Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\
Data File : BM025483.D
Acq On : 11 Mar 2020 10:13
Operator : CG/JU
Sample : L1677-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

Quant Time: Mar 11 13:45:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 11 07:15:41 2020
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** C0CC5

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 3760 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.43 | 136 | 15976 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.29 | 164 | 10353 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.03 | 188 | 20508 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.22 | 240 | 16396 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.40 | 264 | 17837 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.02 | 152 | 2692 | 0.09 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.06 | 212 | 5580 | 0.10 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.48 | 128 | 3176 | 0.067 | ng/ul | 95 |
| 5) 2-Methylnaphthalene | 12.09 | 142 | 1712 | 0.051 | ng/ul | 99 |
| 7) Acenaphthylene | 14.01 | 152 | 1532 | 0.036 | ng/ul# | 89 |
| 9) Fluorene | 15.34 | 166 | 990 | 0.022 | ng/ul# | 92 |
| 12) Phenanthrene | 17.07 | 178 | 12669 | 0.195 | ng/ul | 99 |
| 13) Anthracene | 17.16 | 178 | 2735 | 0.048 | ng/ul# | 91 |
| 15) Fluoranthene | 19.09 | 202 | 37606 | 0.534 | ng/ul | 98 |
| 17) Pyrene | 19.45 | 202 | 34223 | 0.465 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.20 | 228 | 15940 | 0.272 | ng/ul | 98 |
| 19) Chrysene | 21.26 | 228 | 22903 | 0.348 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.75 | 252 | 28219m | 0.400 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.79 | 252 | 12349m | 0.167 | ng/ul | |
| 23) Benzo(a)pyrene | 23.31 | 252 | 15339 | 0.262 | ng/ul# | 98 |
| 24) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 11652 | 0.146 | ng/ul# | 98 |
| 25) Dibenzo(a,h)anthracene | 25.58 | 278 | 3018 | 0.045 | ng/ul# | 72 |
| 26) Benzo(g,h,i)perylene | 26.23 | 276 | 10035 | 0.145 | ng/ul# | 96 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\
Data File : BM025483.D
Acq On : 11 Mar 2020 10:13
Operator : CG/JU
Sample : L1677-01
Misc :
ALS Vial : 76 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 11 07:15:41 2020
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**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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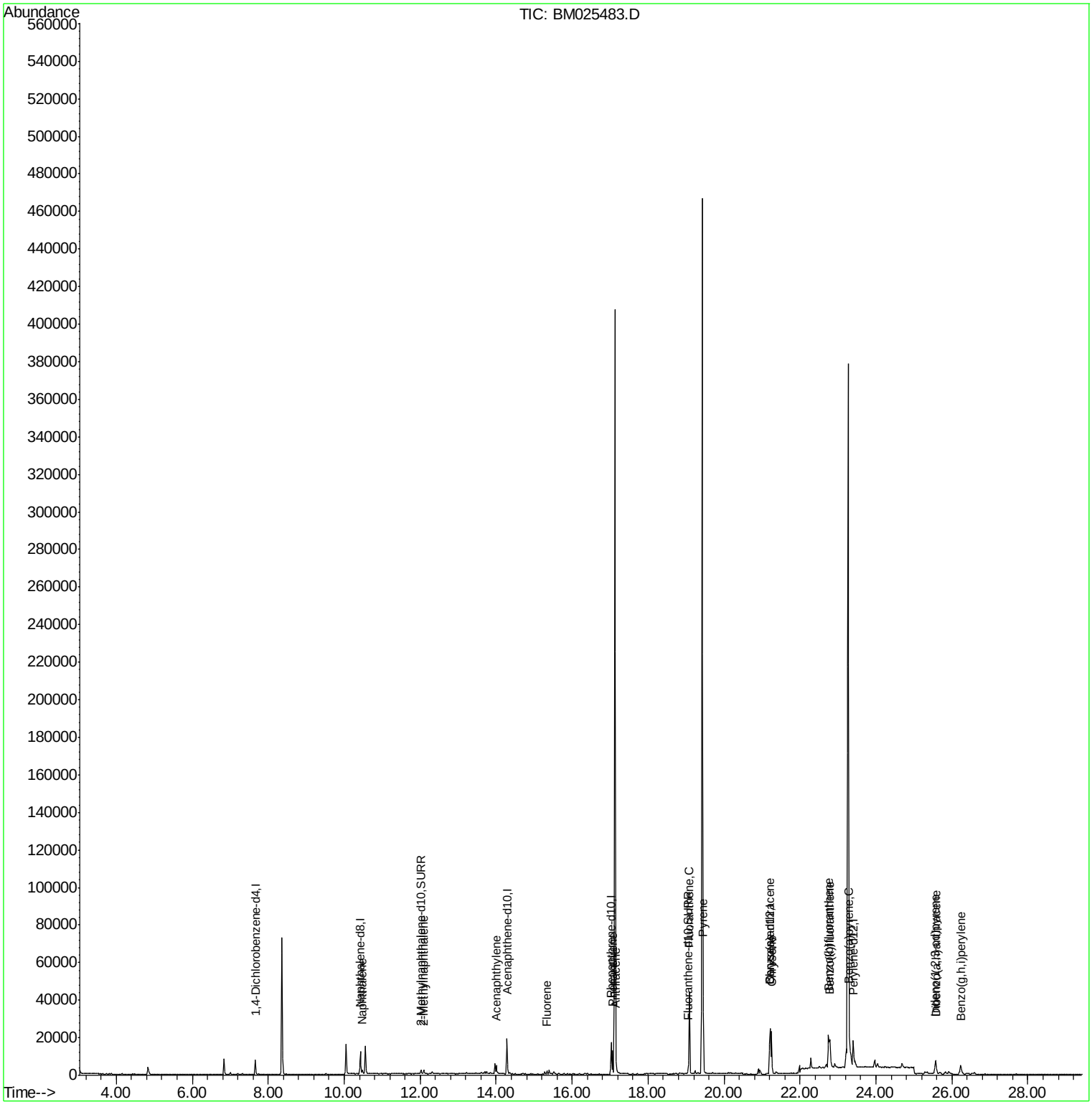

