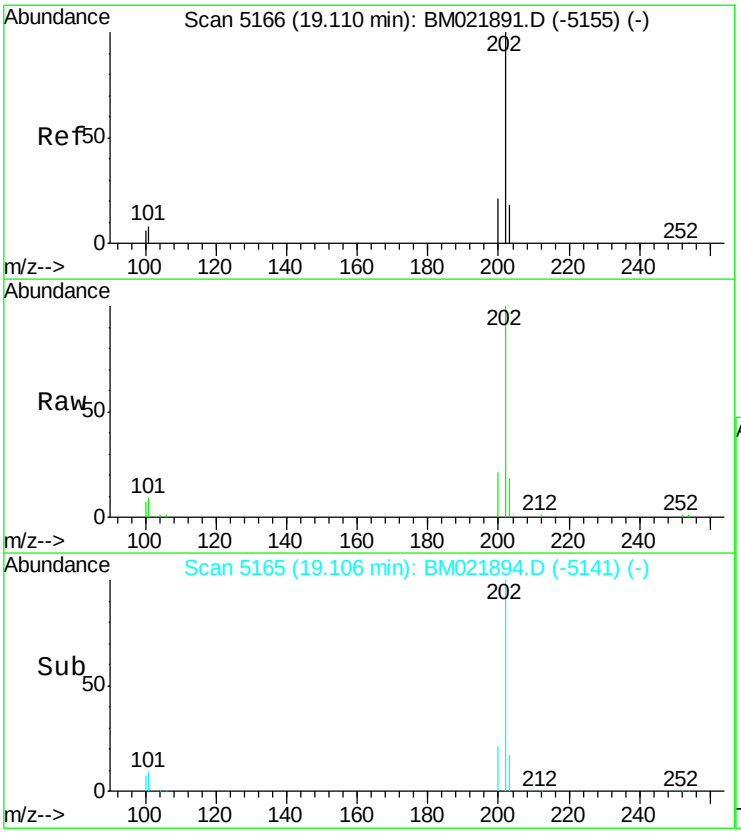
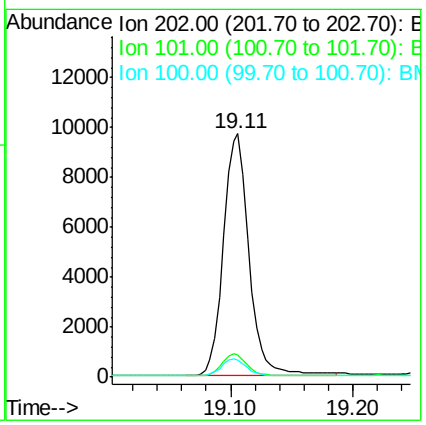
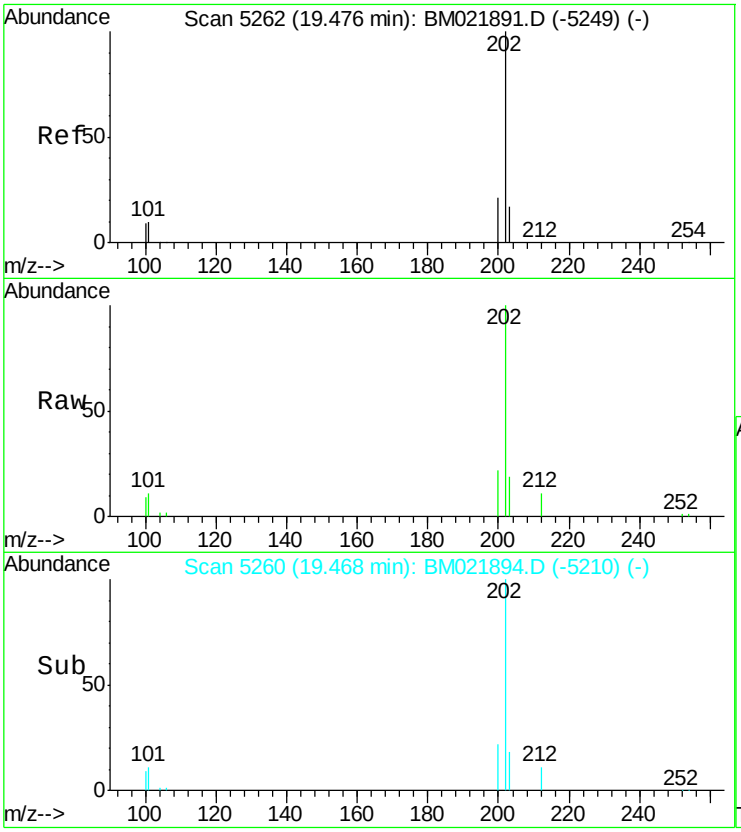



