Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE080818\
Data File : BE097235.D
Acq On : 8 Aug 2018 15:05
Operator : SJ/JU
Sample : J4268-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

**Manual Integrations APPROVED**
Sohil
8/9/2018 4:43:08 PM

Quant Time: Aug 09 10:50:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE080118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 23:25:58 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.39 | 152 | 1205 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.13 | 136 | 6402 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.02 | 164 | 3898 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.77 | 188 | 9271m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 20.97 | 240 | 9639m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.22 | 264 | 9472m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.72 | 152 | 1850 | 0.18 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.81 | 212 | 5498m | 0.17 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.18 | 128 | 24650 | 1.590 | ng/ul# | 91 |
| 5) 2-Methylnaphthalene | 11.80 | 142 | 4863 | 0.475 | ng/ul | 97 |
| 7) Acenaphthylene | 13.73 | 152 | 14097 | 0.836 | ng/ul | 98 |
| 8) Acenaphthene | 14.08 | 153 | 3119 | 0.256 | ng/ul# | 93 |
| 9) Fluorene | 15.08 | 166 | 9282 | 0.662 | ng/ul | 94 |
| 12) Phenanthrene | 16.81 | 178 | 197473m | 8.356 | ng/ul | |
| 13) Anthracene | 16.90 | 178 | 38432m | 1.743 | ng/ul | |
| 15) Fluoranthene | 18.84 | 202 | 526491m | 16.853 | ng/ul | |
| 17) Pyrene | 19.21 | 202 | 443021 | 17.153 | ng/ul# | 80 |
| 18) Benzo(a)anthracene | 20.96 | 228 | 225592m | 8.190 | ng/ul | |
| 19) Chrysene | 21.01 | 228 | 275138 | 9.694 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.54 | 252 | 405478m | 15.706 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.58 | 252 | 135614m | 4.872 | ng/ul | |
| 23) Benzo(a)pyrene | 23.12 | 252 | 256851m | 9.943 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 25.51 | 276 | 233582 | 7.225 | ng/ul# | 69 |
| 25) Dibenzo(a,h)anthracene | 25.52 | 278 | 48122m | 1.819 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.21 | 276 | 217970 | 7.802 | ng/ul# | 90 |

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

Quantitation Report (QT Reviewed)

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Data File : BE097235.D
Acq On : 8 Aug 2018 15:05
Operator : SJ/JU
Sample : J4268-15
Misc :
ALS Vial : 11 Sample Multiplier: 1

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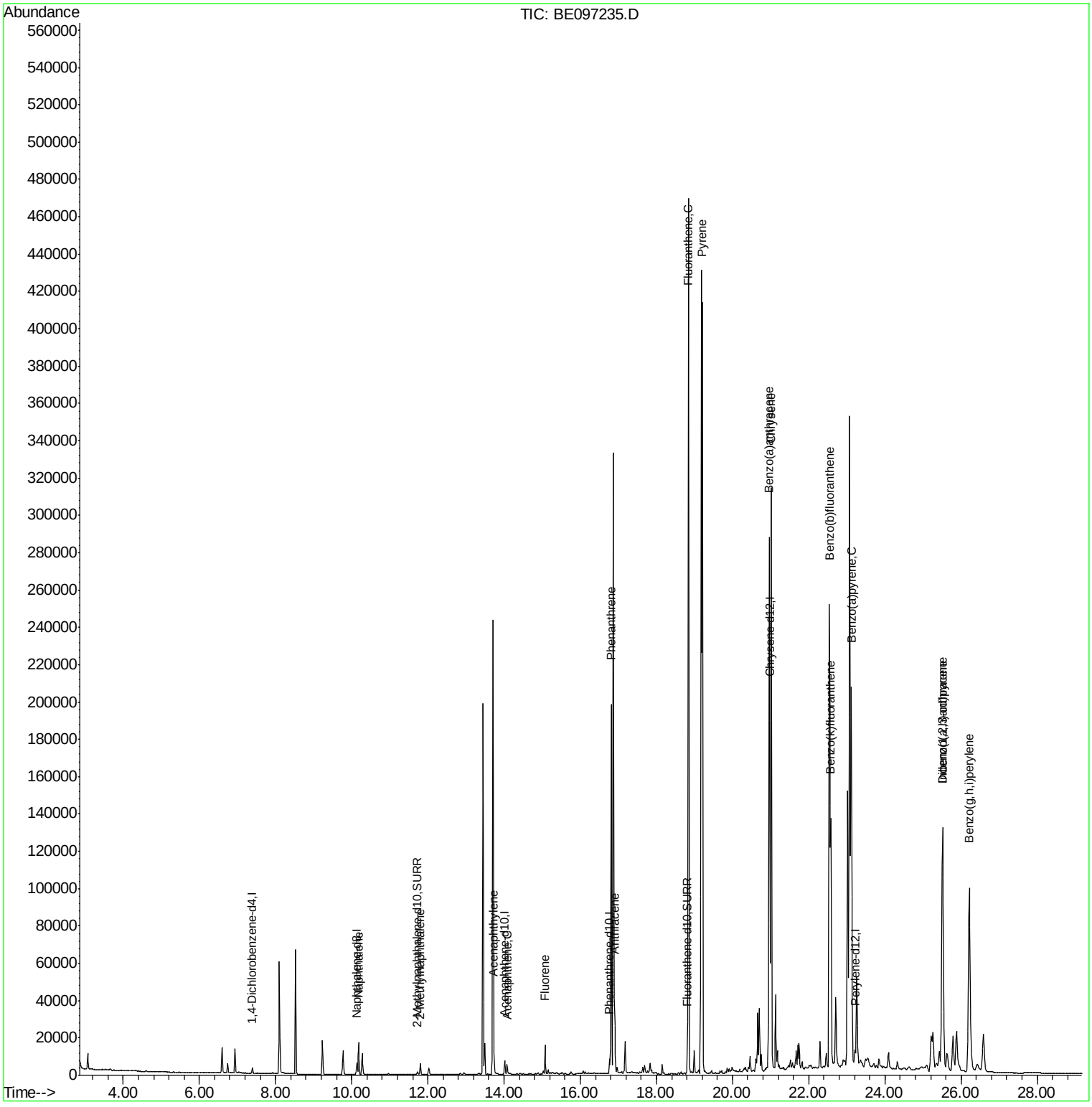