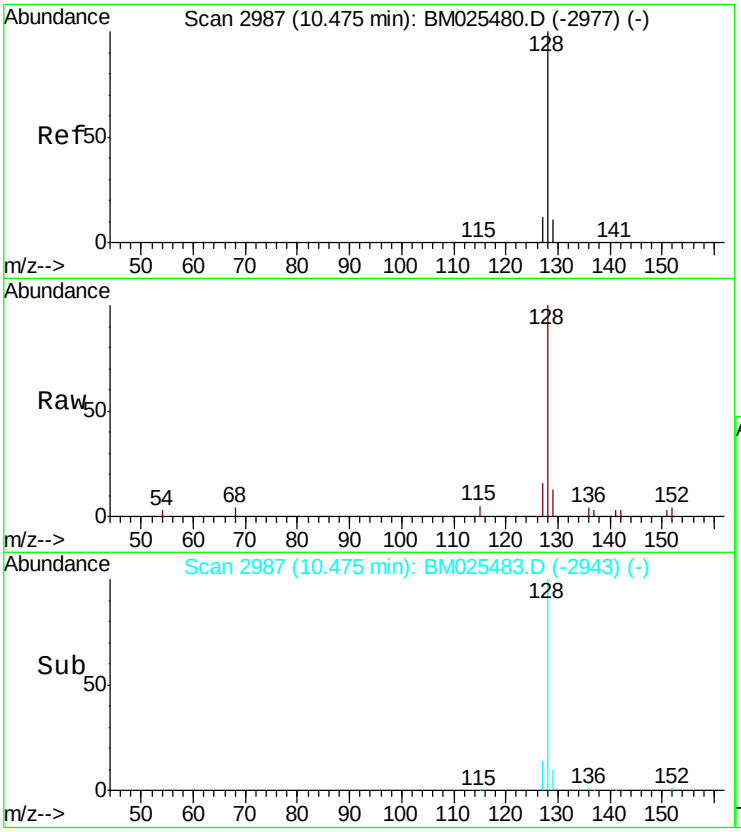


#3
Naphthalene
Concen: 0.067 ng/ul
RT: 10.48 min Scan# 2987
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:128 Resp: 3176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.3 | 9.4 | 14.0 |
| 127 | 16.0 | 10.9 | 16.3 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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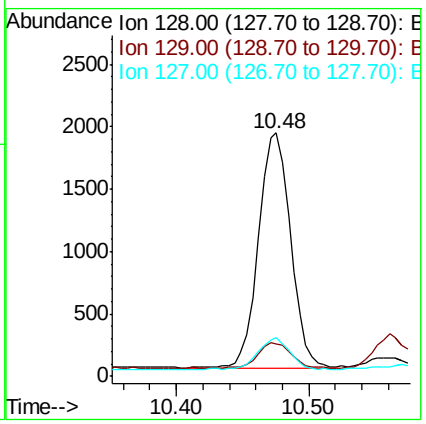
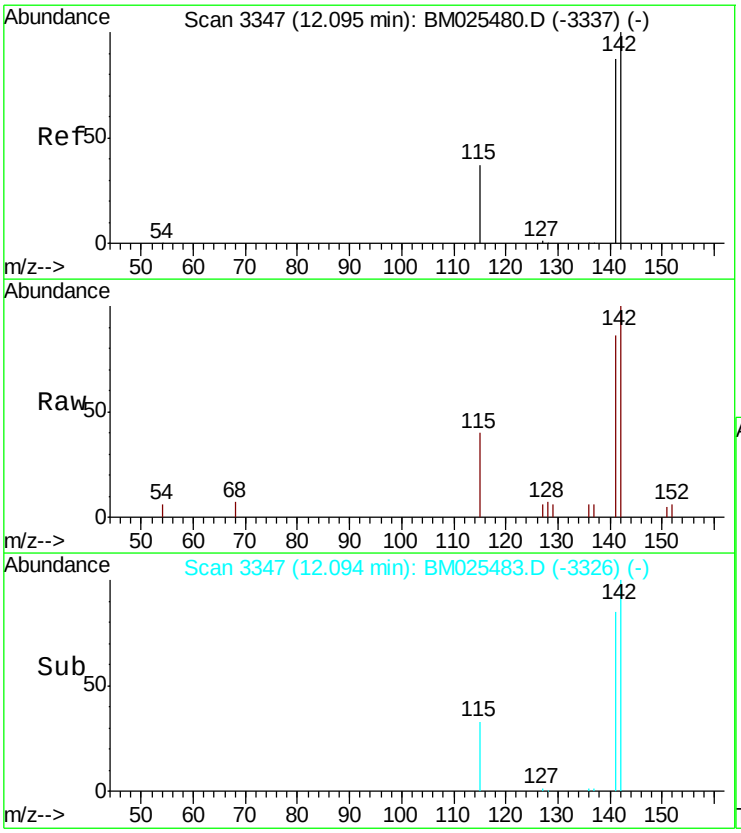
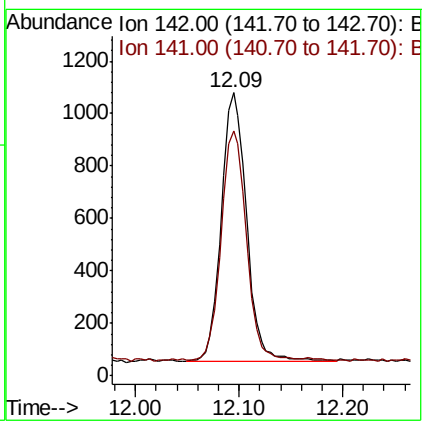


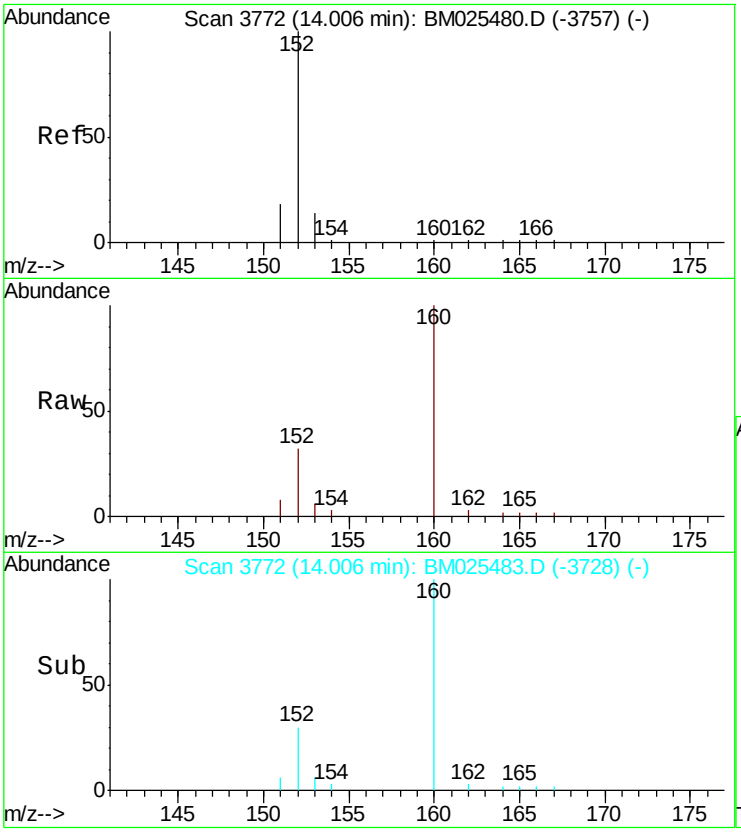




#5
2-Methylnaphthalene
Concen: 0.051 ng/ul
RT: 12.09 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:142 Resp: 1712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 69.8 | 104.6 |






