Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\
Data File : BM025296.D
Acq On : 05 Mar 2020 20:09
Operator : CG/JU
Sample : L1543-17
Misc :
ALS Vial : 92 Sample Multiplier: 1

Quant Time: Mar 06 11:26:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 08:02:03 2020
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** DBD99

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 3302 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.44 | 136 | 14364 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.30 | 164 | 10708 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.04 | 188 | 24940m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.23 | 240 | 21821 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.42 | 264 | 19224 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.04 | 152 | 6451 | 0.24 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.07 | 212 | 19974 | 0.25 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.49 | 128 | 1566 | 0.036 | ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 12.11 | 142 | 903 | 0.029 | ng/ul | 96 |
| 7) Acenaphthylene | 14.02 | 152 | 2800 | 0.056 | ng/ul | 99 |
| 8) Acenaphthene | 14.36 | 153 | 921 | 0.024 | ng/ul | 95 |
| 9) Fluorene | 15.35 | 166 | 1287 | 0.026 | ng/ul | 99 |
| 12) Phenanthrene | 17.08 | 178 | 10708 | 0.133 | ng/ul | 95 |
| 13) Anthracene | 17.17 | 178 | 35446 | 0.497 | ng/ul | 96 |
| 15) Fluoranthene | 19.10 | 202 | 34200 | 0.340 | ng/ul | 95 |
| 17) Pyrene | 19.46 | 202 | 41345m | 0.500 | ng/ul | |
| 18) Benzo(a)anthracene | 21.21 | 228 | 15726 | 0.196 | ng/ul | 98 |
| 19) Chrysene | 21.26 | 228 | 28813m | 0.327 | ng/ul | |
| 21) Benzo(b)fluoranthene | 22.77 | 252 | 53430m | 0.695 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.80 | 252 | 19006m | 0.236 | ng/ul | |
| 23) Benzo(a)pyrene | 23.32 | 252 | 13891 | 0.215 | ng/ul# | 93 |
| 24) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 18383 | 0.228 | ng/ul# | 100 |
| 25) Dibenzo(a,h)anthracene | 25.60 | 278 | 4640 | 0.070 | ng/ul# | 84 |
| 26) Benzo(g,h,i)perylene | 26.25 | 276 | 11688 | 0.171 | ng/ul# | 93 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030320\
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Acq On : 05 Mar 2020 20:09
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Misc :
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**Instrument :**
BNA_M
**ClientSampleId :**
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**Manual Integrations APPROVED**
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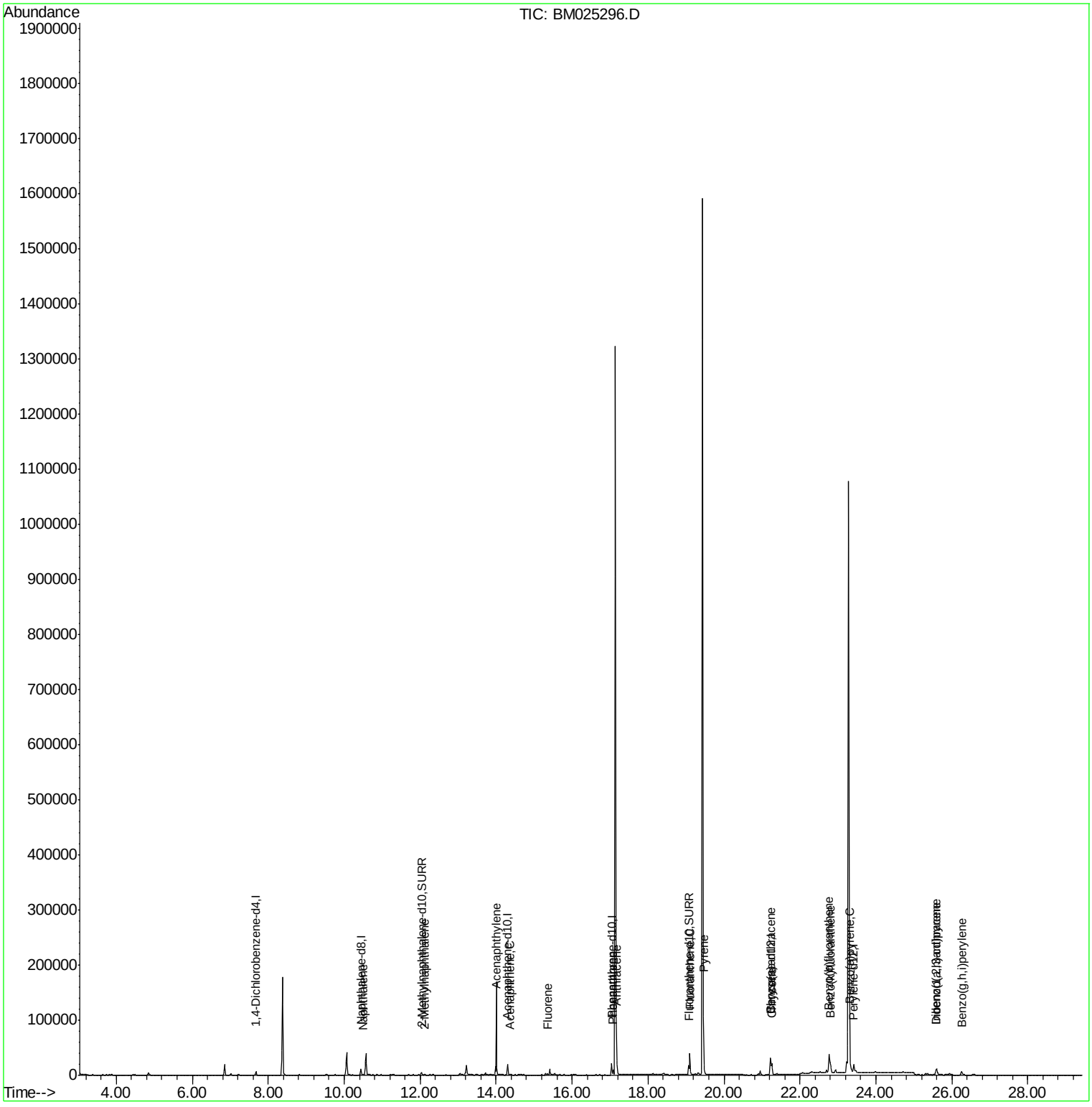
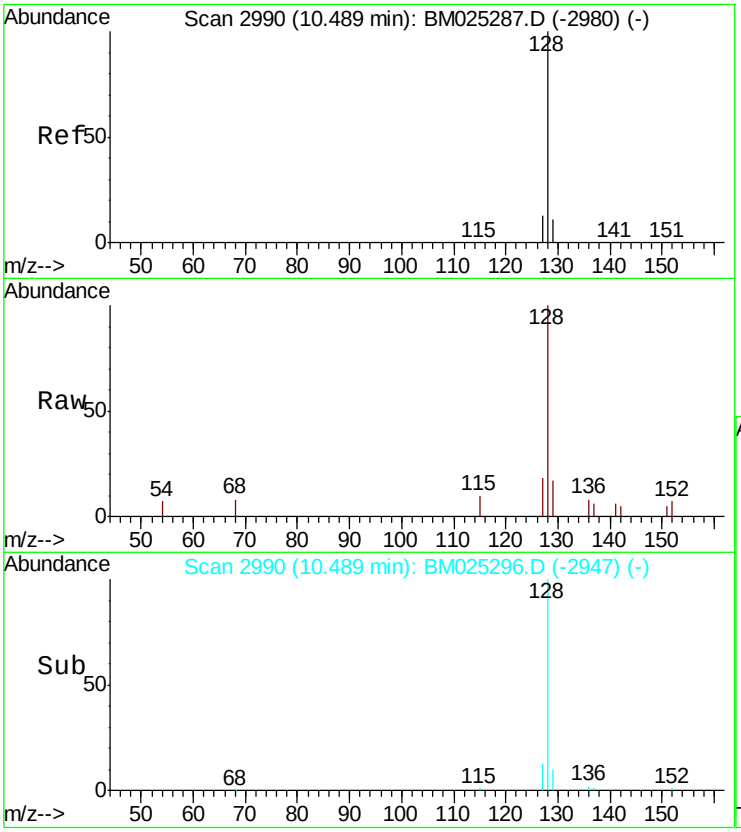
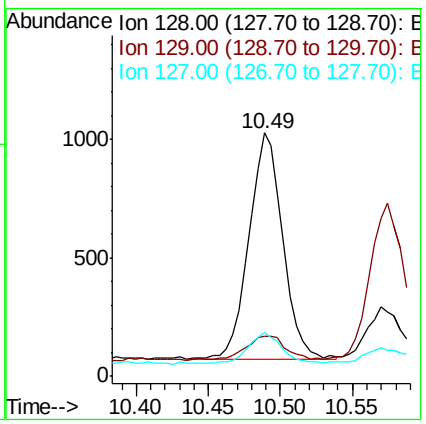





