Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022820\
Data File : BM025160.D
Acq On : 29 Feb 2020 10:19
Operator : CG/JU
Sample : L1542-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DBD38

Manual Integrations APPROVED
Sohil
3/3/2020 8:39:33 AM

Quant Time: Mar 02 01:37:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 01:15:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.68 | 152 | 2638 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.45 | 136 | 10420 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.31 | 164 | 6924 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.05 | 188 | 15701m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.24 | 240 | 17048 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 19271 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.05 | 152 | 7946 | 0.41 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.08 | 212 | 21488 | 0.40 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 12) Phenanthrene | 17.09 | 178 | 1941 | 0.035 | ng/ul# | 93 |
| 15) Fluoranthene | 19.11 | 202 | 4222 | 0.053 | ng/ul | 97 |
| 17) Pyrene | 19.47 | 202 | 6370 | 0.083 | ng/ul# | 94 |
| 18) Benzo(a)anthracene | 21.22 | 228 | 2496 | 0.034 | ng/ul | 93 |
| 19) Chrysene | 21.27 | 228 | 3692 | 0.050 | ng/ul | 95 |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 6051m | 0.080 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 2359m | 0.032 | ng/ul | |
| 23) Benzo(a)pyrene | 23.34 | 252 | 2457 | 0.036 | ng/ul# | 65 |
| 24) Indeno(1,2,3-cd)pyrene | 25.62 | 276 | 1900 | 0.022 | ng/ul# | 100 |
| 26) Benzo(g,h,i)perylene | 26.28 | 276 | 1630 | 0.022 | ng/ul# | 76 |

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

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Sample : L1542-02
Misc :
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 02 01:37:04 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM022420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 02 01:15:39 2020
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DBD38

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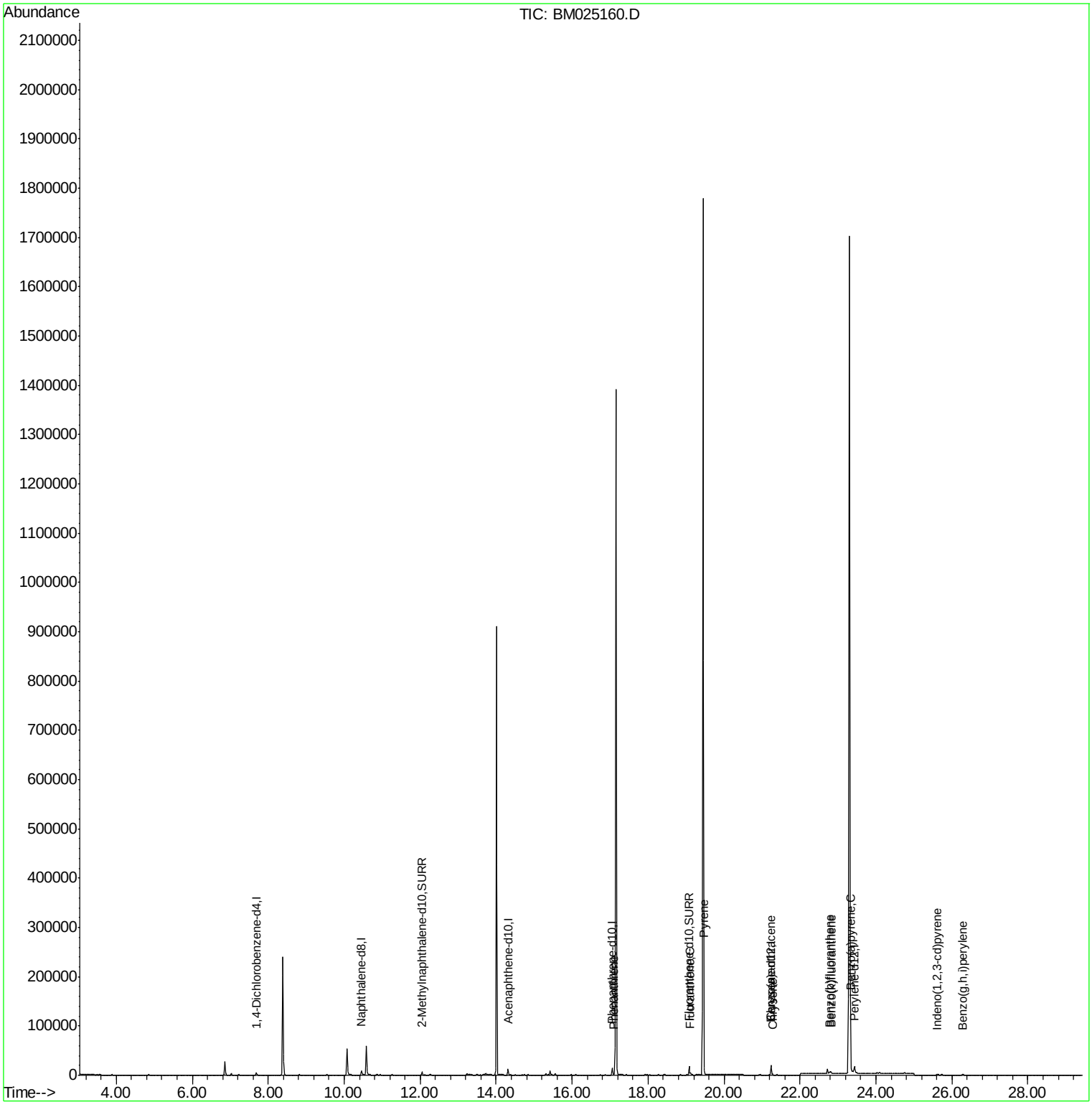

