Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\
Data File : BM021896.D
Acq On : 07 Aug 2019 15:13
Operator : HP/JU
Sample : K3893-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

**Manual Integrations APPROVED**
mohammad
8/7/2019 11:52:36 PM

Quant Time: Aug 07 16:40:31 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 | 670 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.41 | 136 | 3020 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.28 | 164 | 1742 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.03 | 188 | 4142 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.23 | 240 | 4359 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 6373 | 0.40 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.01 | 152 | 1649 | 0.33 | ng/ul | -0.02 |
| 14) Fluoranthene-d10 | 19.07 | 212 | 5023 | 0.36 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.47 | 128 | 2534 | 0.297 | ng/ul | 99 |
| 5) 2-Methylnaphthalene | 12.09 | 142 | 1418 | 0.249 | ng/ul | 96 |
| 7) Acenaphthylene | 14.00 | 152 | 9652 | 1.188 | ng/ul# | 82 |
| 8) Acenaphthene | 14.34 | 153 | 9668 | 1.454 | ng/ul | 97 |
| 9) Fluorene | 15.34 | 166 | 9244 | 1.252 | ng/ul | 98 |
| 11) Pentachlorophenol | 16.70 | 266 | 176 | 0.230 | ng/ul | 87 |
| 12) Phenanthrene | 17.07 | 178 | 219146 | 18.184 | ng/ul | 96 |
| 13) Anthracene | 17.17 | 178 | 39025 | 3.796 | ng/ul | 95 |
| 15) Fluoranthene | 19.10 | 202 | 667366 | 41.338 | ng/ul | 93 |
| 17) Pyrene | 19.46 | 202 | 589594 | 32.915 | ng/ul | 97 |
| 18) Benzo(a)anthracene | 21.22 | 228 | 312442 | 20.039 | ng/ul | 99 |
| 19) Chrysene | 21.27 | 228 | 368832 | 18.393 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.79 | 252 | 538818m | 25.072 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 183350m | 7.539 | ng/ul | |
| 23) Benzo(a)pyrene | 23.35 | 252 | 337947 | 15.463 | ng/ul# | 74 |
| 24) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 258894 | 9.921 | ng/ul# | 92 |
| 25) Dibenzo(a,h)anthracene | 25.66 | 278 | 65558m | 3.108 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.34 | 276 | 220157 | 9.371 | ng/ul | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\
Data File : BM021896.D
Acq On : 07 Aug 2019 15:13
Operator : HP/JU
Sample : K3893-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 07 16:40:31 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

**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

**Manual Integrations APPROVED**
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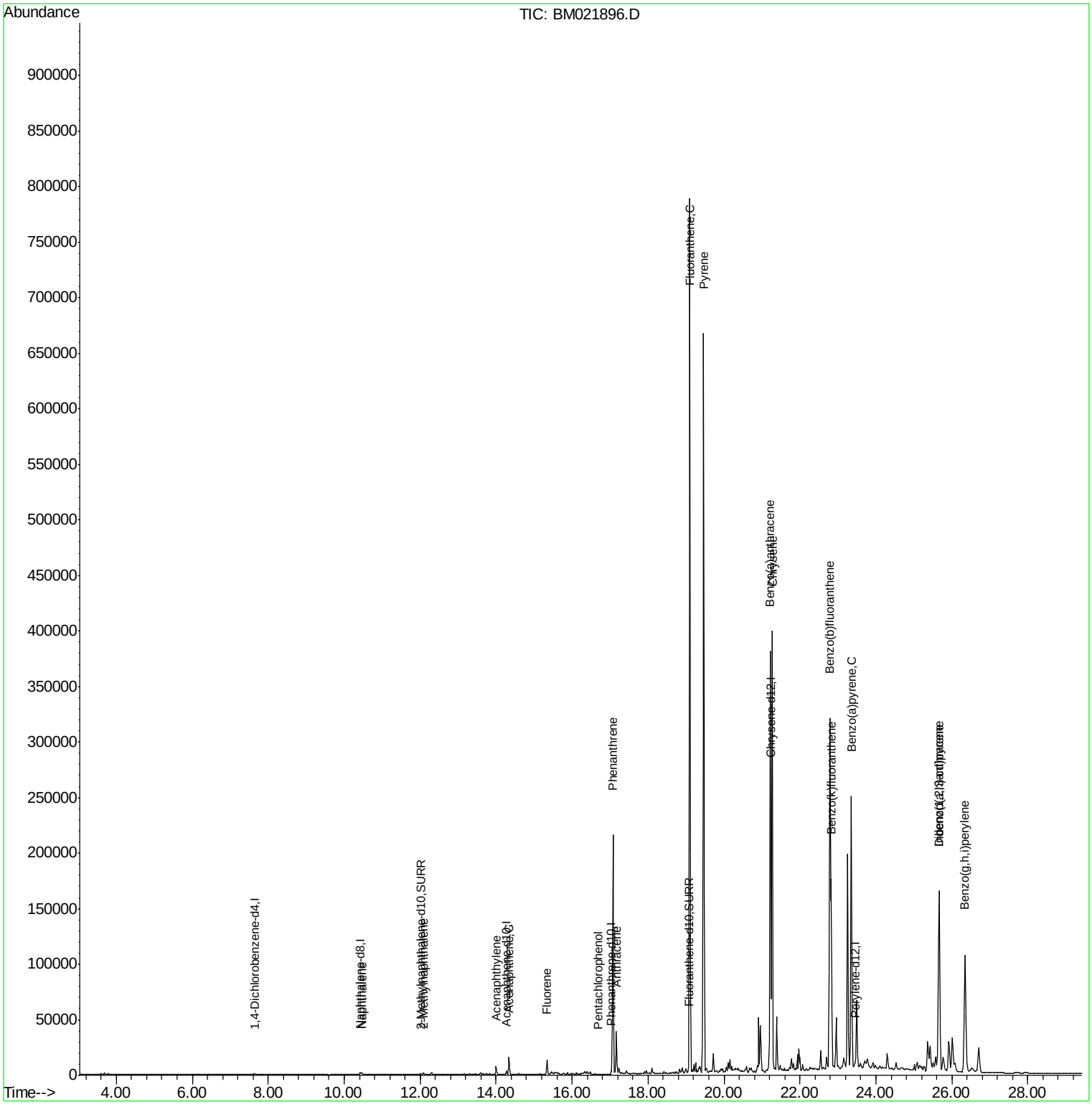