#3
Naphthalene
Concen: 0.036 ng/ul
RT: 10.49 min Scan# 2990
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:128 Resp: 1566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 16.6 | 17.0 | 25.6# |
| 127 | 18.0 | 15.7 | 23.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD99

**Manual Integrations APPROVED**
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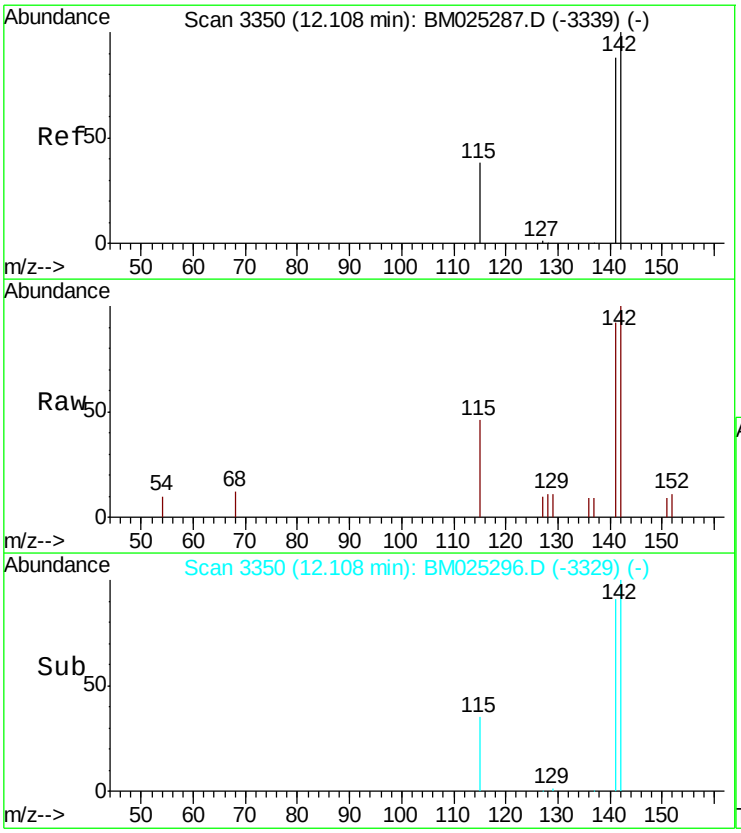
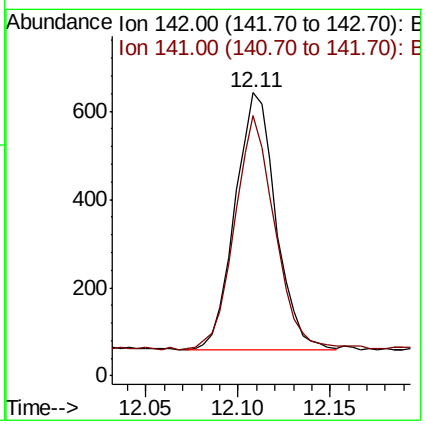
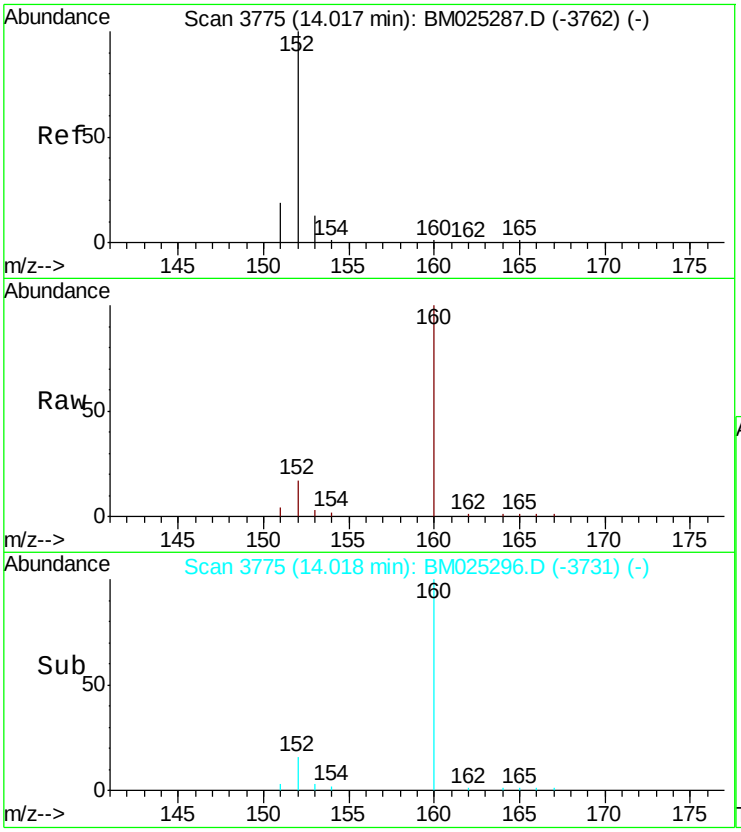



#5
2-Methylnaphthalene
Concen: 0.029 ng/ul
RT: 12.11 min Scan# 3350
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:142 Resp: 903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.7 | 69.8 | 104.8 |

