Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
Data File : BN008429.D
Acq On : 25 Oct 2019 16:27
Operator : JU
Sample : K5236-10DL 10X
Misc :
ALS Vial : 51 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** BEPL9DL

**Manual Integrations APPROVED**
mohammad
10/25/2019 9:29:15 PM

Quant Time: Oct 25 17:05:52 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 13:14:06 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 1420 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.34 | 136 | 7190 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.21 | 164 | 4946 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.96 | 188 | 10349 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.17 | 240 | 8571 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.34 | 264 | 7677 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.95 | 152 | 214 | 0.02 | ng/ul | 0.02 |
| 14) Fluoranthene-d10 | 19.00 | 212 | 724 | 0.02 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.38 | 128 | 565 | 0.028 | ng/ul# | 62 |
| 7) Acenaphthylene | 13.93 | 152 | 3358 | 0.143 | ng/ul | 96 |
| 9) Fluorene | 15.27 | 166 | 1404 | 0.067 | ng/ul# | 94 |
| 12) Phenanthrene | 17.00 | 178 | 23107 | 0.763 | ng/ul | 99 |
| 13) Anthracene | 17.09 | 178 | 4764 | 0.179 | ng/ul | 95 |
| 15) Fluoranthene | 19.03 | 202 | 41040 | 1.026 | ng/ul | 99 |
| 17) Pyrene | 19.39 | 202 | 30715 | 0.900 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.15 | 228 | 16184 | 0.519 | ng/ul | 95 |
| 19) Chrysene | 21.20 | 228 | 13988 | 0.366 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.70 | 252 | 15688m | 0.628 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.73 | 252 | 6704m | 0.237 | ng/ul | |
| 23) Benzo(a)pyrene | 23.24 | 252 | 9781 | 0.372 | ng/ul | 94 |
| 24) Indeno(1,2,3-cd)pyrene | 25.49 | 276 | 7798 | 0.252 | ng/ul# | 98 |
| 25) Dibenzo(a,h)anthracene | 25.49 | 278 | 1617 | 0.066 | ng/ul# | 47 |
| 26) Benzo(g,h,i)perylene | 26.14 | 276 | 8703 | 0.306 | ng/ul# | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102419\
Data File : BN008429.D
Acq On : 25 Oct 2019 16:27
Operator : JU
Sample : K5236-10DL 10X
Misc :
ALS Vial : 51 Sample Multiplier: 1

Quant Time: Oct 25 17:05:52 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 13:14:06 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

**Manual Integrations APPROVED**
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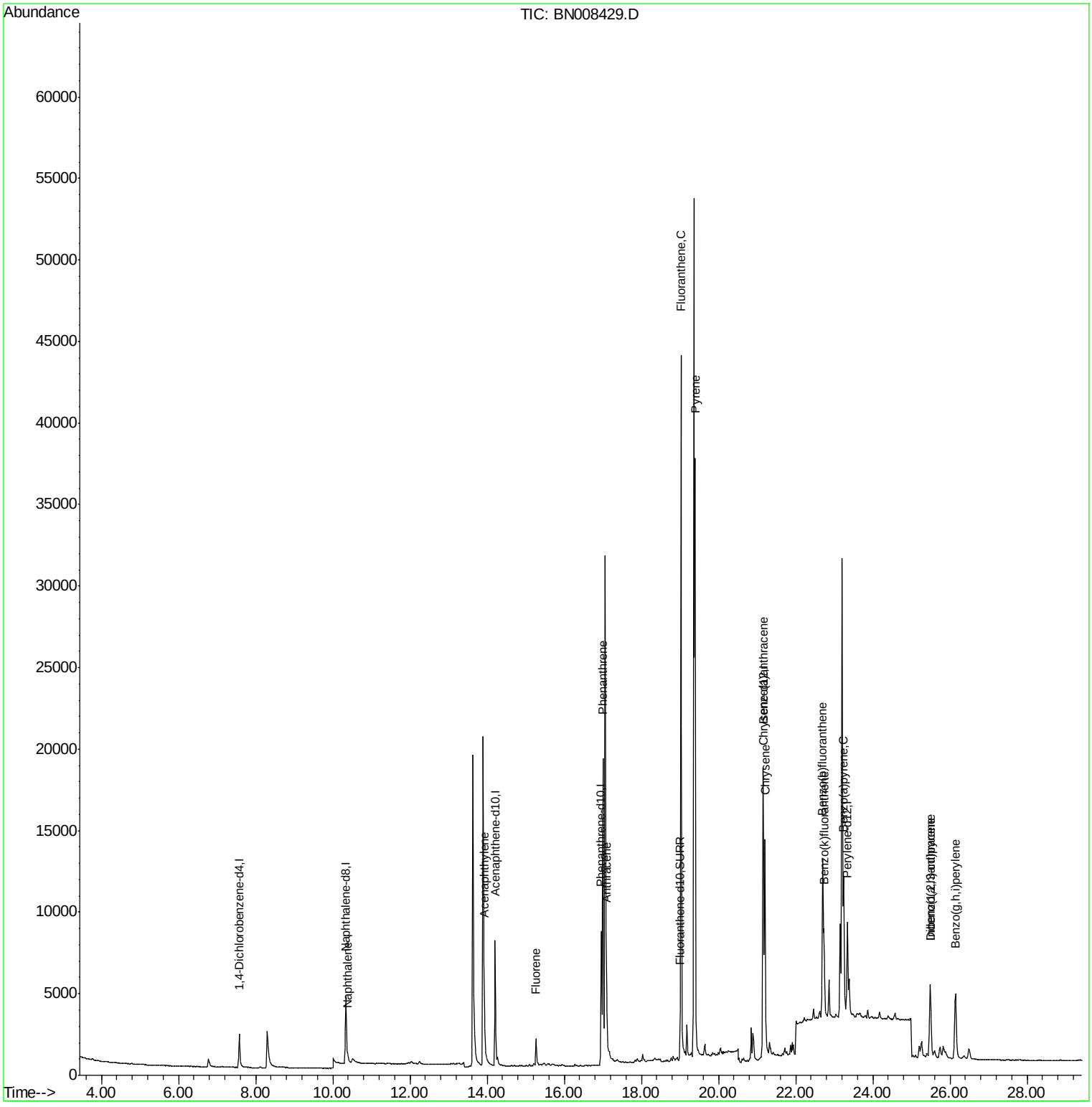