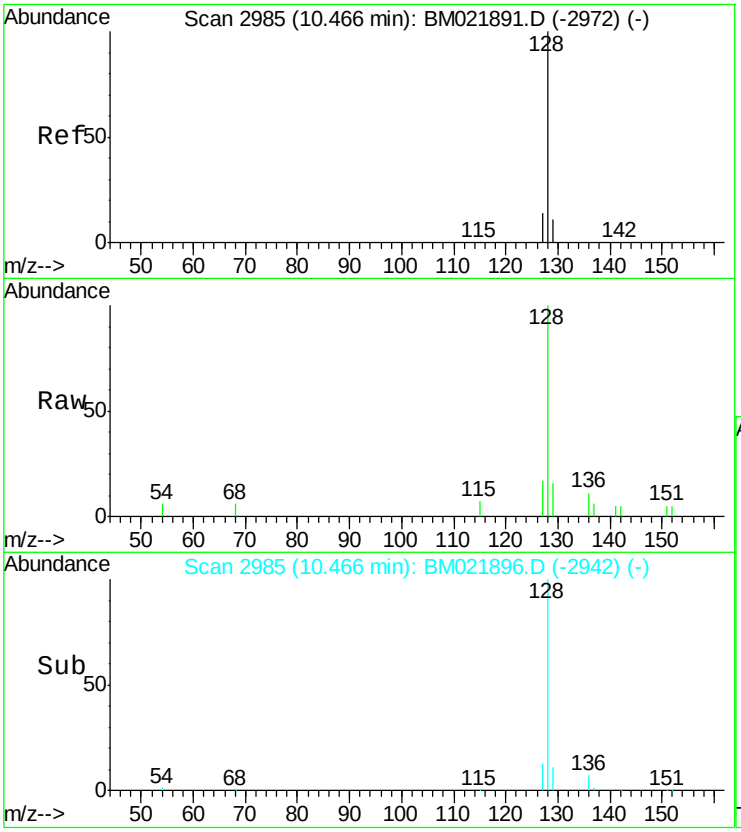


#3
Naphthalene
Concen: 0.297 ng/ul
RT: 10.47 min Scan# 2985
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:128 Resp: 2534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.6 | 12.3 | 18.5 |
| 127 | 16.6 | 13.0 | 19.6 |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

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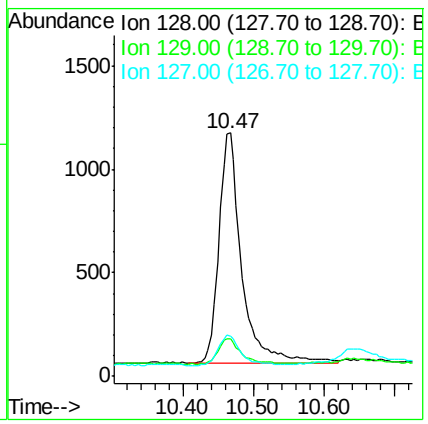
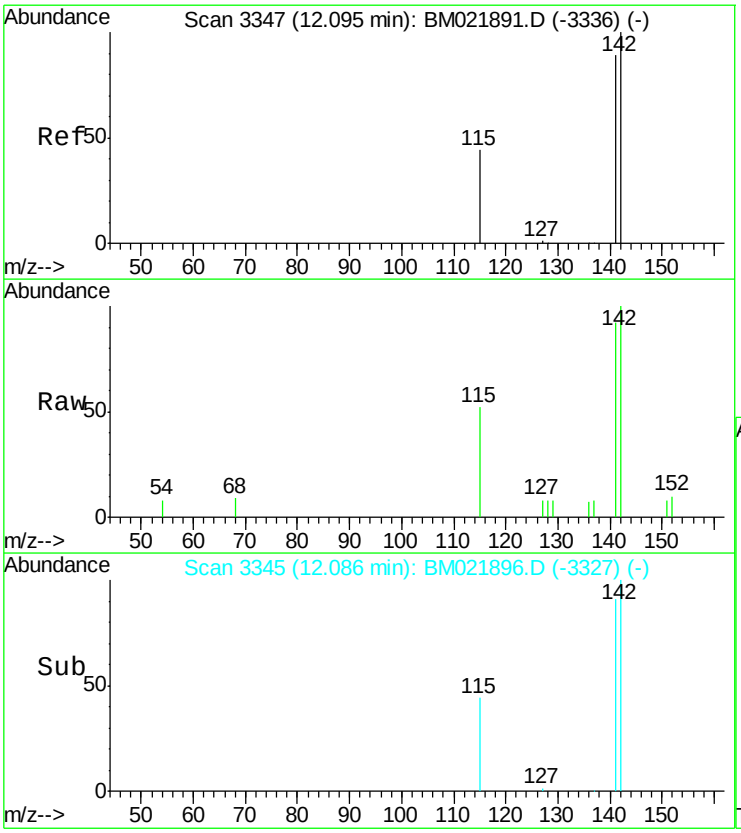
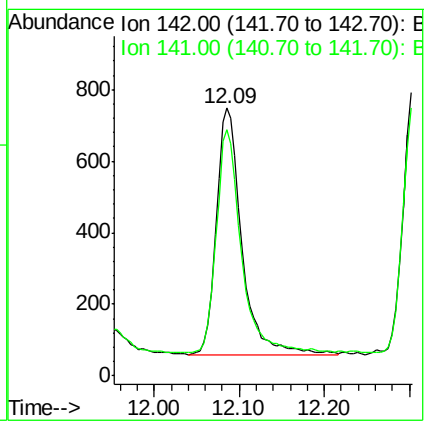


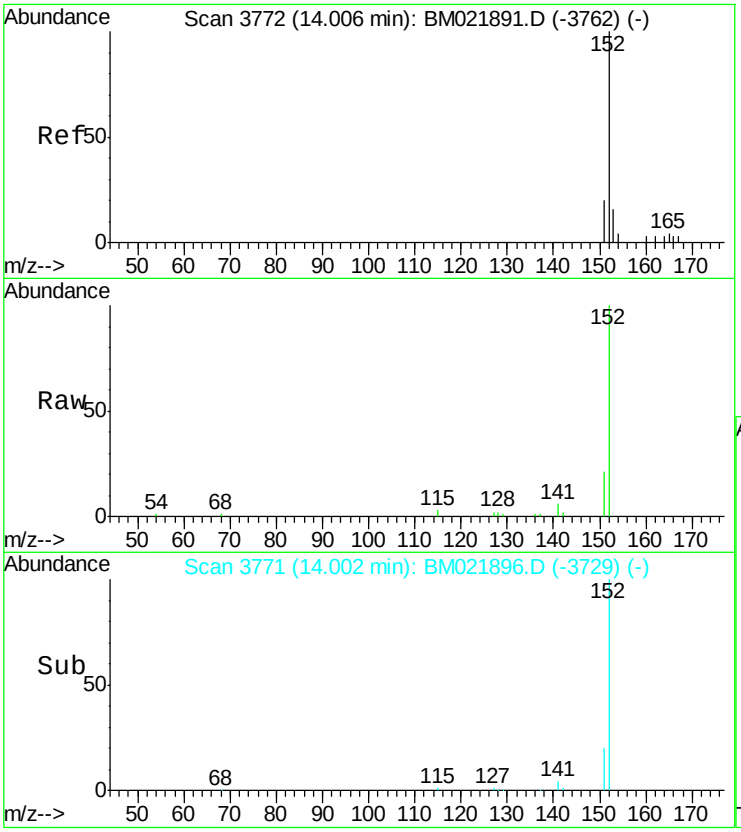




#5
2-Methylnaphthalene
Concen: 0.249 ng/ul
RT: 12.09 min Scan# 3345
Delta R.T. -0.02 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:142 Resp: 1418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.9 | 74.3 | 111.5 |






#7
Acenaphthylene
Concen: 1.188 ng/ul
RT: 14.00 min Scan# 3771
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:152 Resp: 9652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.9 | 18.3 | 27.5 |
| 153 | 0.0 | 12.8 | 19.2# |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

