Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM021967.D
Acq On : 09 Aug 2019 12:58
Operator : HP/JU
Sample : K4029-18DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 05:41:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
Sohil
8/13/2019 8:35:44 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 828 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.41 | 136 | 3600 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.27 | 164 | 1970 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.03 | 188 | 4271 | 0.40 | ng/ul | -0.01 |
| 16) Chrysene-d12 | 21.23 | 240 | 4122 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.45 | 264 | 5514 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.03 | 152 | 1311 | 0.22 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.07 | 212 | 2810 | 0.20 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.46 | 128 | 255 | 0.025 | ng/ul# | 48 |
| 5) 2-Methylnaphthalene | 12.10 | 142 | 205 | 0.030 | ng/ul | 99 |
| 7) Acenaphthylene | 14.00 | 152 | 383 | 0.042 | ng/ul# | 69 |
| 8) Acenaphthene | 14.34 | 153 | 506 | 0.067 | ng/ul | 93 |
| 9) Fluorene | 15.33 | 166 | 430 | 0.052 | ng/ul# | 94 |
| 12) Phenanthrene | 17.07 | 178 | 7509 | 0.604 | ng/ul | 98 |
| 13) Anthracene | 17.17 | 178 | 1498 | 0.141 | ng/ul# | 90 |
| 15) Fluoranthene | 19.10 | 202 | 9830 | 0.590 | ng/ul | 99 |
| 17) Pyrene | 19.46 | 202 | 12519 | 0.739 | ng/ul | 96 |
| 18) Benzo(a)anthracene | 21.22 | 228 | 6622 | 0.449 | ng/ul | 99 |
| 19) Chrysene | 21.27 | 228 | 6392 | 0.337 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 6863m | 0.369 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.82 | 252 | 2145m | 0.102 | ng/ul | |
| 23) Benzo(a)pyrene | 23.35 | 252 | 5119 | 0.271 | ng/ul | 91 |
| 24) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 3222 | 0.143 | ng/ul# | 97 |
| 25) Dibenzo(a,h)anthracene | 25.67 | 278 | 882 | 0.048 | ng/ul# | 48 |
| 26) Benzo(g,h,i)perylene | 26.34 | 276 | 2771 | 0.136 | ng/ul# | 91 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
Data File : BM021967.D
Acq On : 09 Aug 2019 12:58
Operator : HP/JU
Sample : K4029-18DL 5X
Misc :
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**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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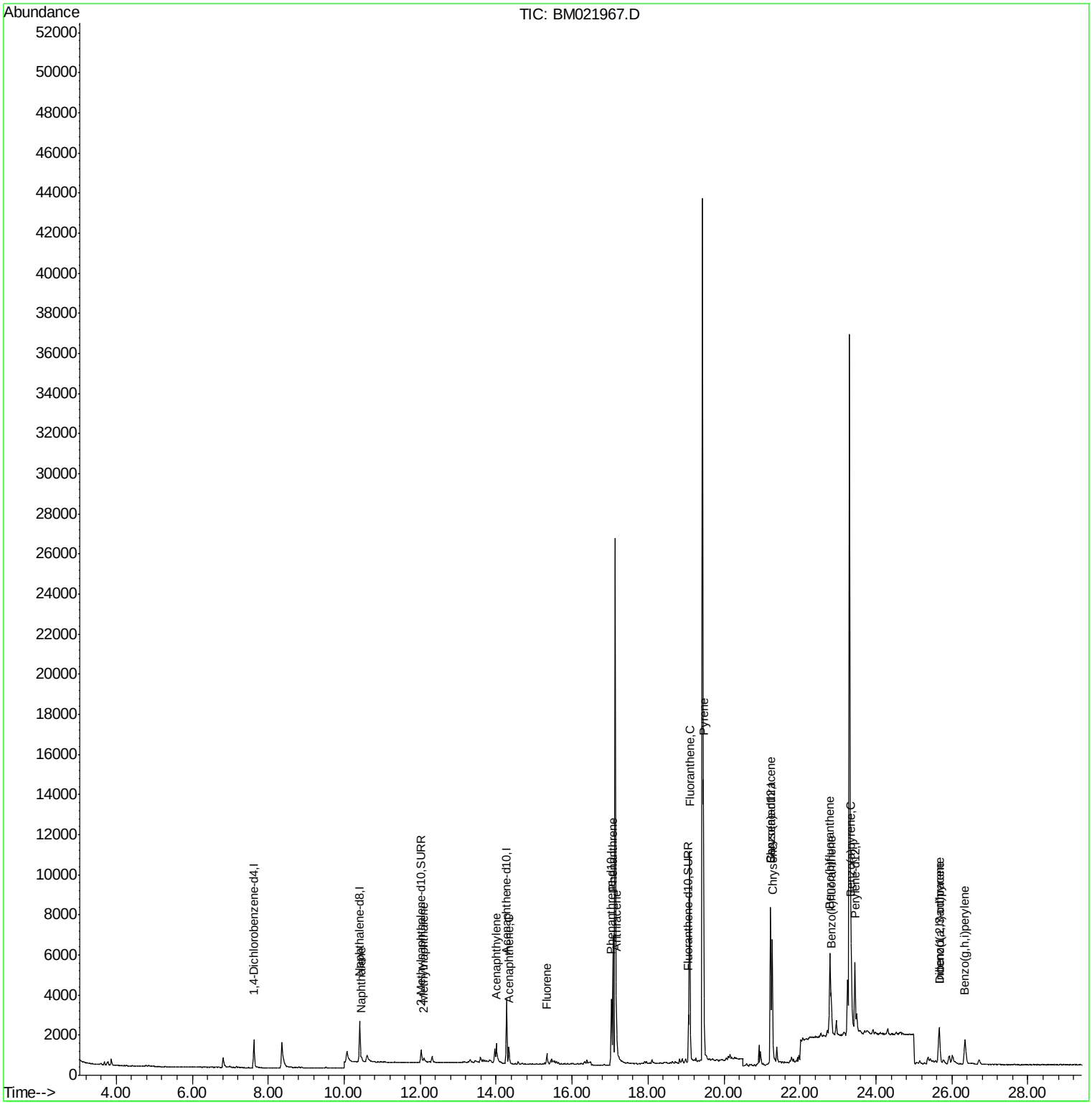