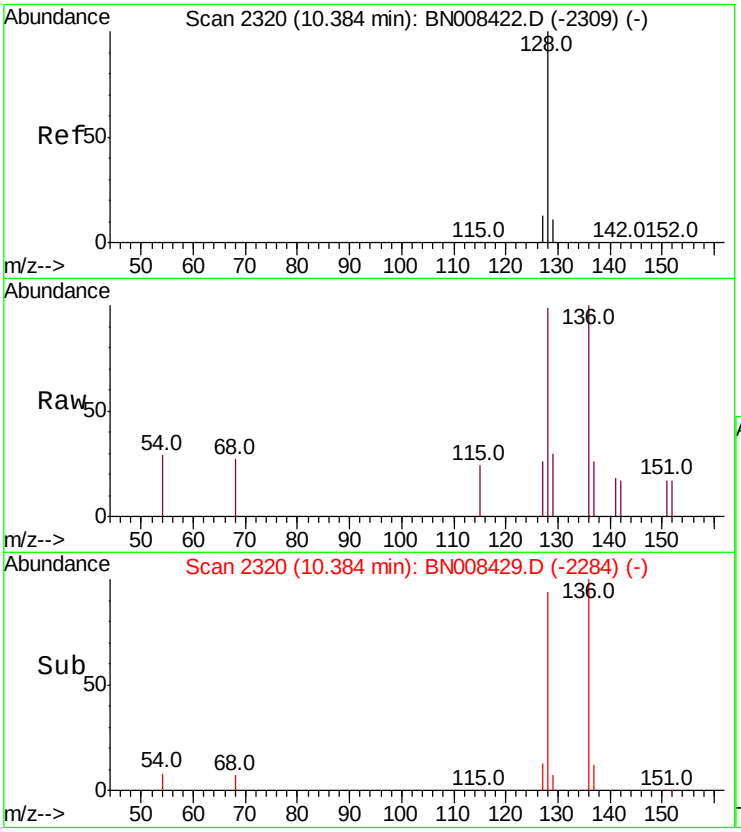


#3
Naphthalene
Concen: 0.028 ng/ul
RT: 10.38 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

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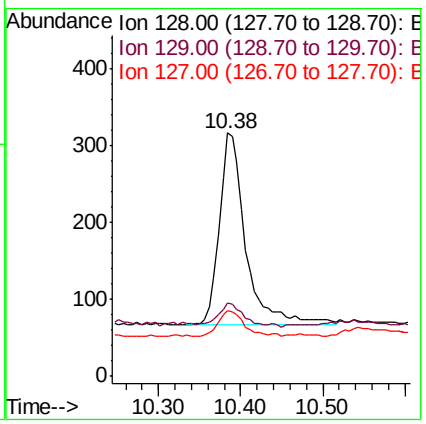
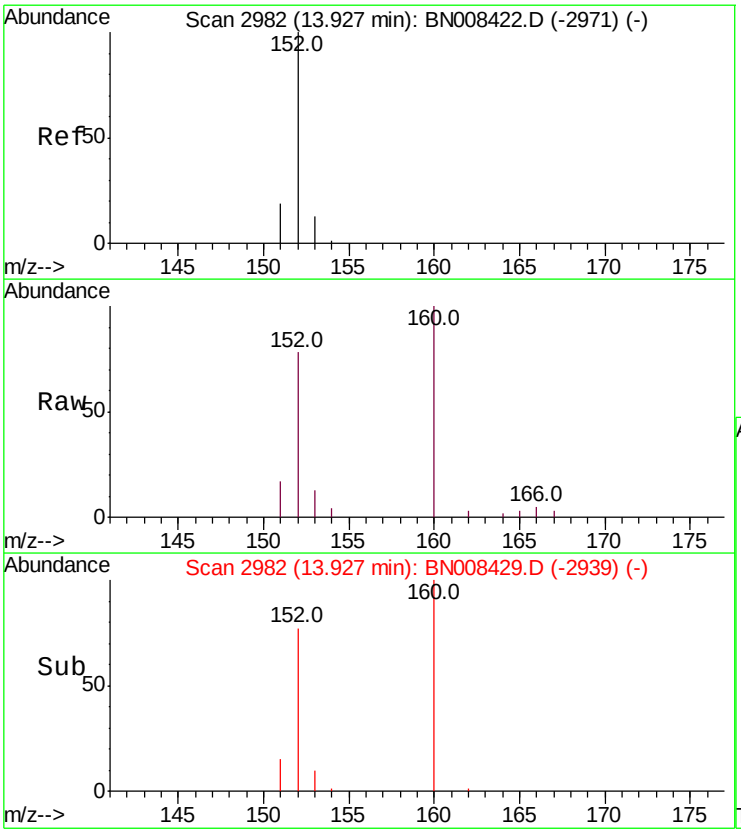
Tgt Ion:128 Resp: 565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 30.3 | 9.8 | 14.8# |
| 127 | 26.8 | 11.1 | 16.7# |