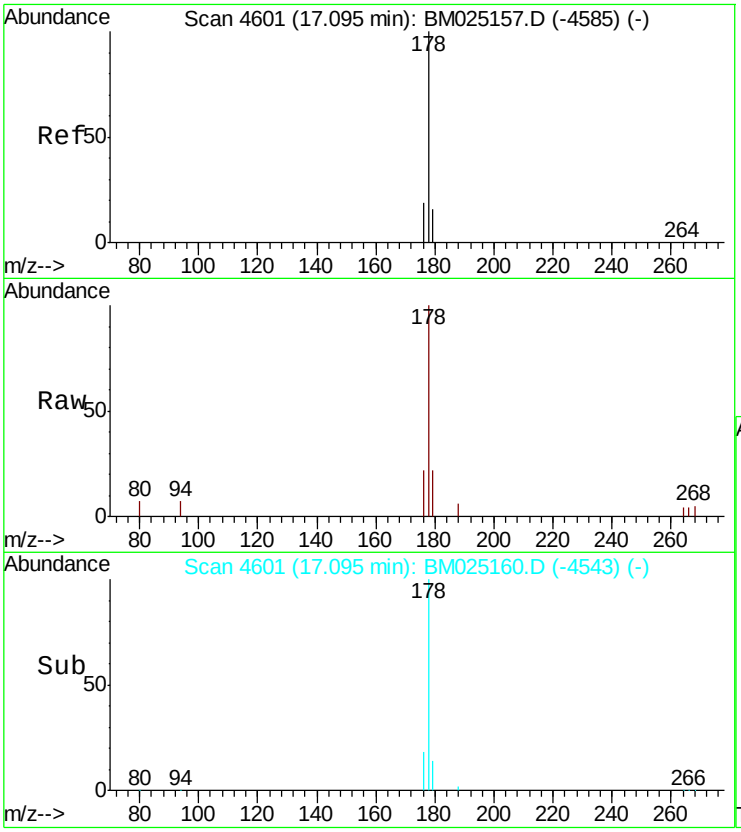


#12
Phenanthrene
Concen: 0.035 ng/ul
RT: 17.09 min Scan# 4601
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:178 Resp: 1941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 22.2 | 14.0 | 21.0# |
| 176 | 22.5 | 16.6 | 24.8 |