#7
Acenaphthylene
Concen: 0.036 ng/ul
RT: 14.01 min Scan# 3772
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:152 Resp: 1532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 25.0 | 16.2 | 24.2# |
| 153 | 18.5 | 10.6 | 16.0# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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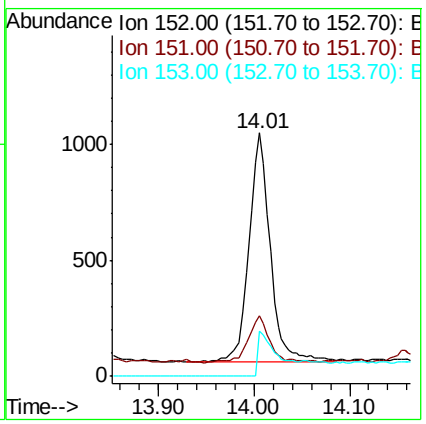
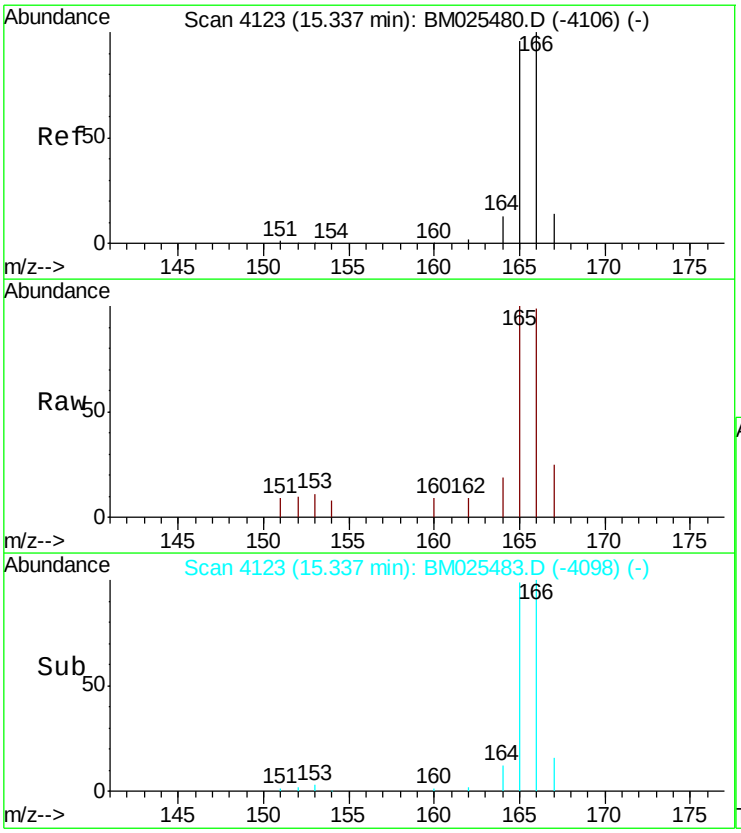
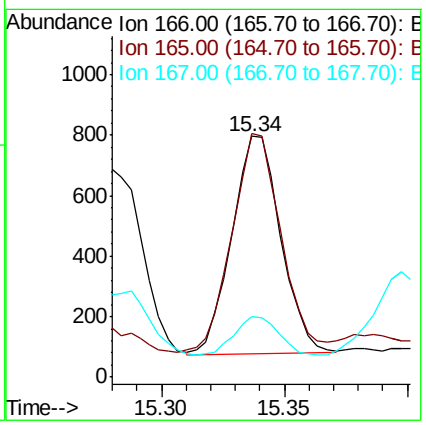


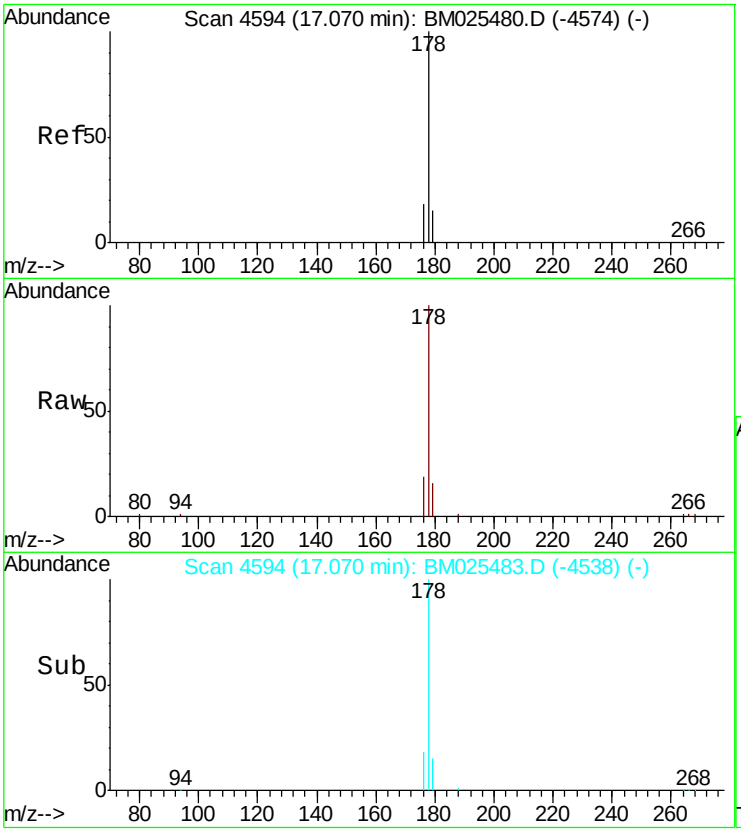




#9
Fluorene
Concen: 0.022 ng/ul
RT: 15.34 min Scan# 4123
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:166 Resp: 990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.1 | 76.8 | 115.2 |
| 167 | 25.3 | 11.2 | 16.8# |