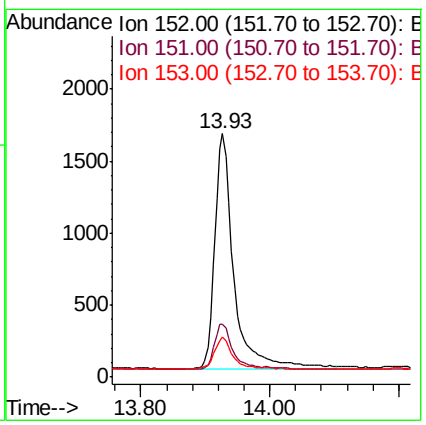


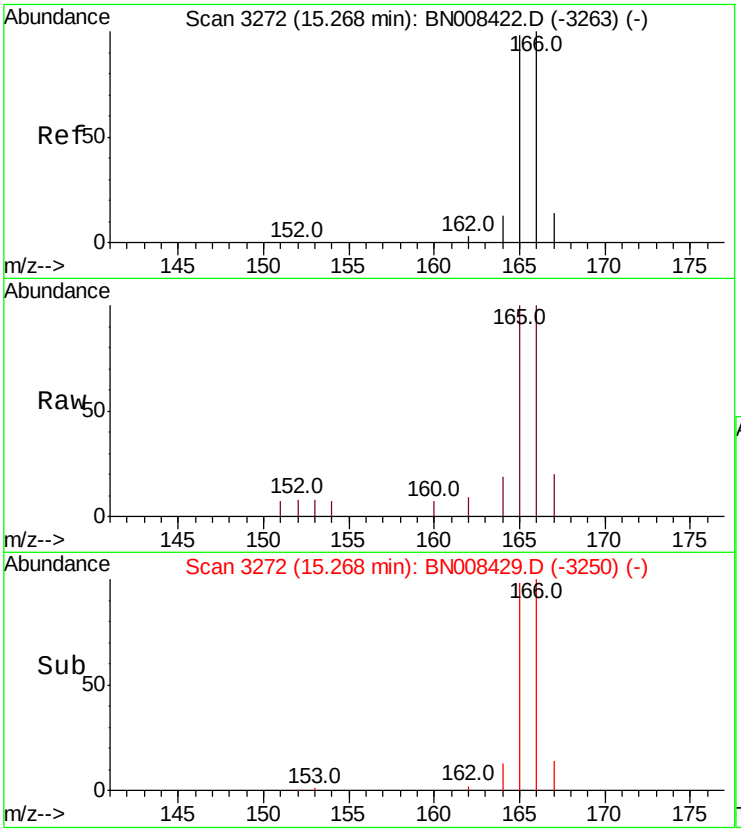




#7
Acenaphthylene
Concen: 0.143 ng/ul
RT: 13.93 min Scan# 2982
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:152 Resp: 3358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.6 | 16.2 | 24.4 |
| 153 | 16.3 | 11.0 | 16.4 |






#9
Fluorene
Concen: 0.067 ng/ul
RT: 15.27 min Scan# 3272
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:166 Resp: 1404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.1 | 76.6 | 115.0 |
| 167 | 20.4 | 11.7 | 17.5# |

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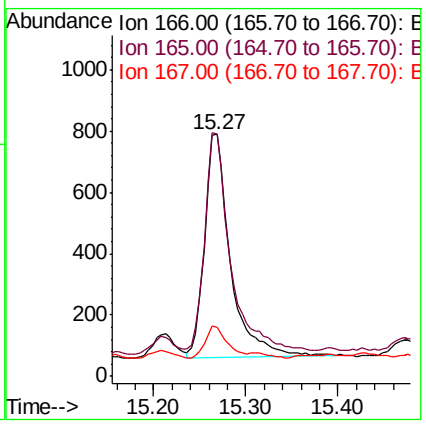
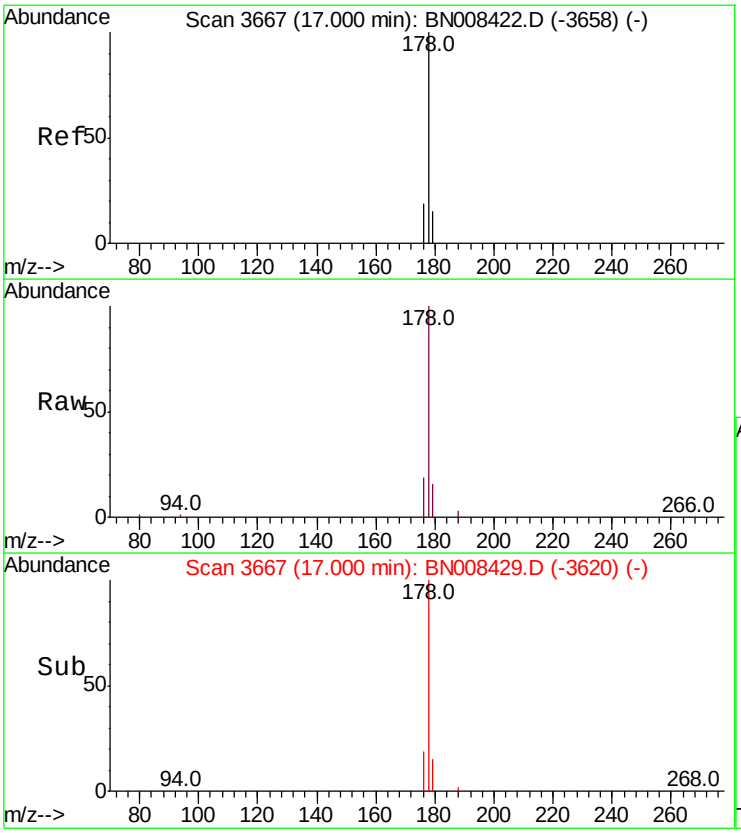
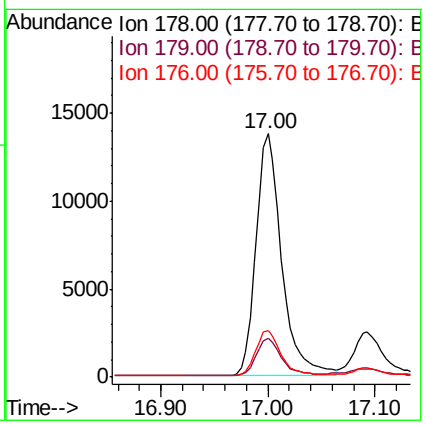