**Instrument :**
BNA_M
**ClientSampleId :**
DBD38

**Manual Integrations APPROVED**
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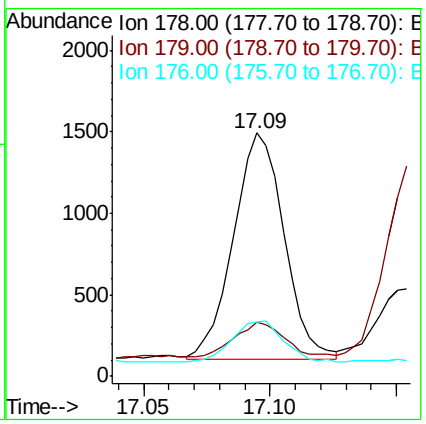
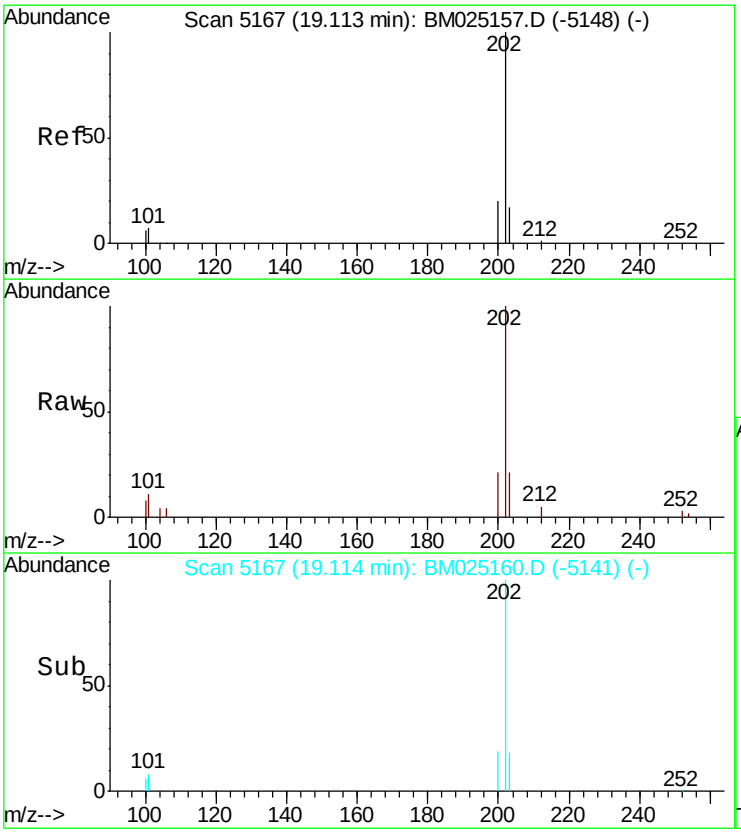
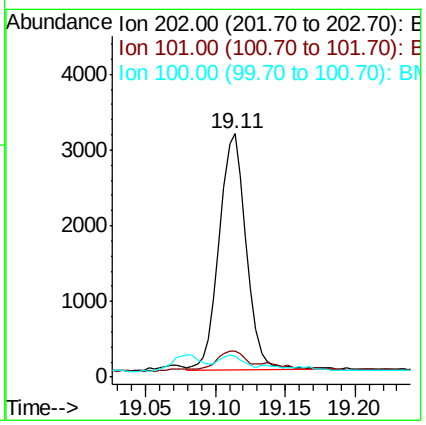


