Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071919\
Data File : BN006923.D
Acq On : 19 Jul 2019 14:26
Operator : HP/JU
Sample : K3764-15
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
A52F9

Manual Integrations APPROVED
mohammad
7/22/2019 10:02:47 AM

Quant Time: Jul 19 23:48:06 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 19 23:29:55 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 2244 | 0.40 | ng/ul | -0.01 |
| 2) Naphthalene-d8 | 10.36 | 136 | 7974 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.24 | 164 | 4037 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.01 | 188 | 8263m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.26 | 240 | 6498m | 0.40 | ng/ul | 0.02 |
| 20) Perylene-d12 | 23.49 | 264 | 5873m | 0.40 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.99 | 152 | 1648 | 0.13 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.06 | 212 | 4327m | 0.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 12) Phenanthrene | 17.04 | 178 | 2318 | 0.087 | ng/ul | 94 |
| 15) Fluoranthene | 19.09 | 202 | 6289m | 0.191 | ng/ul | |
| 17) Pyrene | 19.44 | 202 | 5505m | 0.185 | ng/ul | |
| 18) Benzo(a)anthracene | 21.24 | 228 | 1869m | 0.070 | ng/ul | |
| 19) Chrysene | 21.30 | 228 | 2713 | 0.091 | ng/ul# | 93 |
| 21) Benzo(b)fluoranthene | 22.83 | 252 | 3867m | 0.161 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.87 | 252 | 1467m | 0.058 | ng/ul | |
| 23) Benzo(a)pyrene | 23.38 | 252 | 2340m | 0.099 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 25.76 | 276 | 1904m | 0.080 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.43 | 276 | 1982m | 0.099 | ng/ul | |