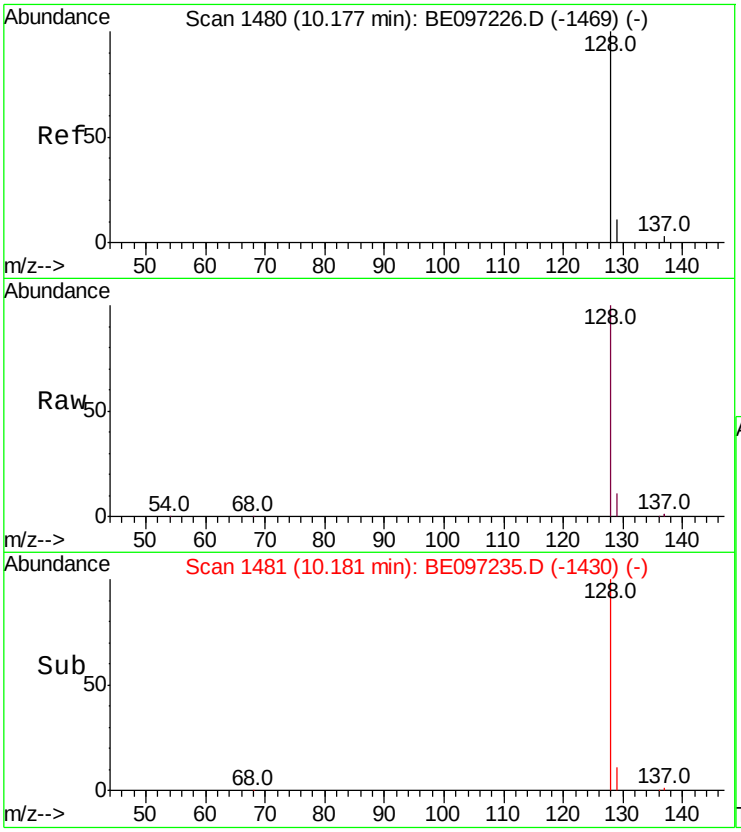


#3
Naphthalene
Concen: 1.590 ng/ul
RT: 10.18 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:128 Resp: 24650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

**Manual Integrations APPROVED**
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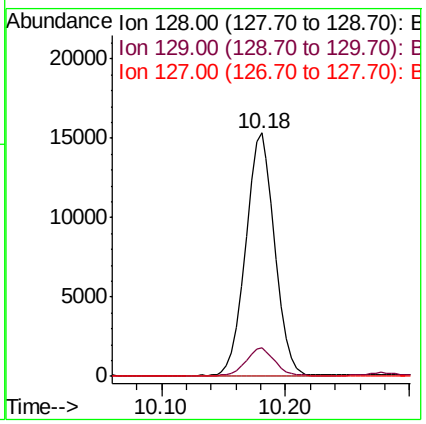
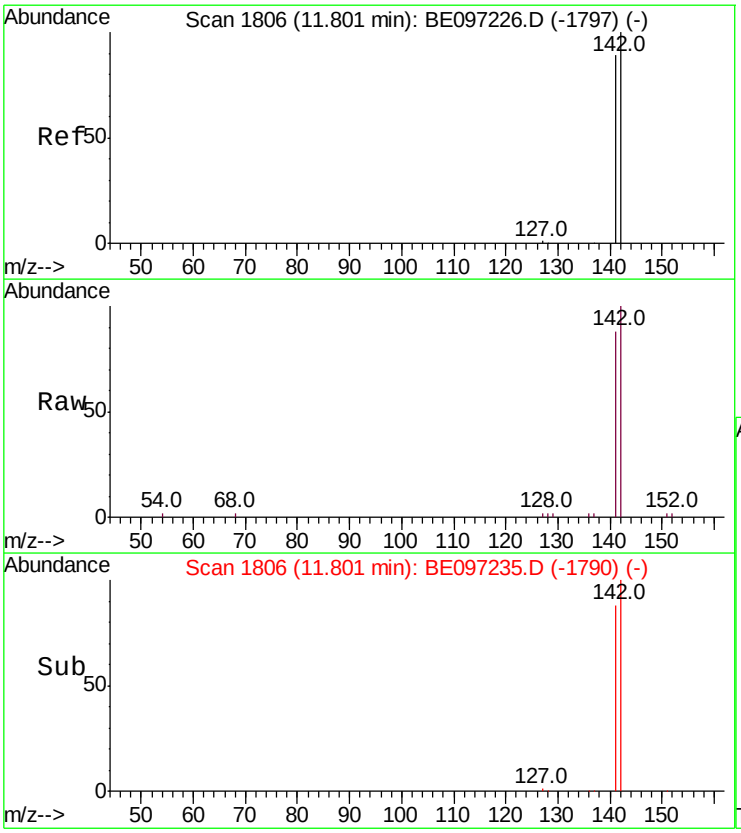
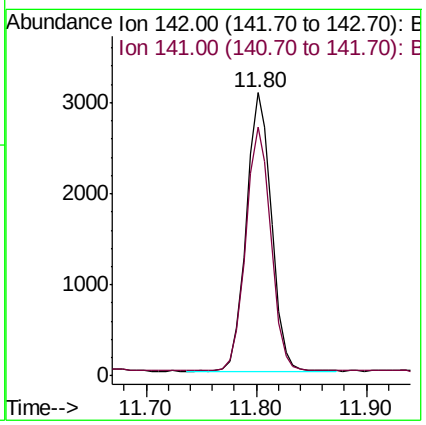


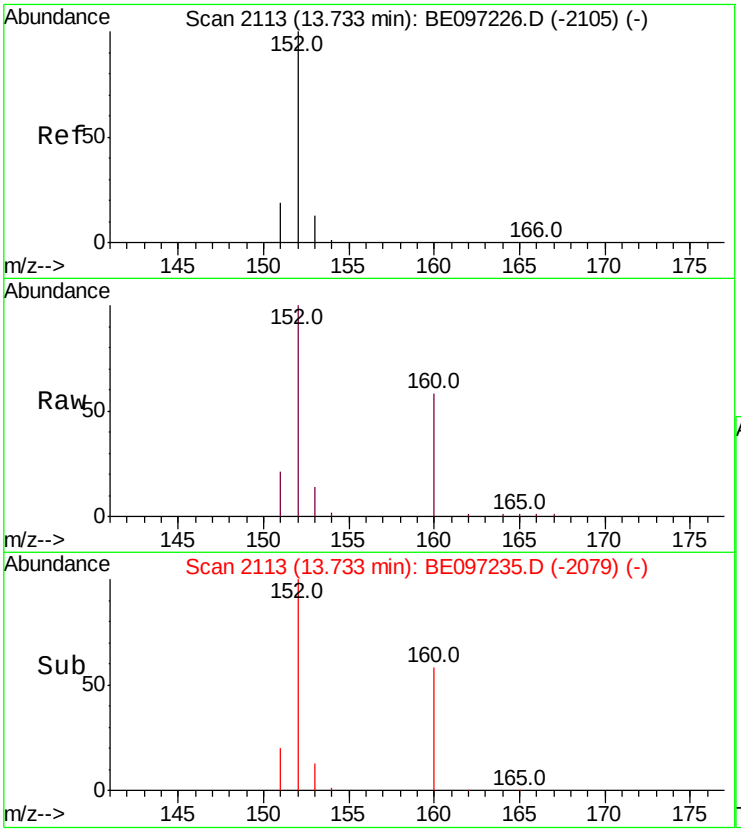




#5
2-Methylnaphthalene
Concen: 0.475 ng/ul
RT: 11.80 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:142 Resp: 4863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 72.6 | 108.8 |