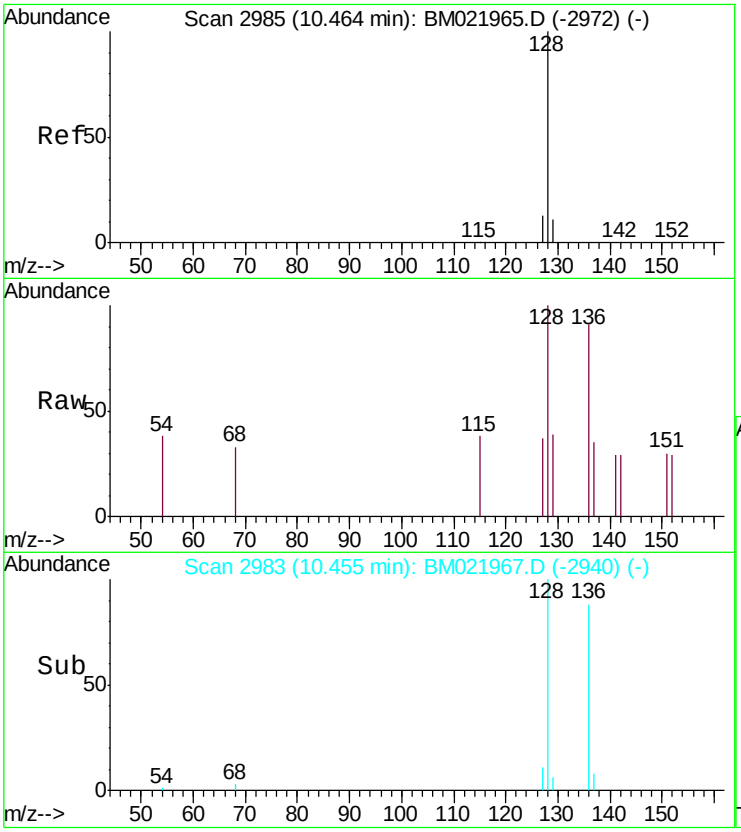


#3
Naphthalene
Concen: 0.025 ng/ul
RT: 10.46 min Scan# 2983
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:128 Resp: 255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 38.9 | 12.3 | 18.5# |
| 127 | 36.6 | 13.0 | 19.6# |

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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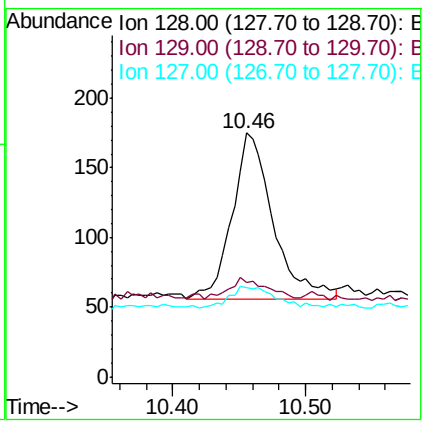
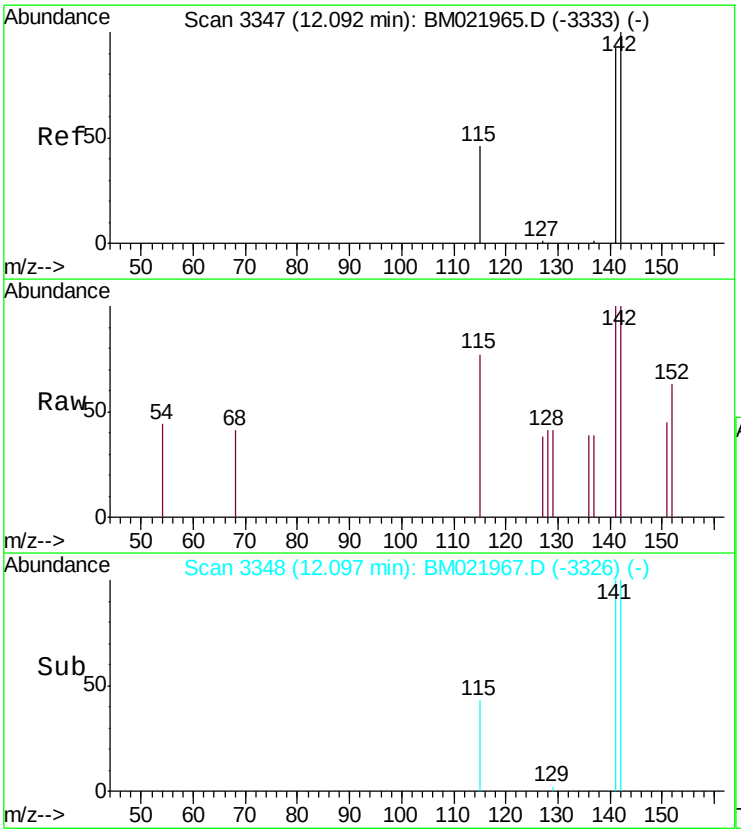
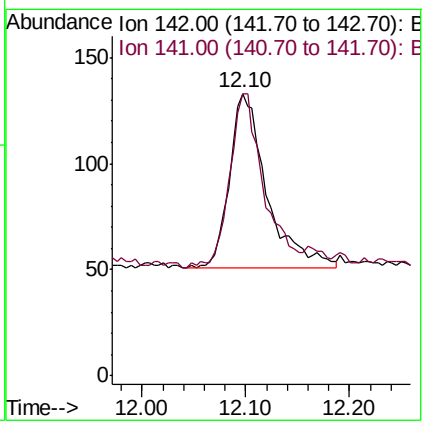


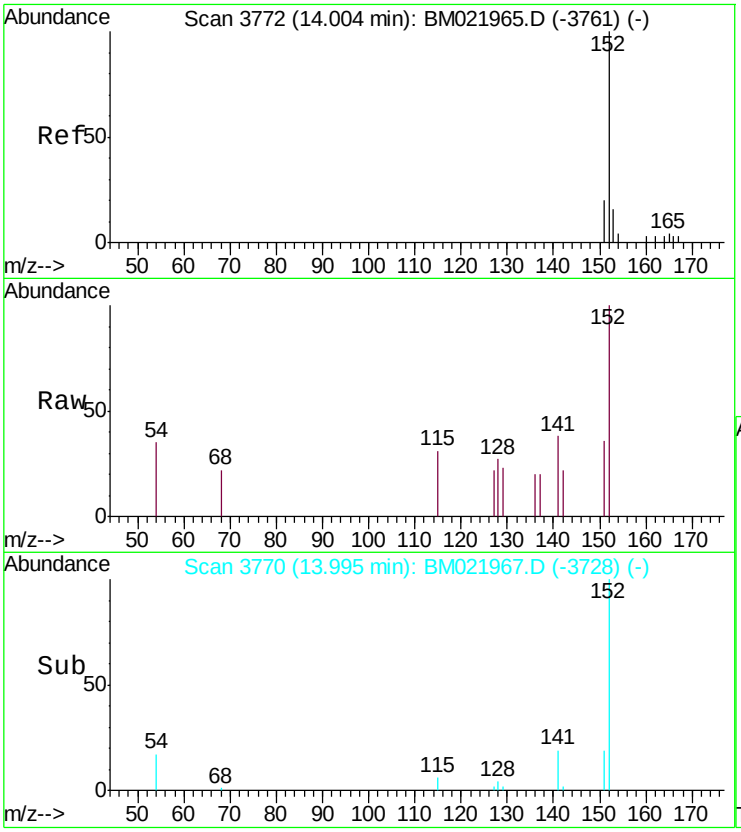




#5
2-Methylnaphthalene
Concen: 0.030 ng/ul
RT: 12.10 min Scan# 3348
Delta R.T. 0.00 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:142 Resp: 205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.7 | 74.3 | 111.5 |