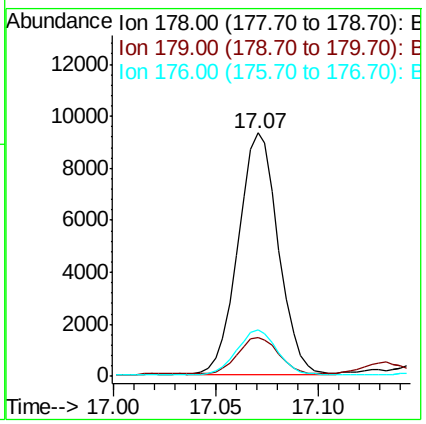





#12
Phenanthrene
Concen: 0.195 ng/ul
RT: 17.07 min Scan# 4594
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:178 Resp: 12669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.4 | 18.6 |
| 176 | 19.0 | 14.8 | 22.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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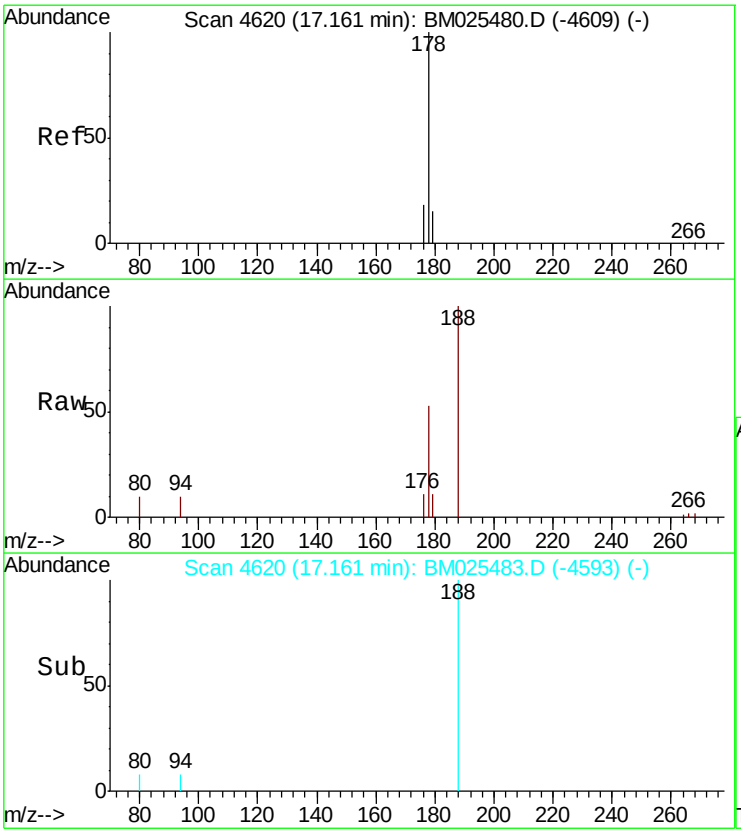
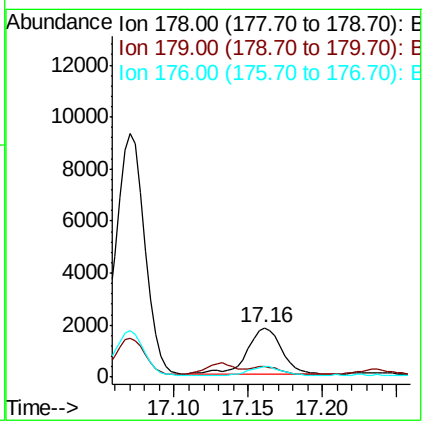
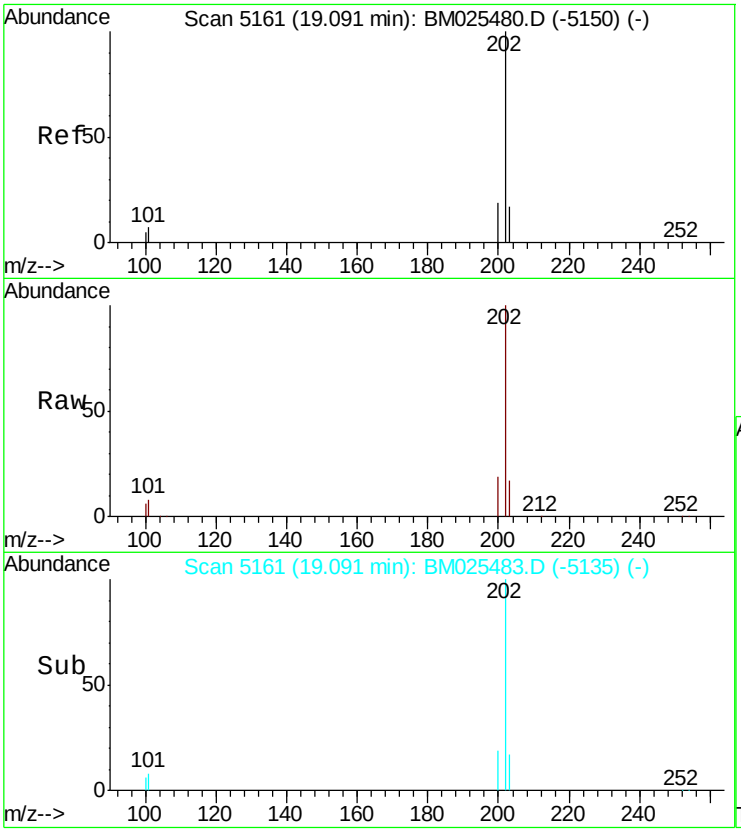



#13
Anthracene
Concen: 0.048 ng/ul
RT: 17.16 min Scan# 4620
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:178 Resp: 2735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.9 | 12.6 | 18.8# |
| 176 | 20.5 | 14.5 | 21.7 |