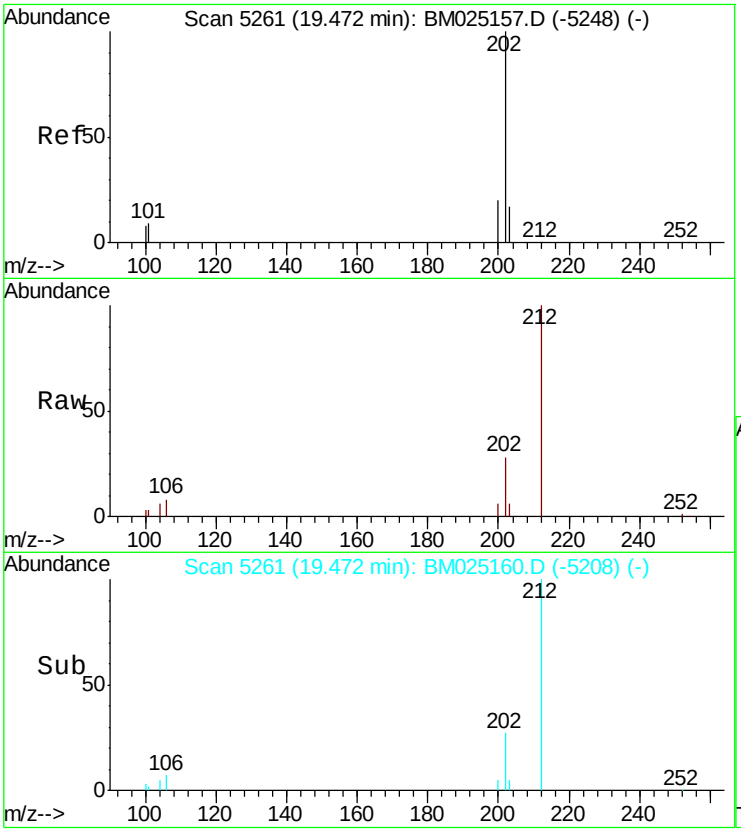




#15
Fluoranthene
Concen: 0.053 ng/ul
RT: 19.11 min Scan# 5167
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:202 Resp: 4222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 0.0 | 29.4 |
| 100 | 8.4 | 0.0 | 28.0 |






#17
Pyrene
Concen: 0.083 ng/ul
RT: 19.47 min Scan# 5261
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:202 Resp: 6370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 8.7 | 13.1 |
| 100 | 12.3 | 7.3 | 10.9# |

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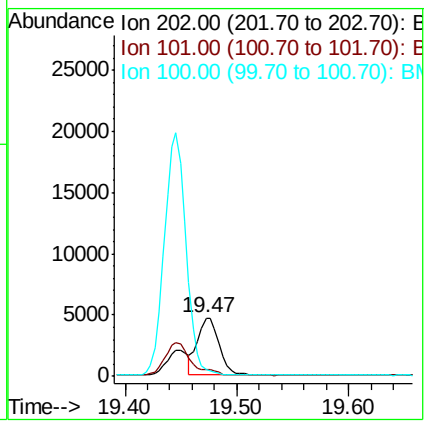
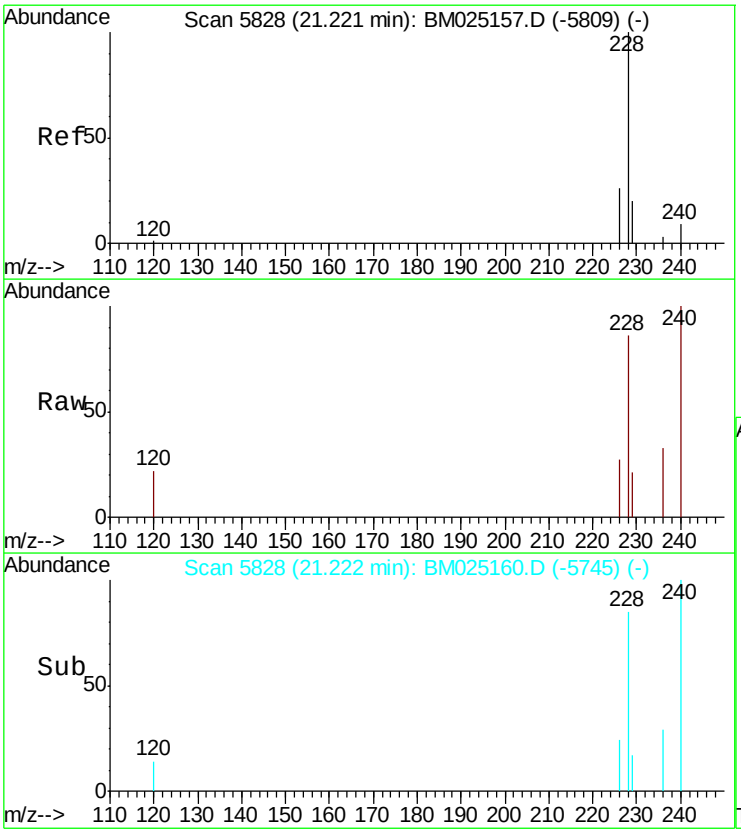
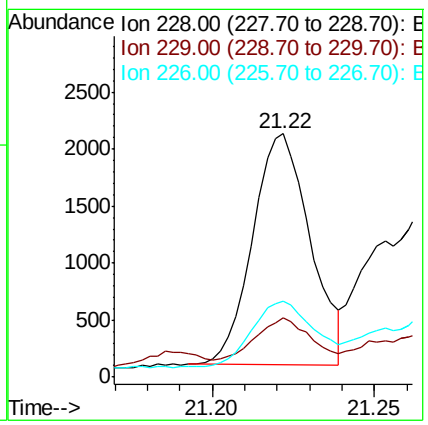