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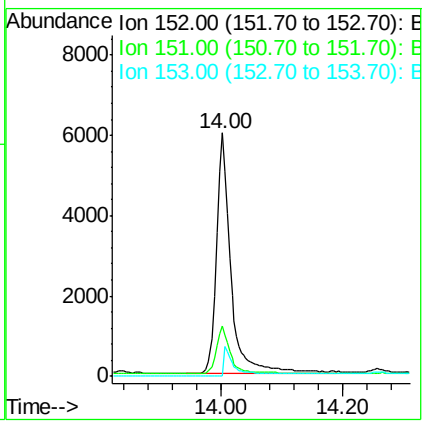
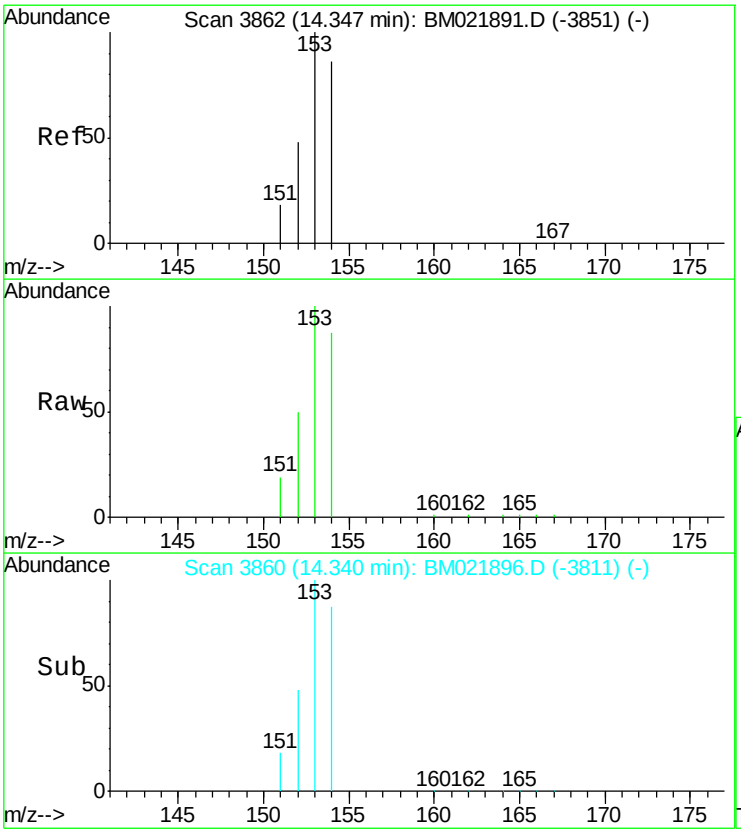
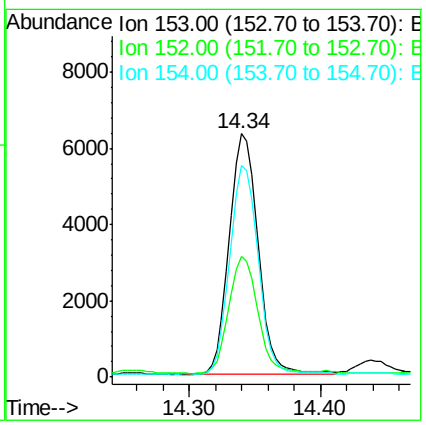


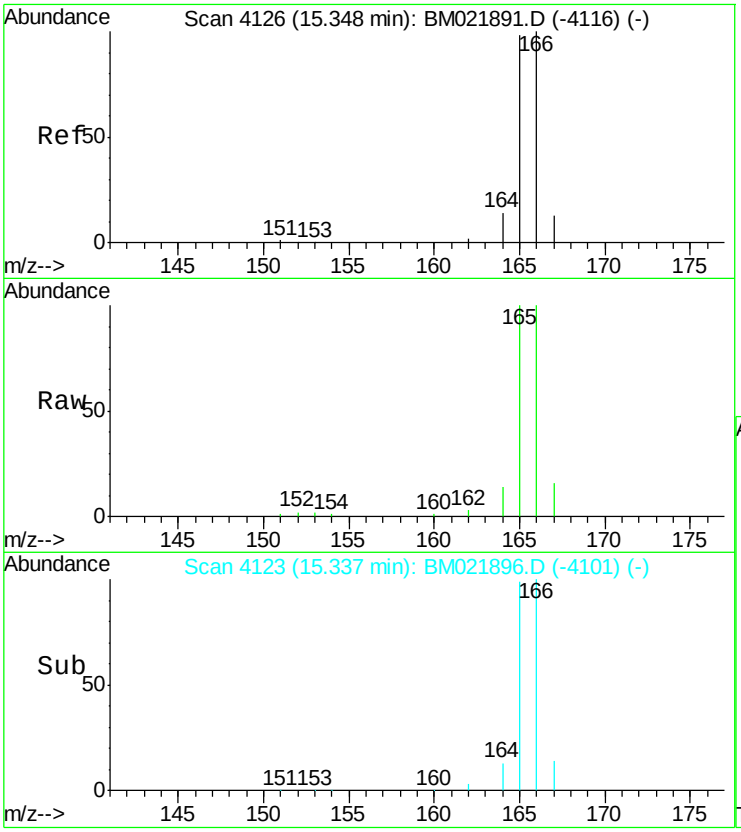




#8
Acenaphthene
Concen: 1.454 ng/ul
RT: 14.34 min Scan# 3860
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:153 Resp: 9668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.6 | 41.3 | 61.9 |
| 154 | 86.8 | 72.3 | 108.5 |

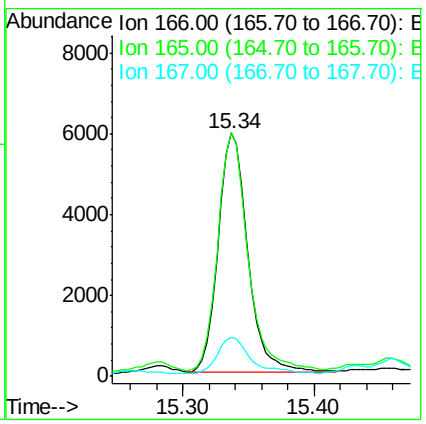





#9
Fluorene
Concen: 1.252 ng/ul
RT: 15.34 min Scan# 4123
Delta R.T. -0.02 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:166 Resp: 9244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.0 | 81.4 | 122.0 |
| 167 | 16.1 | 13.7 | 20.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