#7
Acenaphthylene
Concen: 0.836 ng/ul
RT: 13.73 min Scan# 2113
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:152 Resp: 14097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.0 | 17.1 | 25.7 |
| 153 | 14.1 | 12.8 | 19.2 |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

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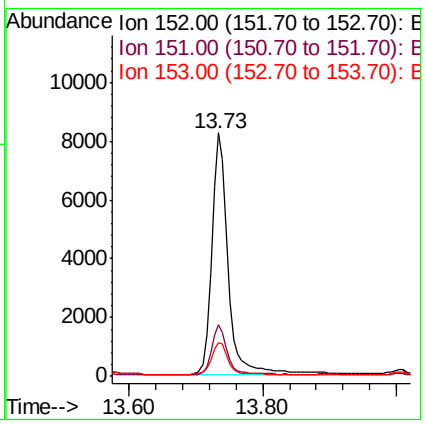
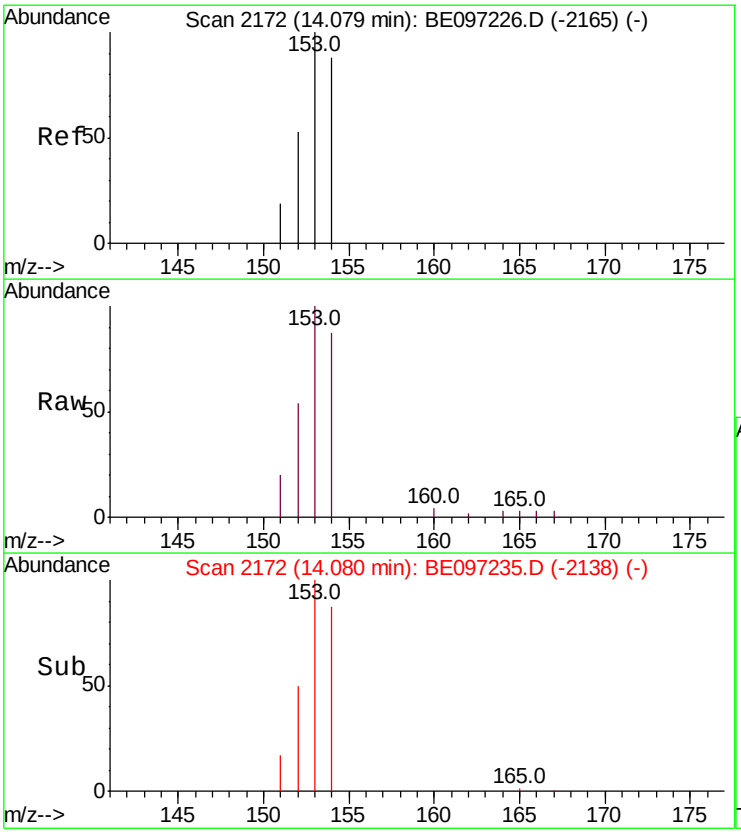
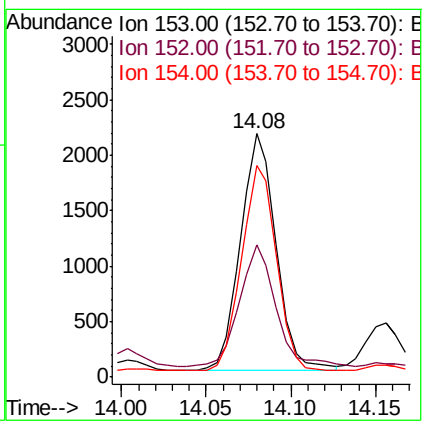


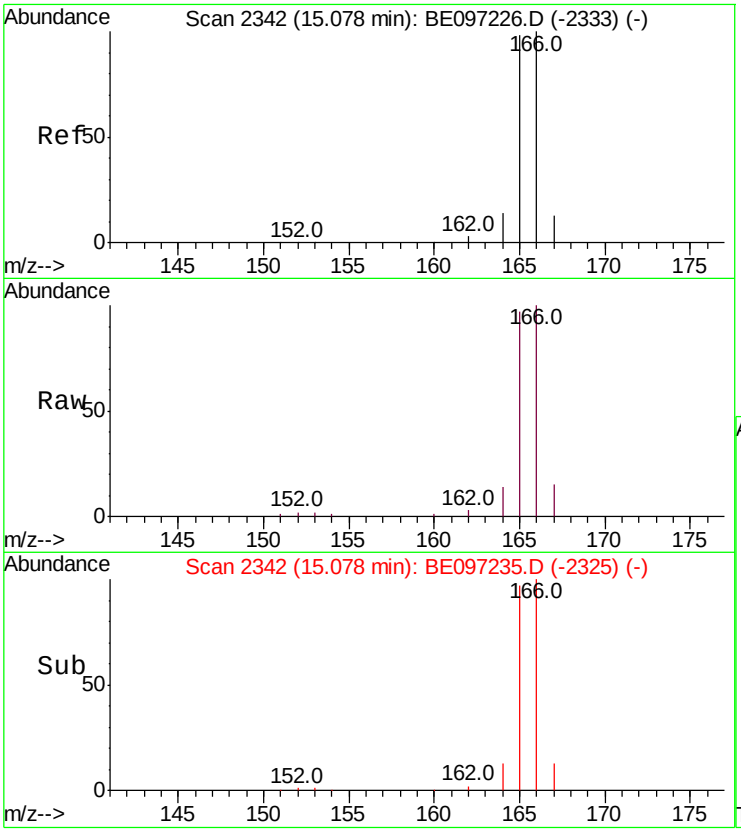




#8
Acenaphthene
Concen: 0.256 ng/ul
RT: 14.08 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:153 Resp: 3119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 54.5 | 36.0 | 54.0# |
| 154 | 86.7 | 72.0 | 108.0 |

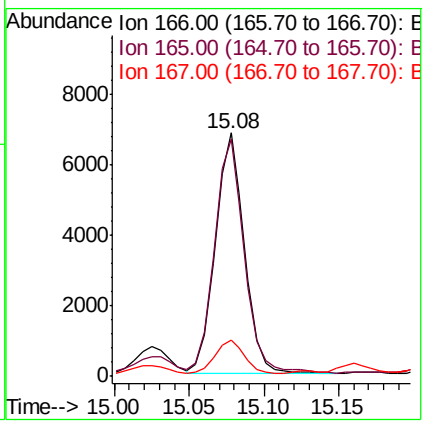





#9
Fluorene
Concen: 0.662 ng/ul
RT: 15.08 min Scan# 2342
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:166 Resp: 9282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.3 | 73.4 | 110.2 |
| 167 | 14.8 | 14.6 | 22.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