#7
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.00 min Scan# 3770
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:152 Resp: 383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 35.8 | 18.3 | 27.5# |
| 153 | 0.0 | 12.8 | 19.2# |

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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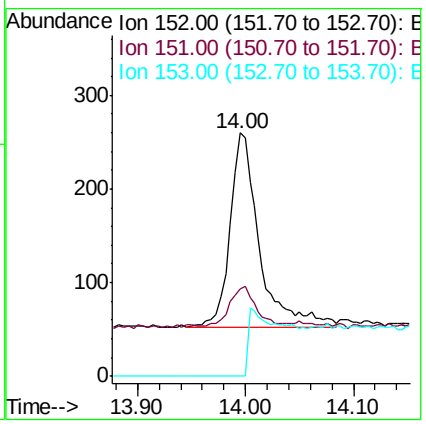
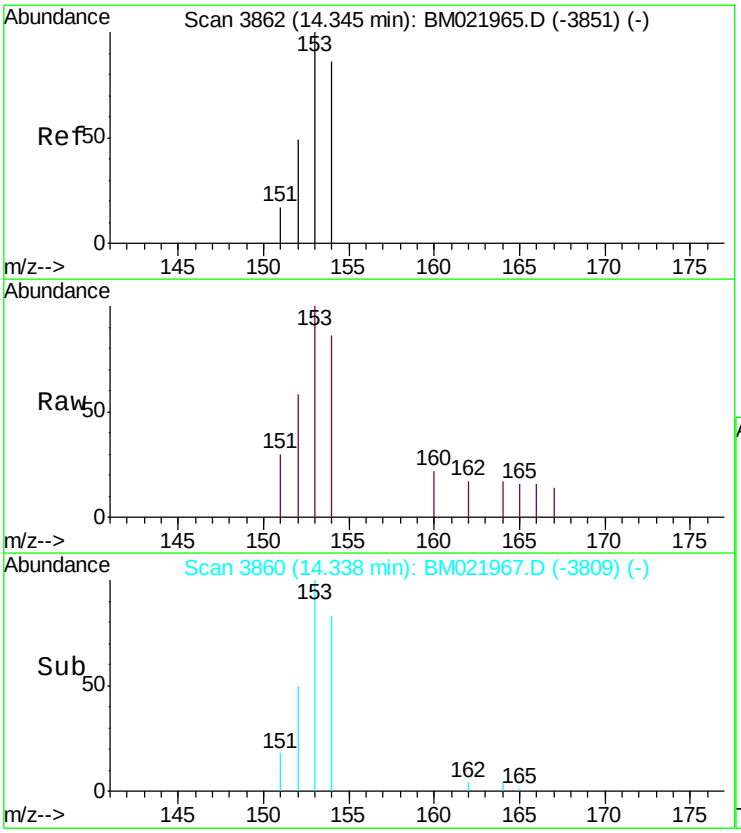
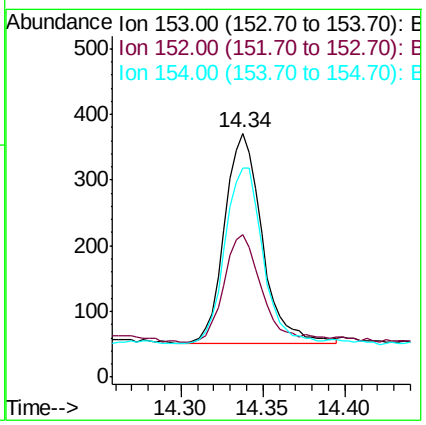


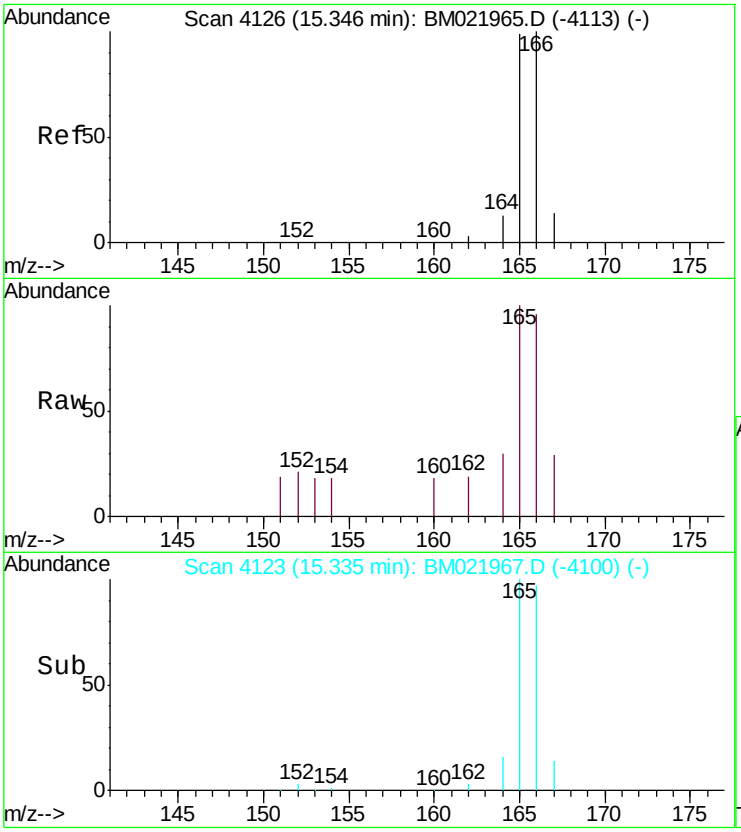




#8
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.34 min Scan# 3860
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:153 Resp: 506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 58.5 | 41.3 | 61.9 |
| 154 | 86.0 | 72.3 | 108.5 |

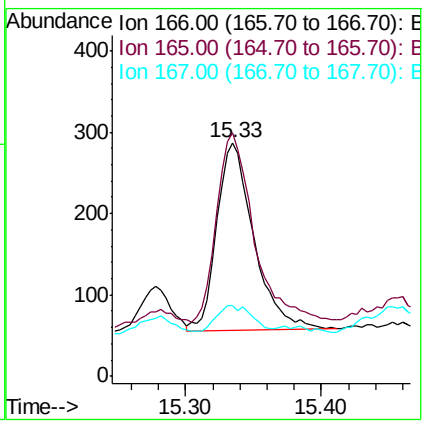





#9
Fluorene
Concen: 0.052 ng/ul
RT: 15.33 min Scan# 4123
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:166 Resp: 430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 104.2 | 81.4 | 122.0 |
| 167 | 30.3 | 13.7 | 20.5# |