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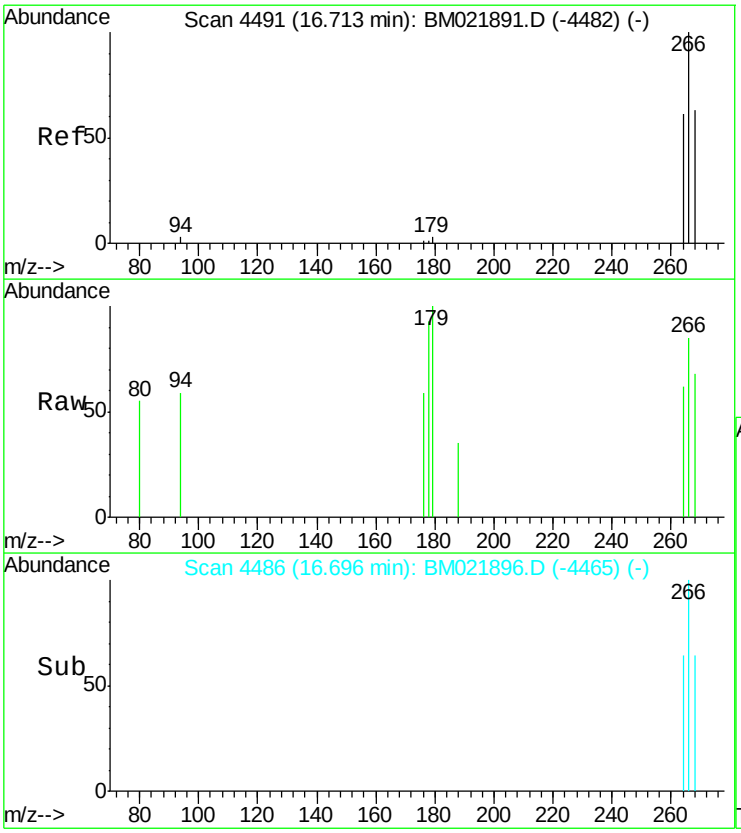
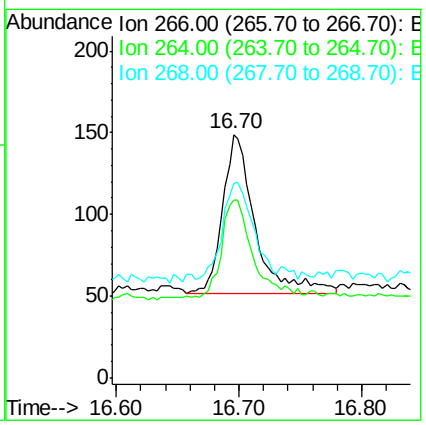
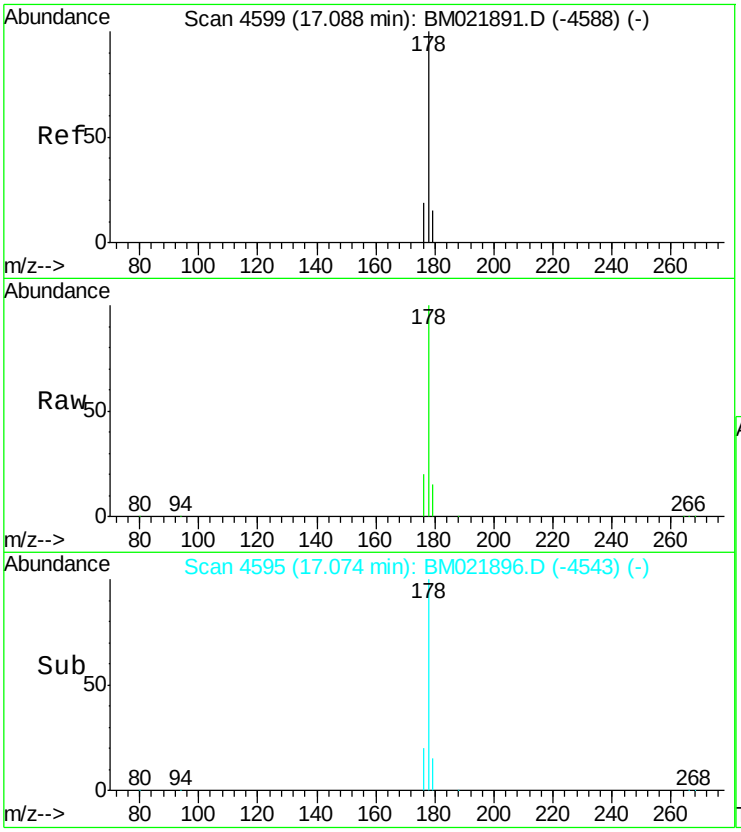



#11
Pentachlorophenol
Concen: 0.230 ng/ul
RT: 16.70 min Scan# 4486
Delta R.T. -0.03 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:266 Resp: 176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 60.2 | 54.2 | 81.2 |
| 268 | 58.5 | 57.6 | 86.4 |

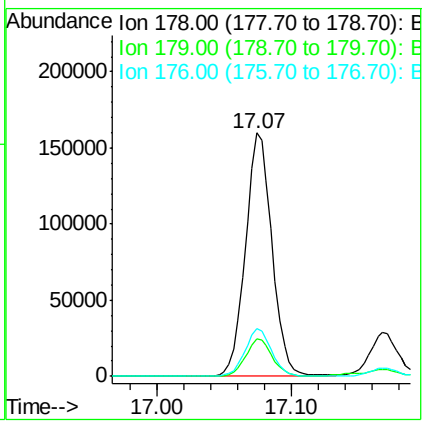





#12
Phenanthrene
Concen: 18.184 ng/ul
RT: 17.07 min Scan# 4595
Delta R.T. -0.02 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:178 Resp: 219146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 14.2 | 21.2 |
| 176 | 19.6 | 16.8 | 25.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

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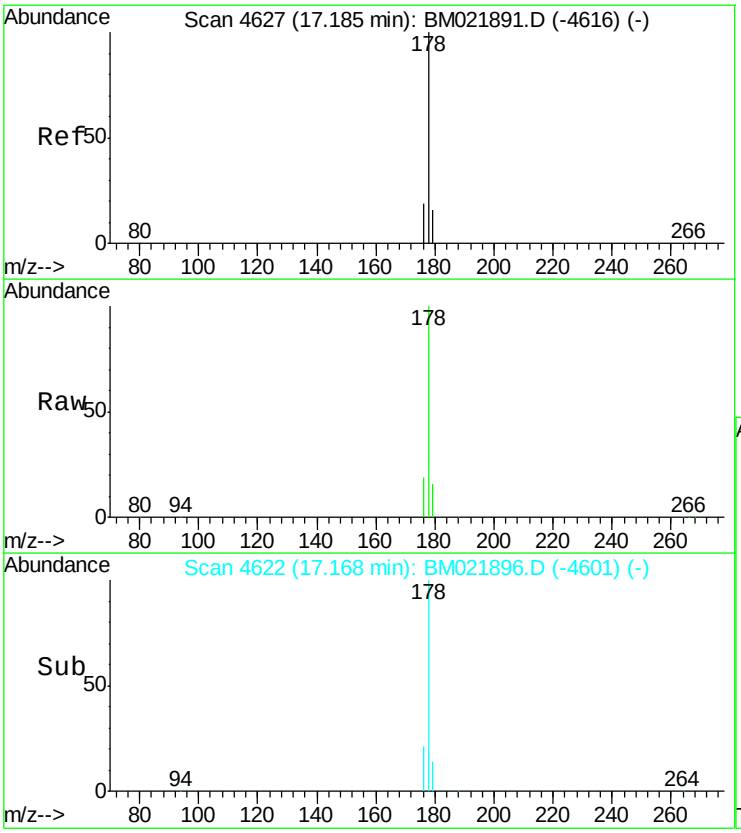
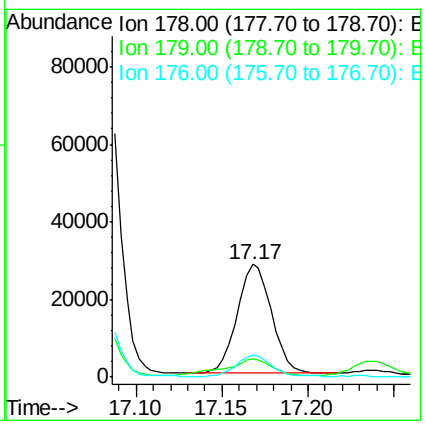
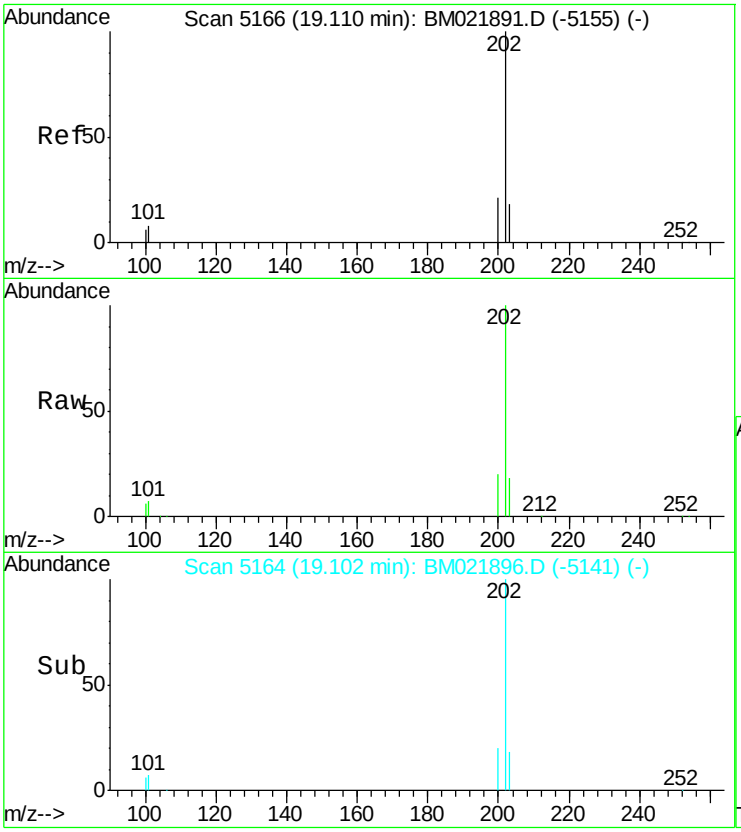