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

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Misc :
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**Instrument :**
BNA_N
**ClientSampleId :**
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**Manual Integrations APPROVED**
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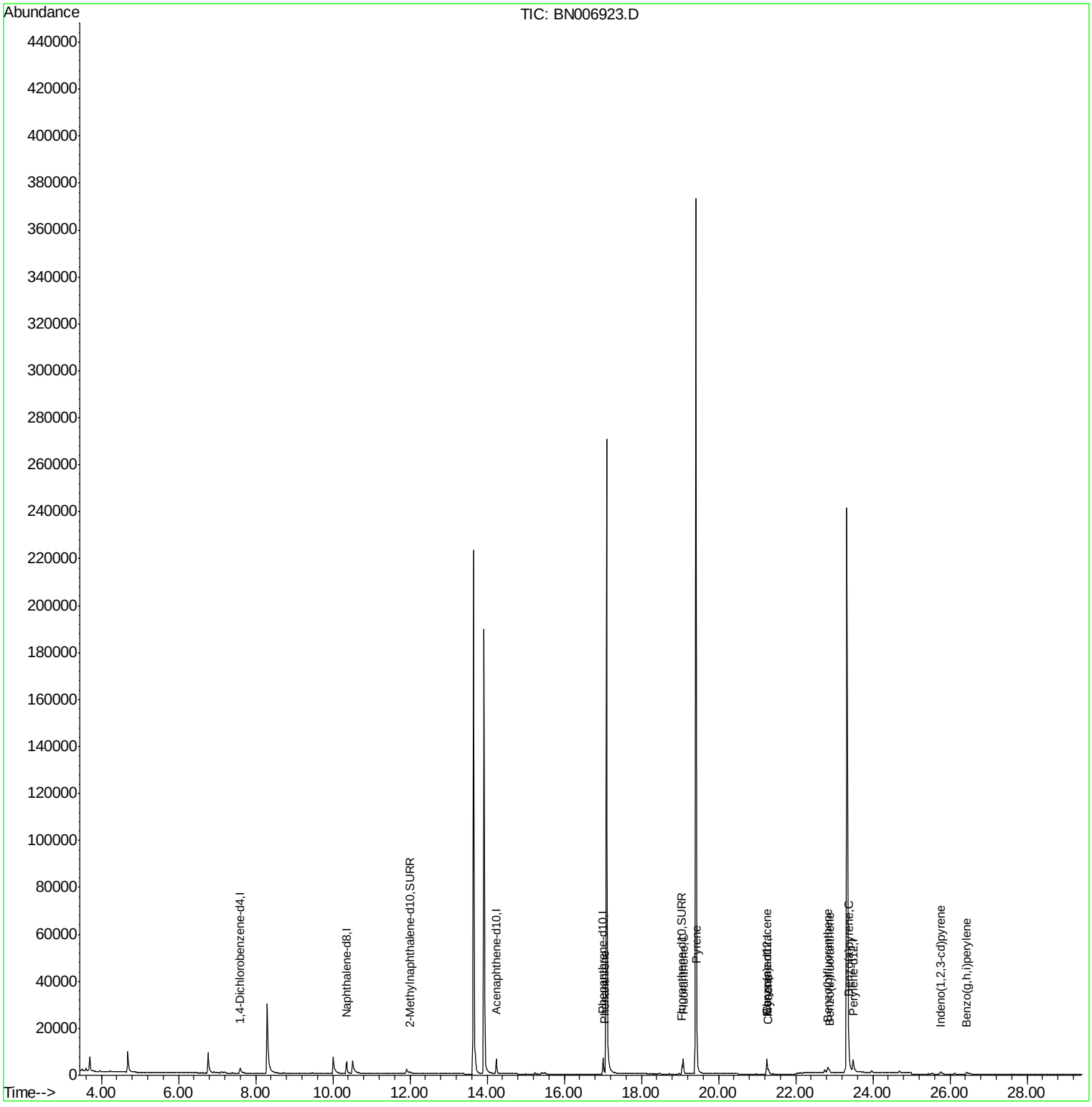
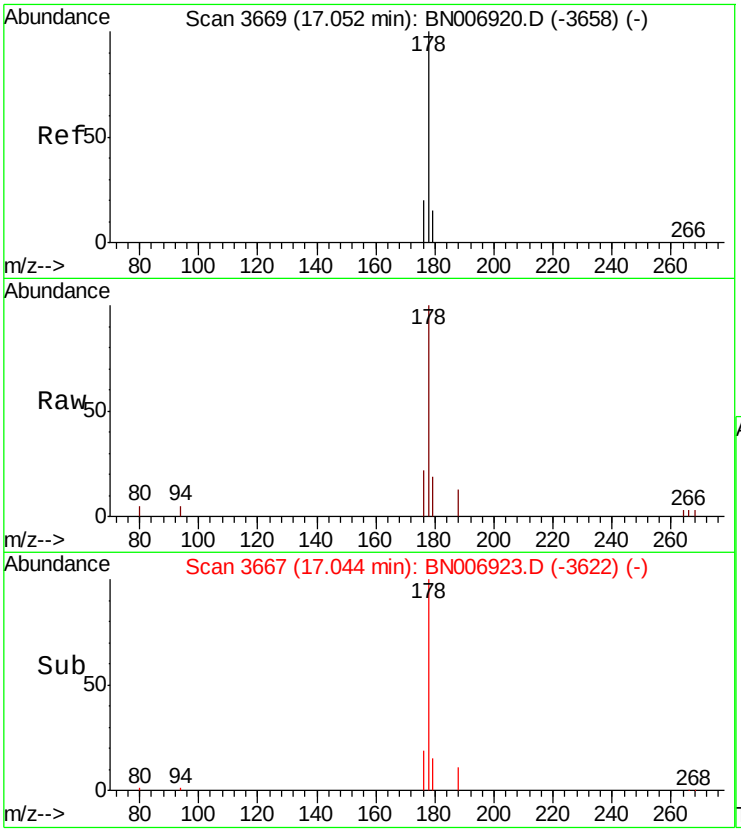
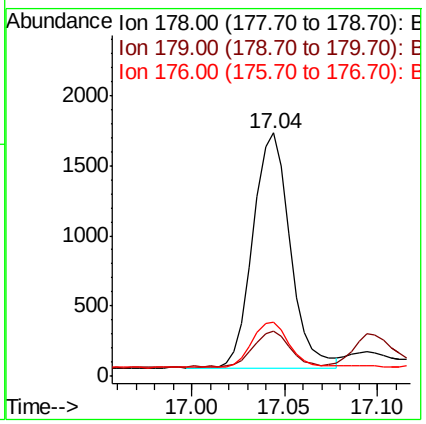





#12
Phenanthrene
Concen: 0.087 ng/ul
RT: 17.04 min Scan# 3667
Delta R.T. -0.01 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:178 Resp: 2318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.8 | 12.6 | 19.0 |
| 176 | 22.2 | 15.8 | 23.8 |