#15
Fluoranthene
Concen: 0.863 ng/ul
RT: 19.11 min Scan# 5165
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:202 Resp: 13994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.2 | 0.0 | 30.2 |
| 100 | 7.0 | 0.0 | 28.1 |






#17
Pyrene
Concen: 0.733 ng/ul
RT: 19.47 min Scan# 5260
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:202 Resp: 12563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 8.3 | 12.5 |
| 100 | 9.2 | 7.2 | 10.8 |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP13DL

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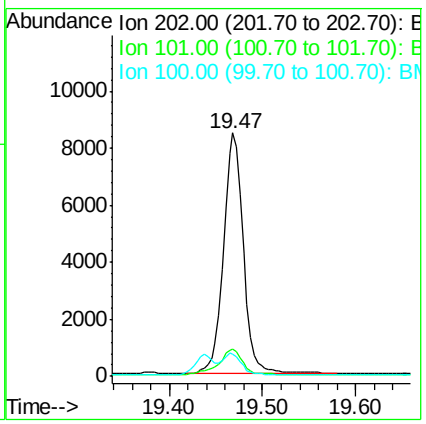
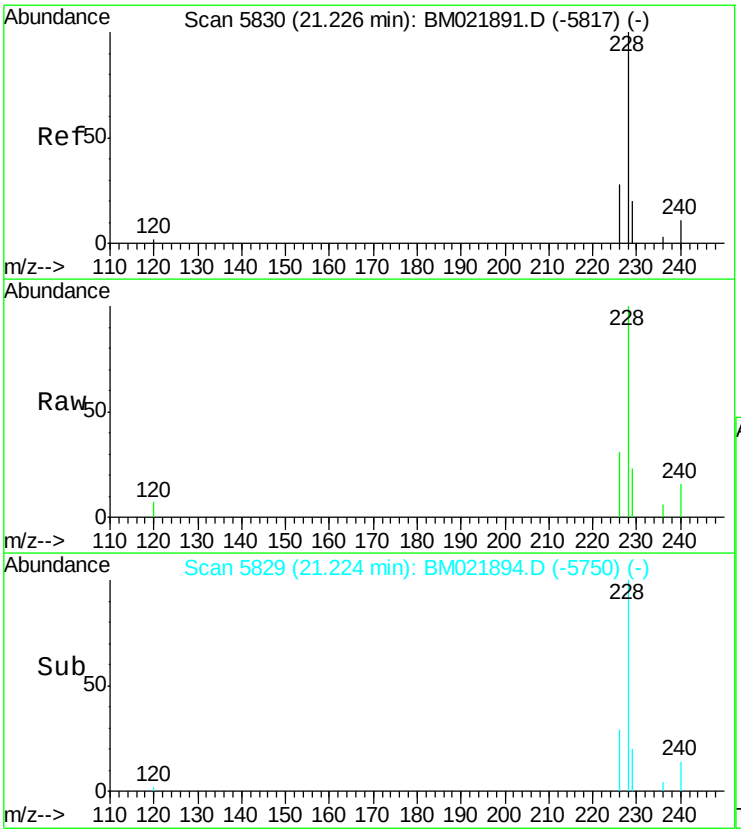
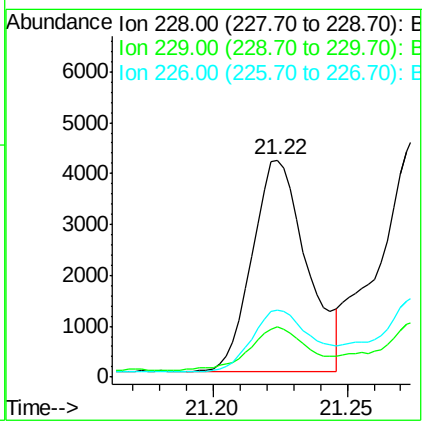