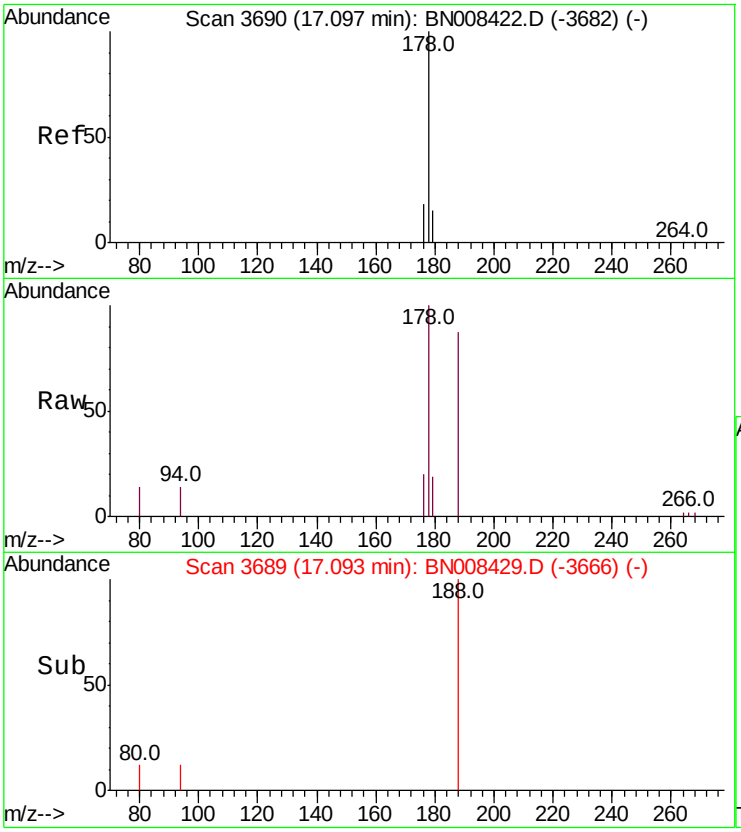




#12
Phenanthrene
Concen: 0.763 ng/ul
RT: 17.00 min Scan# 3667
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:178 Resp: 23107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.8 | 19.2 |
| 176 | 19.0 | 15.4 | 23.2 |

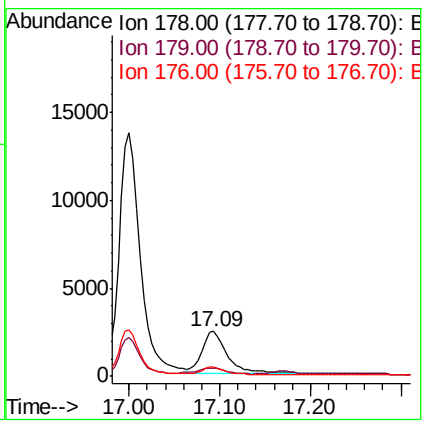





#13
Anthracene
Concen: 0.179 ng/ul
RT: 17.09 min Scan# 3689
Delta R.T. -0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:178 Resp: 4764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.2 | 13.0 | 19.6 |
| 176 | 20.4 | 15.0 | 22.6 |




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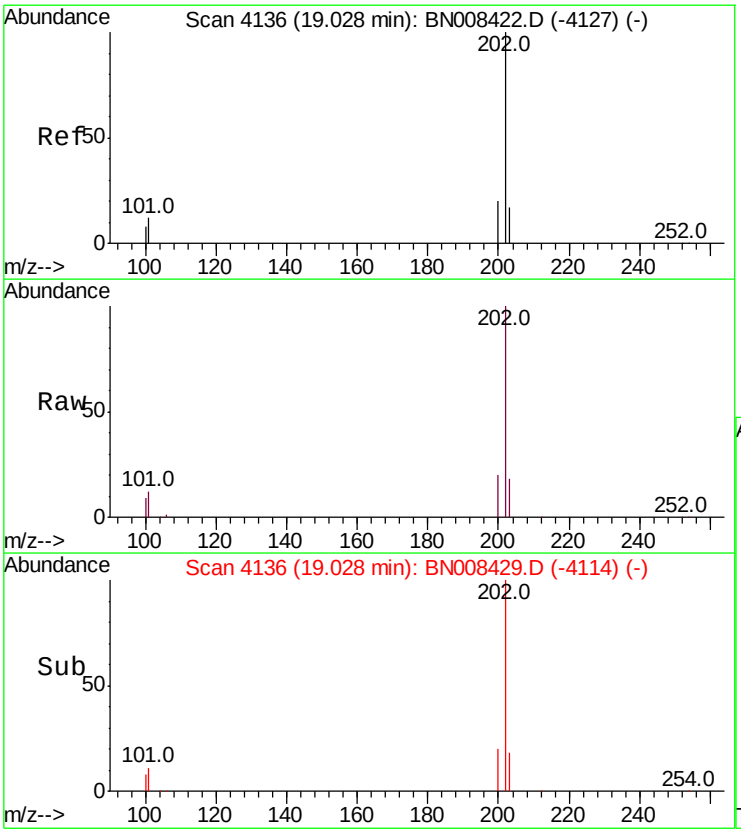
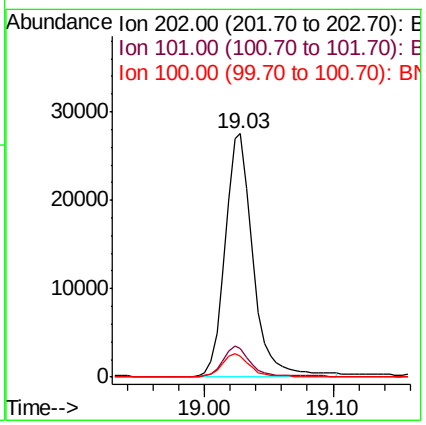
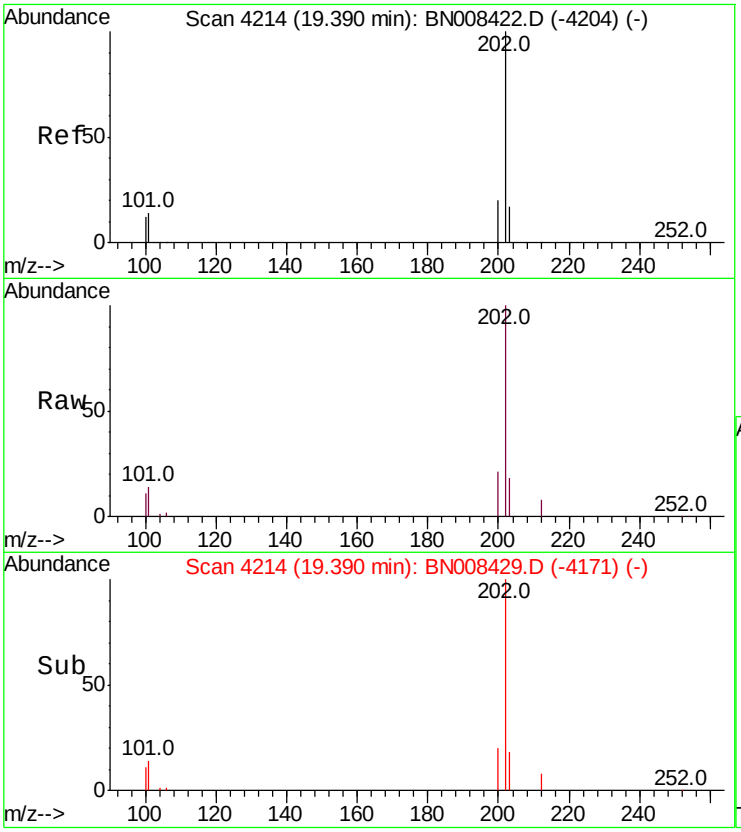