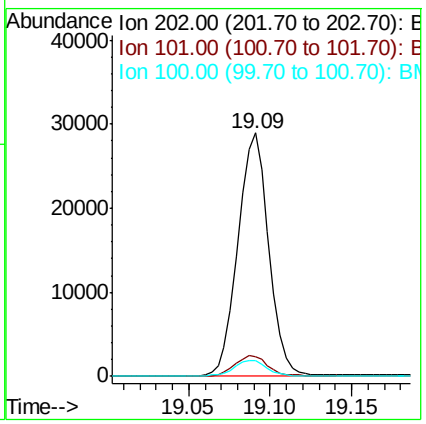





#15
Fluoranthene
Concen: 0.534 ng/ul
RT: 19.09 min Scan# 5161
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:202 Resp: 37606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.2 | 0.0 | 27.5 |
| 100 | 6.4 | 0.0 | 26.0 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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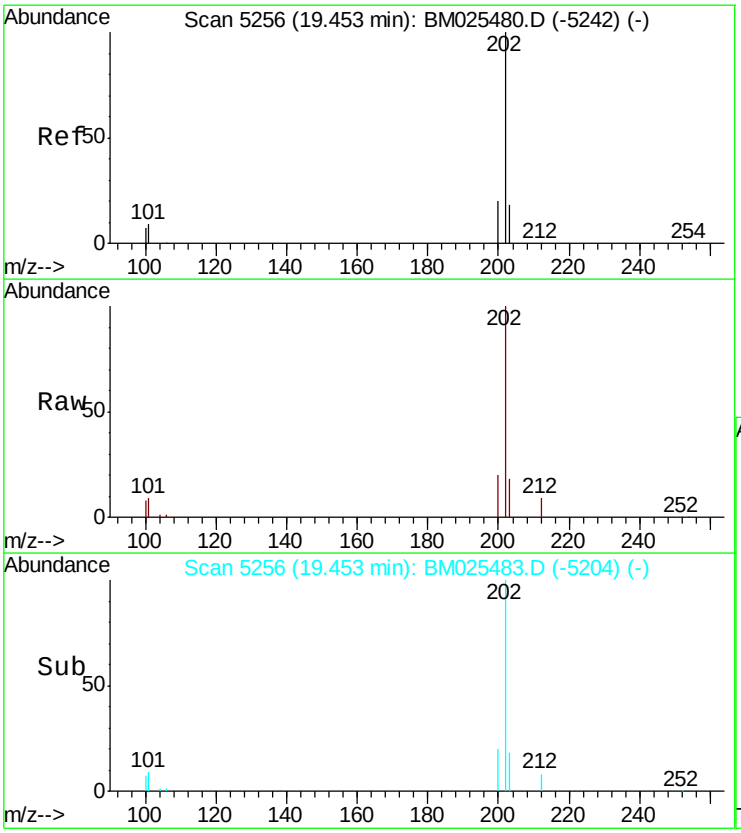
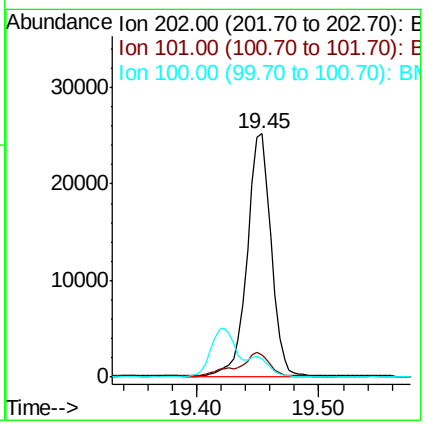
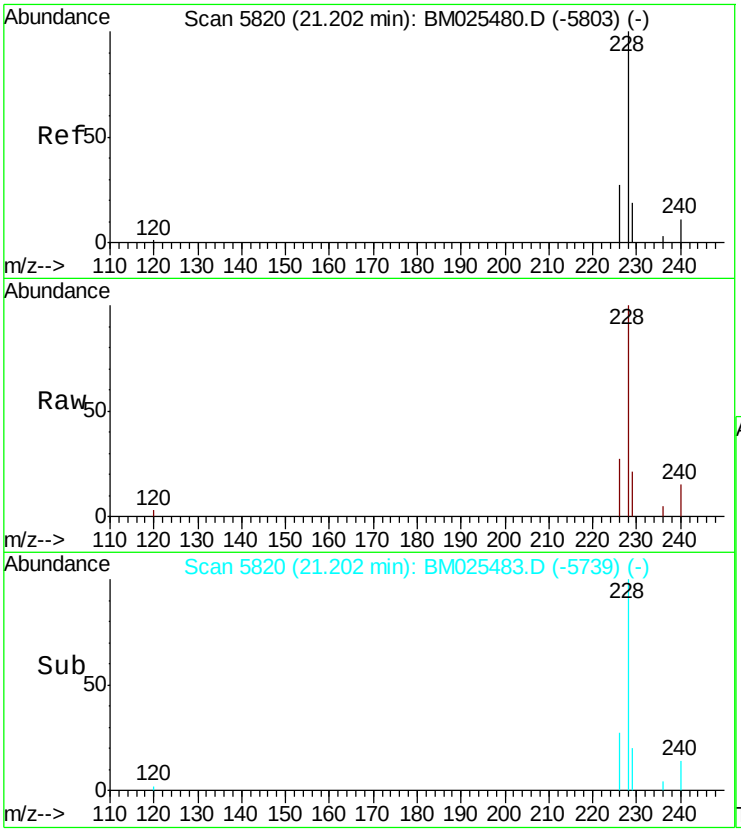



#17
Pyrene
Concen: 0.465 ng/ul
RT: 19.45 min Scan# 5256
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:202 Resp: 34223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.3 | 7.1 | 10.7 |
| 100 | 7.6 | 6.0 | 9.0 |