**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

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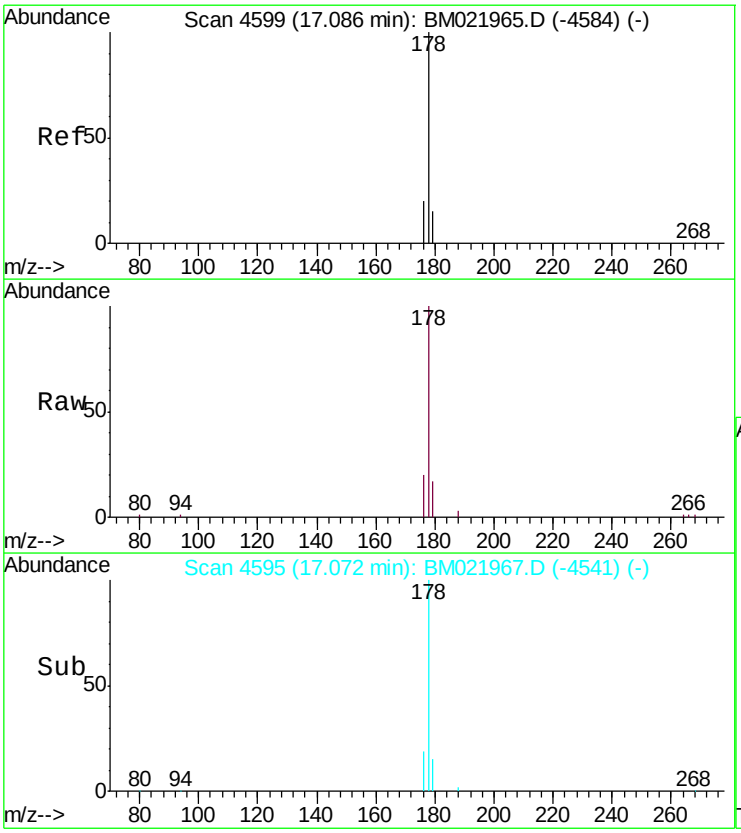
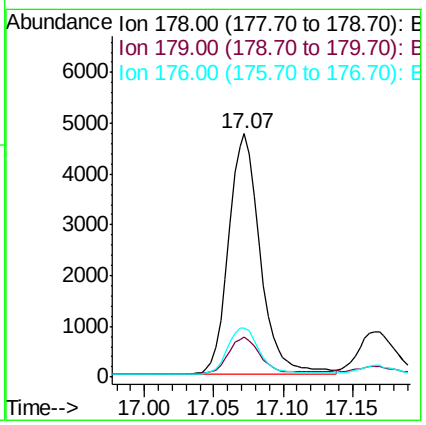
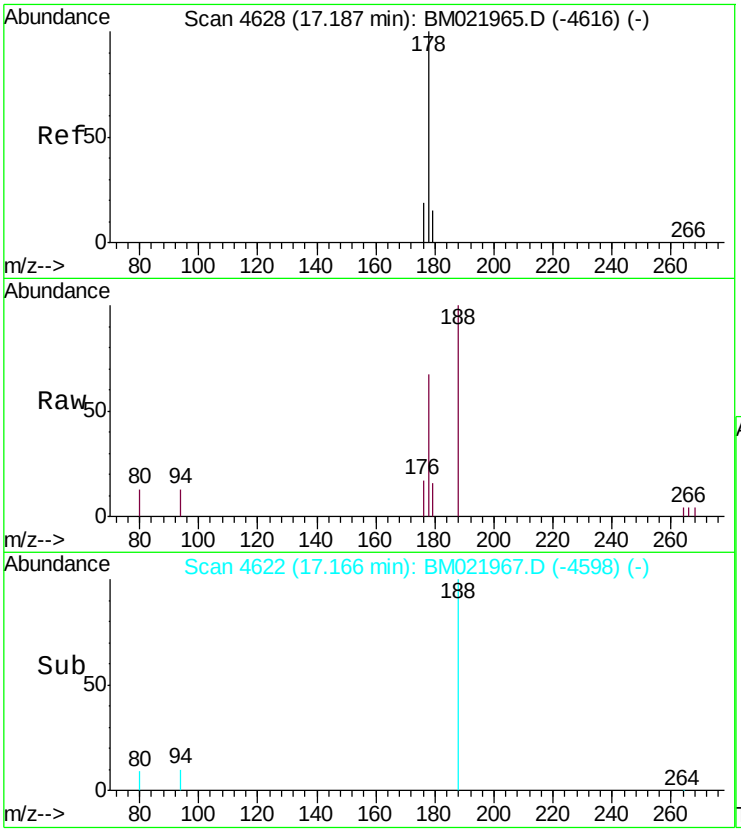



#12
Phenanthrene
Concen: 0.604 ng/ul
RT: 17.07 min Scan# 4595
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:178 Resp: 7509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 14.2 | 21.2 |
| 176 | 20.2 | 16.8 | 25.2 |






#13
Anthracene
Concen: 0.141 ng/ul
RT: 17.17 min Scan# 4622
Delta R.T. -0.02 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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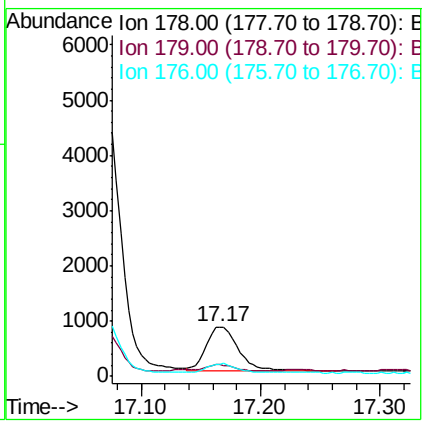
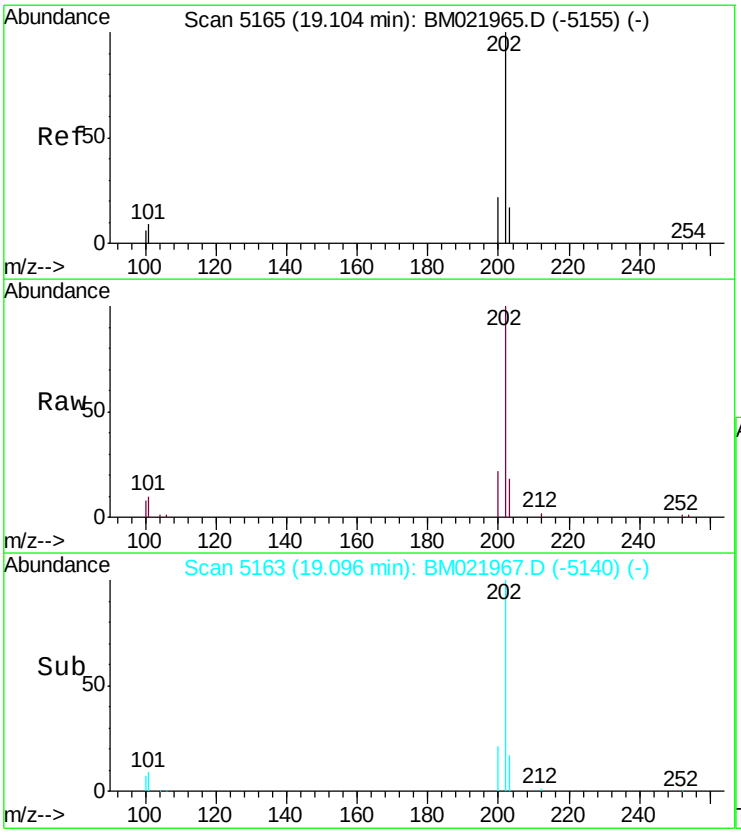
Tgt Ion:178 Resp: 1498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 23.9 | 15.5 | 23.3# |
| 176 | 25.2 | 16.6 | 25.0# |