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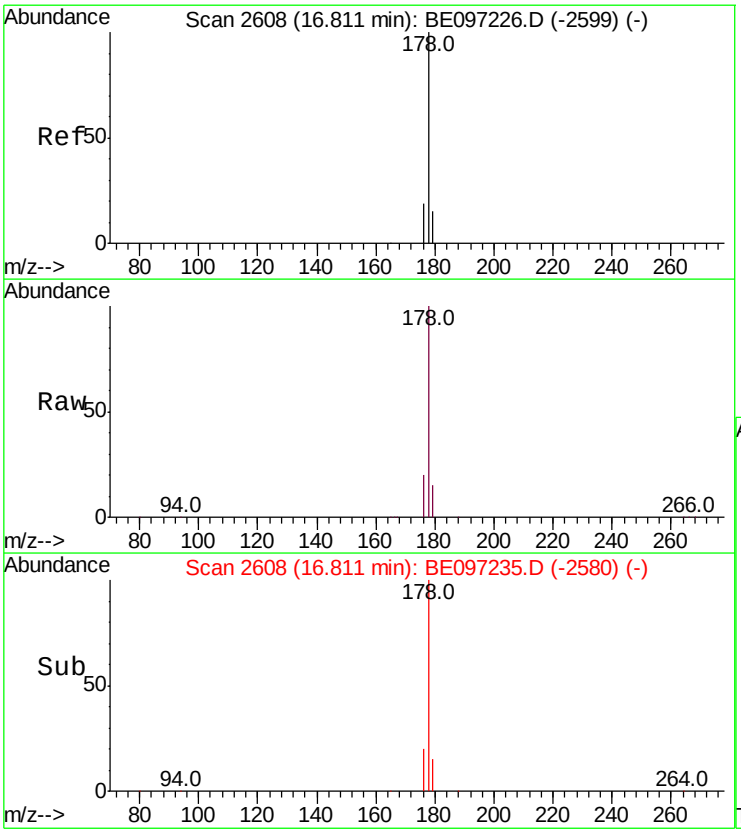
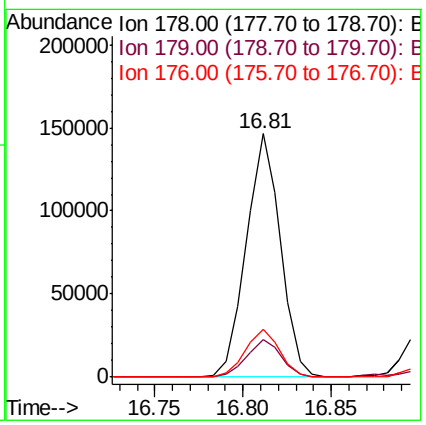
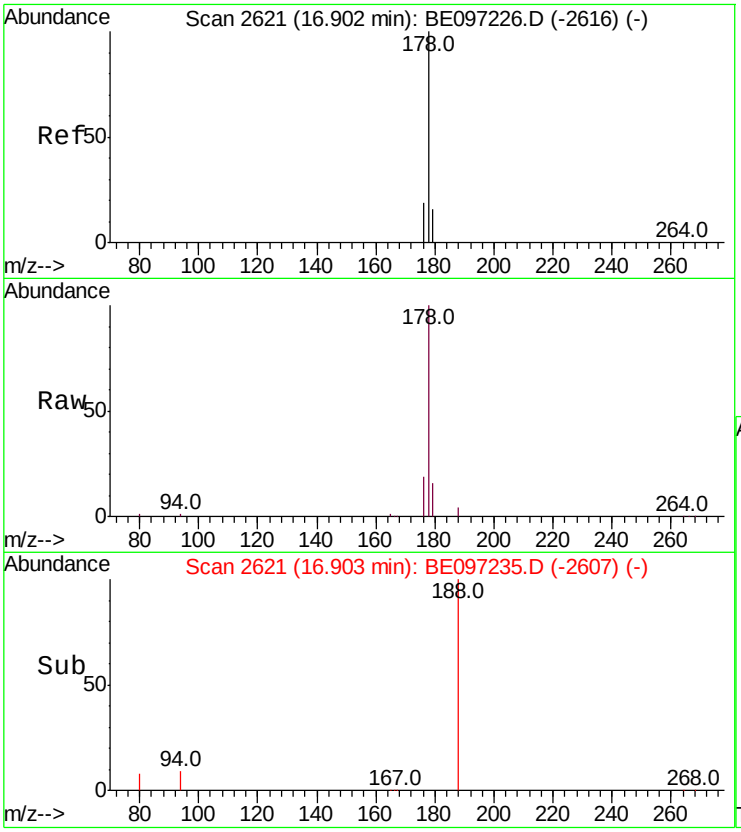



#12
Phenanthrene
Concen: 8.356 ng/ul m
RT: 16.81 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:178 Resp: 197473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 18.4 | 27.6# |
| 176 | 19.8 | 13.6 | 20.4 |

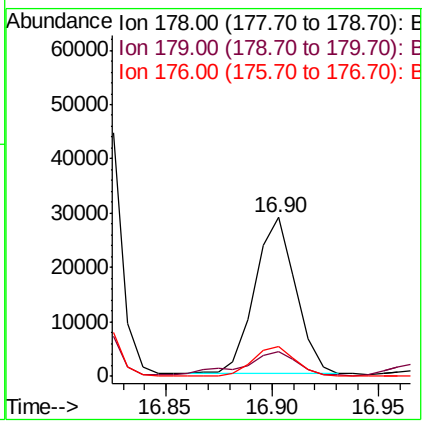





#13
Anthracene
Concen: 1.743 ng/ul m
RT: 16.90 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:178 Resp: 38432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 18.1 | 27.1# |
| 176 | 18.8 | 14.7 | 22.1 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