#15
Fluoranthene
Concen: 1.026 ng/ul
RT: 19.03 min Scan# 4136
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:202 Resp: 41040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 31.2 |
| 100 | 8.6 | 0.0 | 28.5 |

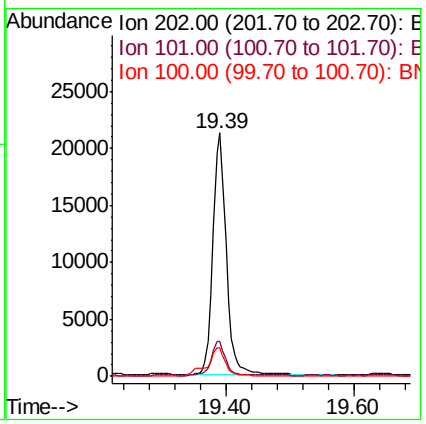





#17
Pyrene
Concen: 0.900 ng/ul
RT: 19.39 min Scan# 4214
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:202 Resp: 30715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.1 | 10.9 | 16.3 |
| 100 | 11.5 | 8.7 | 13.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

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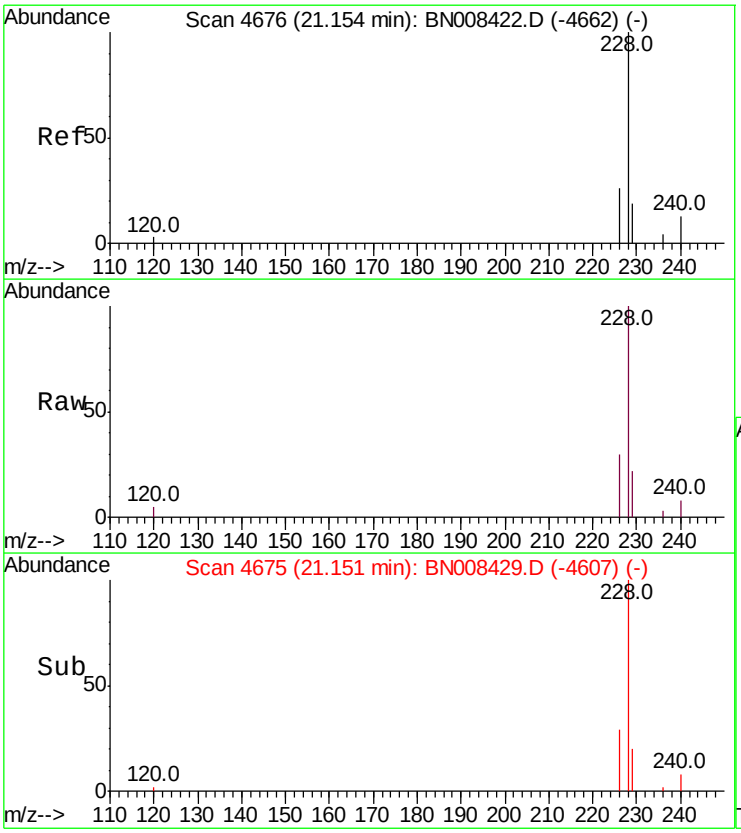
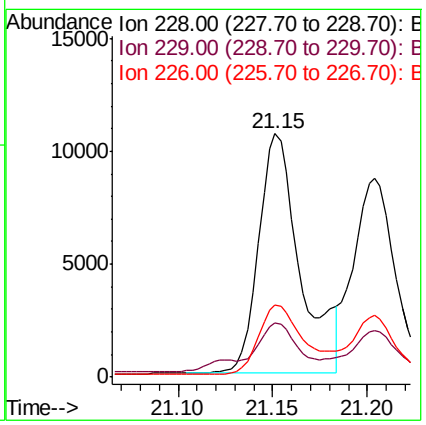
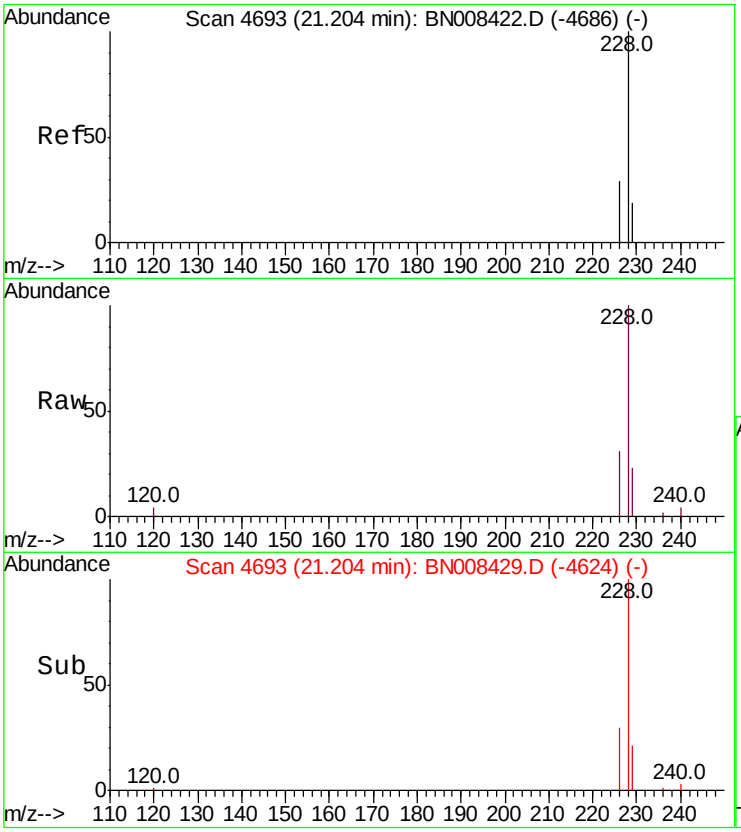



