Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN031418\
Data File : BN000379.D
Acq On : 14 Mar 2018 17:57
Operator : JU/SJ
Sample : J1866-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
Sohil
3/15/2018 7:02:39 PM

Quant Time: Mar 15 07:14:07 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 15 07:02:49 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.45 | 152 | 205889 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.29 | 136 | 1013000 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.06 | 164 | 577571 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.79 | 188 | 1272628 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.90 | 240 | 1137993 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.39 | 264 | 1024463 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 14.76 | 160 | 1893520 | 33.03 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.05 | 176 | 1251436 | 32.24 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.88 | 188 | 1929036 | 32.44 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 20.14 | 212 | 2108111 | 37.87 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.23 | 264 | 1581204 | 33.80 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 13) Phenanthrene | 17.83 | 178 | 215507 | 2.953 | ng/ul | 100 |
| 16) Fluoranthene | 19.80 | 202 | 436042 | 5.530 | ng/ul# | 94 |
| 19) Pyrene | 20.16 | 202 | 388347 | 5.405 | ng/ul# | 89 |
| 20) Benzo(a)anthracene | 21.89 | 228 | 207148m | 2.928 | ng/ul | |
| 21) Chrysene | 21.94 | 228 | 195937m | 2.918 | ng/ul | |
| 23) Benzo(b)fluoranthene | 23.63 | 252 | 236914 | 3.878 | ng/ul# | 95 |
| 24) Benzo(k)fluoranthene | 23.67 | 252 | 70968m | 1.241 | ng/ul | |
| 26) Benzo(a)pyrene | 24.27 | 252 | 157751 | 2.713 | ng/ul# | 91 |
| 27) Indeno(1,2,3-cd)pyrene | 26.94 | 276 | 97950 | 1.562 | ng/ul# | 85 |
| 29) Benzo(g,h,i)perylene | 27.74 | 276 | 112998 | 2.159 | ng/ul# | 87 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_N\DATA\BN031418\
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Acq On : 14 Mar 2018 17:57
Operator : JU/SJ
Sample : J1866-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 15 07:14:07 2018
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
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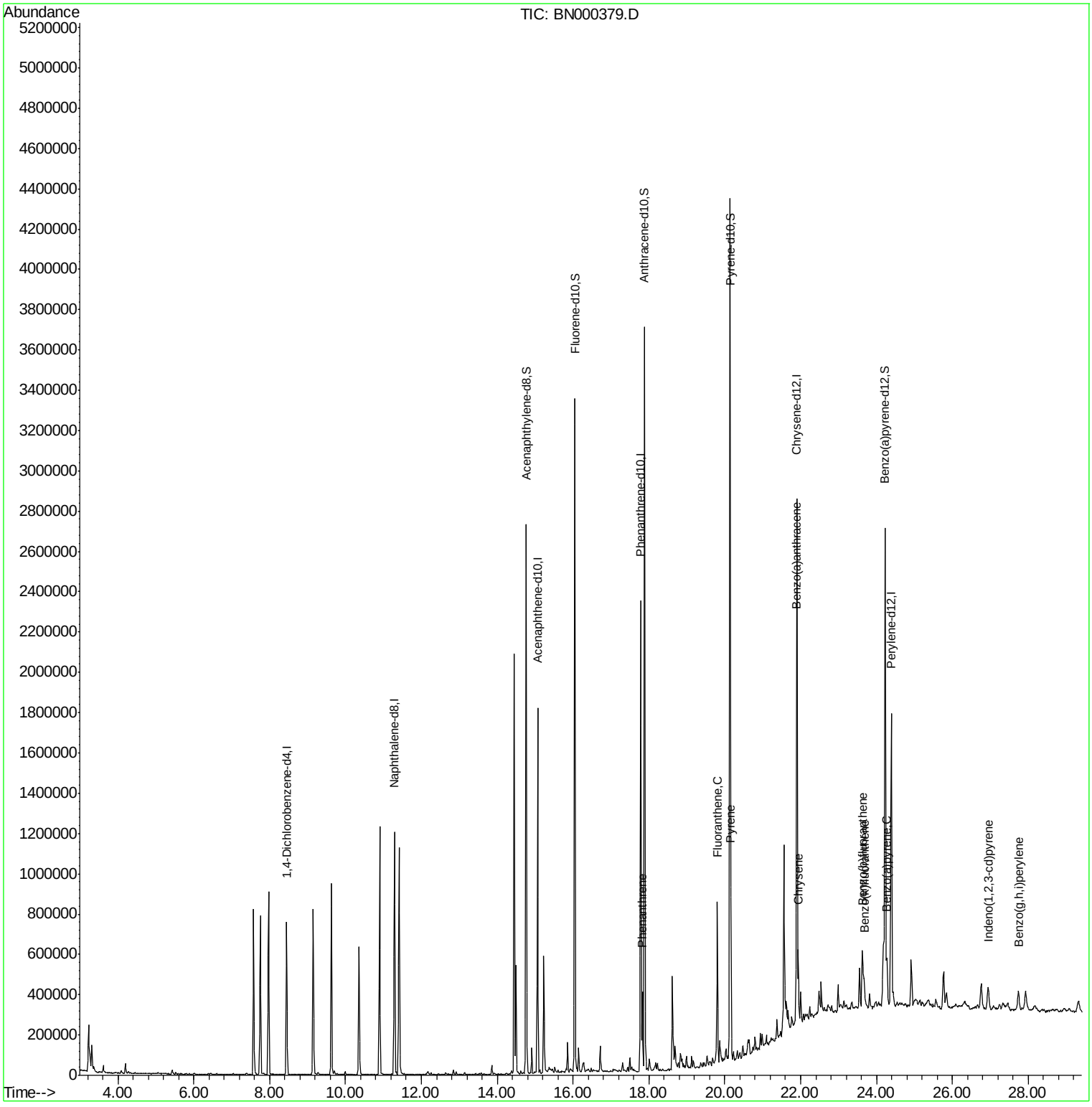
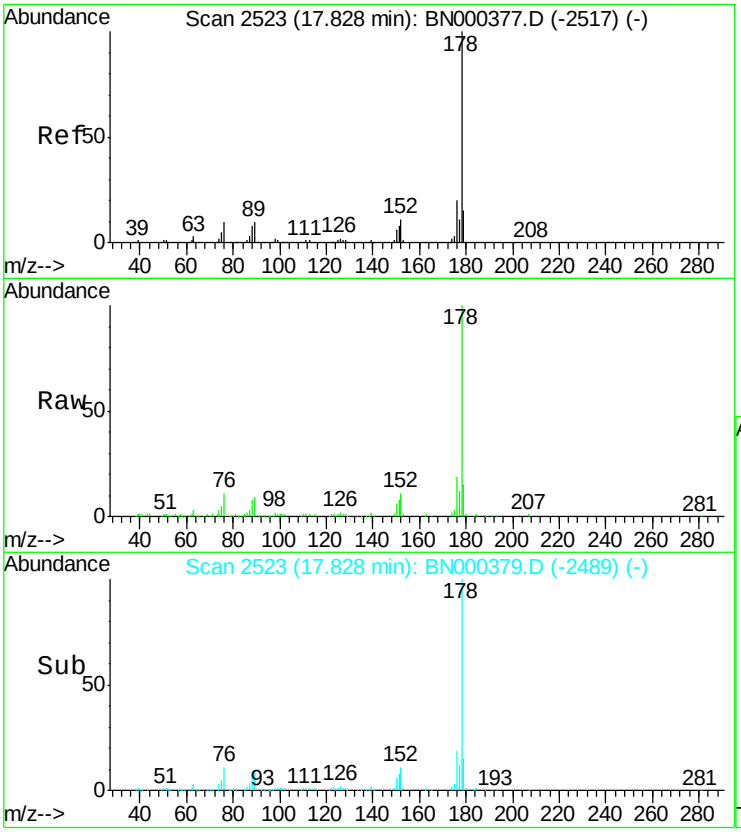
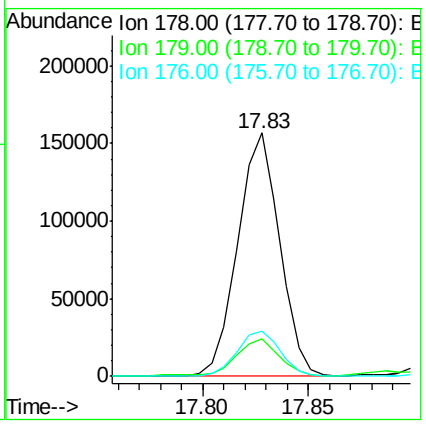