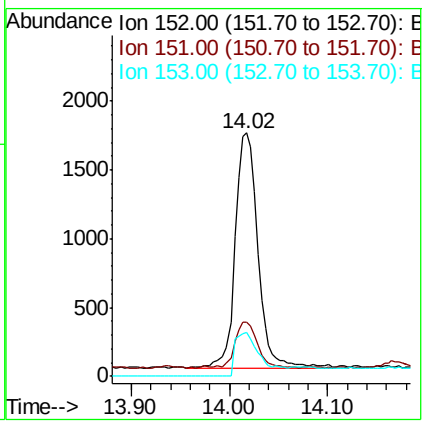





#7
Acenaphthylene
Concen: 0.056 ng/ul
RT: 14.02 min Scan# 3775
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:152 Resp: 2800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.2 | 17.8 | 26.8 |
| 153 | 17.8 | 13.3 | 19.9 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD99

**Manual Integrations APPROVED**
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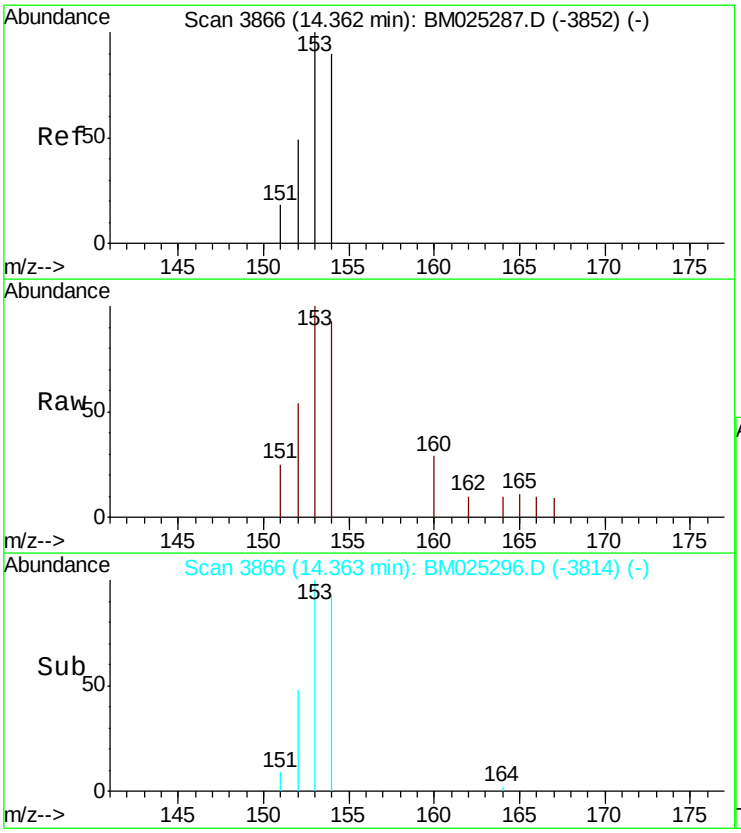
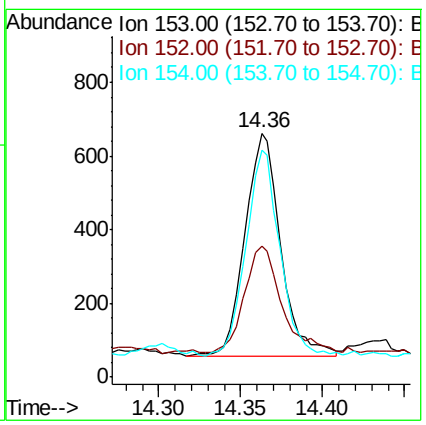
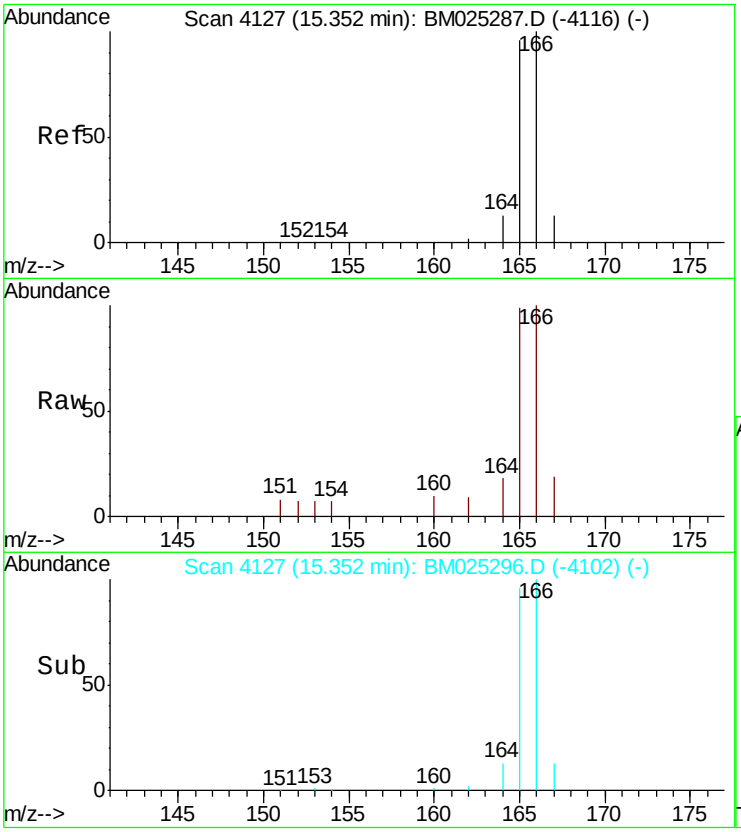



#8
Acenaphthene
Concen: 0.024 ng/ul
RT: 14.36 min Scan# 3866
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:153 Resp: 921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 53.7 | 40.0 | 60.0 |
| 154 | 93.3 | 71.0 | 106.6 |

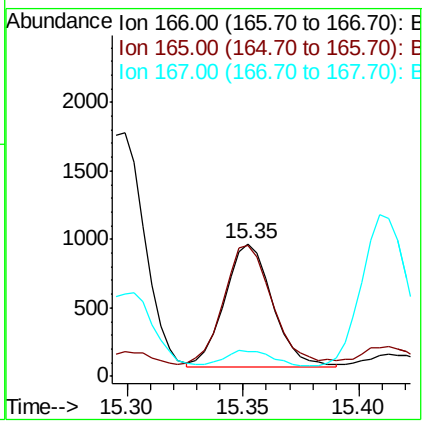





#9
Fluorene
Concen: 0.026 ng/ul
RT: 15.35 min Scan# 4127
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:166 Resp: 1287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.0 | 80.0 | 120.0 |
| 167 | 18.6 | 13.7 | 20.5 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD99