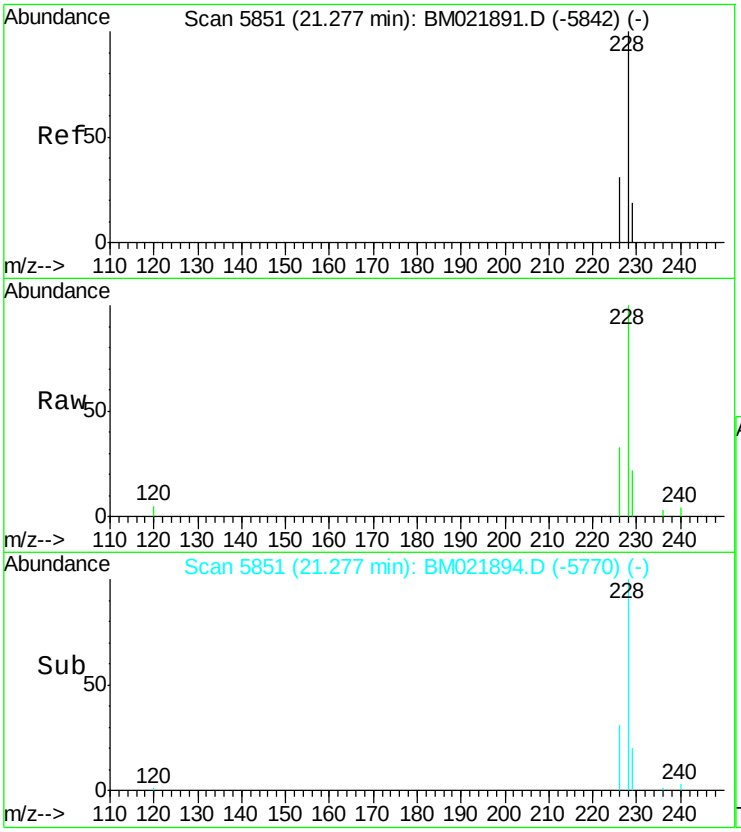




#18
Benzo(a)anthracene
Concen: 0.397 ng/ul
RT: 21.22 min Scan# 5829
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:228 Resp: 5925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.0 | 17.2 | 25.8 |
| 226 | 30.7 | 22.6 | 34.0 |






#19
Chrysene
Concen: 0.375 ng/ul
RT: 21.28 min Scan# 5851
Delta R.T. -0.00 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:228 Resp: 7198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.7 | 24.9 | 37.3 |
| 229 | 22.5 | 16.6 | 25.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
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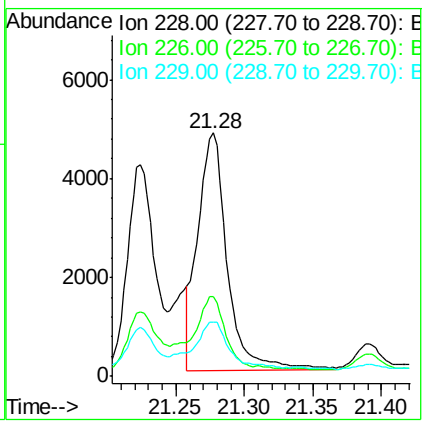
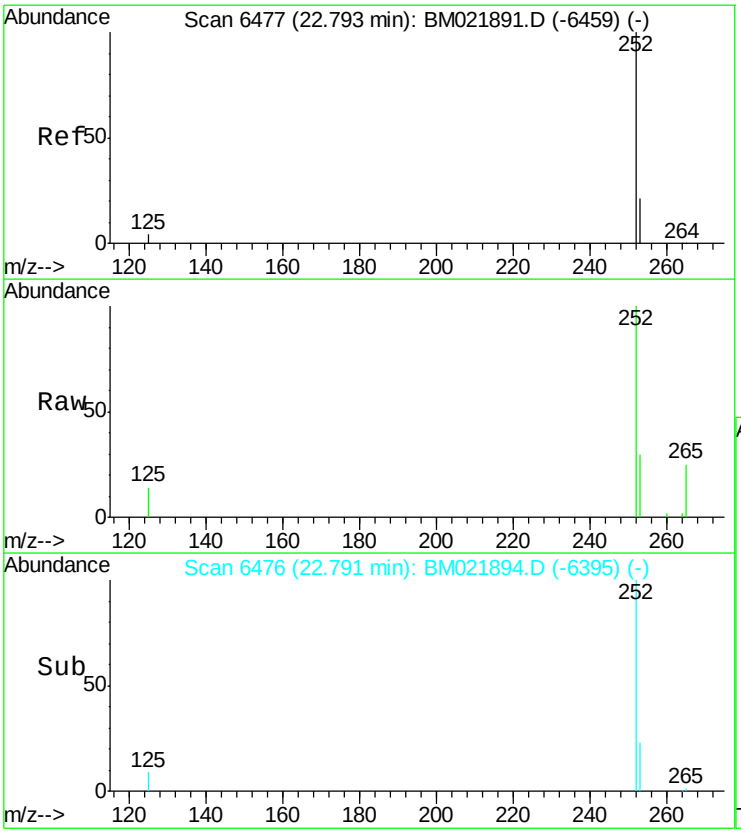
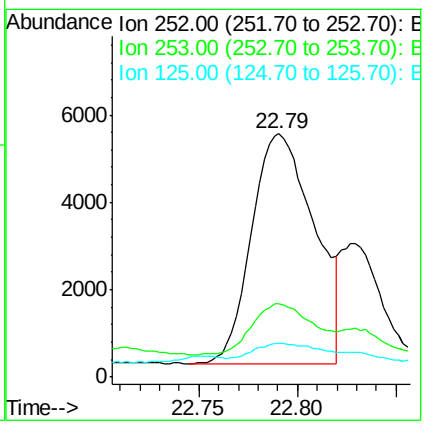