#18
Benzo(a)anthracene
Concen: 0.272 ng/ul
RT: 21.20 min Scan# 5820
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:228 Resp: 15940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.0 | 15.6 | 23.4 |
| 226 | 27.4 | 21.1 | 31.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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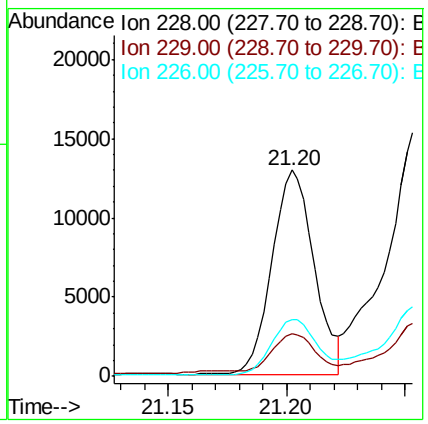
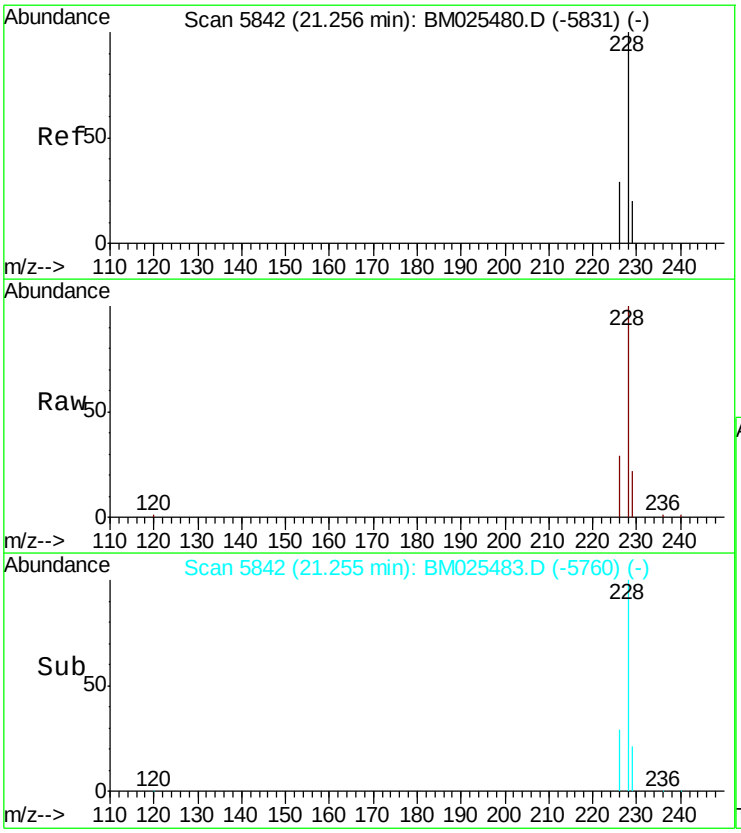
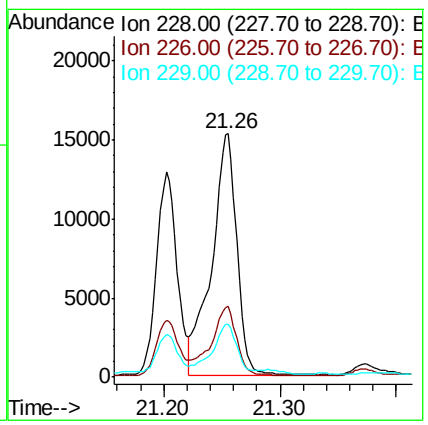


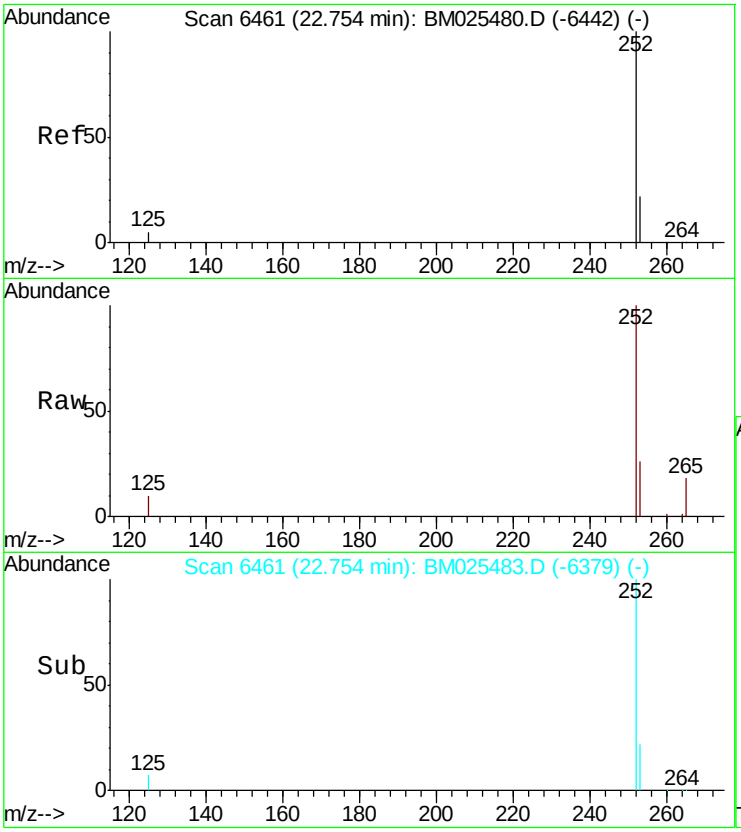




#19
Chrysene
Concen: 0.348 ng/ul
RT: 21.26 min Scan# 5842
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:228 Resp: 22903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.1 | 23.6 | 35.4 |
| 229 | 21.8 | 16.3 | 24.5 |

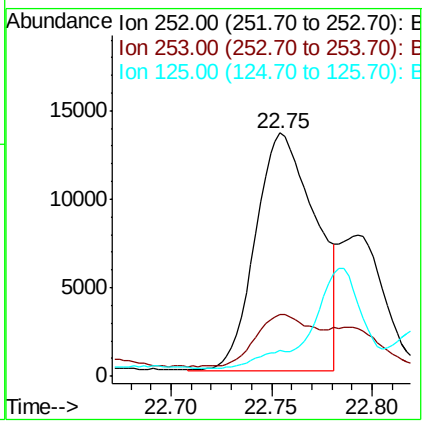





#21
Benzo(b)fluoranthene
Concen: 0.400 ng/ul m
RT: 22.75 min Scan# 6461
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:252 Resp: 28219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.6 | 0.0 | 50.2 |
| 125 | 10.4 | 0.0 | 17.6 |