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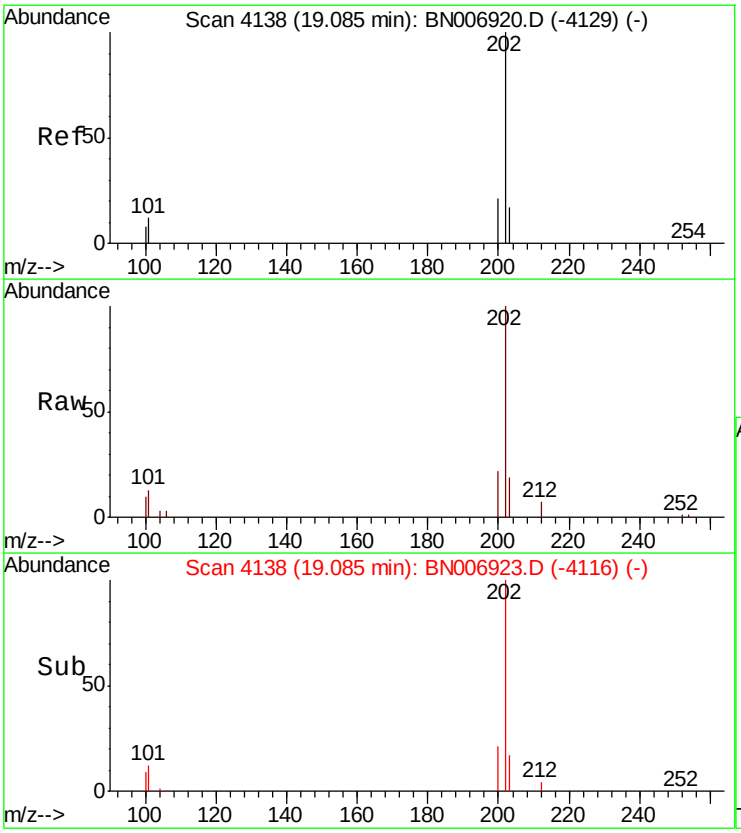
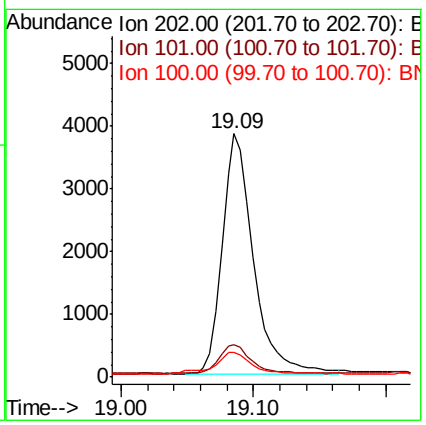
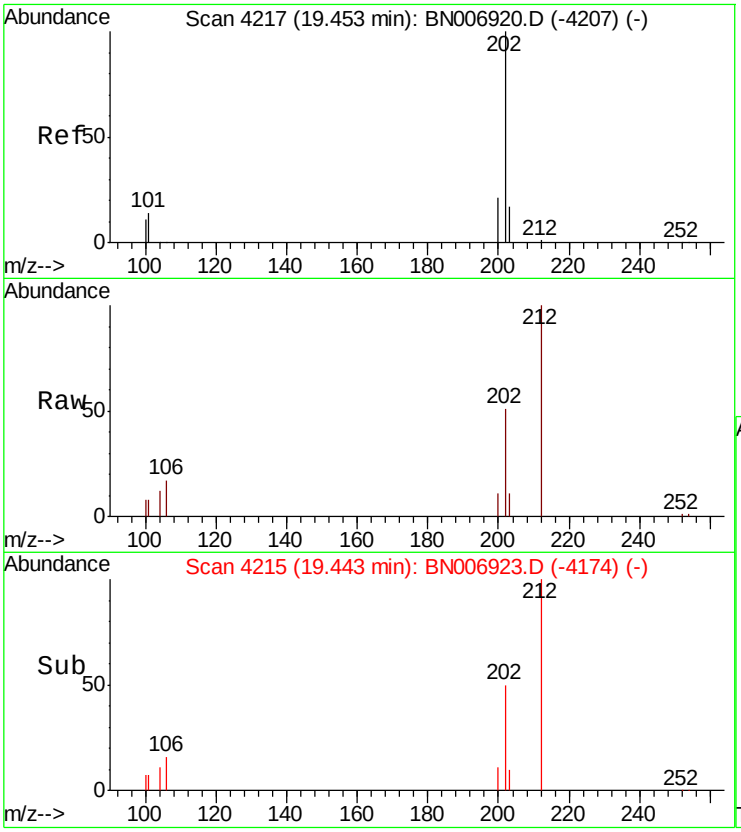