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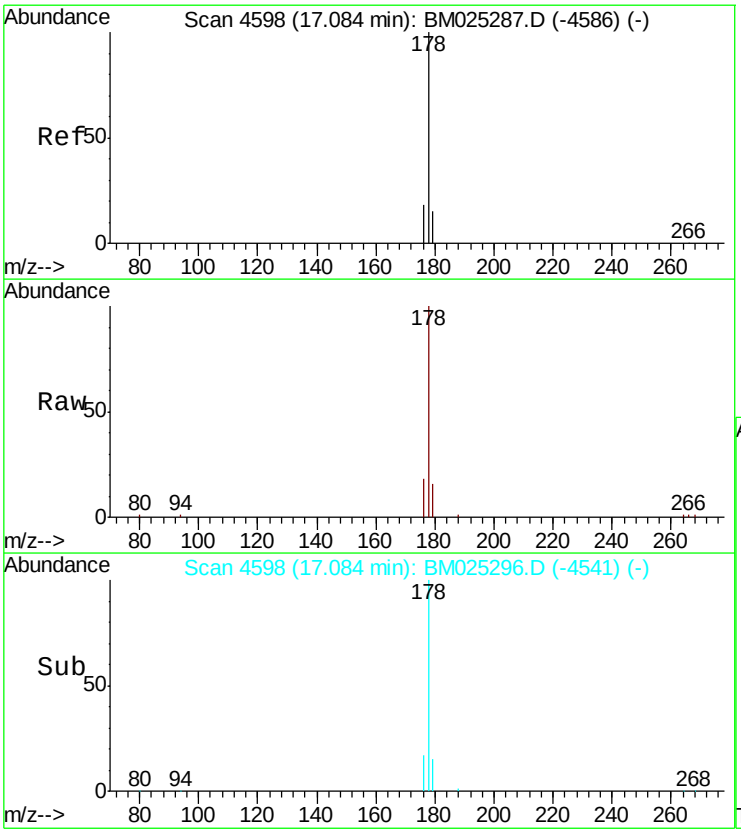
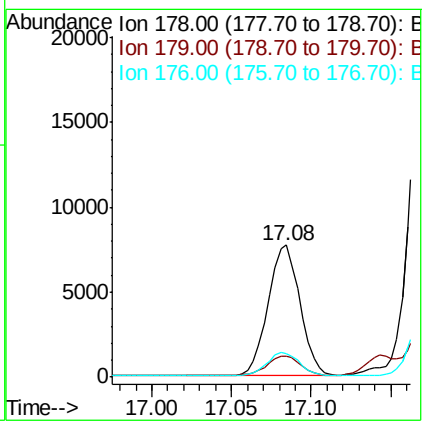
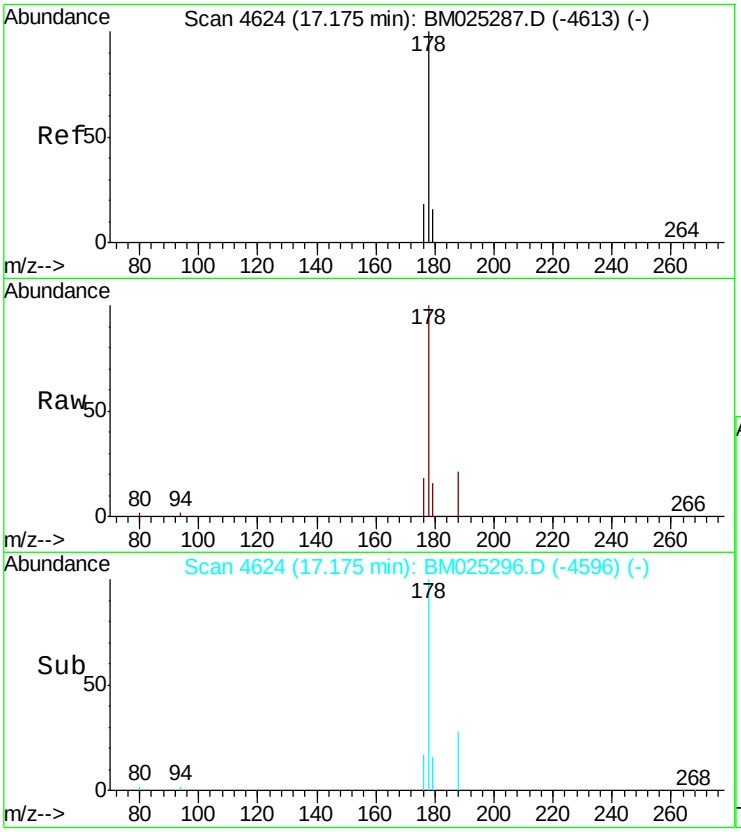



#12
Phenanthrene
Concen: 0.133 ng/ul
RT: 17.08 min Scan# 4598
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:178 Resp: 10708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 14.0 | 21.0 |
| 176 | 18.2 | 16.6 | 24.8 |






#13
Anthracene
Concen: 0.497 ng/ul
RT: 17.17 min Scan# 4624
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:178 Resp: 35446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 14.1 | 21.1 |
| 176 | 17.9 | 16.2 | 24.4 |

**Instrument :**
BNA_M
**ClientSampleId :**
DBD99

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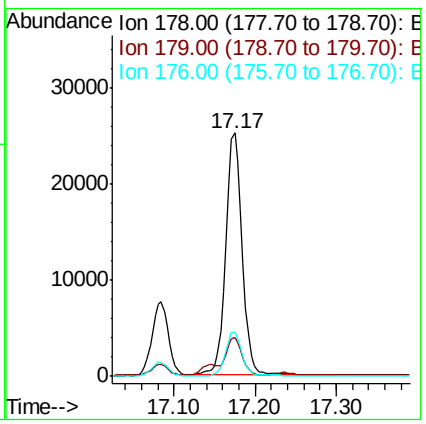
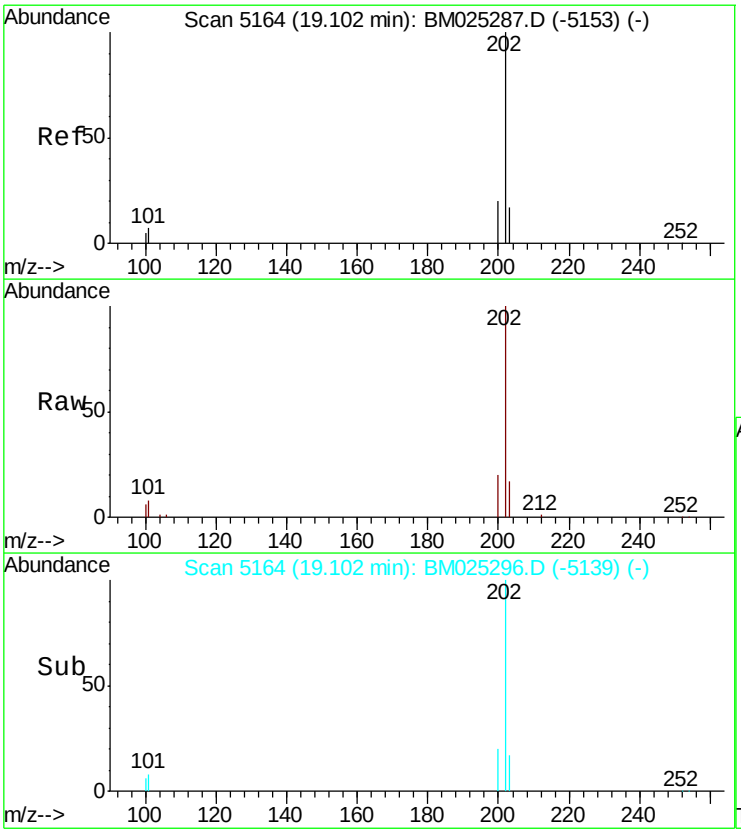
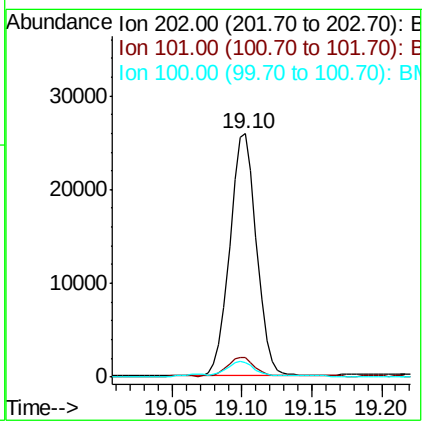