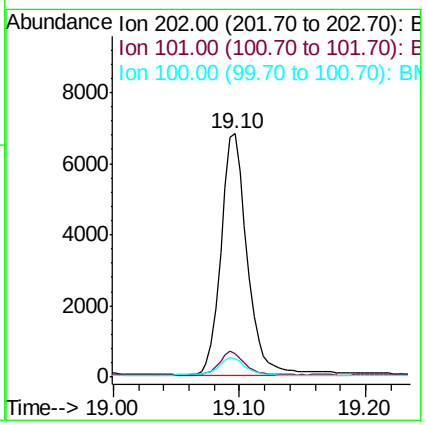


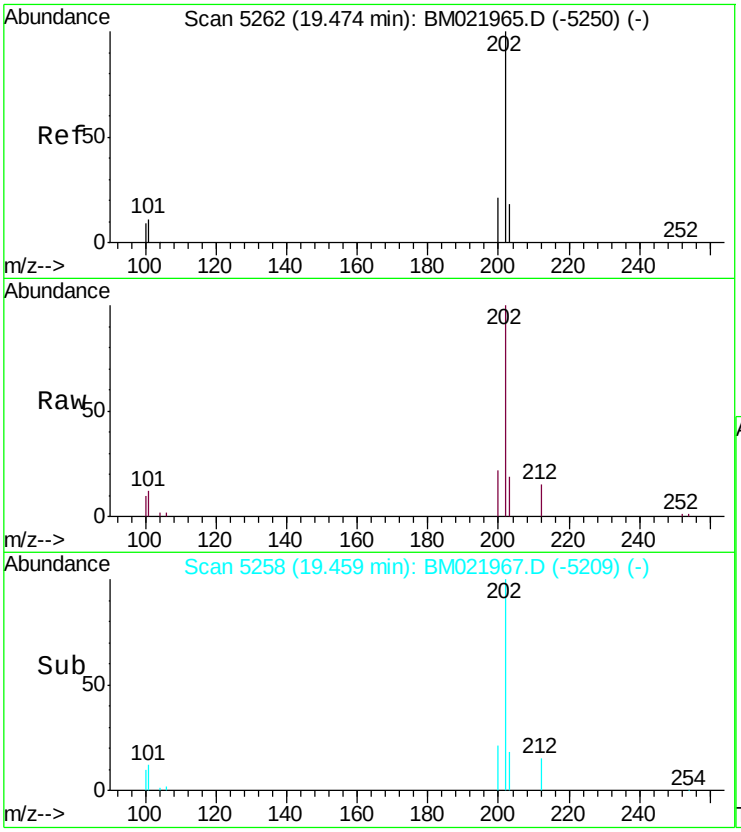




#15
Fluoranthene
Concen: 0.590 ng/ul
RT: 19.10 min Scan# 5163
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:202 Resp: 9830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 30.2 |
| 100 | 7.7 | 0.0 | 28.1 |

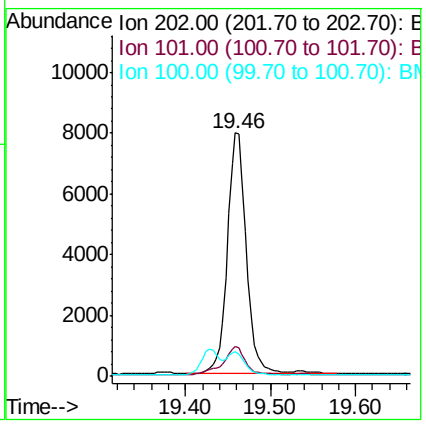





#17
Pyrene
Concen: 0.739 ng/ul
RT: 19.46 min Scan# 5258
Delta R.T. -0.02 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:202 Resp: 12519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 8.3 | 12.5 |
| 100 | 10.1 | 7.2 | 10.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

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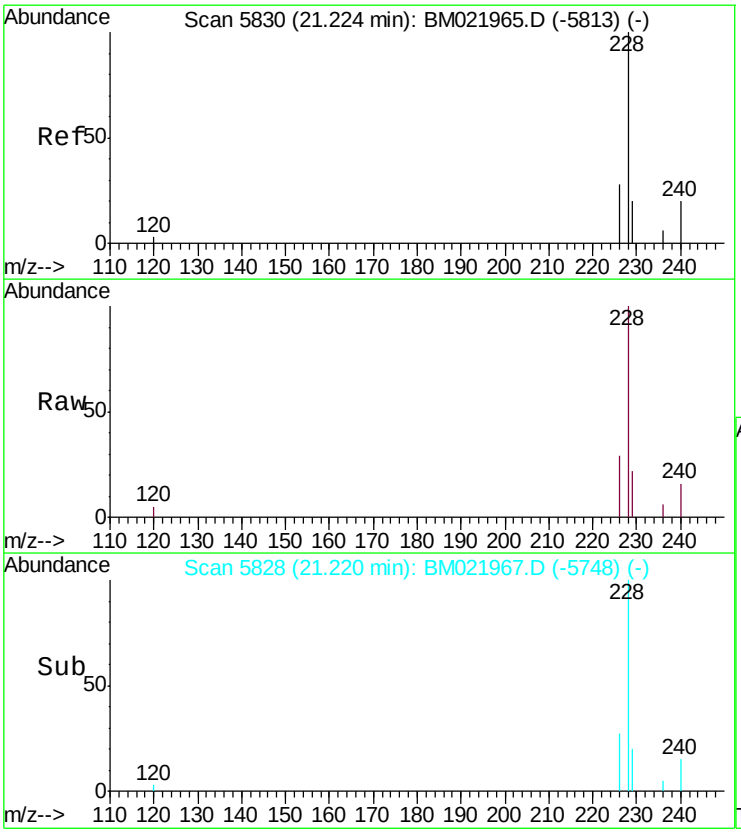
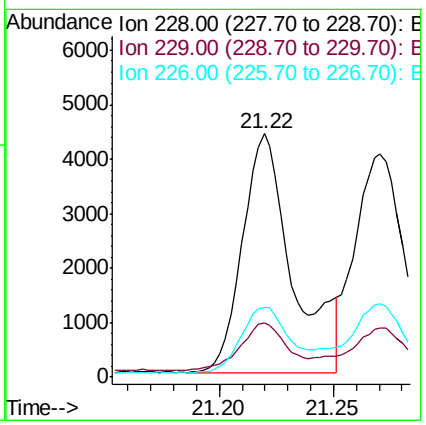
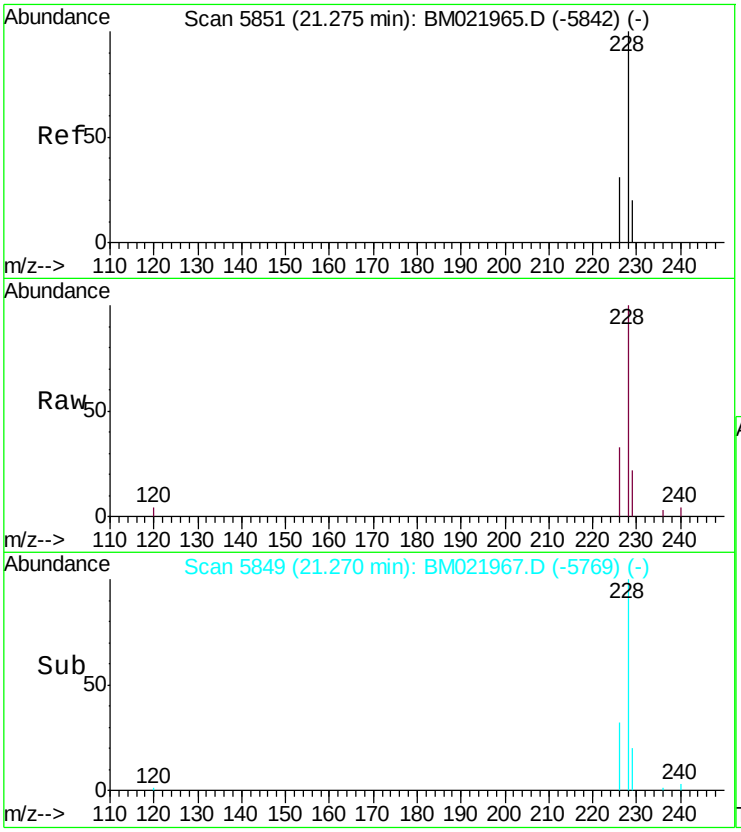