#13
Anthracene
Concen: 3.796 ng/ul
RT: 17.17 min Scan# 4622
Delta R.T. -0.03 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:178 Resp: 39025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 15.5 | 23.3 |
| 176 | 19.3 | 16.6 | 25.0 |

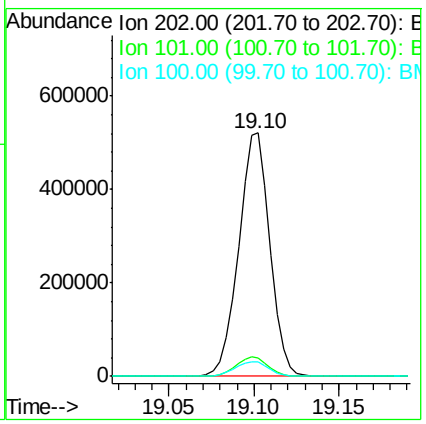





#15
Fluoranthene
Concen: 41.338 ng/ul
RT: 19.10 min Scan# 5164
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:202 Resp: 667366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.5 | 0.0 | 30.2 |
| 100 | 5.8 | 0.0 | 28.1 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

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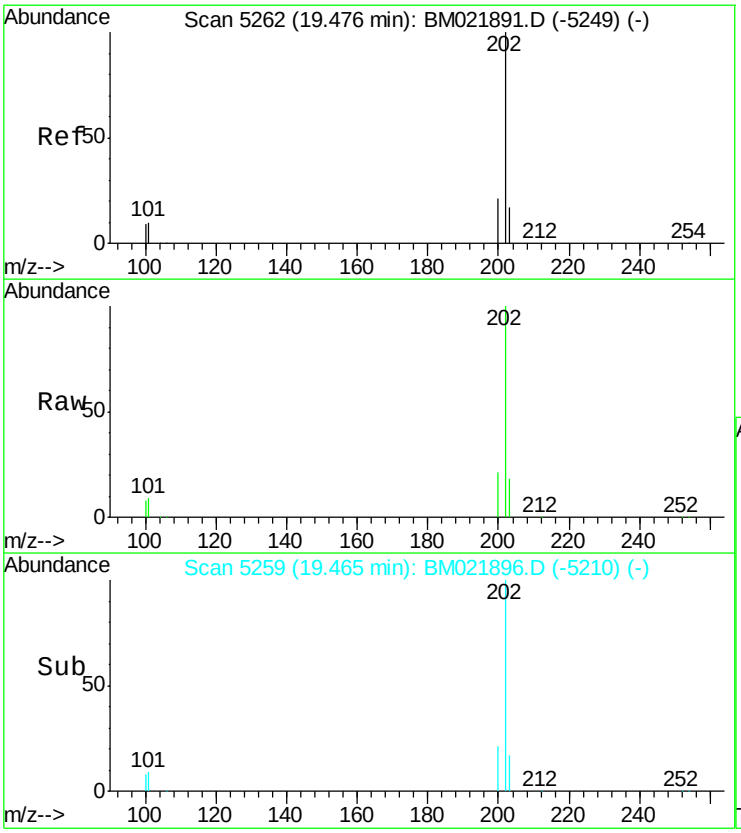
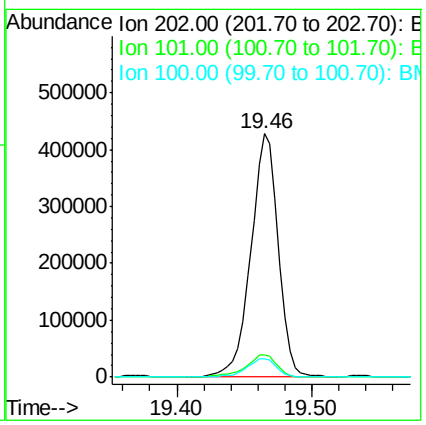
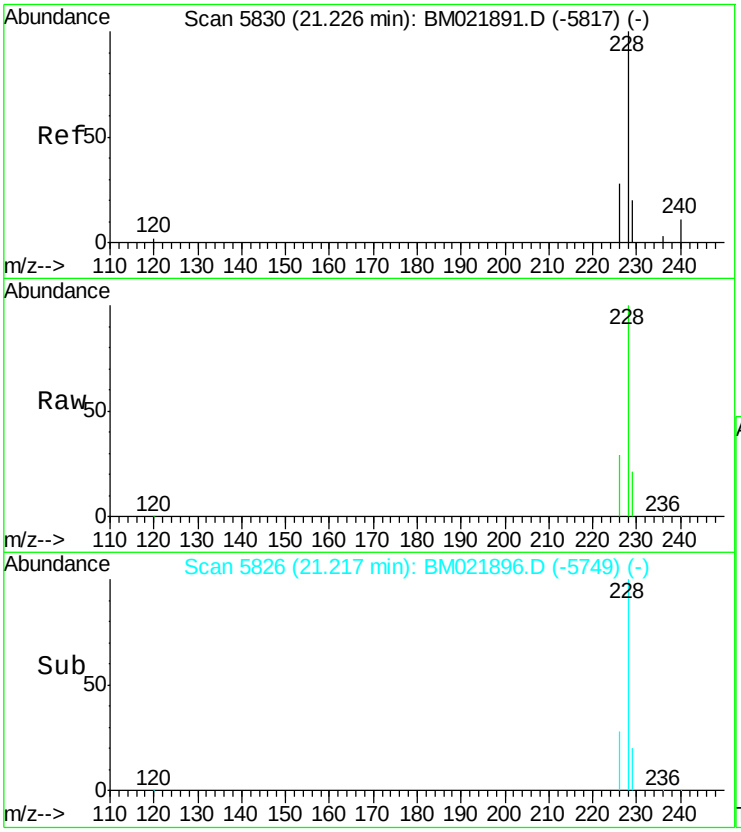