#13
Phenanthrene
Concen: 2.953 ng/ul
RT: 17.83 min Scan# 2523
Delta R.T. 0.00 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:178 Resp: 215507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.3 | 18.5 |
| 176 | 18.7 | 15.1 | 22.7 |




**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
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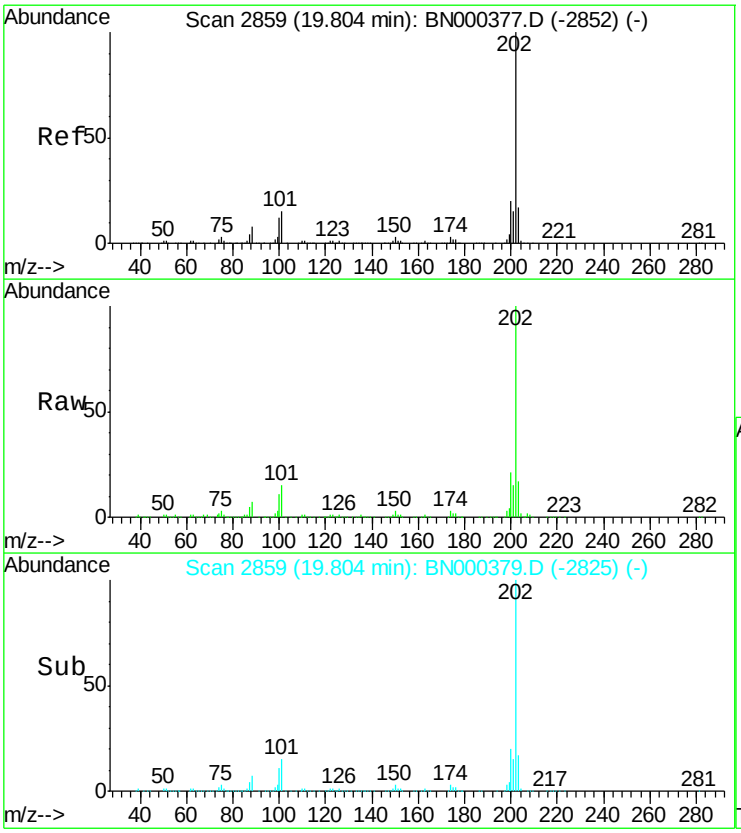
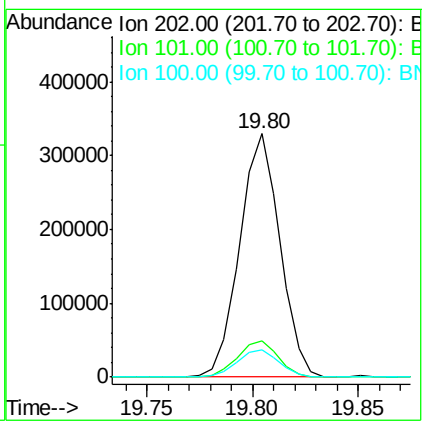
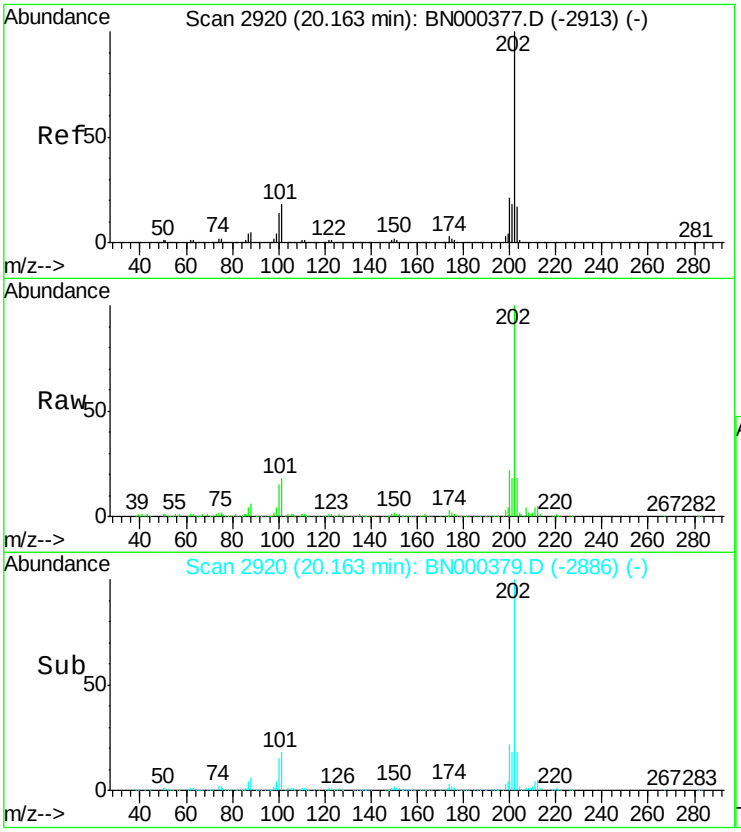