#15
Fluoranthene
Concen: 0.191 ng/ul m
RT: 19.09 min Scan# 4138
Delta R.T. -0.00 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:202 Resp: 6289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 0.0 | 33.2 |
| 100 | 10.3 | 0.0 | 29.9 |






#17
Pyrene
Concen: 0.185 ng/ul m
RT: 19.44 min Scan# 4215
Delta R.T. -0.01 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:202 Resp: 5505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.1 | 12.2 | 18.2 |
| 100 | 15.7 | 9.8 | 14.8# |

**Instrument :**
BNA_N
**ClientSampleId :**
A52F9

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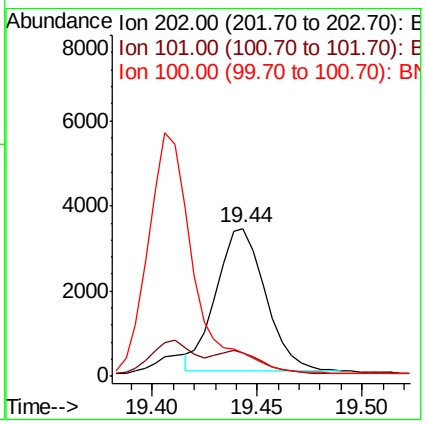
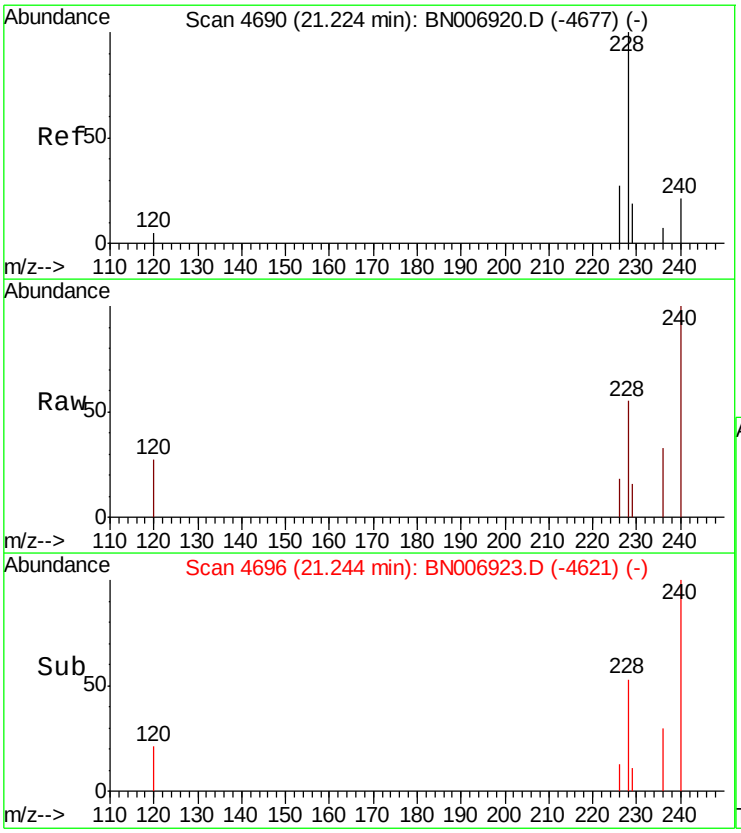
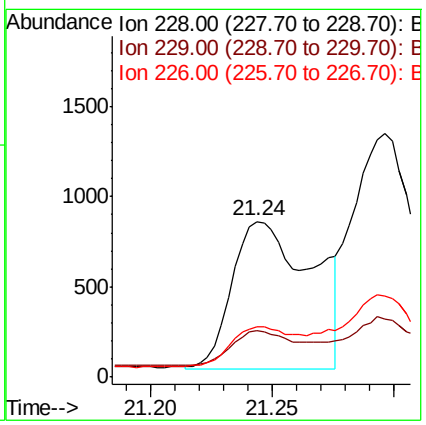