#17
Pyrene
Concen: 32.915 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:202 Resp: 589594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.3 | 8.3 | 12.5 |
| 100 | 7.8 | 7.2 | 10.8 |

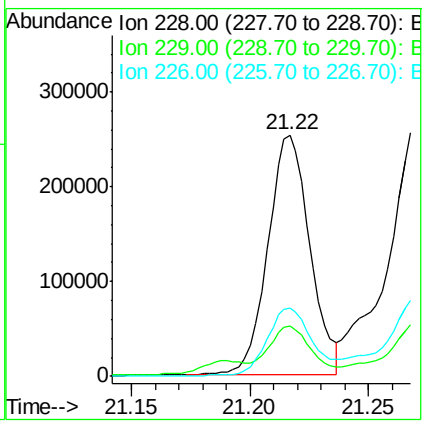





#18
Benzo(a)anthracene
Concen: 20.039 ng/ul
RT: 21.22 min Scan# 5826
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:228 Resp: 312442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.7 | 17.2 | 25.8 |
| 226 | 28.5 | 22.6 | 34.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

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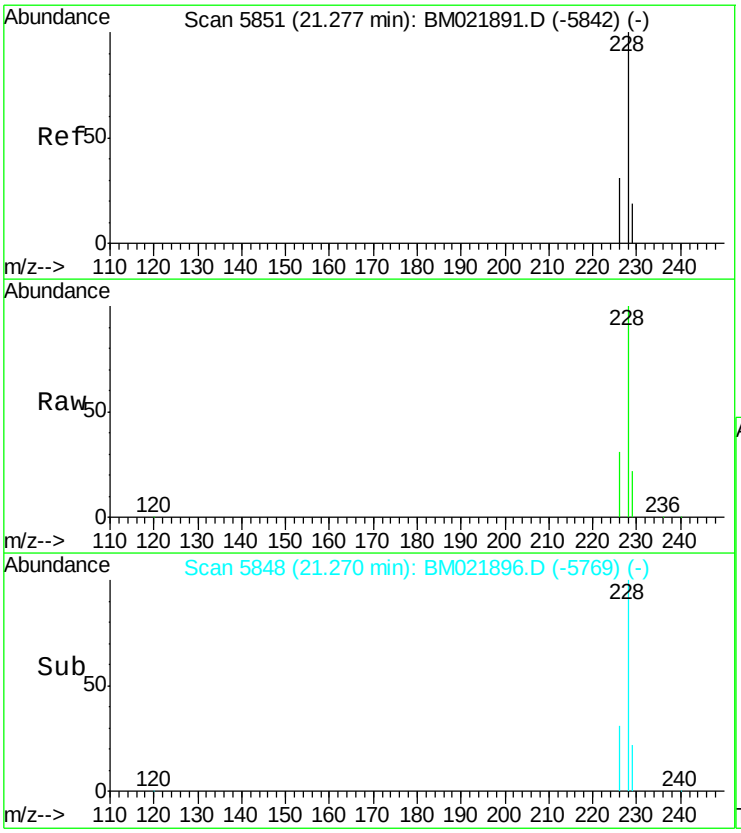
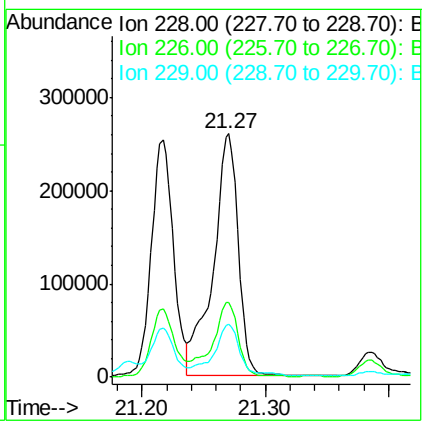
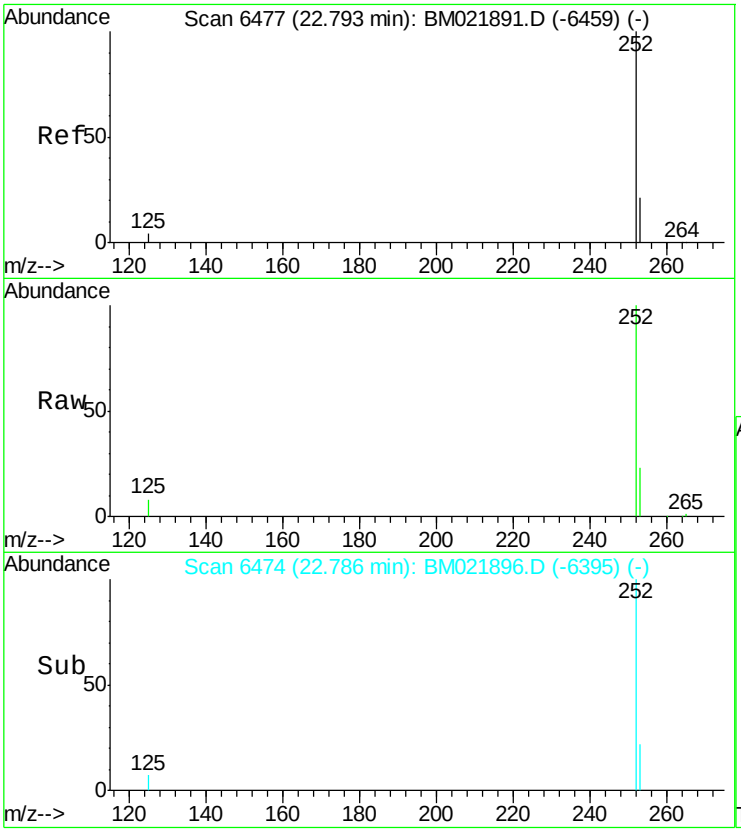



#19
Chrysene
Concen: 18.393 ng/ul
RT: 21.27 min Scan# 5848
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:228 Resp: 368832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.9 | 24.9 | 37.3 |
| 229 | 21.9 | 16.6 | 25.0 |

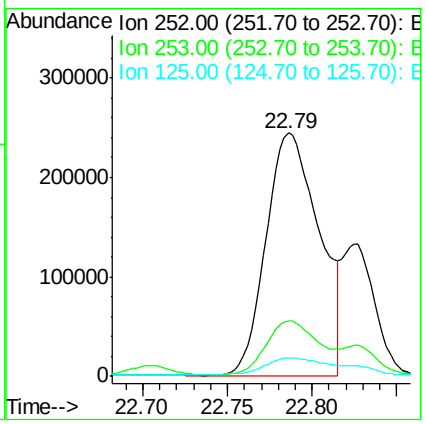





#21
Benzo(b)fluoranthene
Concen: 25.072 ng/ul m
RT: 22.79 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:252 Resp: 538818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 0.0 | 67.4 |
| 125 | 7.6 | 0.0 | 31.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