#16
Fluoranthene
Concen: 5.530 ng/ul
RT: 19.80 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:202 Resp: 436042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 9.9 | 14.9 |
| 100 | 11.4 | 7.4 | 11.0# |






#19
Pyrene
Concen: 5.405 ng/ul
RT: 20.16 min Scan# 2920
Delta R.T. 0.00 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:202 Resp: 388347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.0 | 11.0 | 16.4# |
| 100 | 14.8 | 8.1 | 12.1# |

**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
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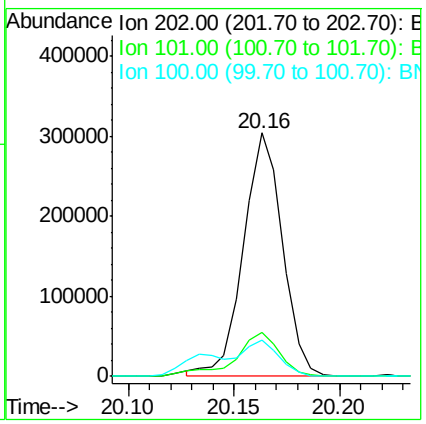
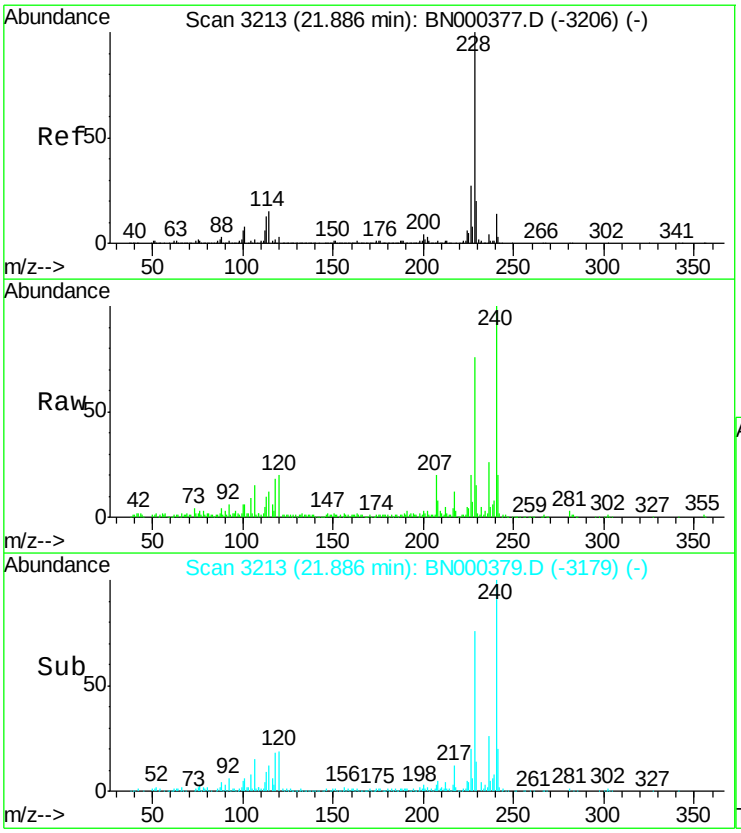
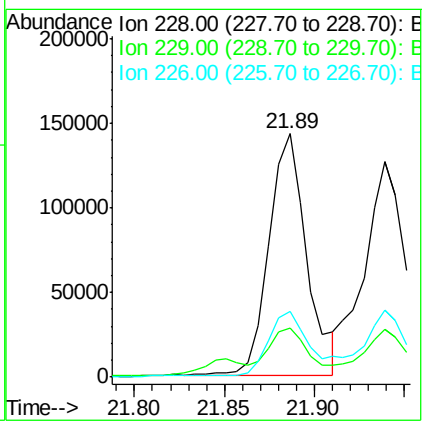