#18
Benzo(a)anthracene
Concen: 0.449 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:228 Resp: 6622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.3 | 17.2 | 25.8 |
| 226 | 28.8 | 22.6 | 34.0 |






#19
Chrysene
Concen: 0.337 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:228 Resp: 6392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.0 | 24.9 | 37.3 |
| 229 | 22.0 | 16.6 | 25.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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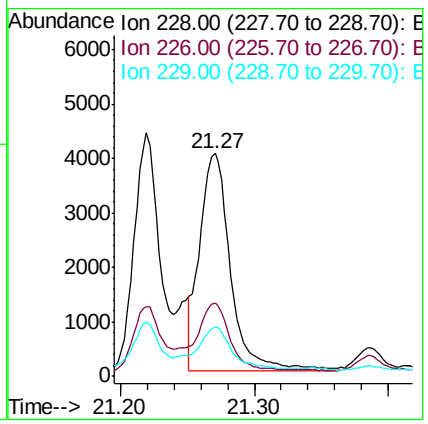
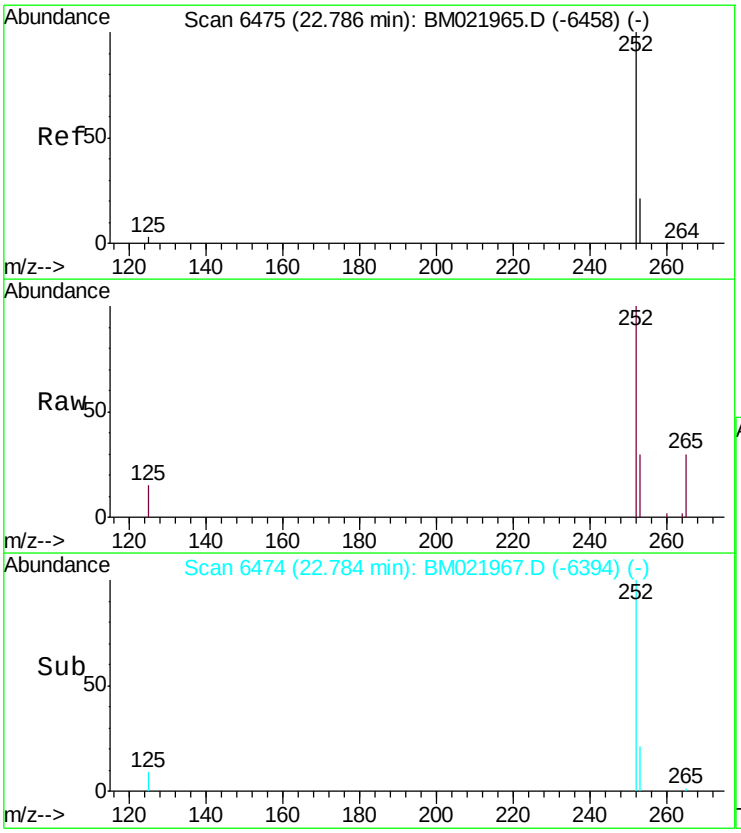
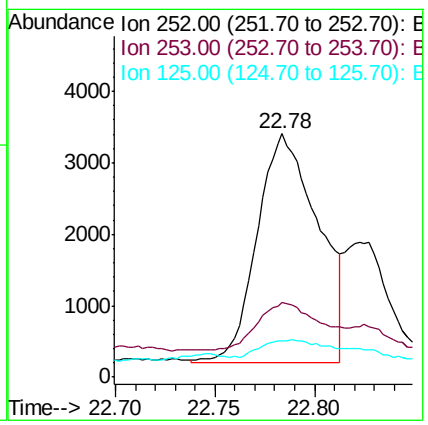