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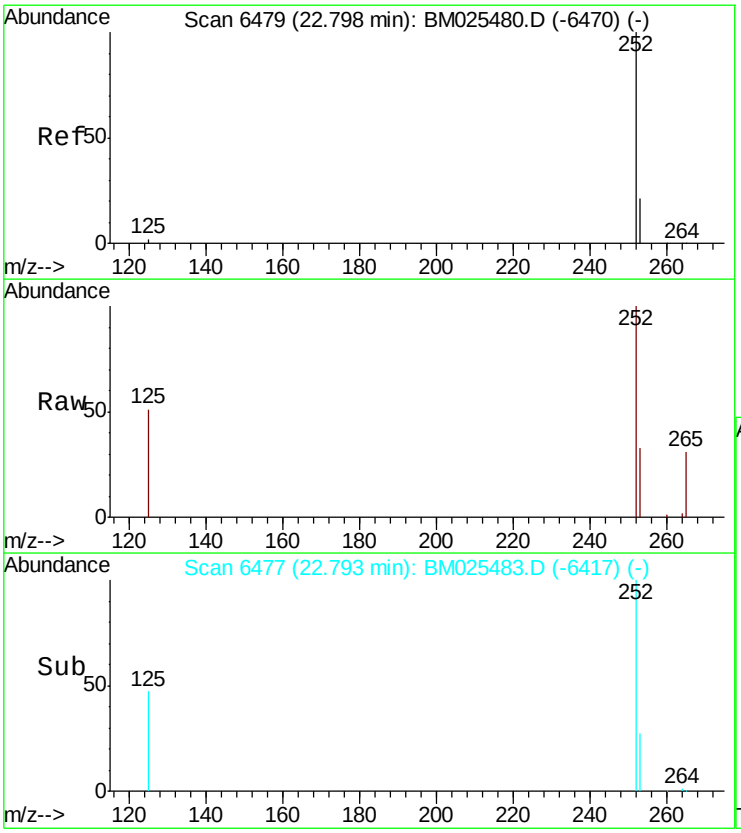
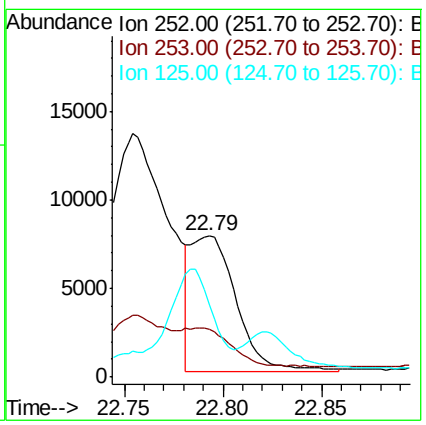
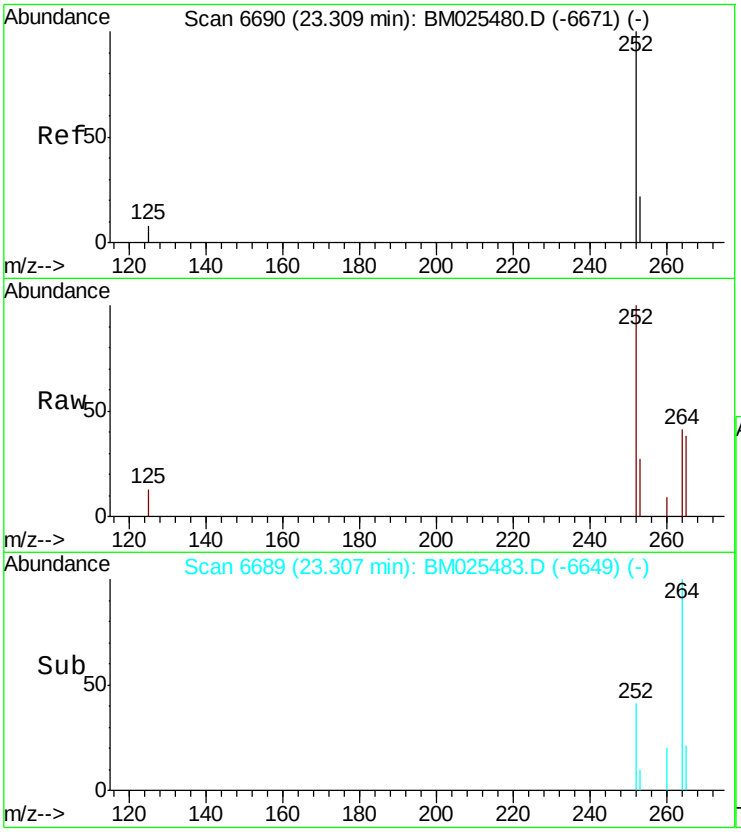



#22
Benzo(k)fluoranthene
Concen: 0.167 ng/ul m
RT: 22.79 min Scan# 6477
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:252 Resp: 12349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.3 | 19.8 | 29.8# |
| 125 | 50.7 | 7.1 | 10.7# |






#23
Benzo(a)pyrene
Concen: 0.262 ng/ul
RT: 23.31 min Scan# 6689
Delta R.T. -0.00 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:252 Resp: 15339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.2 | 21.3 | 31.9 |
| 125 | 12.8 | 8.5 | 12.7# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

**Manual Integrations APPROVED**
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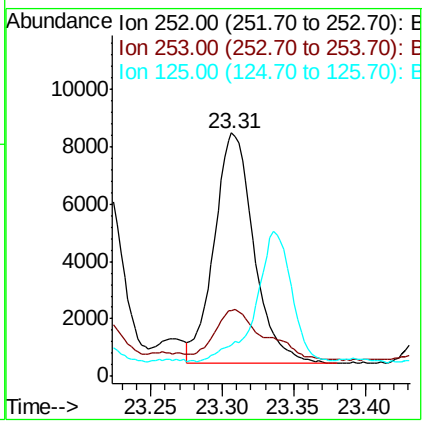
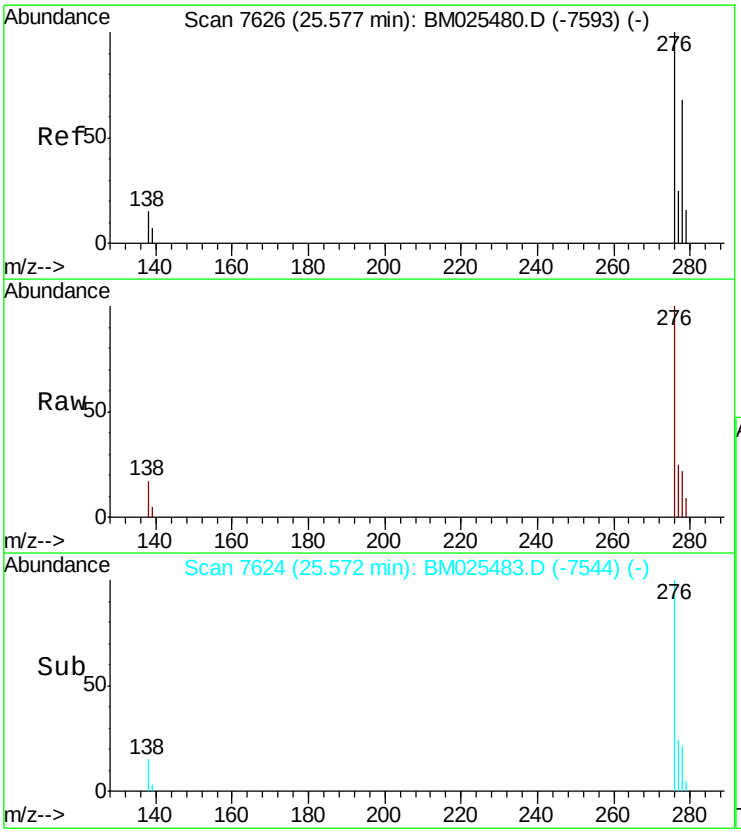
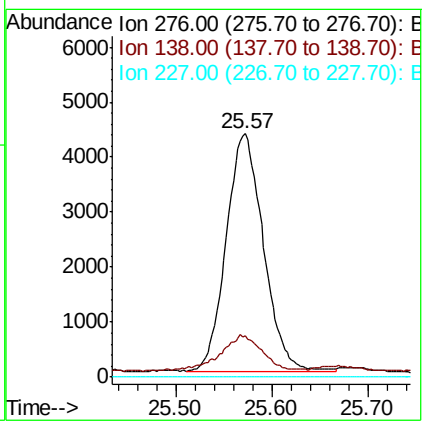