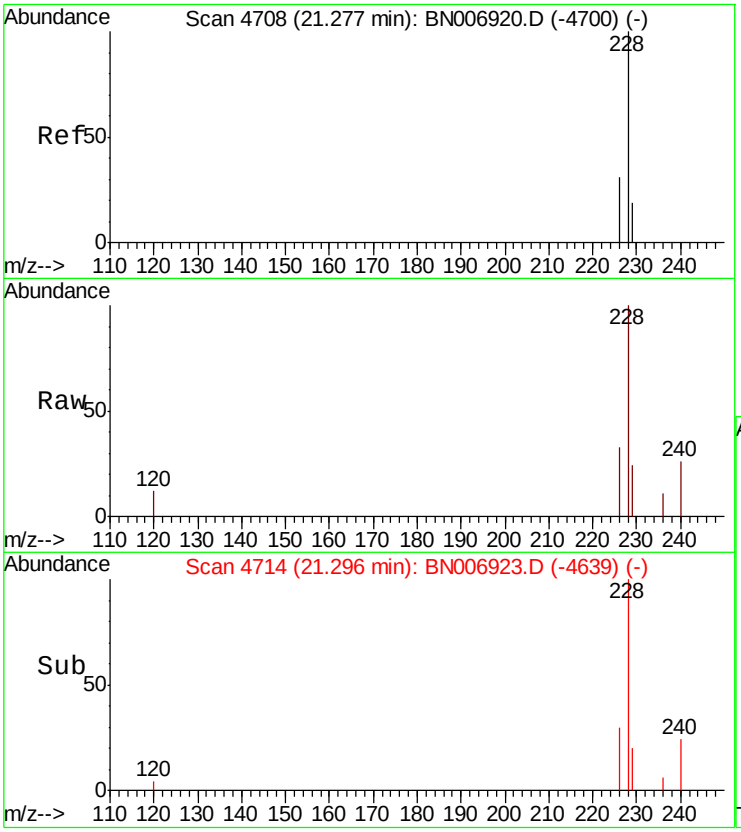




#18
Benzo(a)anthracene
Concen: 0.070 ng/ul m
RT: 21.24 min Scan# 4696
Delta R.T. 0.02 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:228 Resp: 1869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 29.4 | 15.9 | 23.9# |
| 226 | 32.3 | 22.6 | 34.0 |






#19
Chrysene
Concen: 0.091 ng/ul
RT: 21.30 min Scan# 4714
Delta R.T. 0.02 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:228 Resp: 2713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.2 | 24.2 | 36.4 |
| 229 | 23.9 | 15.5 | 23.3# |

**Instrument :**
BNA_N
**ClientSampleId :**
A52F9

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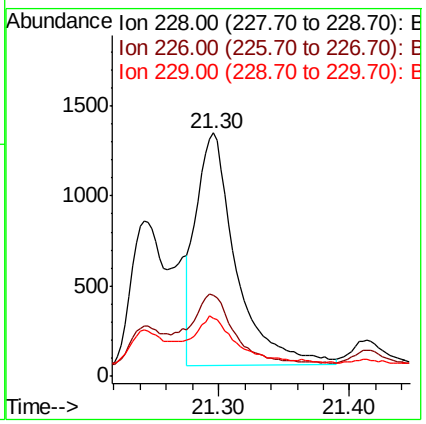
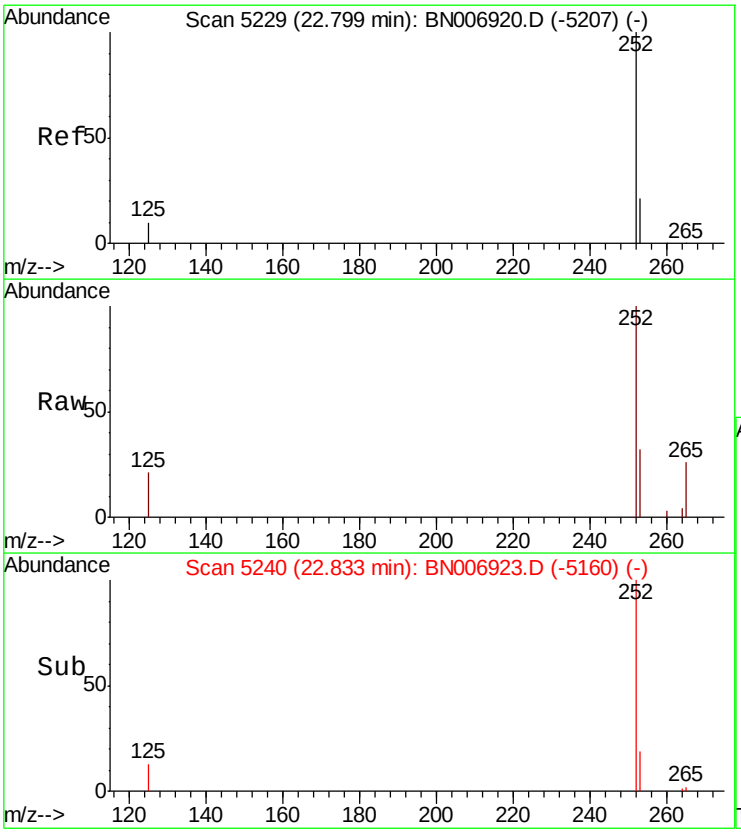
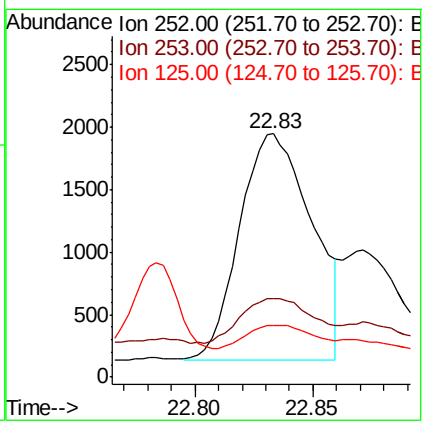