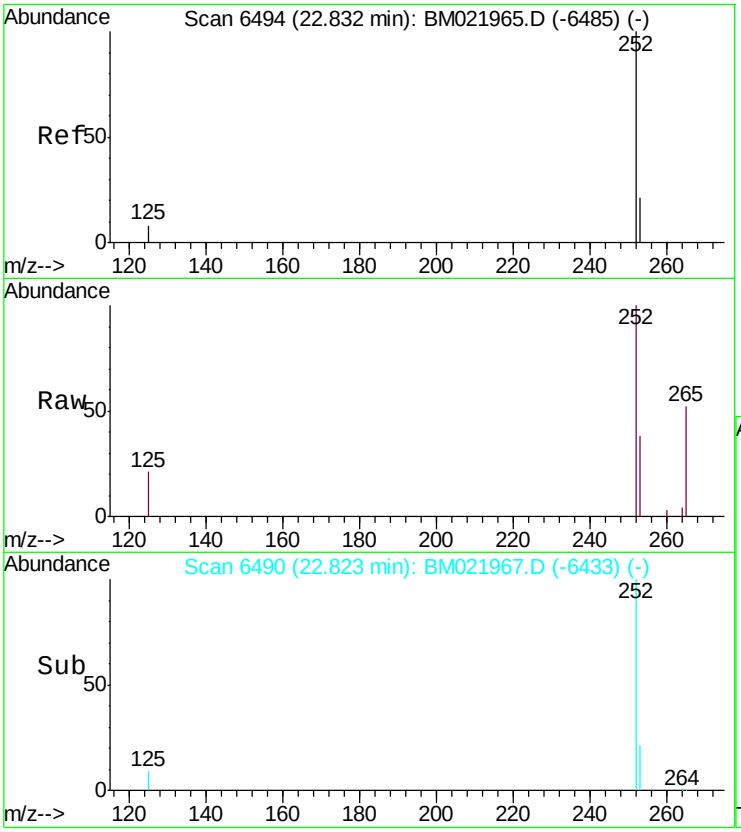




#21
Benzo(b)fluoranthene
Concen: 0.369 ng/ul m
RT: 22.78 min Scan# 6474
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:252 Resp: 6863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.4 | 0.0 | 67.4 |
| 125 | 14.8 | 0.0 | 31.0 |






#22
Benzo(k)fluoranthene
Concen: 0.102 ng/ul m
RT: 22.82 min Scan# 6490
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:252 Resp: 2145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 37.7 | 27.0 | 40.4 |
| 125 | 20.8 | 12.2 | 18.2# |

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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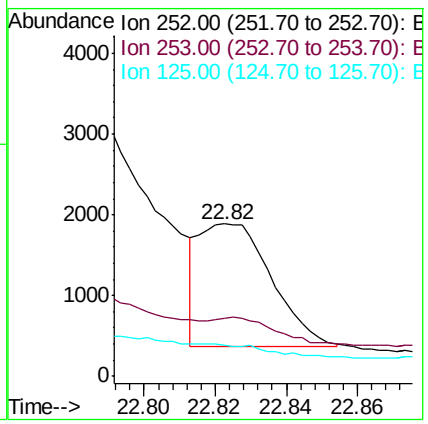
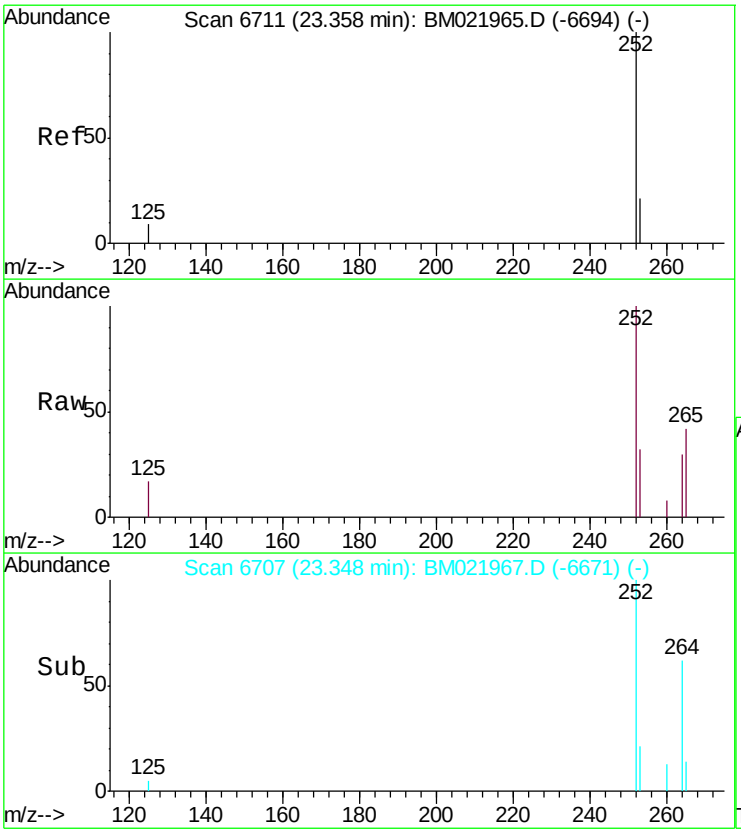
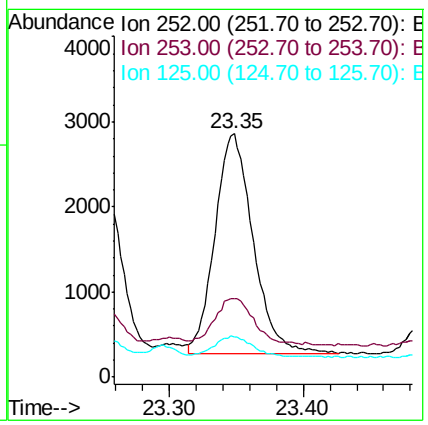


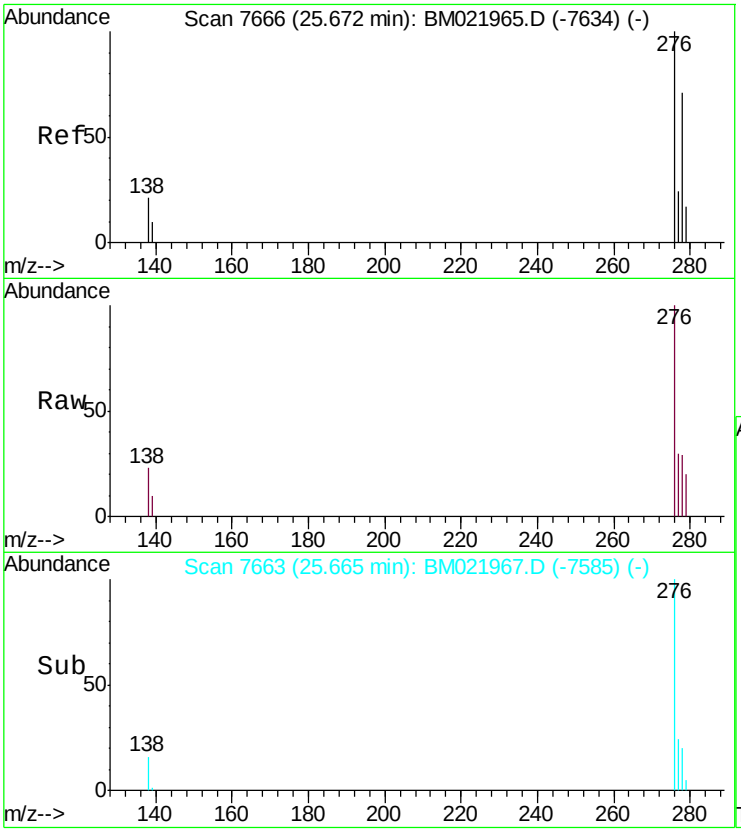




#23
Benzo(a)pyrene
Concen: 0.271 ng/ul
RT: 23.35 min Scan# 6707
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:252 Resp: 5119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.2 | 31.7 | 47.5 |
| 125 | 16.5 | 14.6 | 21.8 |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.143 ng/ul
RT: 25.66 min Scan# 7663
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:276 Resp: 3222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.5 | 15.1 | 22.7 |
| 227 | 0.0 | 0.0 | 0.0 |