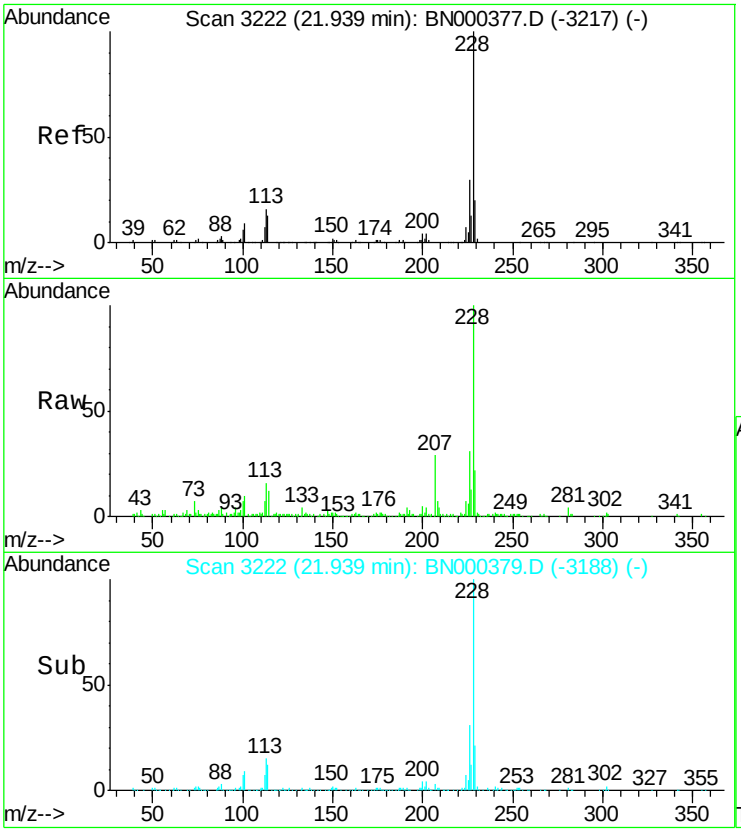




#20
Benzo(a)anthracene
Concen: 2.928 ng/ul m
RT: 21.89 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:228 Resp: 207148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.1 | 15.7 | 23.5 |
| 226 | 26.8 | 21.1 | 31.7 |