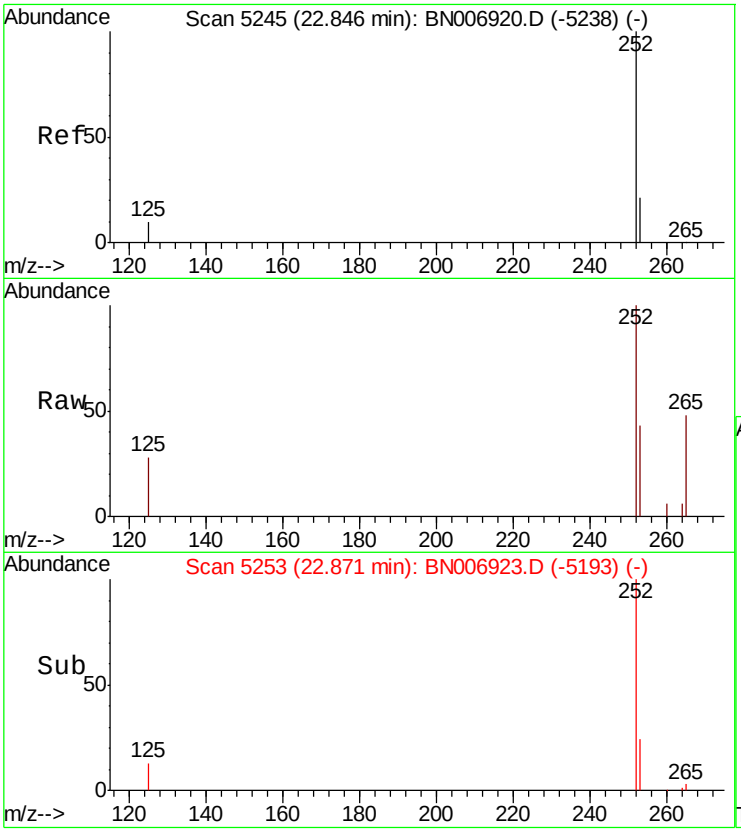




#21
Benzo(b)fluoranthene
Concen: 0.161 ng/ul m
RT: 22.83 min Scan# 5240
Delta R.T. 0.03 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:252 Resp: 3867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.4 | 0.0 | 47.8 |
| 125 | 21.1 | 0.0 | 29.2 |






#22
Benzo(k)fluoranthene
Concen: 0.058 ng/ul m
RT: 22.87 min Scan# 5253
Delta R.T. 0.03 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:252 Resp: 1467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 43.1 | 19.2 | 28.8# |
| 125 | 28.3 | 11.0 | 16.6# |