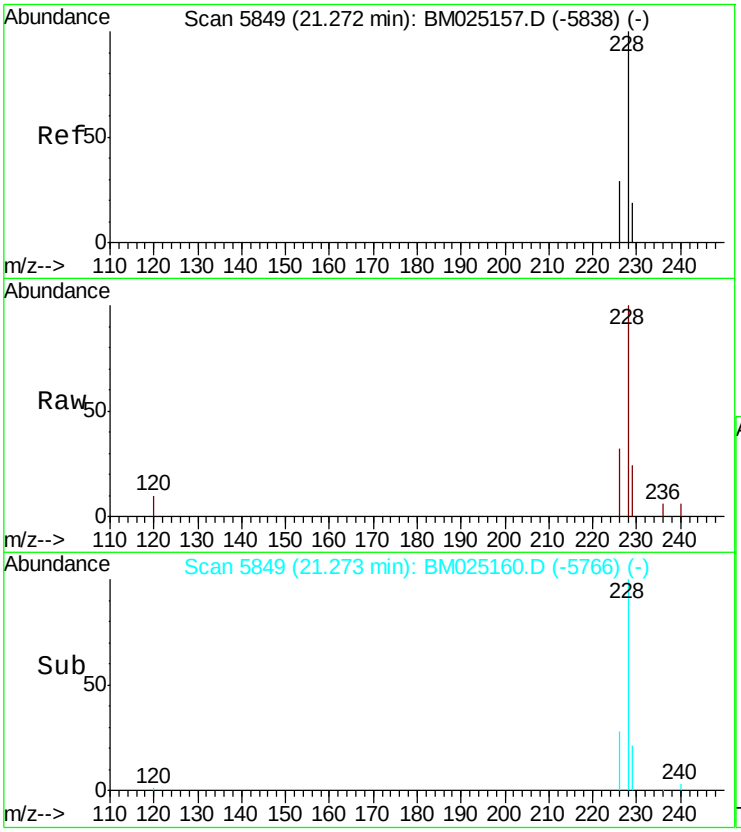




#18
Benzo(a)anthracene
Concen: 0.034 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:228 Resp: 2496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.3 | 16.6 | 25.0 |
| 226 | 31.2 | 21.9 | 32.9 |

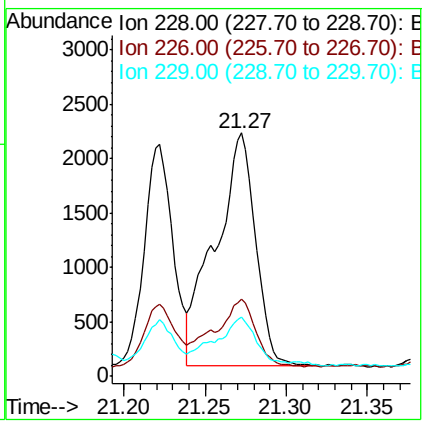





#19
Chrysene
Concen: 0.050 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:228 Resp: 3692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.8 | 23.8 | 35.8 |
| 229 | 24.4 | 16.9 | 25.3 |