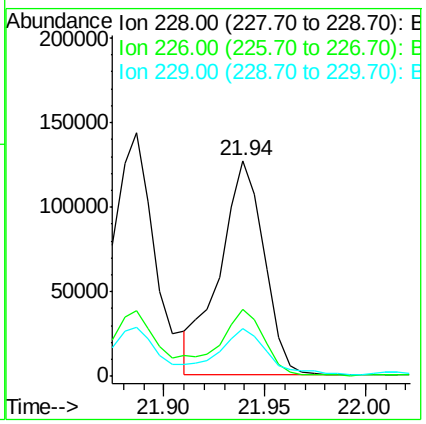





#21
Chrysene
Concen: 2.918 ng/ul m
RT: 21.94 min Scan# 3222
Delta R.T. 0.00 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:228 Resp: 195937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.5 | 36.7 |
| 229 | 22.1 | 15.8 | 23.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
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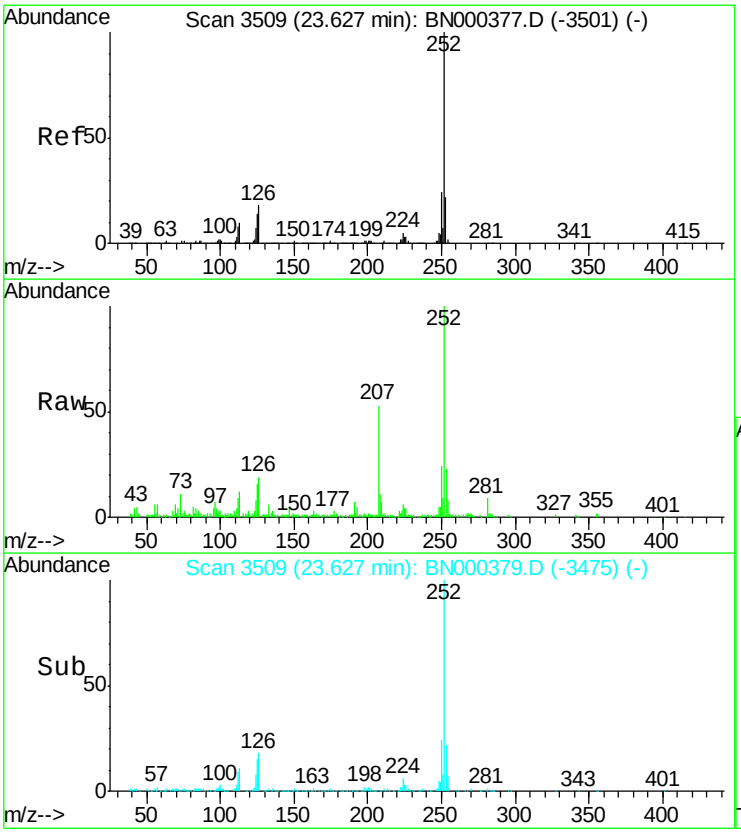
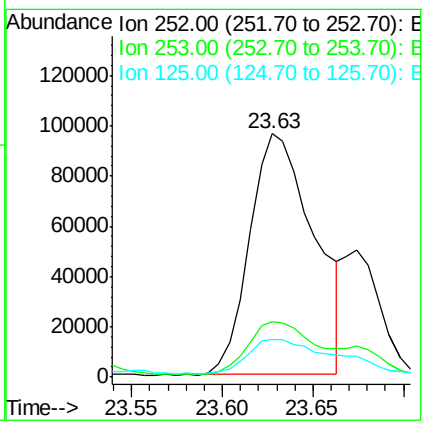
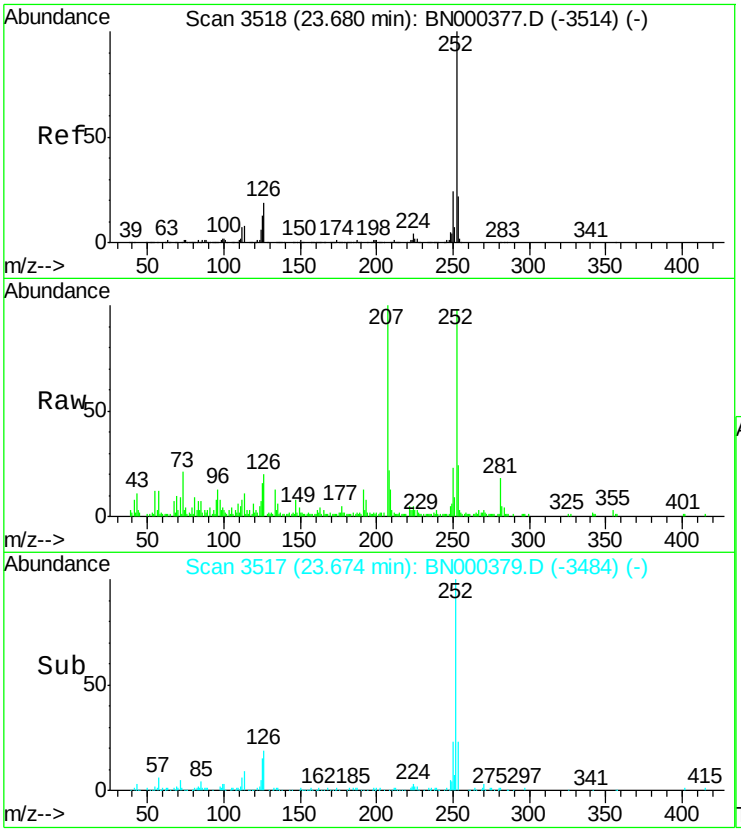



#23
Benzo(b)fluoranthene
Concen: 3.878 ng/ul
RT: 23.63 min Scan# 3509
Delta R.T. 0.00 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:252 Resp: 236914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.0 | 27.0 |
| 125 | 15.6 | 8.0 | 12.0# |

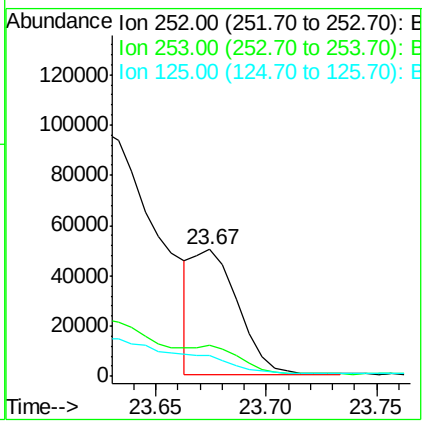





#24
Benzo(k)fluoranthene
Concen: 1.241 ng/ul m
RT: 23.67 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:252 Resp: 70968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 18.0 | 27.0 |
| 125 | 16.4 | 8.1 | 12.1# |