**Manual Integrations APPROVED**
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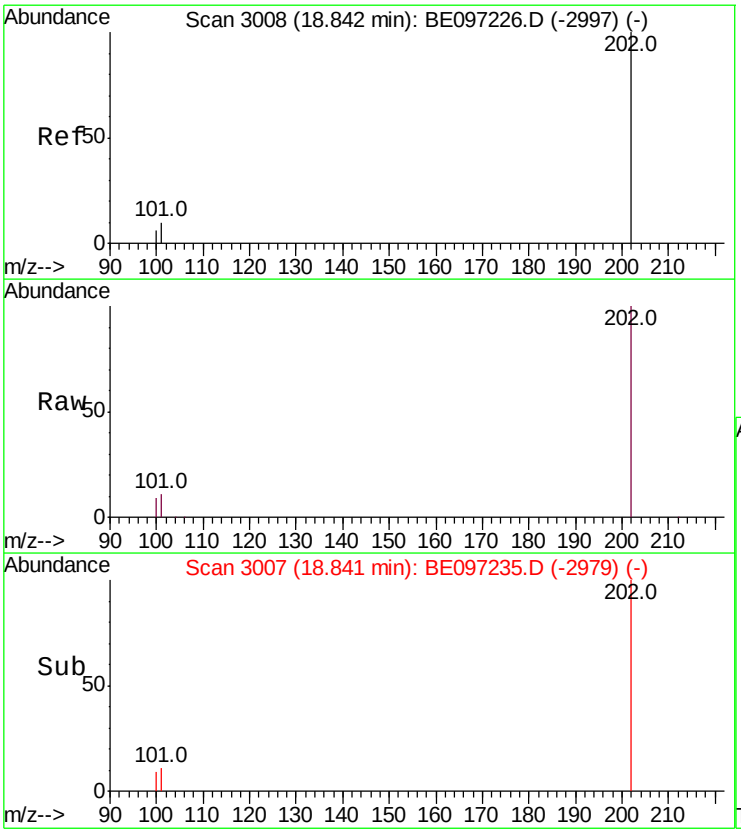
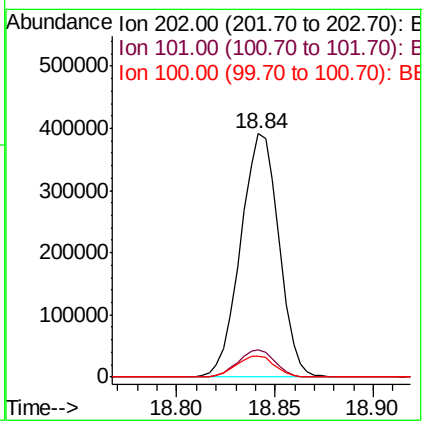
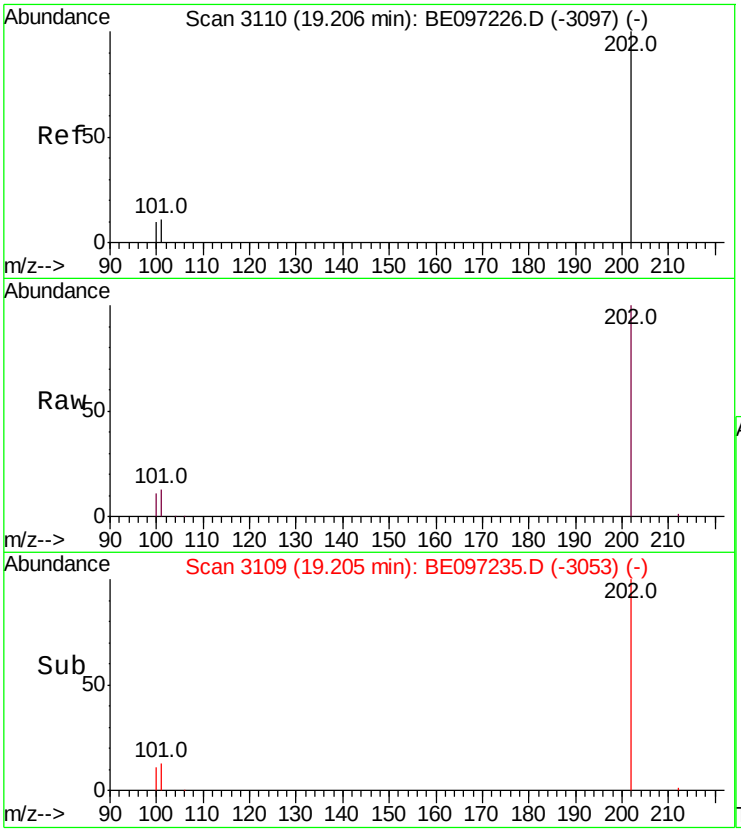



#15
Fluoranthene
Concen: 16.853 ng/ul m
RT: 18.84 min Scan# 3007
Delta R.T. -0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:202 Resp: 526491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 30.3 |
| 100 | 8.8 | 0.0 | 39.5 |






#17
Pyrene
Concen: 17.153 ng/ul
RT: 19.21 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:202 Resp: 443021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 18.2 | 27.4# |
| 100 | 11.2 | 15.6 | 23.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

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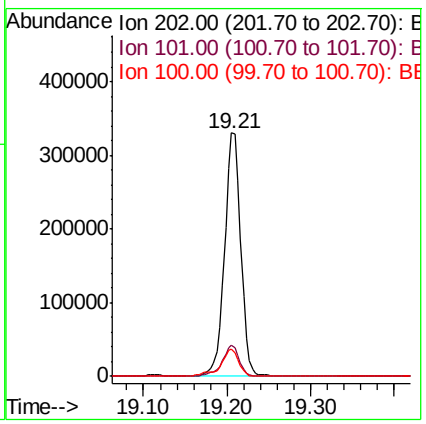
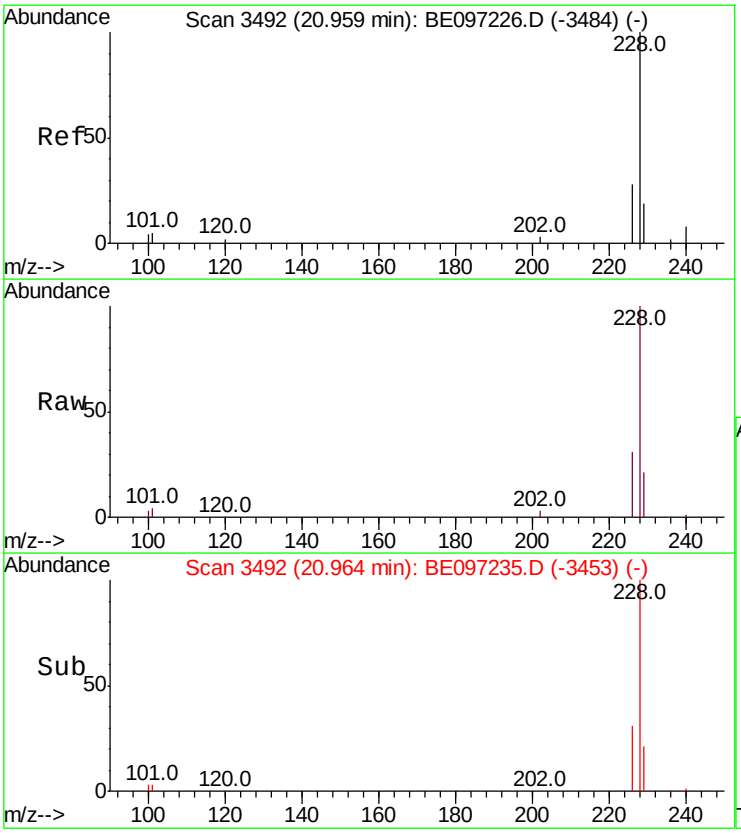
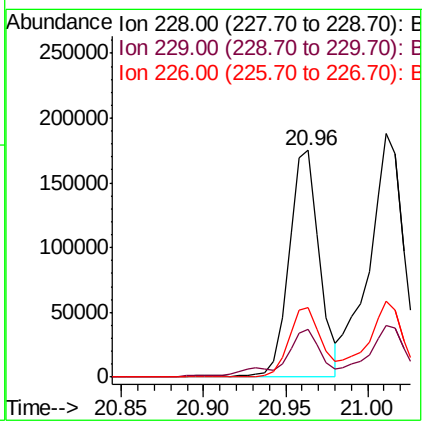