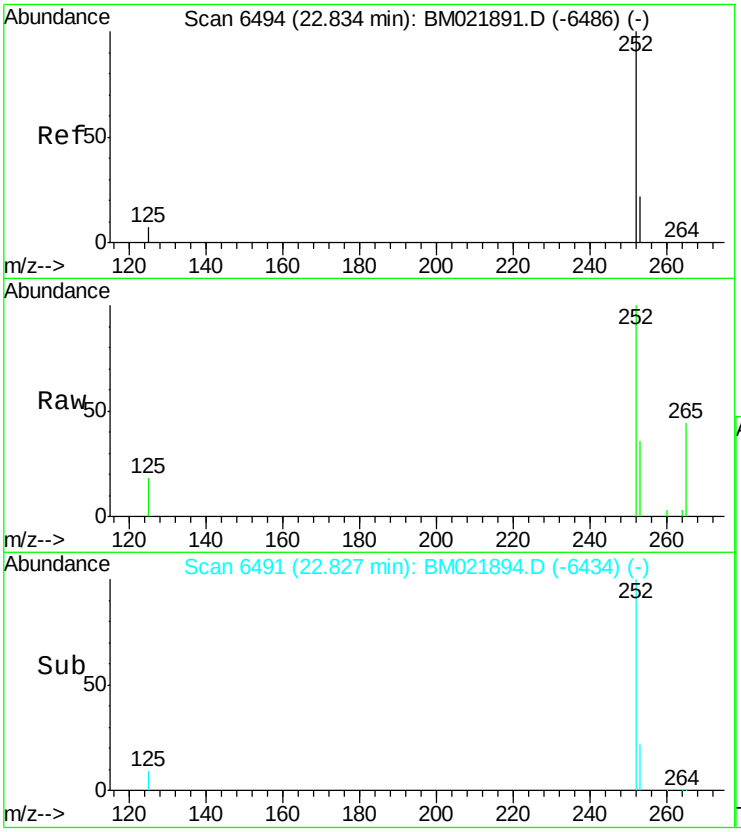




#21
Benzo(b)fluoranthene
Concen: 0.626 ng/ul m
RT: 22.79 min Scan# 6476
Delta R.T. -0.00 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:252 Resp: 11742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.3 | 0.0 | 67.4 |
| 125 | 13.9 | 0.0 | 31.0 |