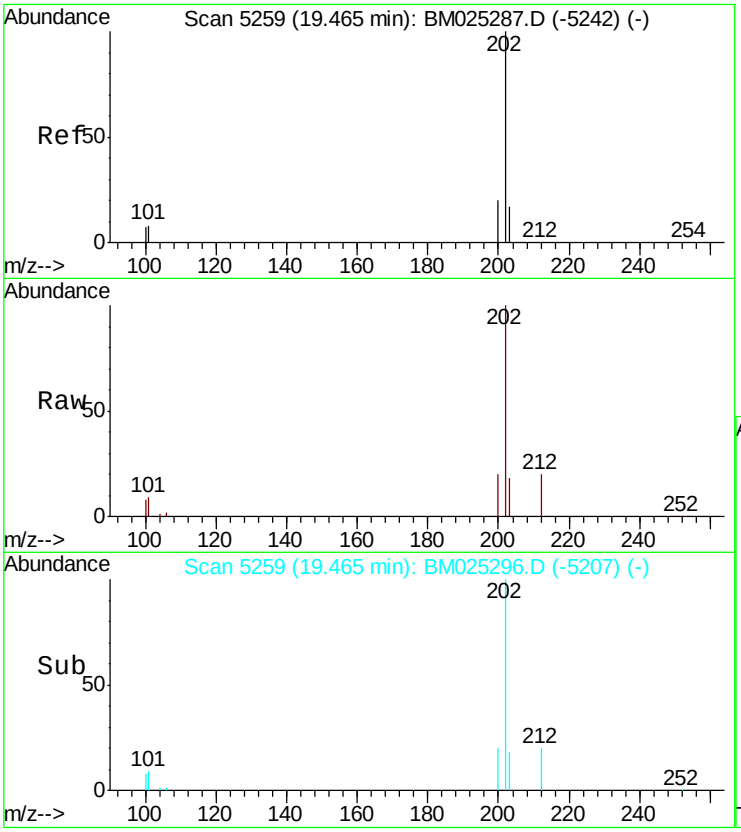




#15
Fluoranthene
Concen: 0.340 ng/ul
RT: 19.10 min Scan# 5164
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:202 Resp: 34200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 0.0 | 29.4 |
| 100 | 6.0 | 0.0 | 28.0 |

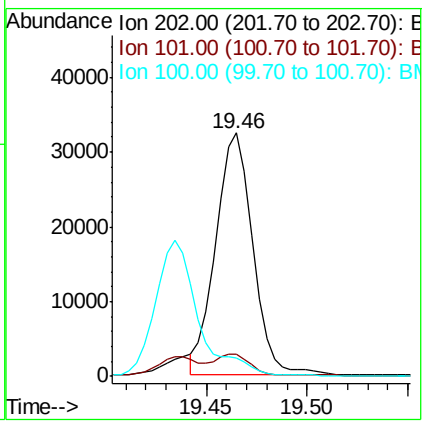





#17
Pyrene
Concen: 0.500 ng/ul m
RT: 19.46 min Scan# 5259
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:202 Resp: 41345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 8.7 | 13.1 |
| 100 | 7.7 | 7.3 | 10.9 |




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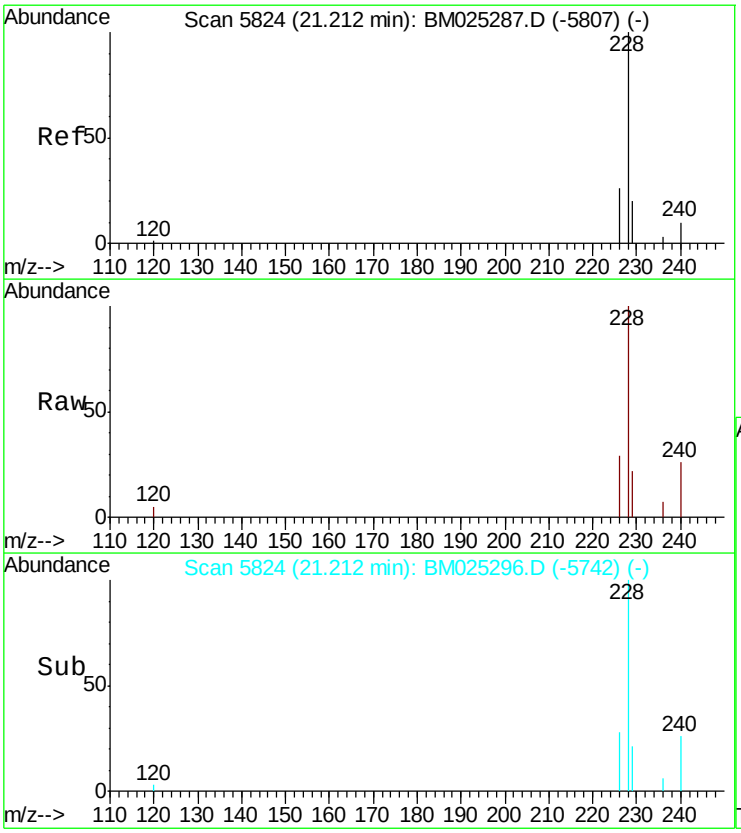
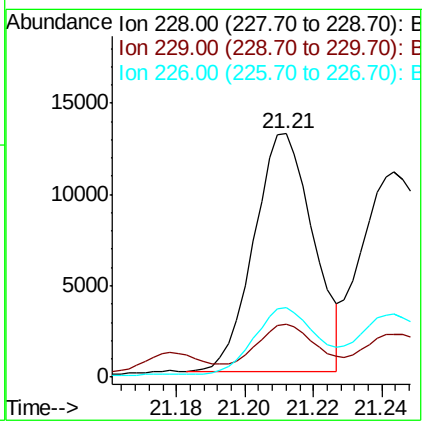
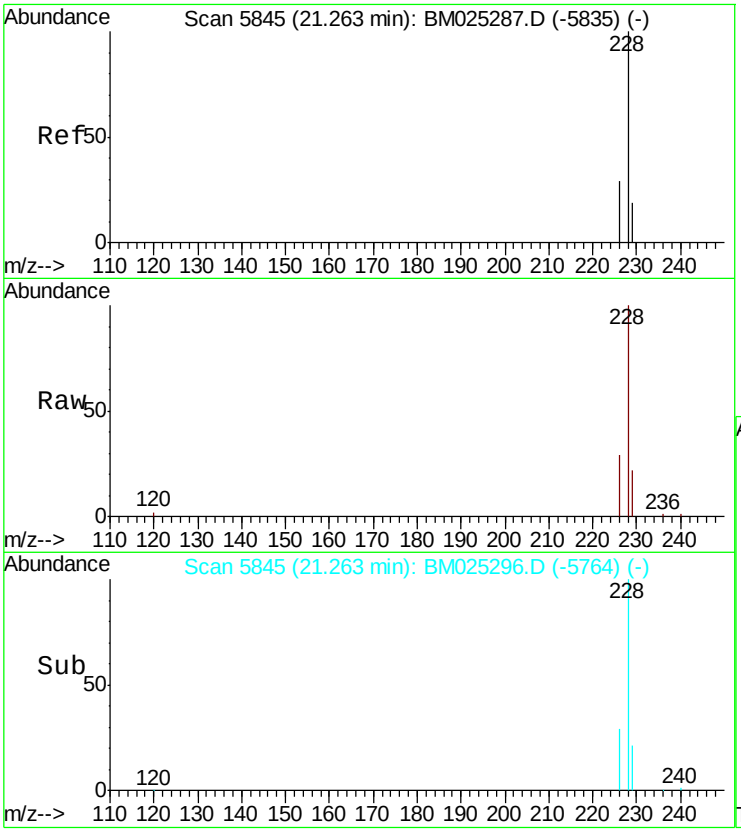