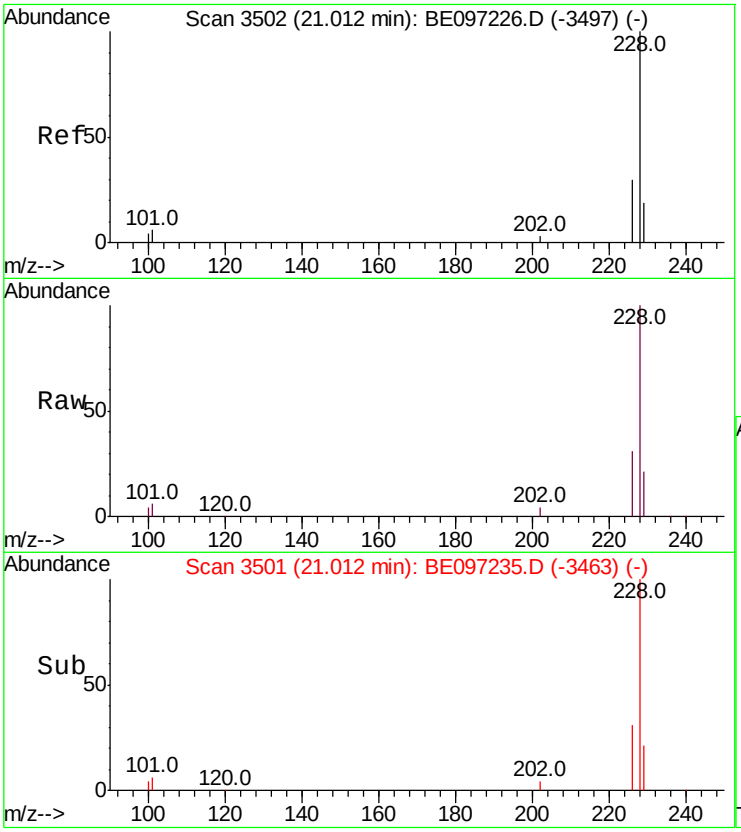




#18
Benzo(a)anthracene
Concen: 8.190 ng/ul m
RT: 20.96 min Scan# 3492
Delta R.T. 0.01 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:228 Resp: 225592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 22.8 | 34.2# |
| 226 | 30.9 | 17.0 | 25.6# |

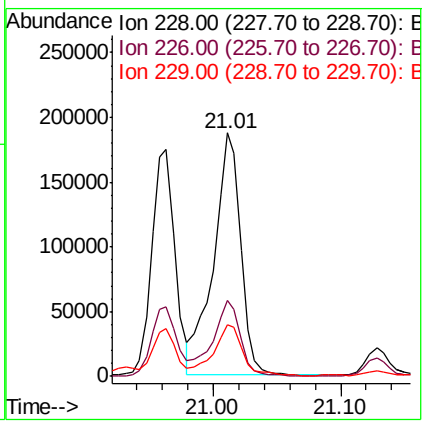





#19
Chrysene
Concen: 9.694 ng/ul
RT: 21.01 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:228 Resp: 275138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 23.4 | 35.0 |
| 229 | 21.4 | 17.7 | 26.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

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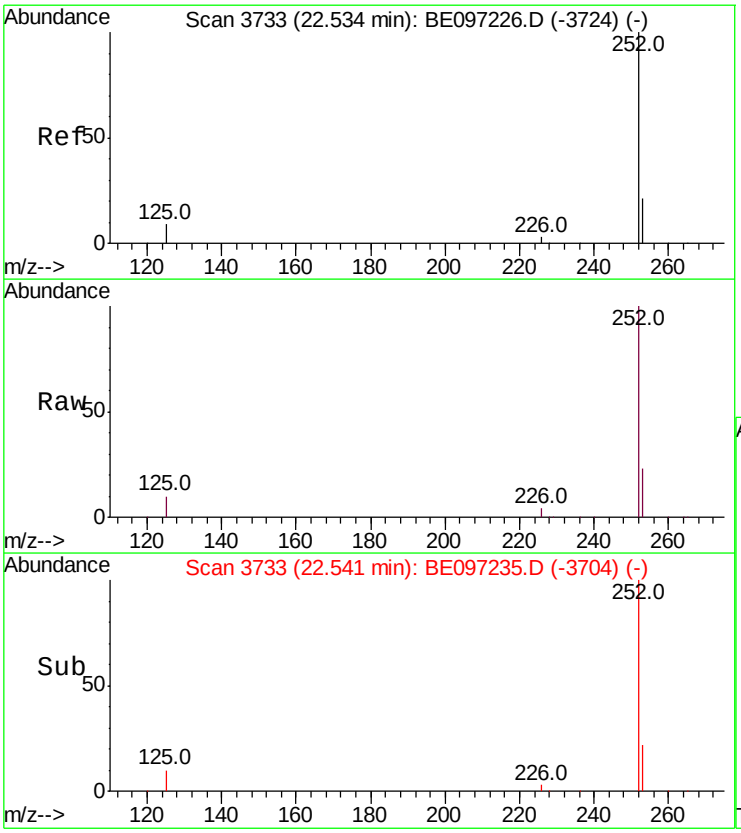
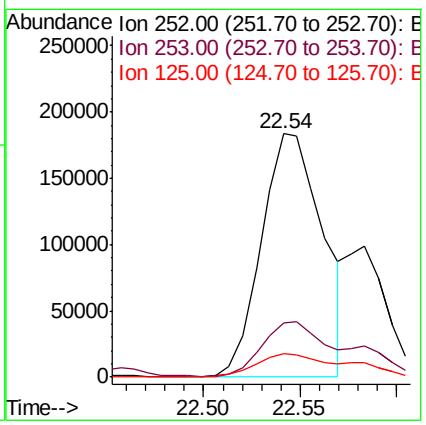
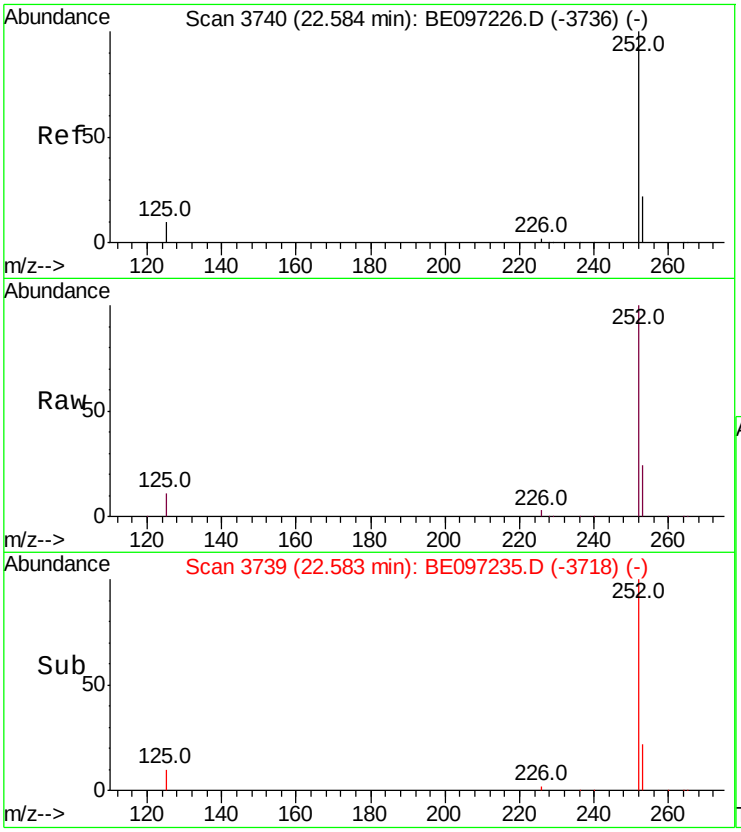