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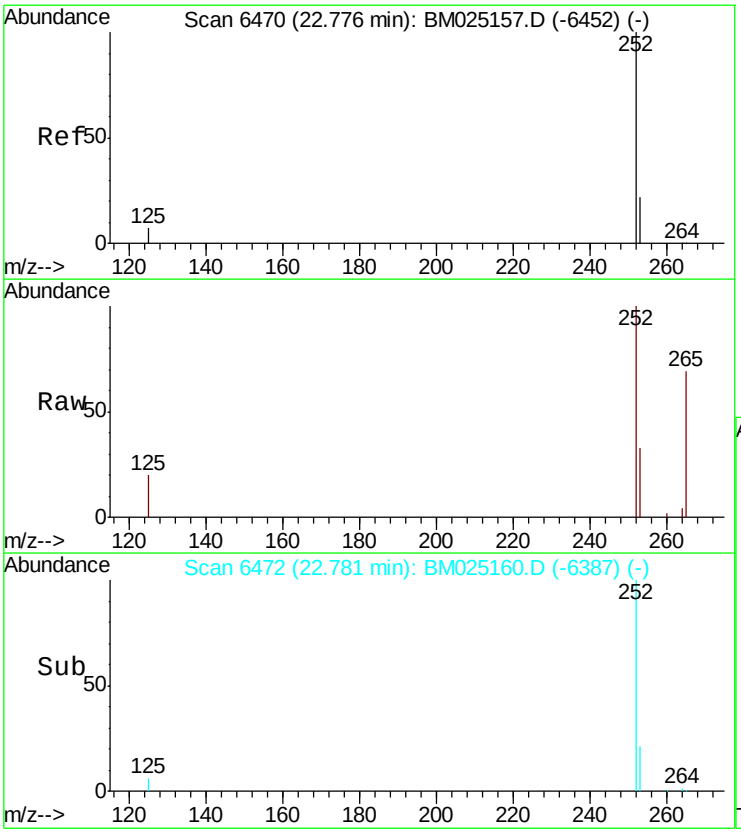
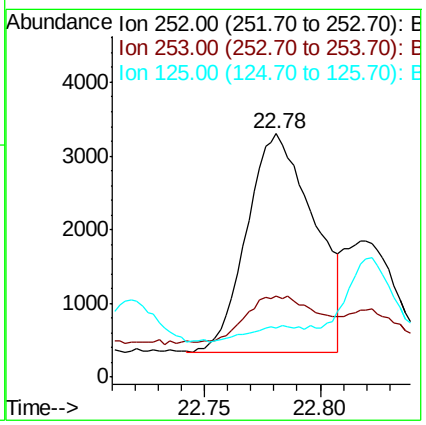
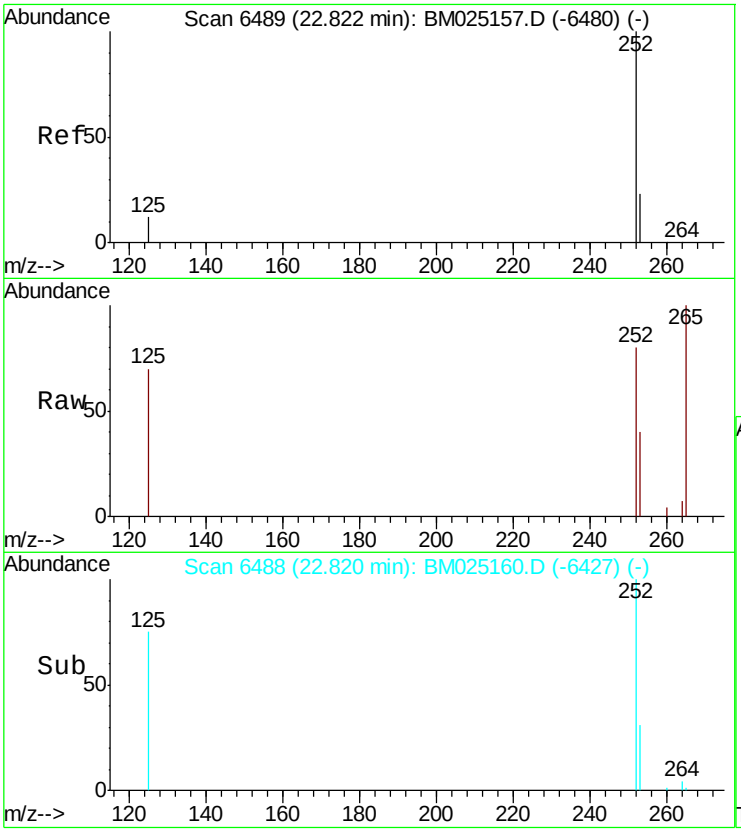



#21
Benzo(b)fluoranthene
Concen: 0.080 ng/ul m
RT: 22.78 min Scan# 6472
Delta R.T. 0.01 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:252 Resp: 6051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.0 | 0.0 | 49.8 |
| 125 | 20.4 | 0.0 | 28.6 |

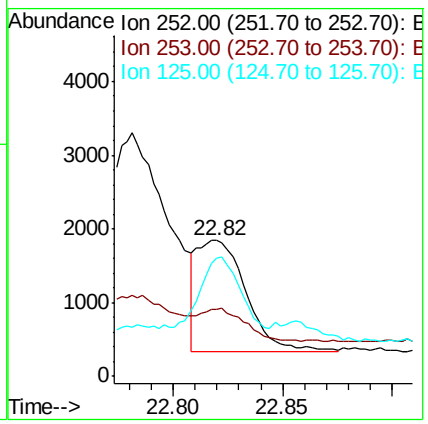





#22
Benzo(k)fluoranthene
Concen: 0.032 ng/ul m
RT: 22.82 min Scan# 6488
Delta R.T. -0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:252 Resp: 2359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 49.8 | 19.4 | 29.0# |
| 125 | 86.9 | 10.7 | 16.1# |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD38