**Instrument :**
BNA_N
**ClientSampleId :**
A52F9

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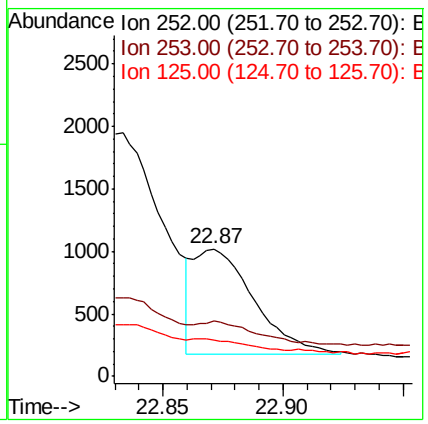
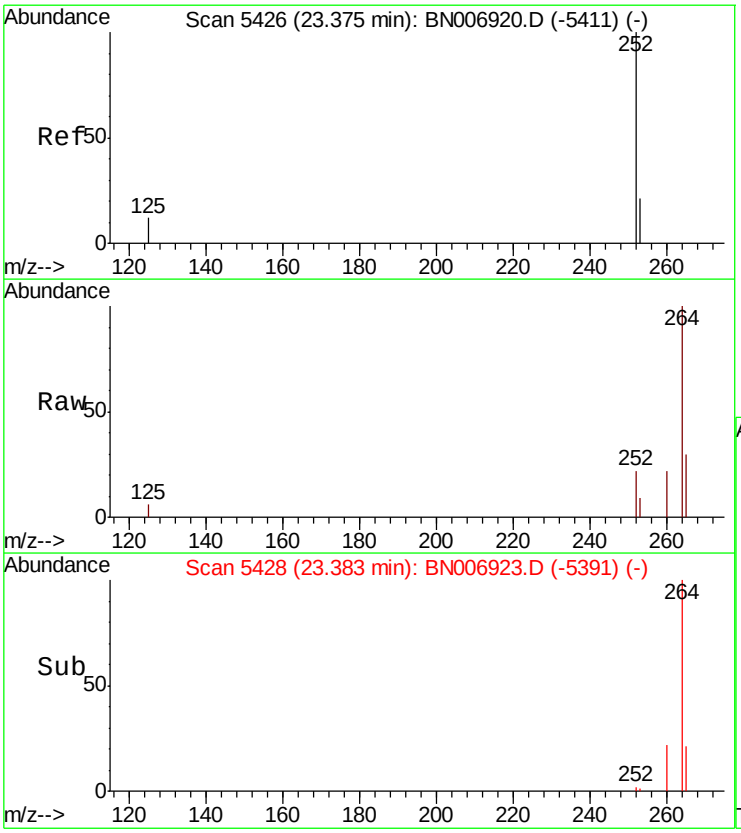
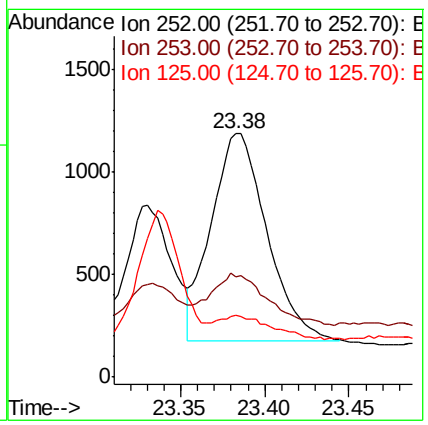