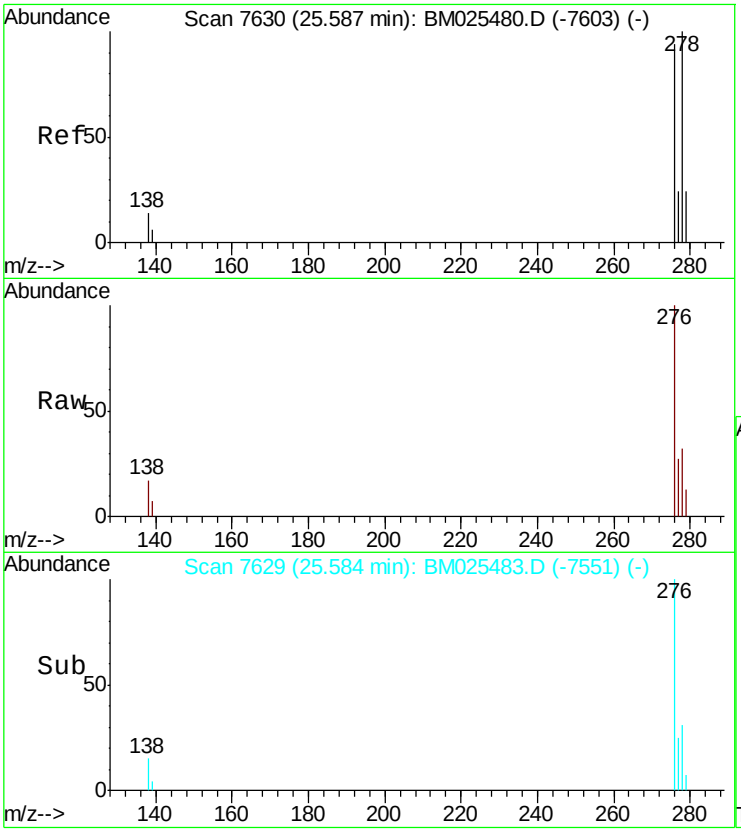




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.146 ng/ul
RT: 25.57 min Scan# 7624
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:276 Resp: 11652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.4 | 12.3 | 18.5 |
| 227 | 0.0 | 0.0 | 0.0 |






#25
Dibenzo(a,h)anthracene
Concen: 0.045 ng/ul
RT: 25.58 min Scan# 7629
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:278 Resp: 3018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.8 | 9.0 | 13.6# |
| 279 | 41.1 | 21.1 | 31.7# |

**Instrument :**
BNA_M
**ClientSampleId :**
C0CC5

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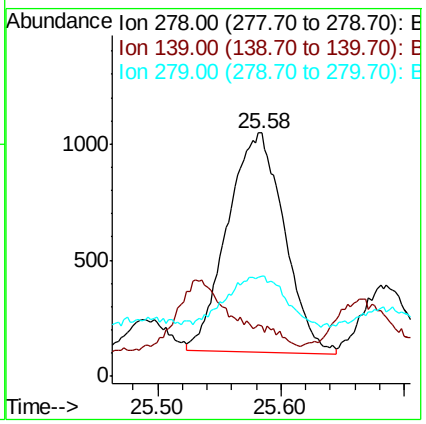


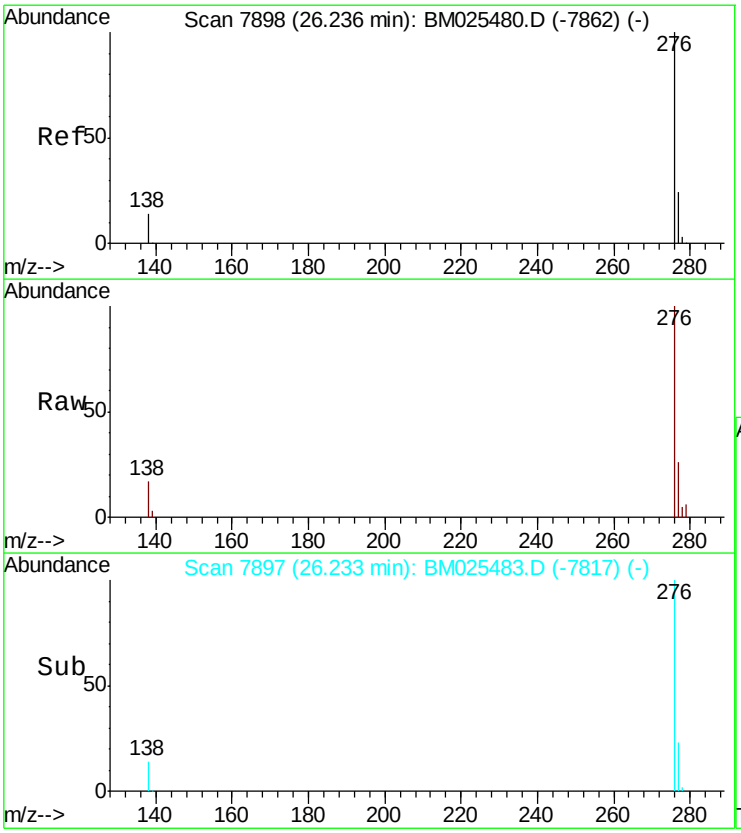


#26
Benzo(g,h,i)perylene
Concen: 0.145 ng/ul
RT: 26.23 min Scan# 7897
Delta R.T. -0.01 min
Lab File: BM025483.D
Acq: 11 Mar 2020 10:13

Tgt Ion:276 Resp: 10035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.8 | 11.0 | 16.4# |
| 277 | 25.6 | 19.8 | 29.6 |