#21
Benzo(b)fluoranthene
Concen: 15.706 ng/ul m
RT: 22.54 min Scan# 3733
Delta R.T. 0.01 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:252 Resp: 405478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 0.0 | 64.2 |
| 125 | 9.8 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 4.872 ng/ul m
RT: 22.58 min Scan# 3739
Delta R.T. -0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:252 Resp: 135614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.0 | 24.5 | 36.7# |
| 125 | 10.7 | 13.7 | 20.5# |

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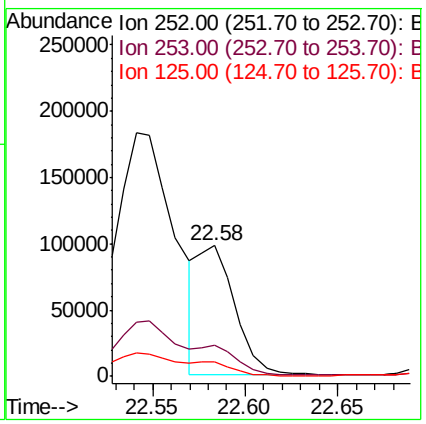
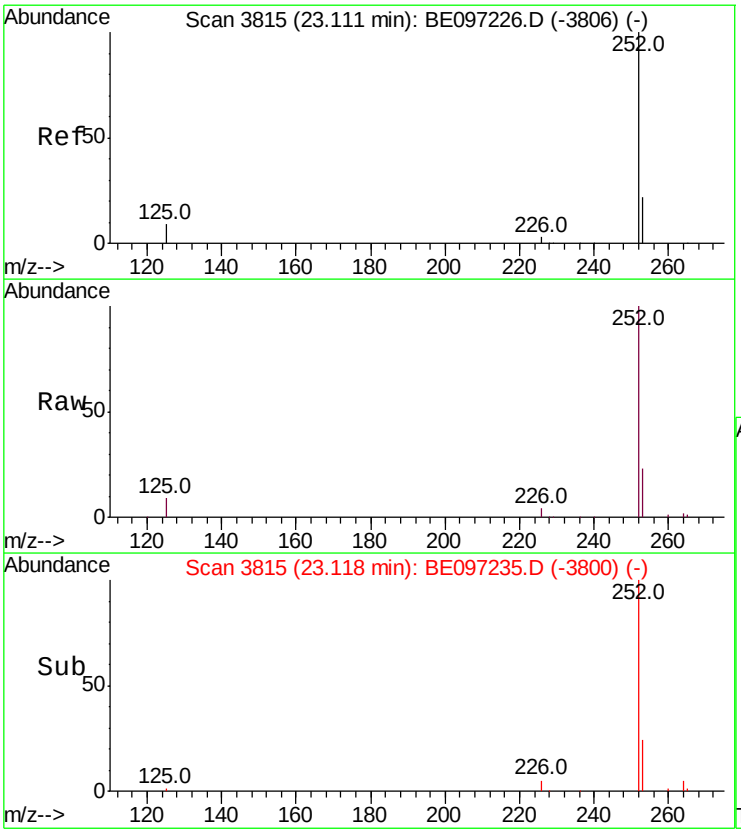
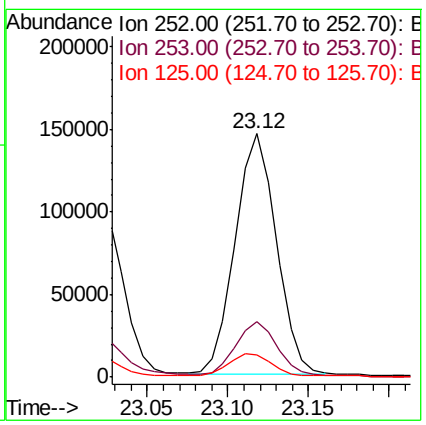


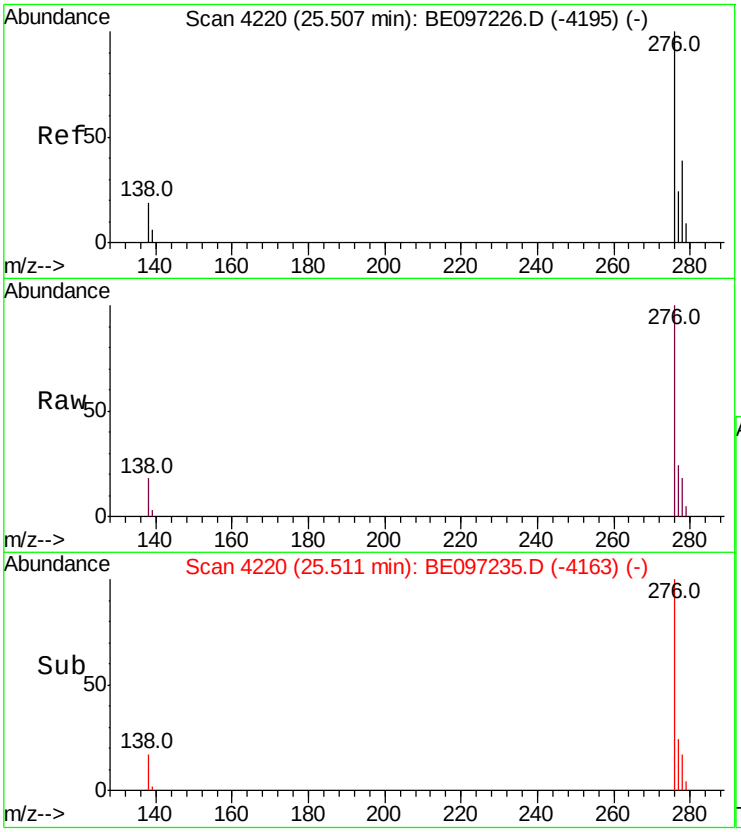




#23
Benzo(a)pyrene
Concen: 9.943 ng/ul m
RT: 23.12 min Scan# 3815
Delta R.T. 0.01 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:252 Resp: 256851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 28.5 | 42.7# |
| 125 | 9.1 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 7.225 ng/ul
RT: 25.51 min Scan# 4220
Delta R.T. 0.00 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:276 Resp: 233582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.6 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