#18
Benzo(a)anthracene
Concen: 0.196 ng/ul
RT: 21.21 min Scan# 5824
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:228 Resp: 15726

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.0 | 16.6 | 25.0 |
| 226 | 28.7 | 21.9 | 32.9 |

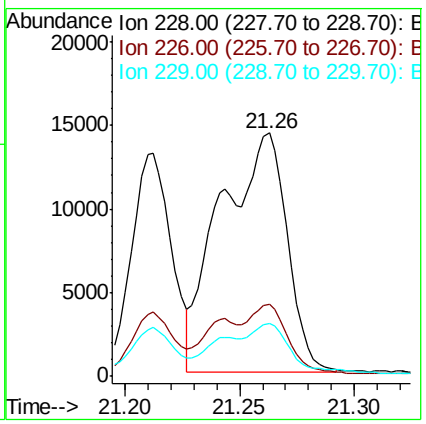





#19
Chrysene
Concen: 0.327 ng/ul m
RT: 21.26 min Scan# 5845
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:228 Resp: 28813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.8 | 35.8 |
| 229 | 21.7 | 16.9 | 25.3 |




**Instrument :**
BNA_M
**ClientSampleId :**
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**Manual Integrations APPROVED**
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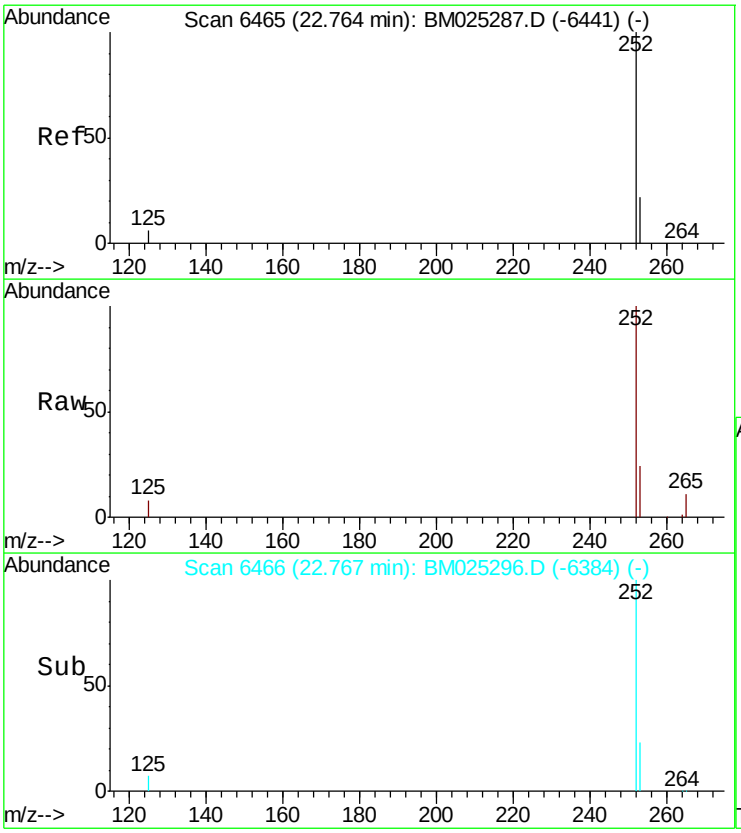
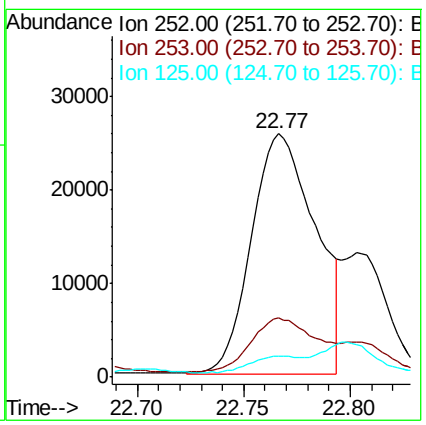
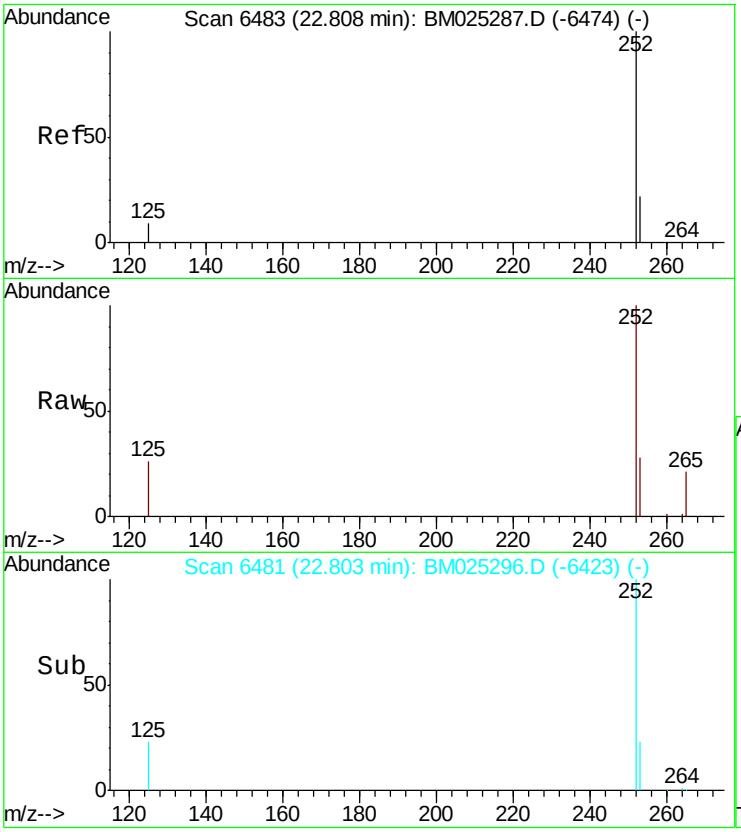