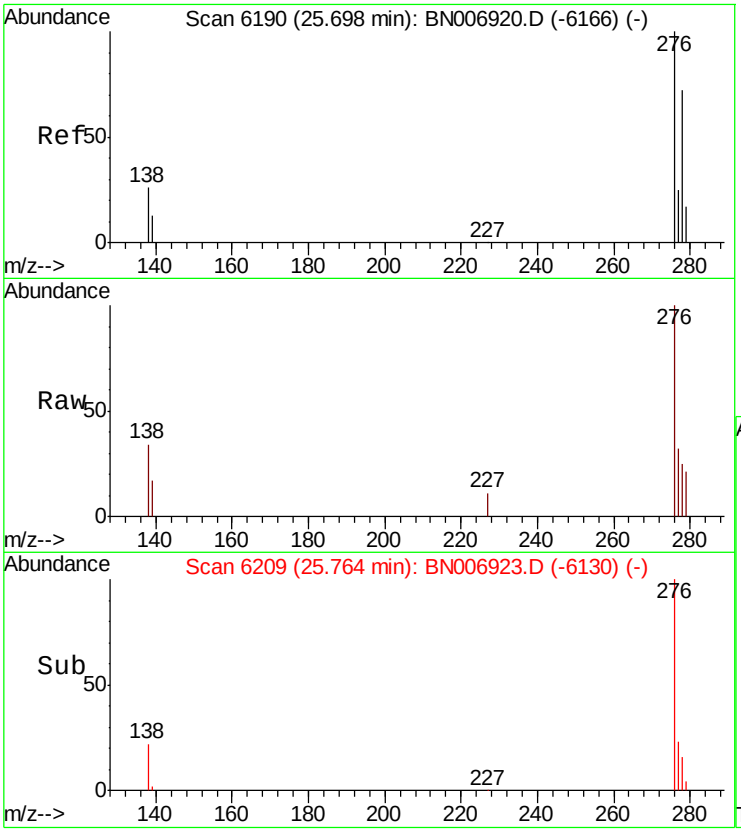




#23
Benzo(a)pyrene
Concen: 0.099 ng/ul m
RT: 23.38 min Scan# 5428
Delta R.T. 0.01 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:252 Resp: 2340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 41.0 | 19.4 | 29.2# |
| 125 | 25.3 | 12.6 | 19.0# |

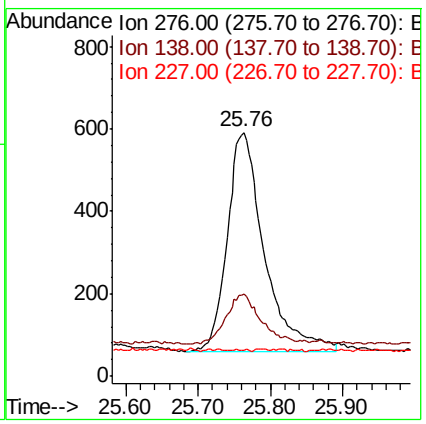





#24
Indeno(1,2,3-cd)pyrene
Concen: 0.080 ng/ul m
RT: 25.76 min Scan# 6209
Delta R.T. 0.07 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:276 Resp: 1904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 0.0 | 24.3 | 36.5# |
| 227 | 0.4 | 0.2 | 0.4# |




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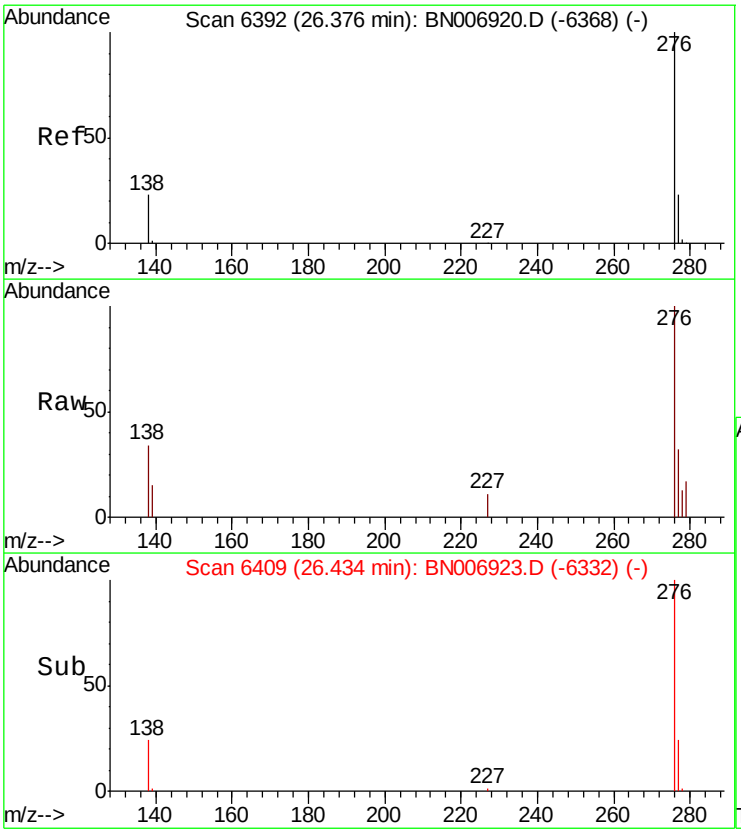


#26
Benzo(g,h,i)perylene
Concen: 0.099 ng/ul m
RT: 26.43 min Scan# 6409
Delta R.T. 0.06 min
Lab File: BN006923.D
Acq: 19 Jul 2019 14:26

Tgt Ion:276 Resp: 1982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.9 | 22.2 | 33.2# |
| 277 | 32.3 | 19.5 | 29.3# |