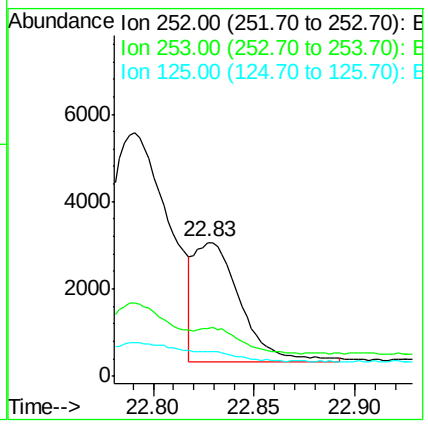





#22
Benzo(k)fluoranthene
Concen: 0.207 ng/ul m
RT: 22.83 min Scan# 6491
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:252 Resp: 4404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 36.1 | 27.0 | 40.4 |
| 125 | 18.2 | 12.2 | 18.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP13DL

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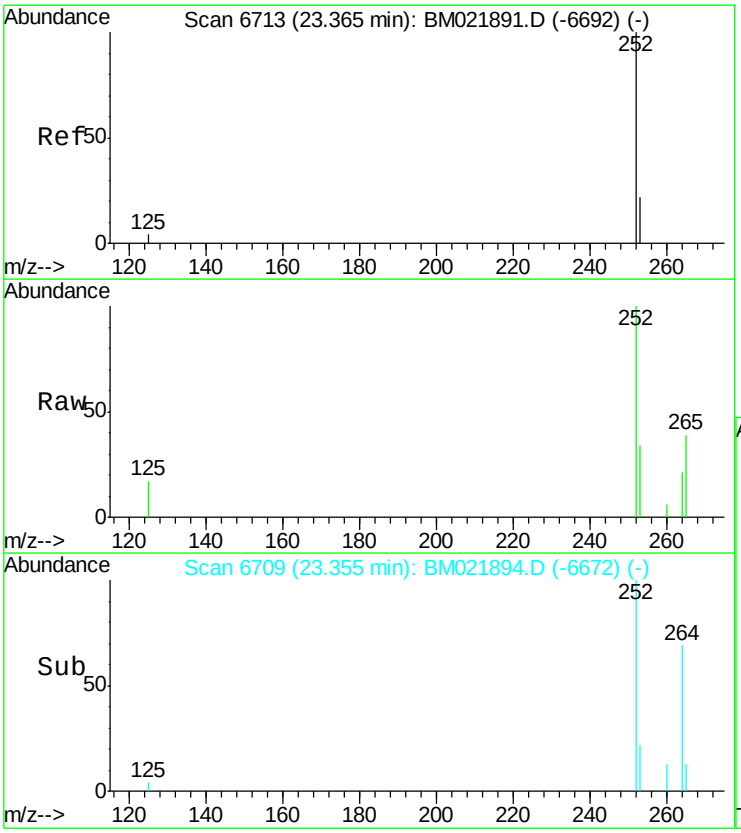
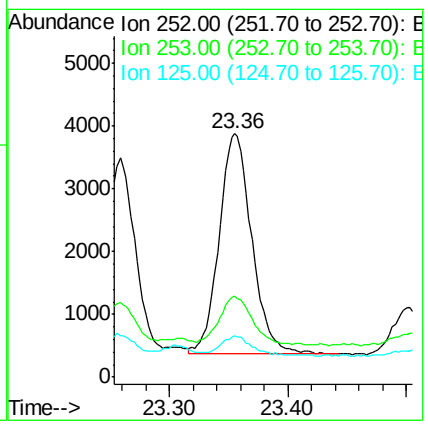
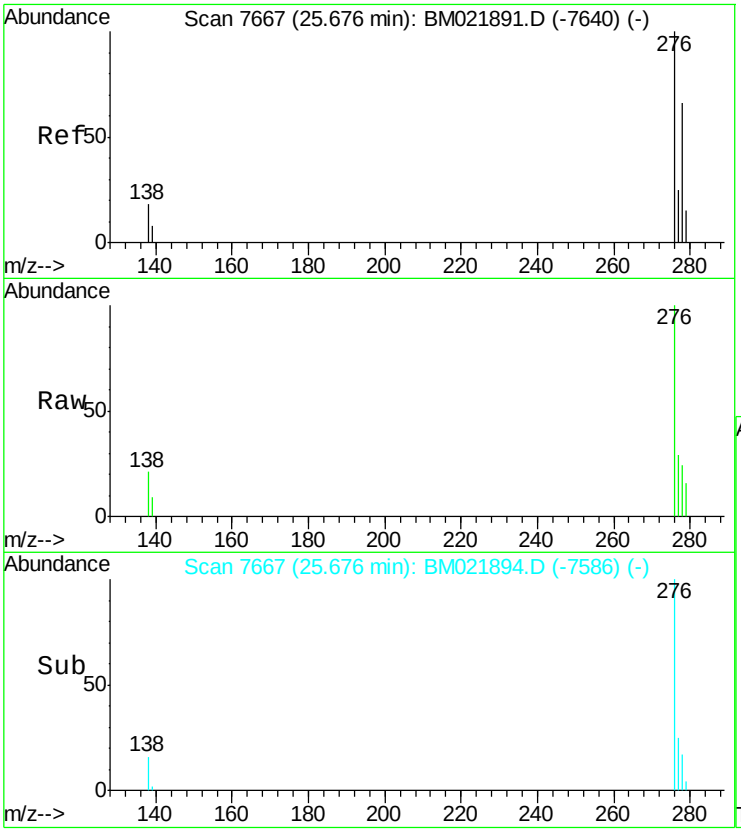