#18
Benzo(a)anthracene
Concen: 0.519 ng/ul
RT: 21.15 min Scan# 4675
Delta R.T. -0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:228 Resp: 16184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.4 | 16.2 | 24.2 |
| 226 | 29.6 | 21.4 | 32.0 |

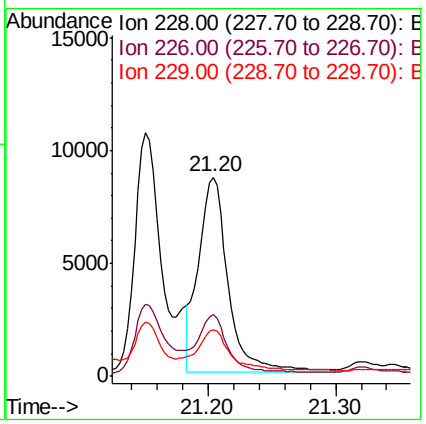





#19
Chrysene
Concen: 0.366 ng/ul
RT: 21.20 min Scan# 4693
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:228 Resp: 13988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.1 | 36.1 |
| 229 | 23.3 | 16.2 | 24.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

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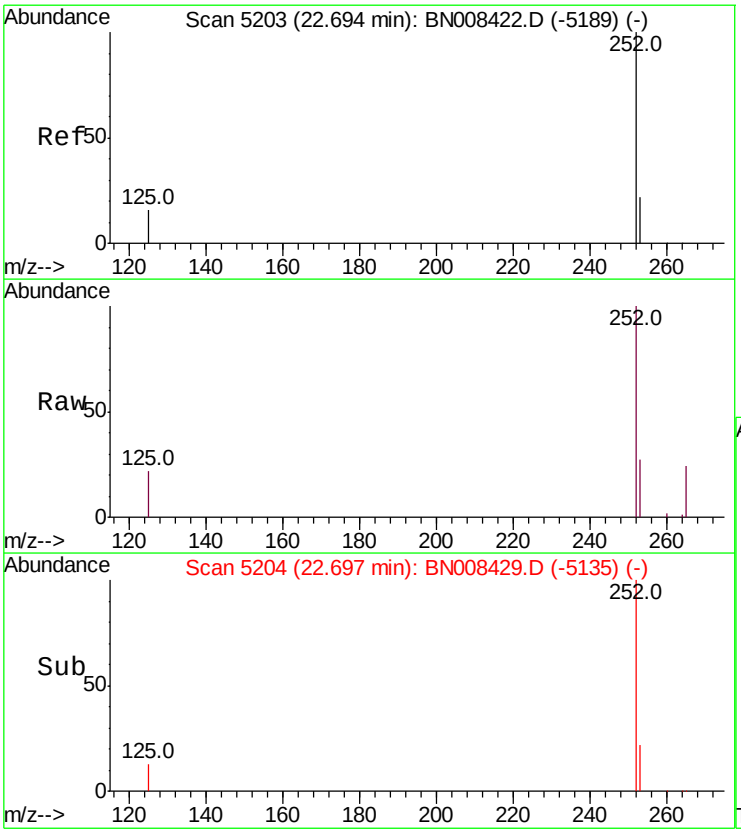
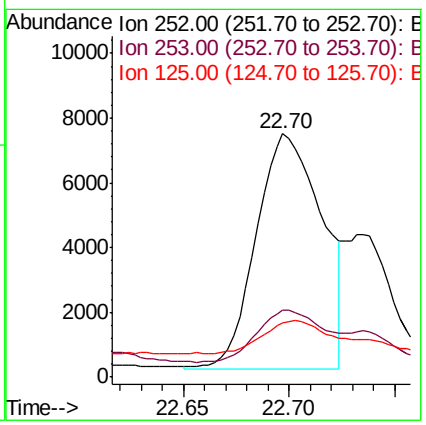
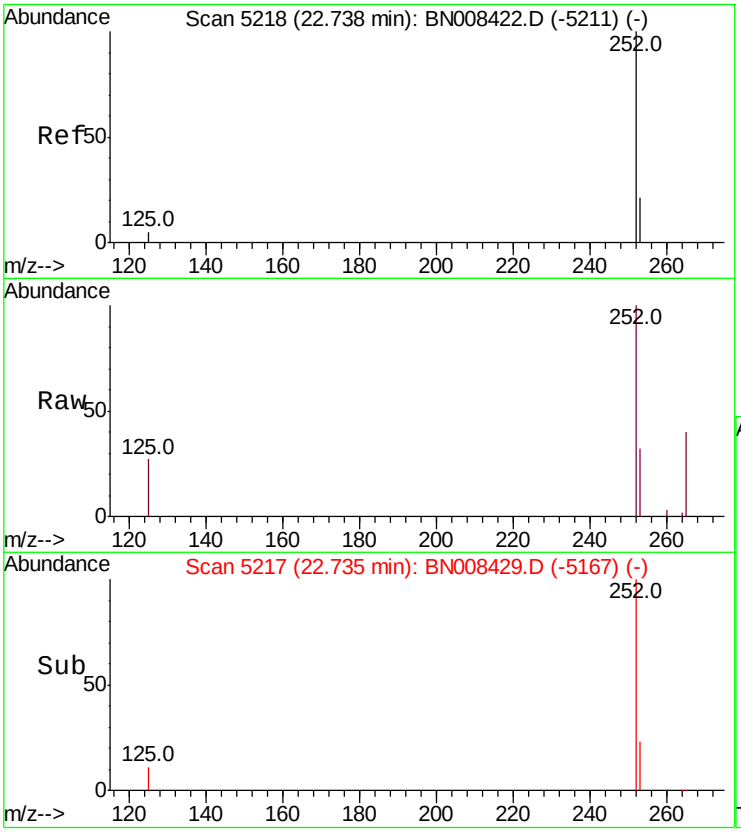



#21
Benzo(b)fluoranthene
Concen: 0.628 ng/ul m
RT: 22.70 min Scan# 5204
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:252 Resp: 15688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 0.0 | 53.4 |
| 125 | 22.2 | 0.0 | 32.4 |