**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
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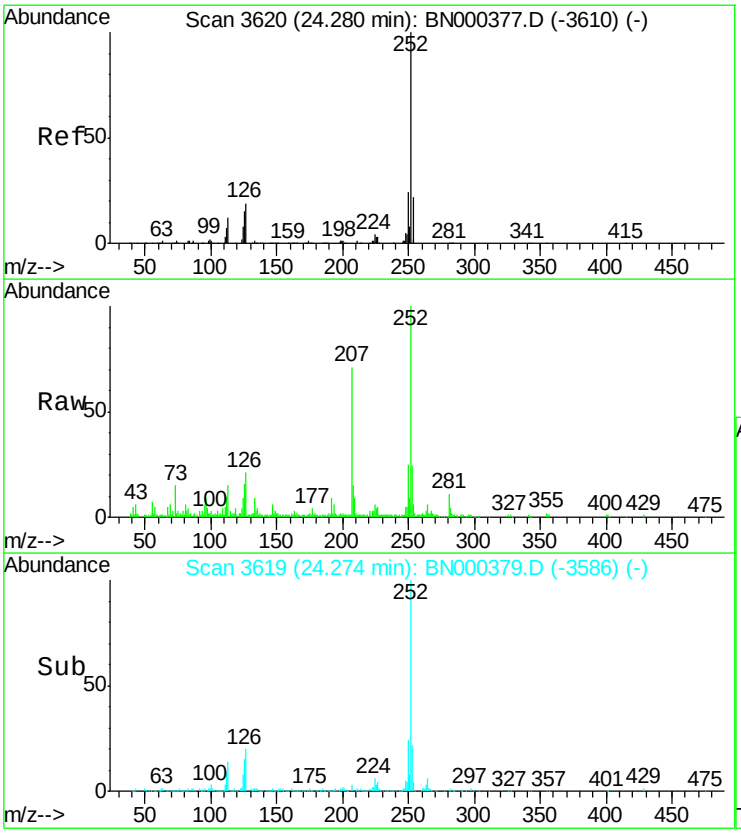
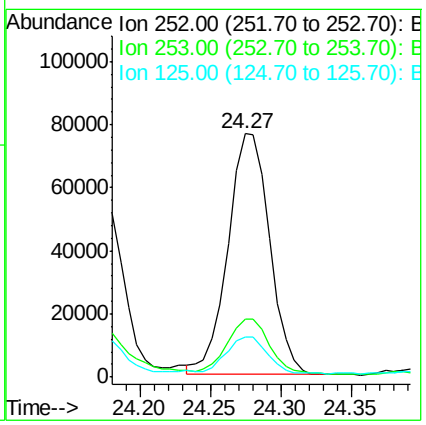
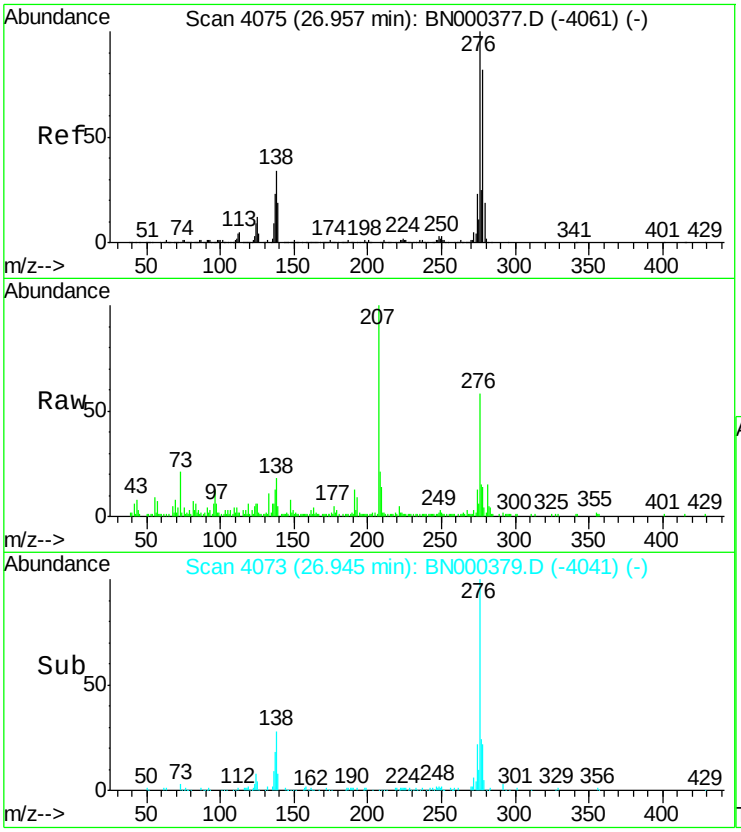