#21
Benzo(b)fluoranthene
Concen: 0.695 ng/ul m
RT: 22.77 min Scan# 6466
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:252 Resp: 53430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 0.0 | 49.8 |
| 125 | 8.5 | 0.0 | 28.6 |






#22
Benzo(k)fluoranthene
Concen: 0.236 ng/ul m
RT: 22.80 min Scan# 6481
Delta R.T. -0.01 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:252 Resp: 19006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.8 | 19.4 | 29.0 |
| 125 | 26.1 | 10.7 | 16.1# |

**Instrument :**
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**ClientSampleId :**
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**Manual Integrations APPROVED**
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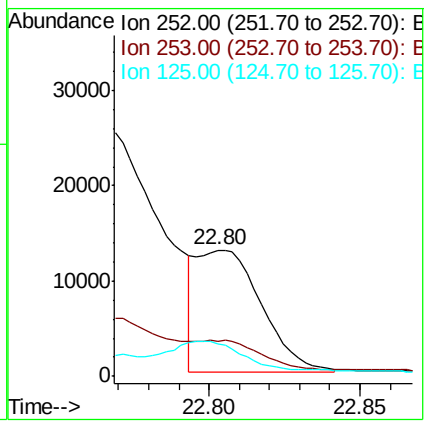
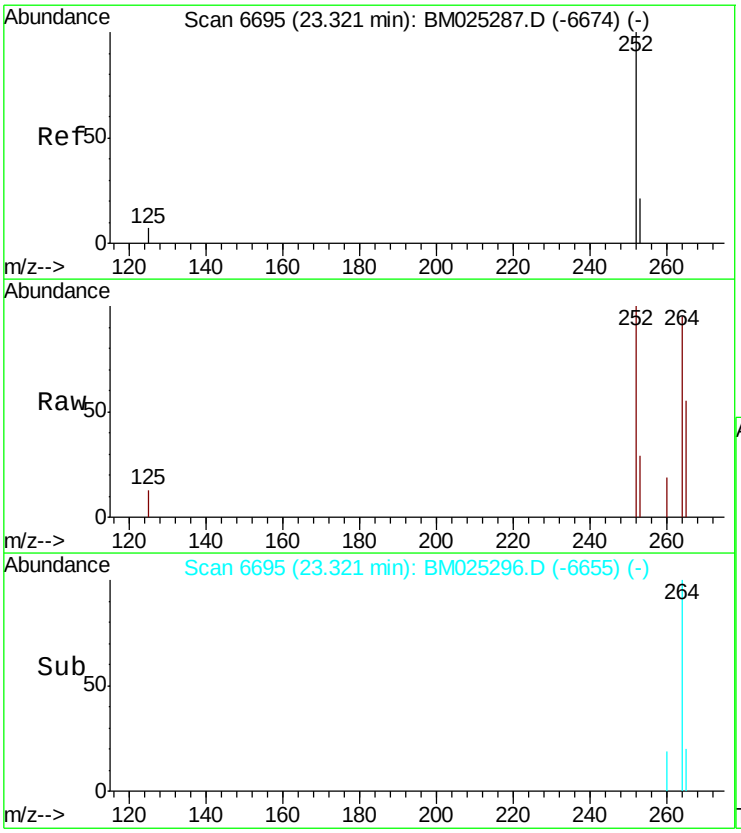
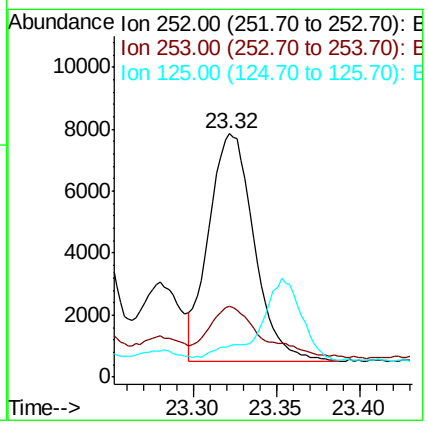


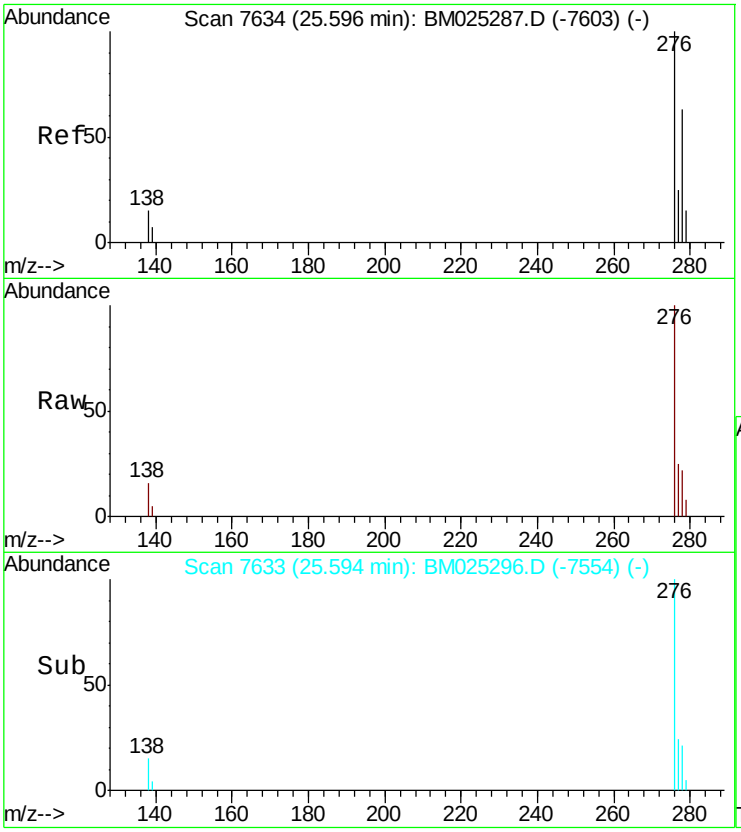




#23
Benzo(a)pyrene
Concen: 0.215 ng/ul
RT: 23.32 min Scan# 6695
Delta R.T. -0.00 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:252 Resp: 13891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.9 | 20.3 | 30.5 |
| 125 | 12.8 | 13.0 | 19.4# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.228 ng/ul
RT: 25.59 min Scan# 7633
Delta R.T. -0.01 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:276 Resp: 18383