**Manual Integrations APPROVED**
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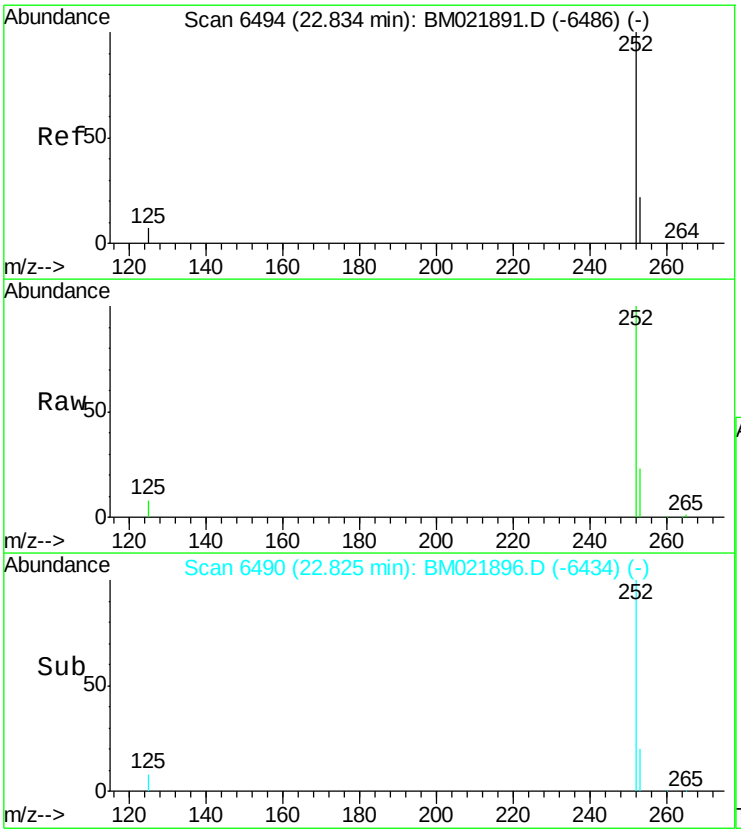
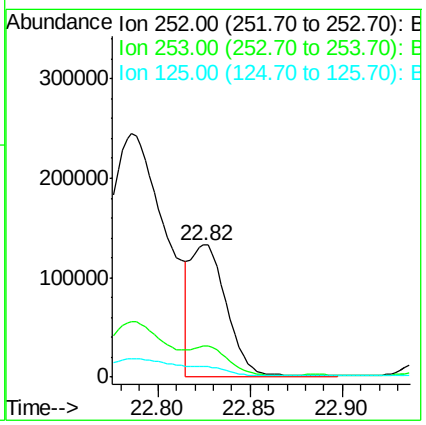
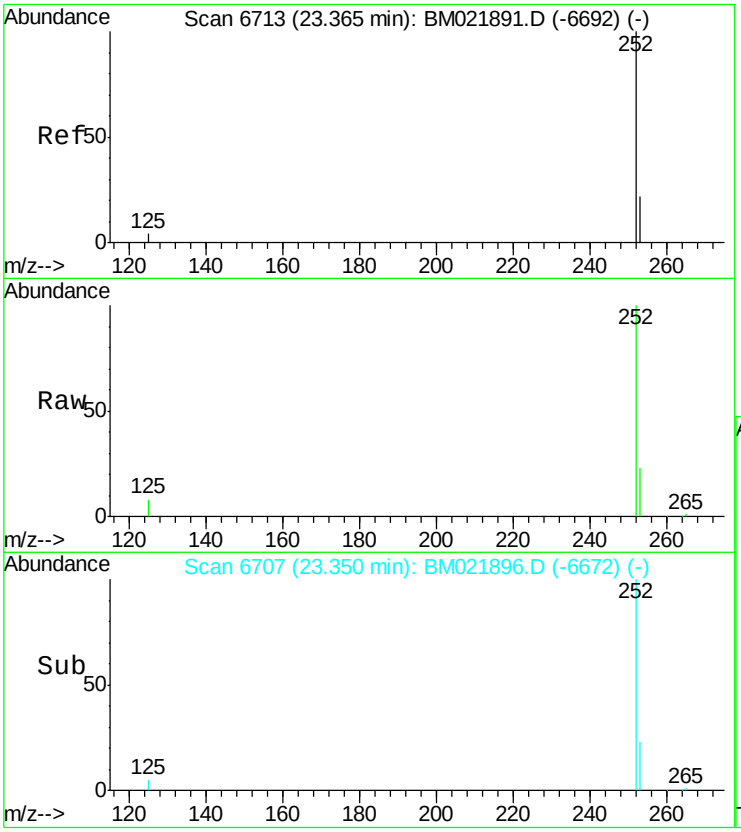



#22
Benzo(k)fluoranthene
Concen: 7.539 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:252 Resp: 183350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 27.0 | 40.4# |
| 125 | 8.3 | 12.2 | 18.2# |






#23
Benzo(a)pyrene
Concen: 15.463 ng/ul
RT: 23.35 min Scan# 6707
Delta R.T. -0.01 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:252 Resp: 337947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 31.7 | 47.5# |
| 125 | 8.1 | 14.6 | 21.8# |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

**Manual Integrations APPROVED**
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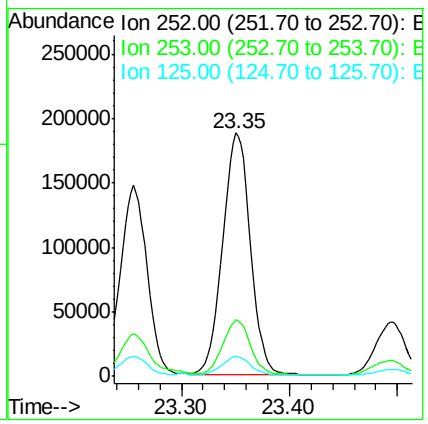
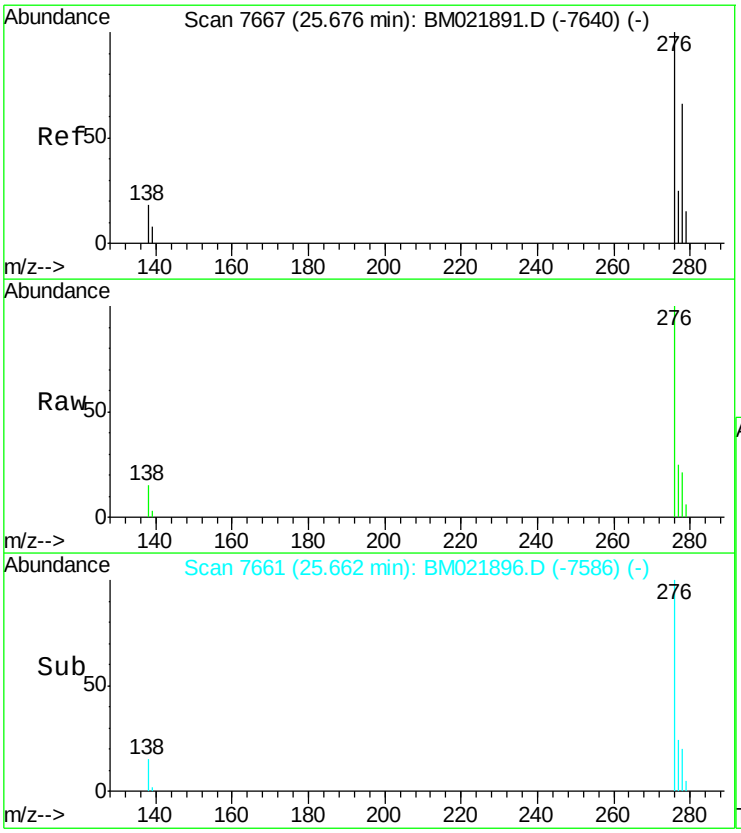
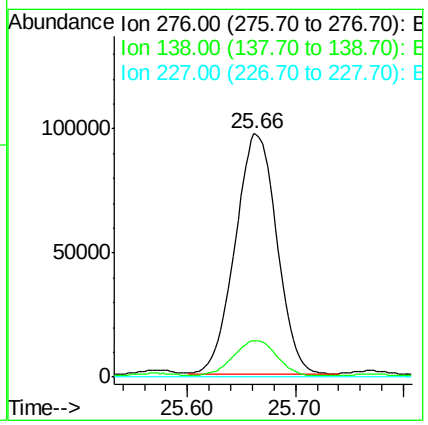