#23
Benzo(a)pyrene
Concen: 0.352 ng/ul
RT: 23.36 min Scan# 6709
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:252 Resp: 6720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.5 | 31.7 | 47.5 |
| 125 | 16.9 | 14.6 | 21.8 |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.245 ng/ul
RT: 25.68 min Scan# 7667
Delta R.T. -0.00 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:276 Resp: 5592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.9 | 15.1 | 22.7 |
| 227 | 0.0 | 0.0 | 0.0 |

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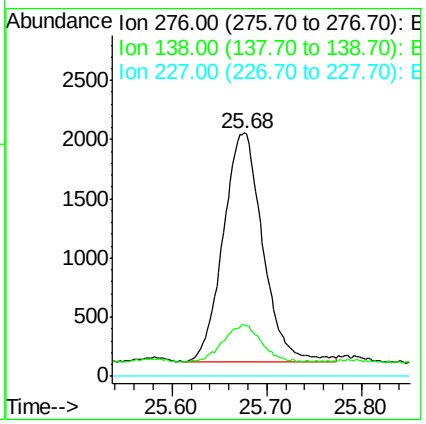
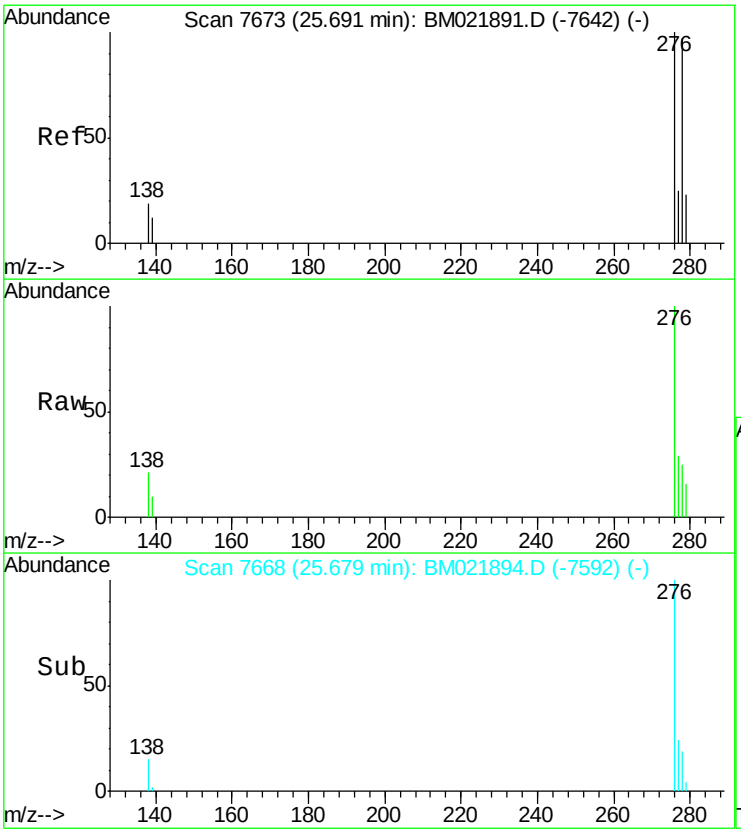
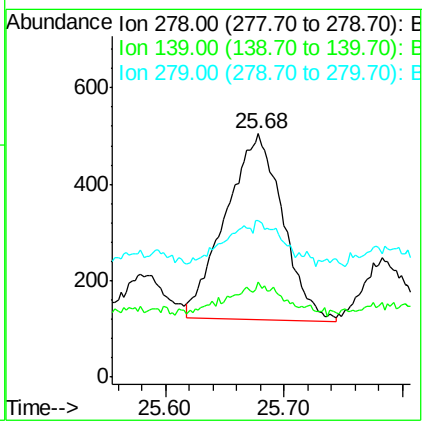