**Manual Integrations APPROVED**
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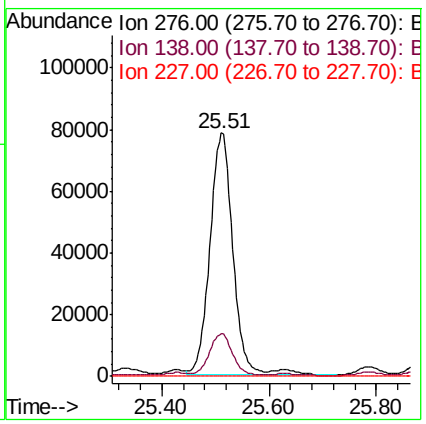
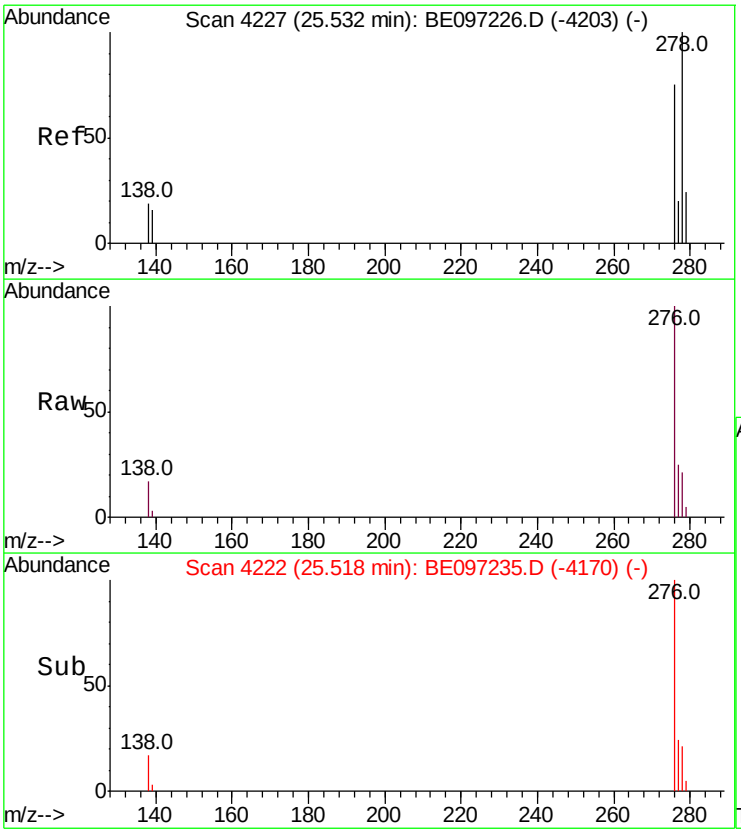
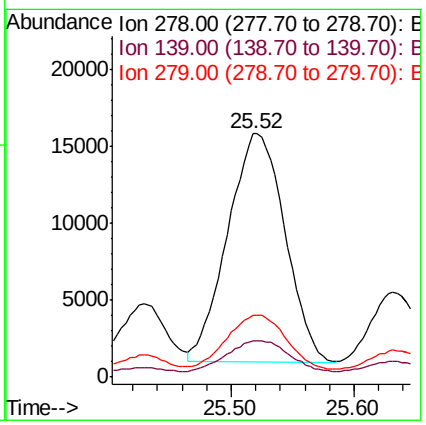


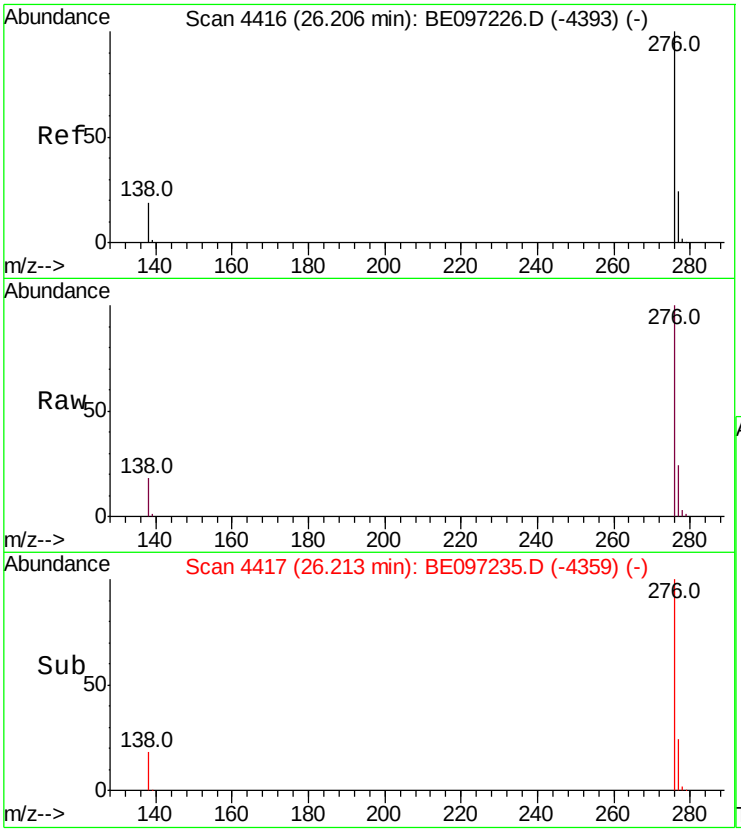




#25
Dibenzo(a,h)anthracene
Concen: 1.819 ng/ul m
RT: 25.52 min Scan# 4222
Delta R.T. -0.01 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:278 Resp: 48122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.0 | 17.4 | 26.0# |
| 279 | 25.5 | 25.9 | 38.9# |






#26
Benzo(g,h,i)perylene
Concen: 7.802 ng/ul
RT: 26.21 min Scan# 4417
Delta R.T. 0.01 min
Lab File: BE097235.D
Acq: 8 Aug 2018 15:05

Tgt Ion:276 Resp: 217970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.0 | 21.8 | 32.8# |
| 277 | 24.3 | 20.5 | 30.7 |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC7

**Manual Integrations APPROVED**
Sohil
8/9/2018 4:43:08 PM