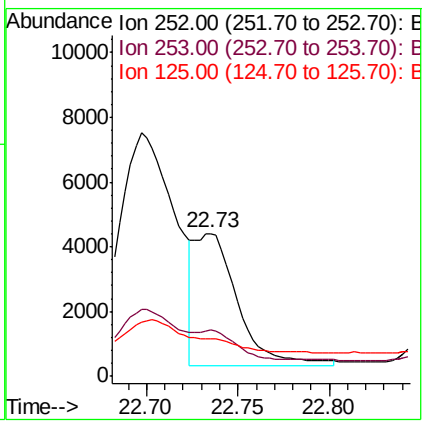





#22
Benzo(k)fluoranthene
Concen: 0.237 ng/ul m
RT: 22.73 min Scan# 5217
Delta R.T. -0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:252 Resp: 6704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.1 | 21.3 | 31.9# |
| 125 | 26.6 | 12.3 | 18.5# |




**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

**Manual Integrations APPROVED**
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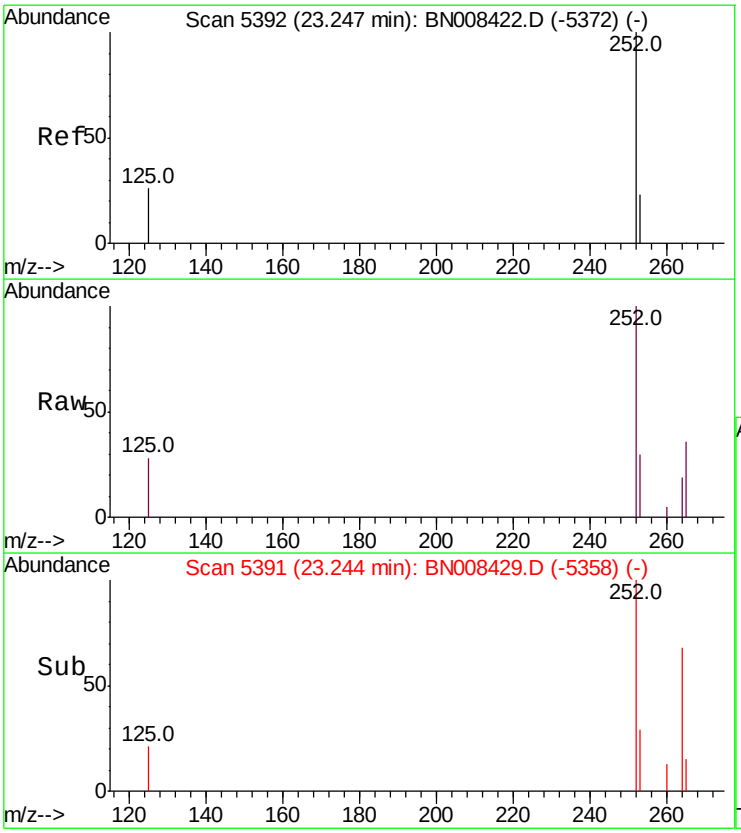
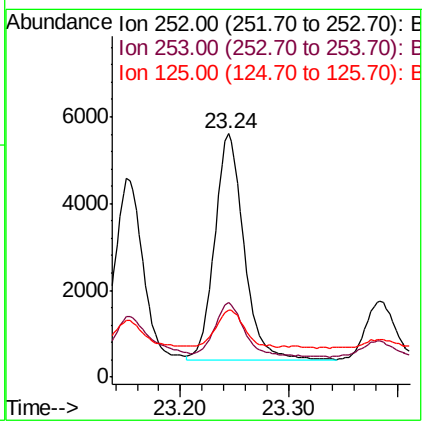
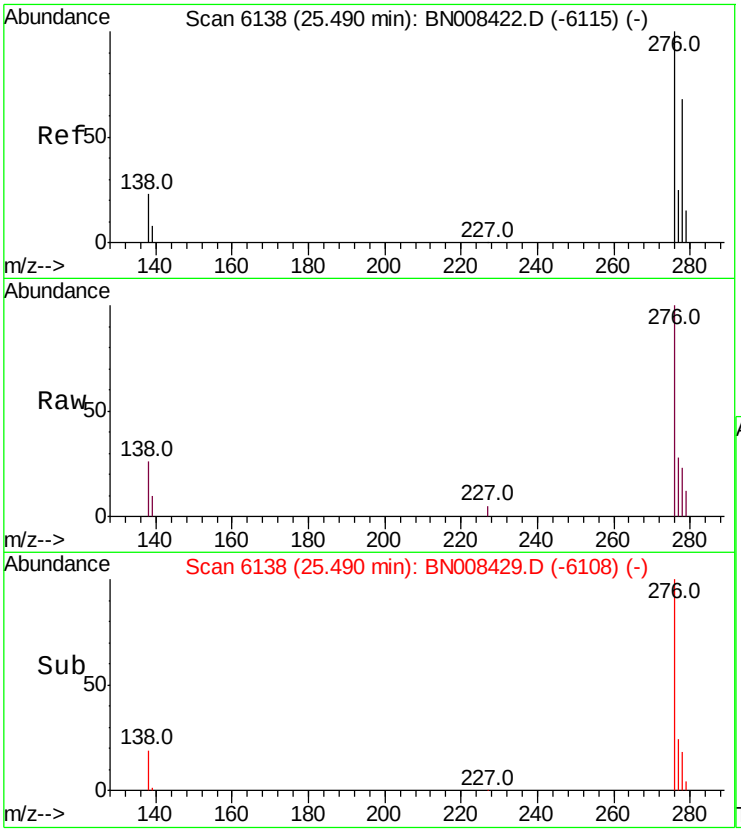



#23
Benzo(a)pyrene
Concen: 0.372 ng/ul
RT: 23.24 min Scan# 5391
Delta R.T. -0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:252 Resp: 9781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.5 | 22.8 | 34.2 |
| 125 | 27.6 | 18.4 | 27.6 |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.252 ng/ul
RT: 25.49 min Scan# 6138
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