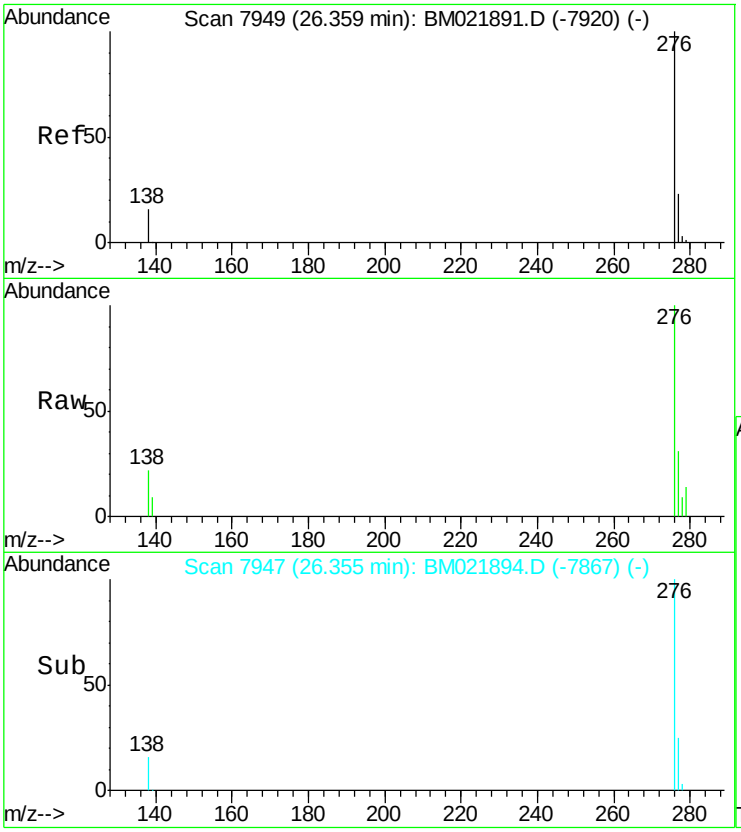




#25
Dibenzo(a,h)anthracene
Concen: 0.070 ng/ul
RT: 25.68 min Scan# 7668
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:278 Resp: 1286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 39.2 | 14.2 | 21.2# |
| 279 | 64.4 | 28.3 | 42.5# |

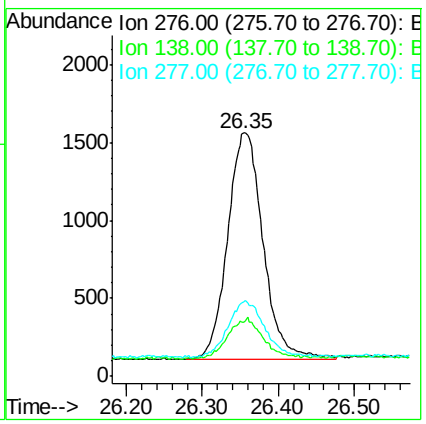





#26
Benzo(g,h,i)perylene
Concen: 0.230 ng/ul
RT: 26.35 min Scan# 7947
Delta R.T. -0.01 min
Lab File: BM021894.D
Acq: 07 Aug 2019 14:00

Tgt Ion:276 Resp: 4716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.3 | 15.5 | 23.3 |
| 277 | 30.9 | 21.4 | 32.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP13DL

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