**Manual Integrations APPROVED**
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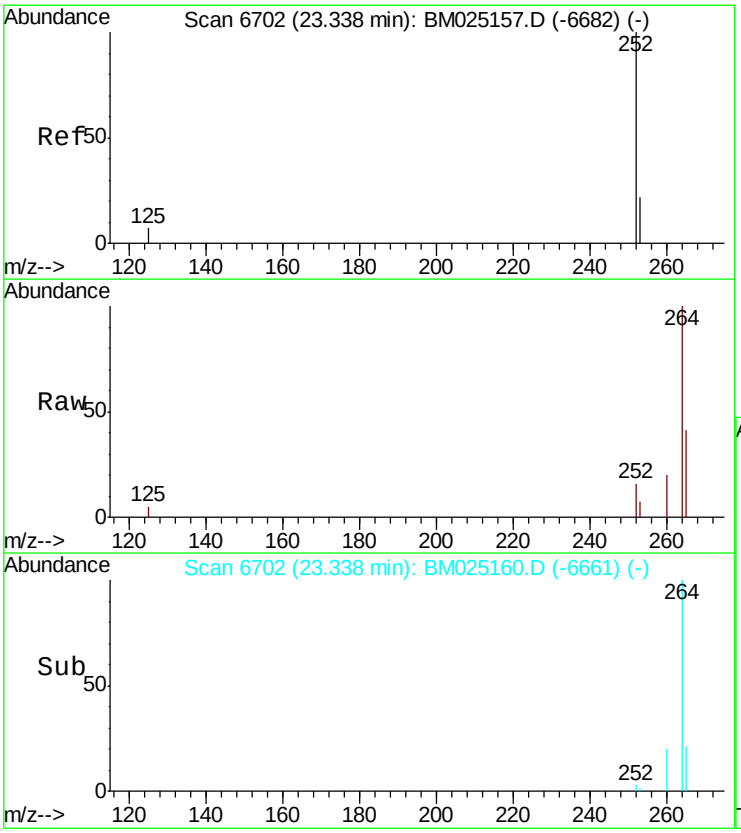
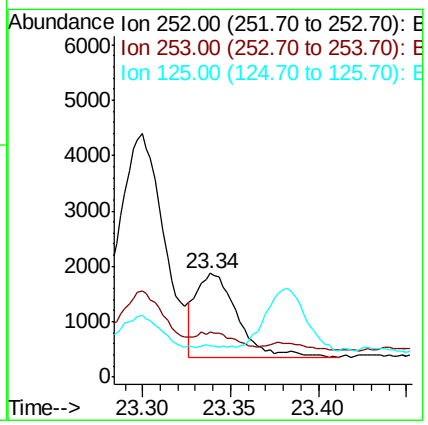
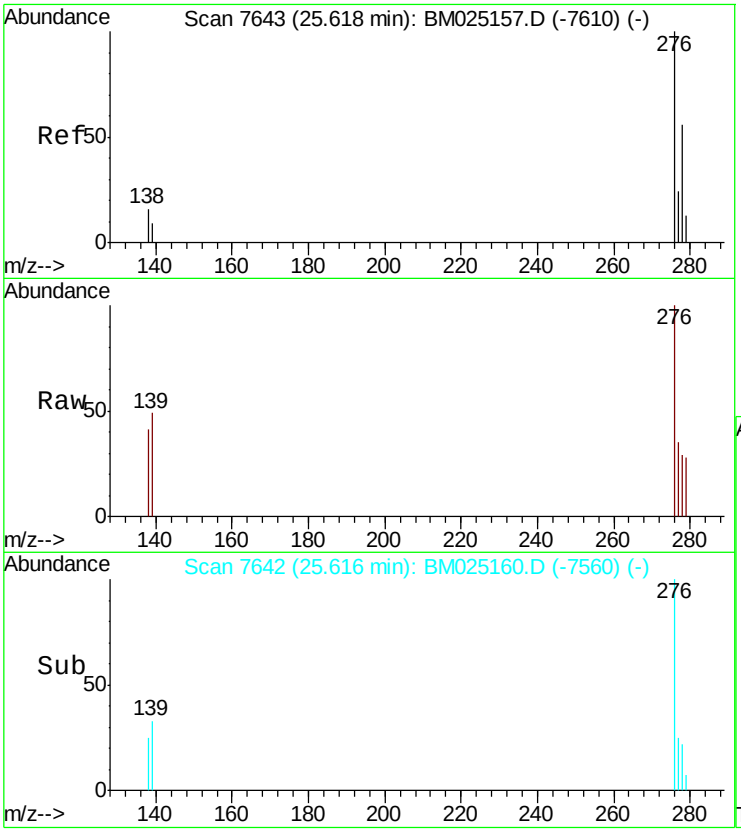