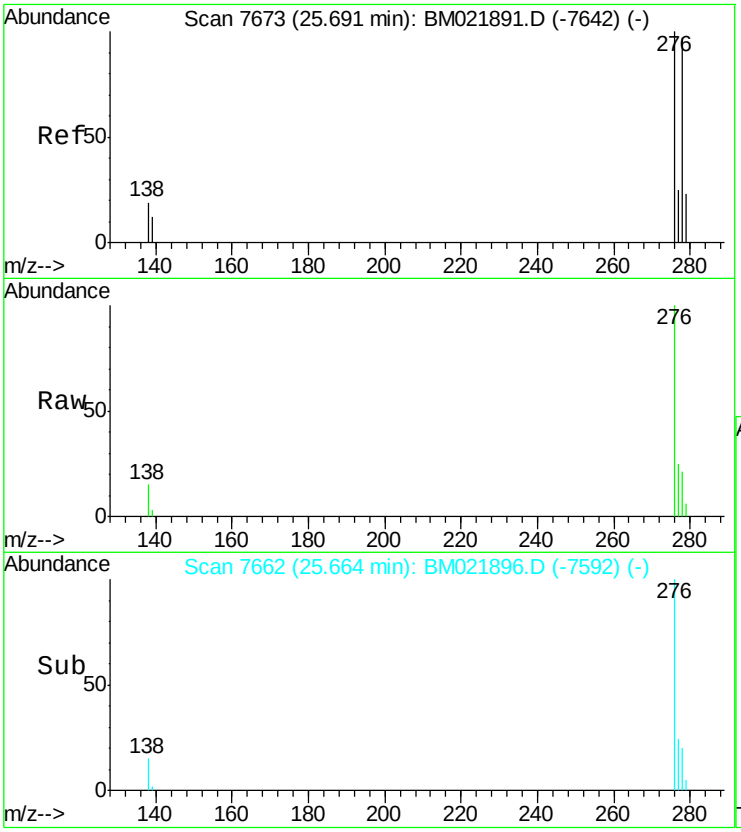




#24
Indeno(1,2,3-cd)pyrene
Concen: 9.921 ng/ul
RT: 25.66 min Scan# 7661
Delta R.T. -0.02 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:276 Resp: 258894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.2 | 15.1 | 22.7 |
| 227 | 0.0 | 0.0 | 0.0 |





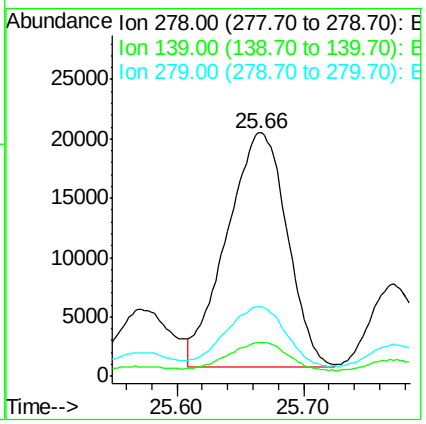

#25
Dibenzo(a,h)anthracene
Concen: 3.108 ng/ul m
RT: 25.66 min Scan# 7662
Delta R.T. -0.03 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

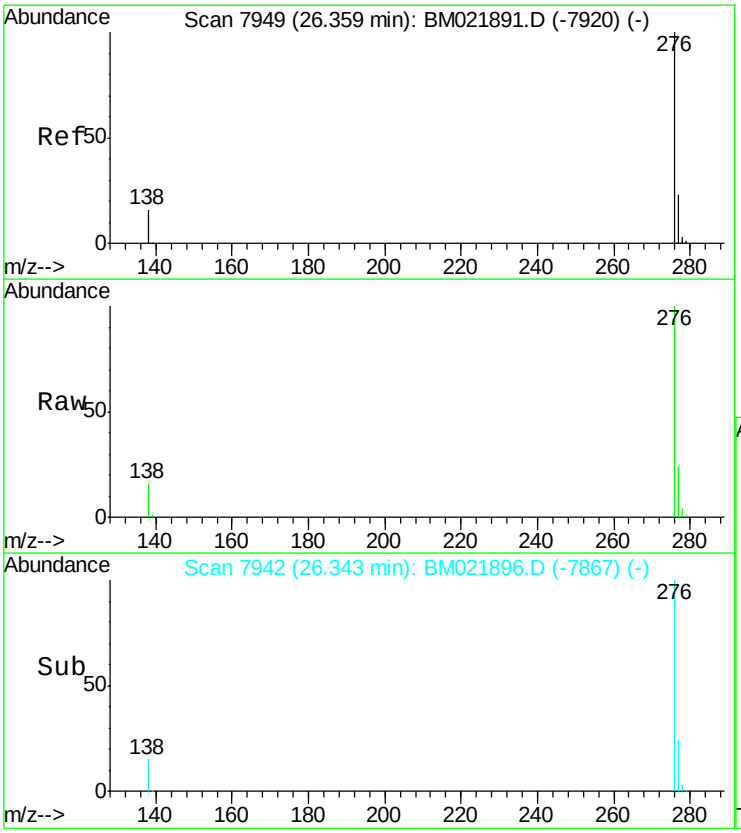
Tgt Ion:278 Resp: 65558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.7 | 14.2 | 21.2# |
| 279 | 28.8 | 28.3 | 42.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP11MS

**Manual Integrations APPROVED**
mohammad
8/7/2019 11:52:36 PM




#26
Benzo(g,h,i)perylene
Concen: 9.371 ng/ul
RT: 26.34 min Scan# 7942
Delta R.T. -0.02 min
Lab File: BM021896.D
Acq: 07 Aug 2019 15:13

Tgt Ion:276 Resp: 220157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.7 | 15.5 | 23.3 |
| 277 | 24.4 | 21.4 | 32.2 |