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

**Instrument :**
BNA_M
**ClientSampleId :**
DBD99

**Manual Integrations APPROVED**
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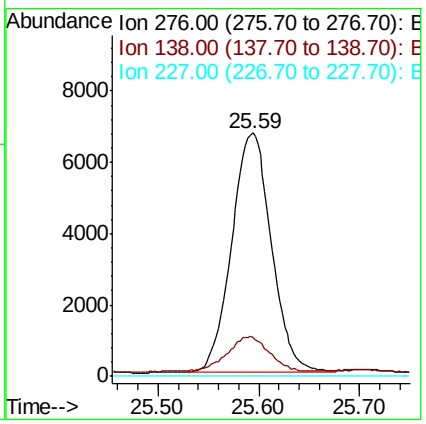
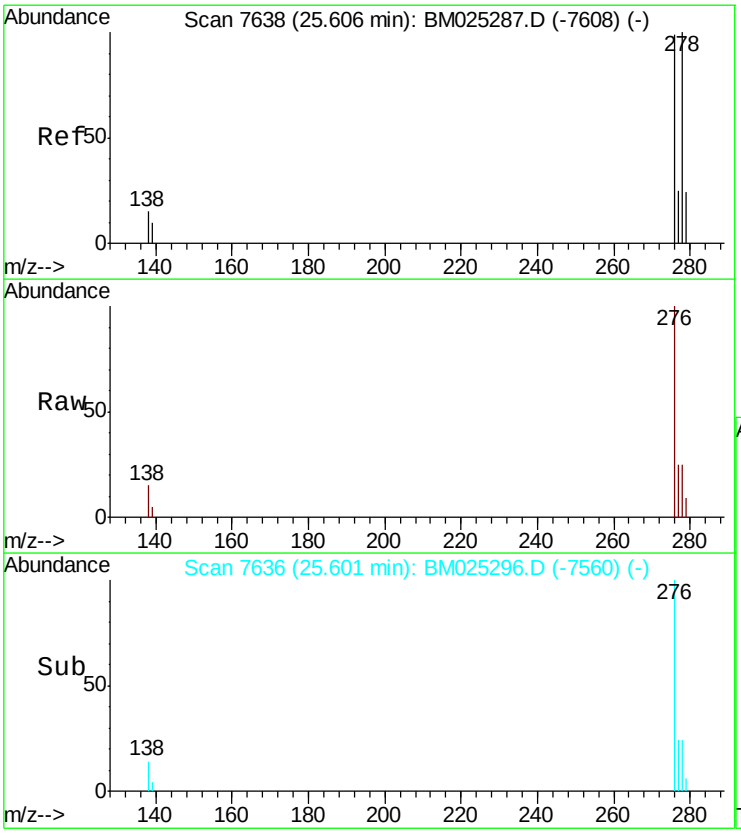
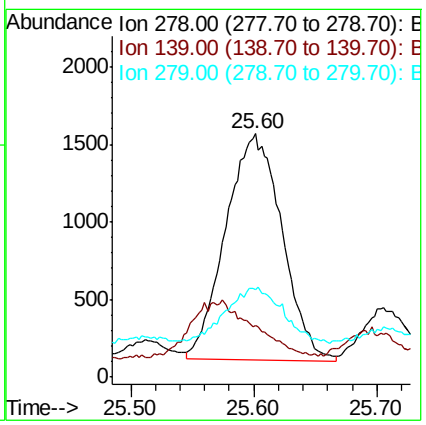


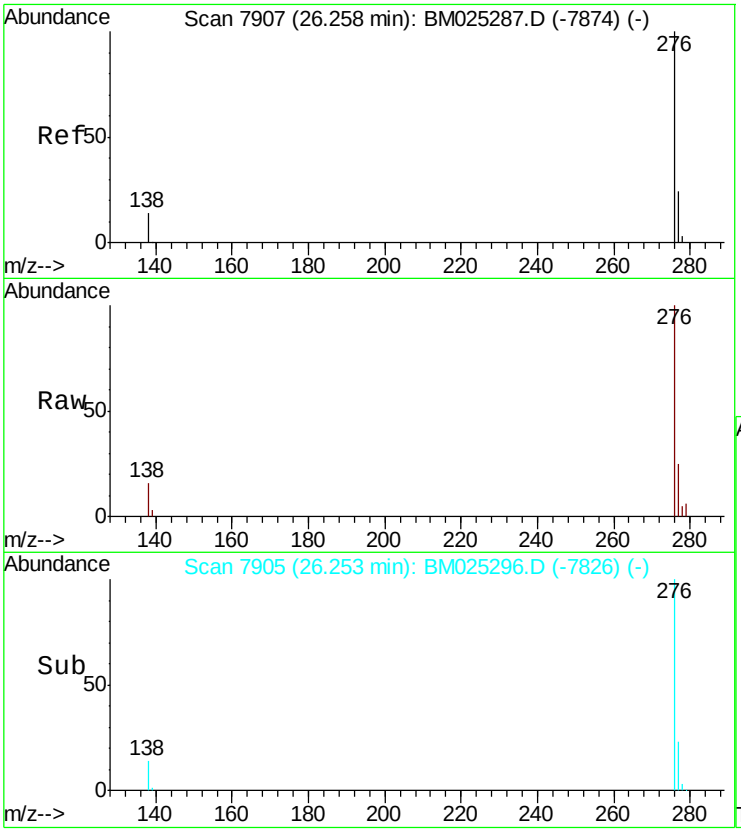




#25
Dibenzo(a,h)anthracene
Concen: 0.070 ng/ul
RT: 25.60 min Scan# 7636
Delta R.T. -0.02 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:278 Resp: 4640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 21.2 | 13.2 | 19.8# |
| 279 | 35.8 | 21.0 | 31.4# |

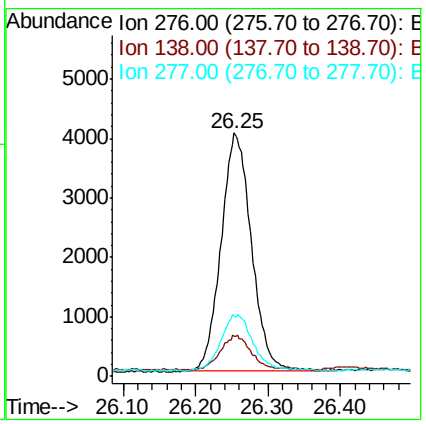





#26
Benzo(g,h,i)perylene
Concen: 0.171 ng/ul
RT: 26.25 min Scan# 7905
Delta R.T. -0.01 min
Lab File: BM025296.D
Acq: 05 Mar 2020 20:09

Tgt Ion:276 Resp: 11688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.3 | 17.9 | 26.9# |
| 277 | 24.7 | 20.5 | 30.7 |




**Instrument :**
BNA_M
**ClientSampleId :**
DBD99

**Manual Integrations APPROVED**
mohammad
3/6/2020 10:15:07 PM