#26
Benzo(a)pyrene
Concen: 2.713 ng/ul
RT: 24.27 min Scan# 3619
Delta R.T. -0.01 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:252 Resp: 157751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 17.2 | 25.8 |
| 125 | 16.4 | 8.2 | 12.4# |






#27
Indeno(1,2,3-cd)pyrene
Concen: 1.562 ng/ul
RT: 26.94 min Scan# 4073
Delta R.T. -0.01 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:276 Resp: 97950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.1 | 14.4 | 21.6# |
| 277 | 25.0 | 18.0 | 27.0 |

**Instrument :**
BNA_N
**ClientSampleId :**
DAMF5

**Manual Integrations APPROVED**
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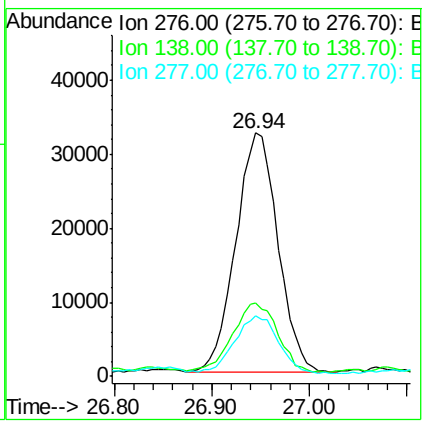


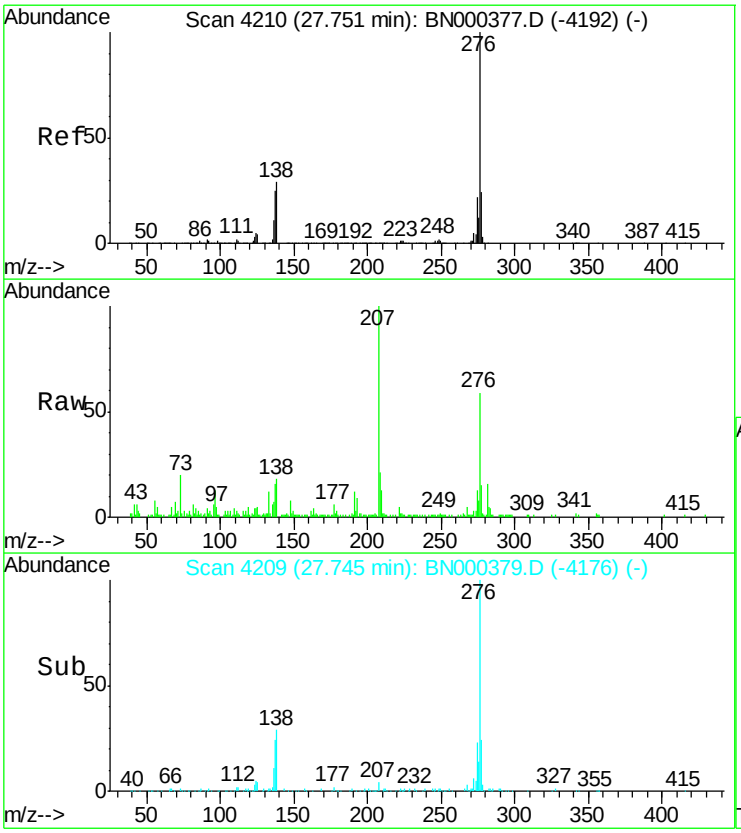


#29
Benzo(g,h,i)perylene
Concen: 2.159 ng/ul
RT: 27.74 min Scan# 4209
Delta R.T. -0.01 min
Lab File: BN000379.D
Acq: 14 Mar 2018 17:57

Tgt Ion:276 Resp: 112998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.7 | 15.3 | 22.9# |
| 277 | 25.0 | 19.0 | 28.4 |