**Manual Integrations APPROVED**
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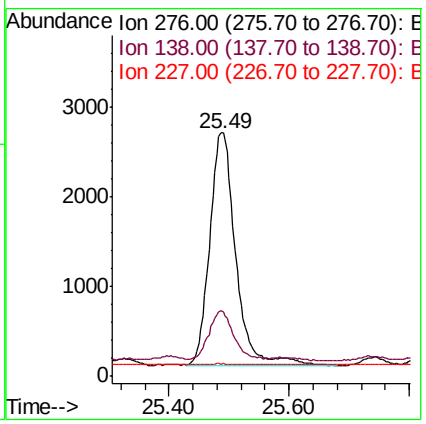
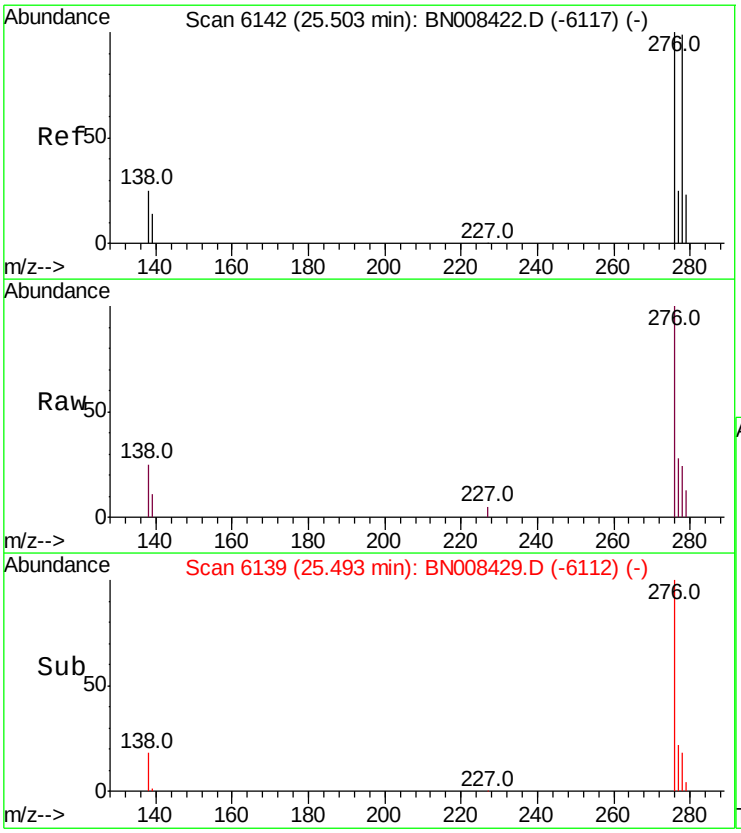
Tgt Ion:276 Resp: 7798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.2 | 16.1 | 24.1 |
| 227 | 0.3 | 0.2 | 0.2# |

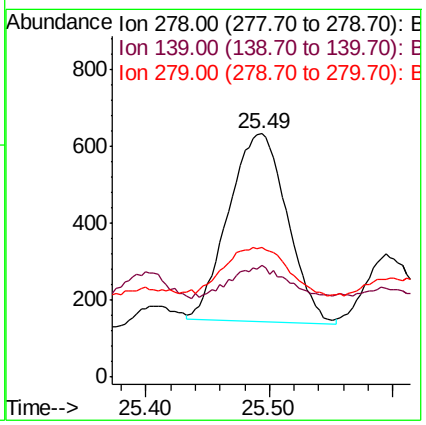


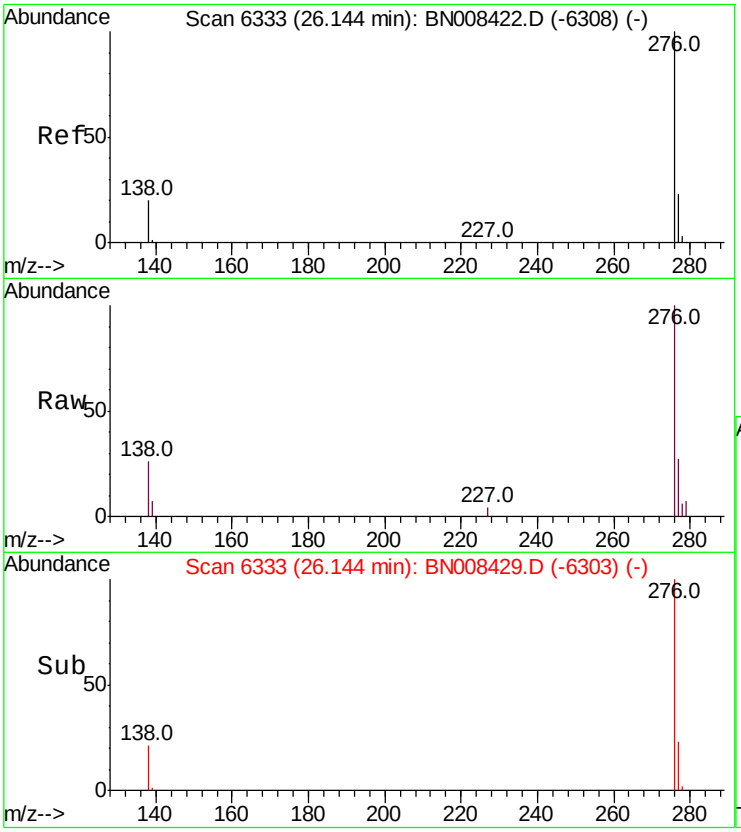




#25
Dibenzo(a,h)anthracene
Concen: 0.066 ng/ul
RT: 25.49 min Scan# 6139
Delta R.T. -0.01 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:278 Resp: 1617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 45.7 | 15.0 | 22.6# |
| 279 | 53.3 | 22.4 | 33.6# |

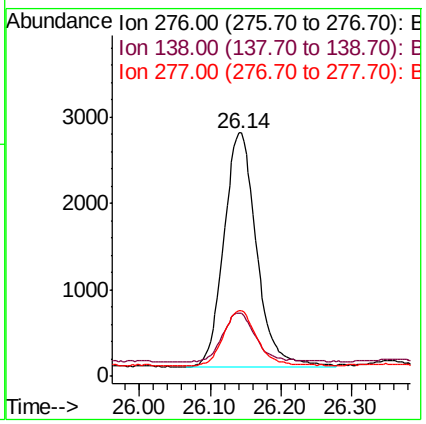





#26
Benzo(g,h,i)perylene
Concen: 0.306 ng/ul
RT: 26.14 min Scan# 6333
Delta R.T. 0.00 min
Lab File: BN008429.D
Acq: 25 Oct 2019 16:27

Tgt Ion:276 Resp: 8703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.2 | 17.0 | 25.4# |
| 277 | 26.9 | 20.4 | 30.6 |




**Instrument :**
BNA_N
**ClientSampleId :**
BEPL9DL

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