#23
Benzo(a)pyrene
Concen: 0.036 ng/ul
RT: 23.34 min Scan# 6702
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:252 Resp: 2457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 43.4 | 20.3 | 30.5# |
| 125 | 30.3 | 13.0 | 19.4# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng/ul
RT: 25.62 min Scan# 7642
Delta R.T. -0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:276 Resp: 1900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.7 | 0.0 | 0.0# |
| 227 | 0.0 | 0.0 | 0.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
DBD38

**Manual Integrations APPROVED**
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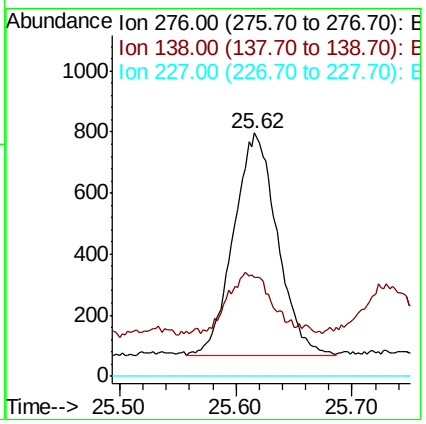


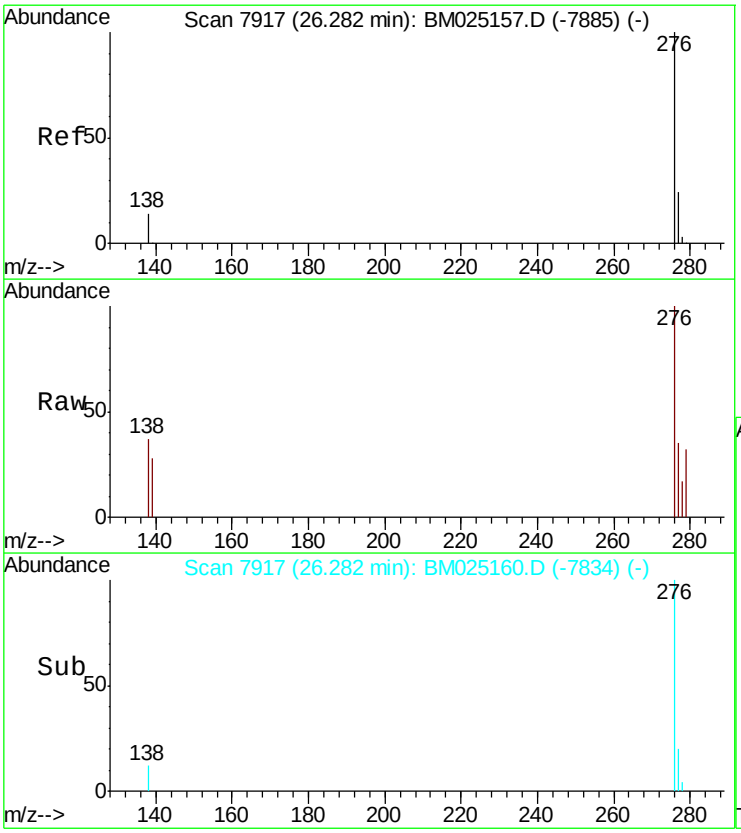


#26
Benzo(g,h,i)perylene
Concen: 0.022 ng/ul
RT: 26.28 min Scan# 7917
Delta R.T. 0.00 min
Lab File: BM025160.D
Acq: 29 Feb 2020 10:19

Tgt Ion:276 Resp: 1630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 37.0 | 17.9 | 26.9# |
| 277 | 35.2 | 20.5 | 30.7# |