**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
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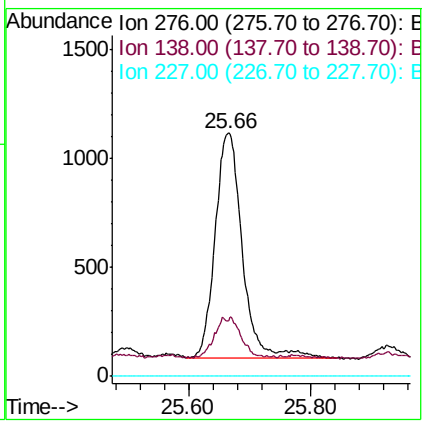
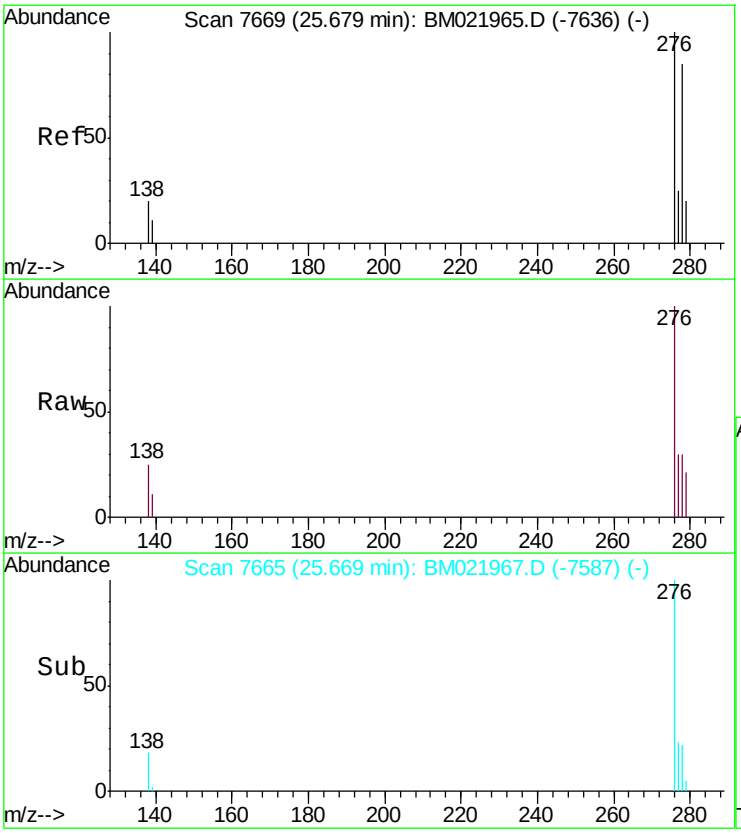
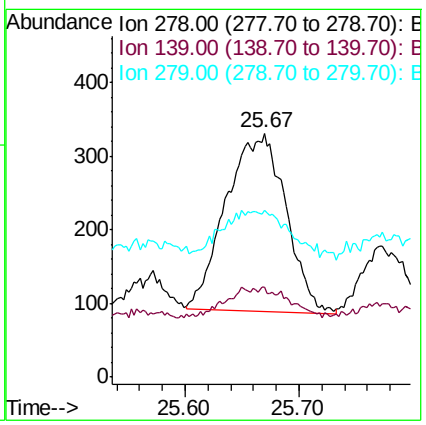


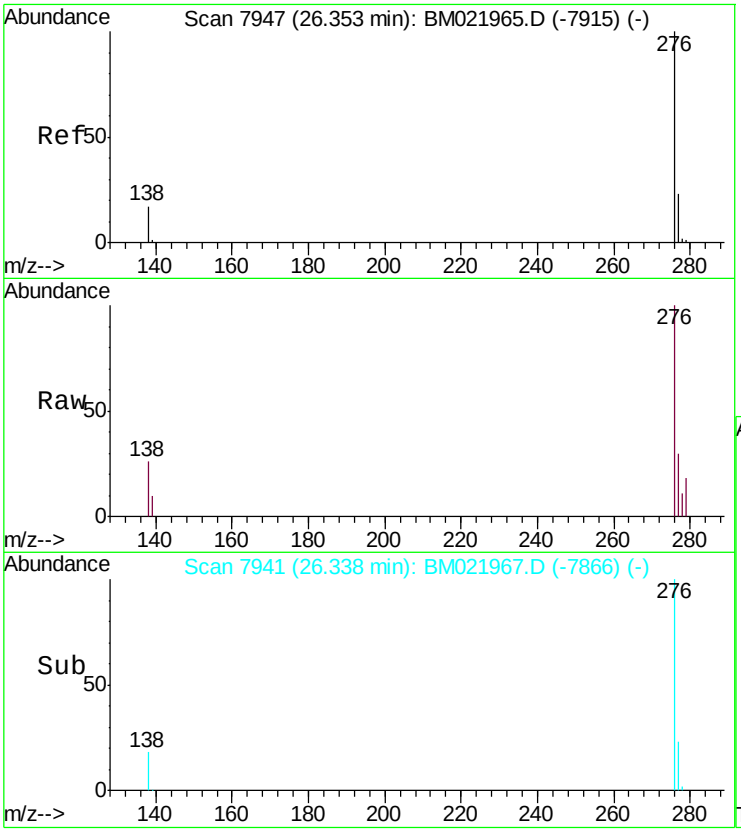




#25
Dibenzo(a,h)anthracene
Concen: 0.048 ng/ul
RT: 25.67 min Scan# 7665
Delta R.T. -0.01 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:278 Resp: 882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 36.9 | 14.2 | 21.2# |
| 279 | 68.6 | 28.3 | 42.5# |

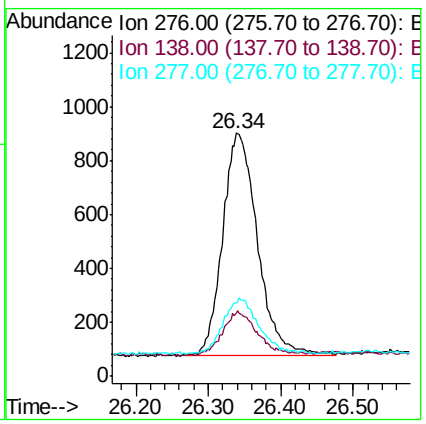





#26
Benzo(g,h,i)perylene
Concen: 0.136 ng/ul
RT: 26.34 min Scan# 7941
Delta R.T. -0.02 min
Lab File: BM021967.D
Acq: 09 Aug 2019 12:58

Tgt Ion:276 Resp: 2771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.7 | 15.5 | 23.3# |
| 277 | 29.9 | 21.4 | 32.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
BENT7DL

**Manual Integrations APPROVED**
Sohil
8/13/2019 8:35:44 AM