Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE110317\
Data File : BE094707.D
Acq On : 3 Nov 2017 14:59
Operator : SJ/JU
Sample : I5825-05 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** B-61(0-1)-101117

**Manual Integrations APPROVED**
Sohil
11/4/2017 2:15:13 PM

Quant Time: Nov 03 23:31:22 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 23:54:30 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.90 | 152 | 1355 | 0.40 | ng/ul | -0.02 |
| 2) Naphthalene-d8 | 10.69 | 136 | 7940 | 0.40 | ng/ul | -0.03 |
| 6) Acenaphthene-d10 | 14.51 | 164 | 4469 | 0.40 | ng/ul | -0.02 |
| 10) Phenanthrene-d10 | 17.24 | 188 | 9641 | 0.40 | ng/ul | -0.03 |
| 16) Chrysene-d12 | 21.42 | 240 | 9690 | 0.40 | ng/ul | -0.01 |
| 20) Perylene-d12 | 23.95 | 264 | 10272 | 0.40 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.27 | 152 | 527 | 0.04 | ng/ul | -0.03 |
| 14) Fluoranthene-d10 | 19.27 | 212 | 1194 | 0.04 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.73 | 128 | 7341 | 0.378 | ng/ul# | 96 |
| 5) 2-Methylnaphthalene | 12.34 | 142 | 3700 | 0.272 | ng/ul | 97 |
| 7) Acenaphthylene | 14.24 | 152 | 886 | 0.044 | ng/ul# | 75 |
| 8) Acenaphthene | 14.57 | 153 | 1410 | 0.097 | ng/ul | 93 |
| 9) Fluorene | 15.56 | 166 | 1598 | 0.098 | ng/ul# | 91 |
| 12) Phenanthrene | 17.29 | 178 | 28777 | 1.130 | ng/ul | 93 |
| 13) Anthracene | 17.38 | 178 | 6378 | 0.254 | ng/ul | 97 |
| 15) Fluoranthene | 19.30 | 202 | 52026 | 1.767 | ng/ul | 83 |
| 17) Pyrene | 19.66 | 202 | 44772 | 1.495 | ng/ul# | 81 |
| 18) Benzo(a)anthracene | 21.40 | 228 | 22386 | 0.808 | ng/ul# | 89 |
| 19) Chrysene | 21.46 | 228 | 28093 | 0.981 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 23.17 | 252 | 29665m | 1.027 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.21 | 252 | 13580m | 0.439 | ng/ul | |
| 23) Benzo(a)pyrene | 23.84 | 252 | 19480 | 0.674 | ng/ul# | 86 |
| 24) Indeno(1,2,3-cd)pyrene | 26.65 | 276 | 11946 | 0.400 | ng/ul# | 74 |
| 25) Dibenzo(a,h)anthracene | 26.64 | 278 | 2801 | 0.111 | ng/ul# | 66 |
| 26) Benzo(g,h,i)perylene | 27.49 | 276 | 11661 | 0.486 | ng/ul | 92 |

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

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Acq On : 3 Nov 2017 14:59
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Sample : I5825-05 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 23:54:30 2017
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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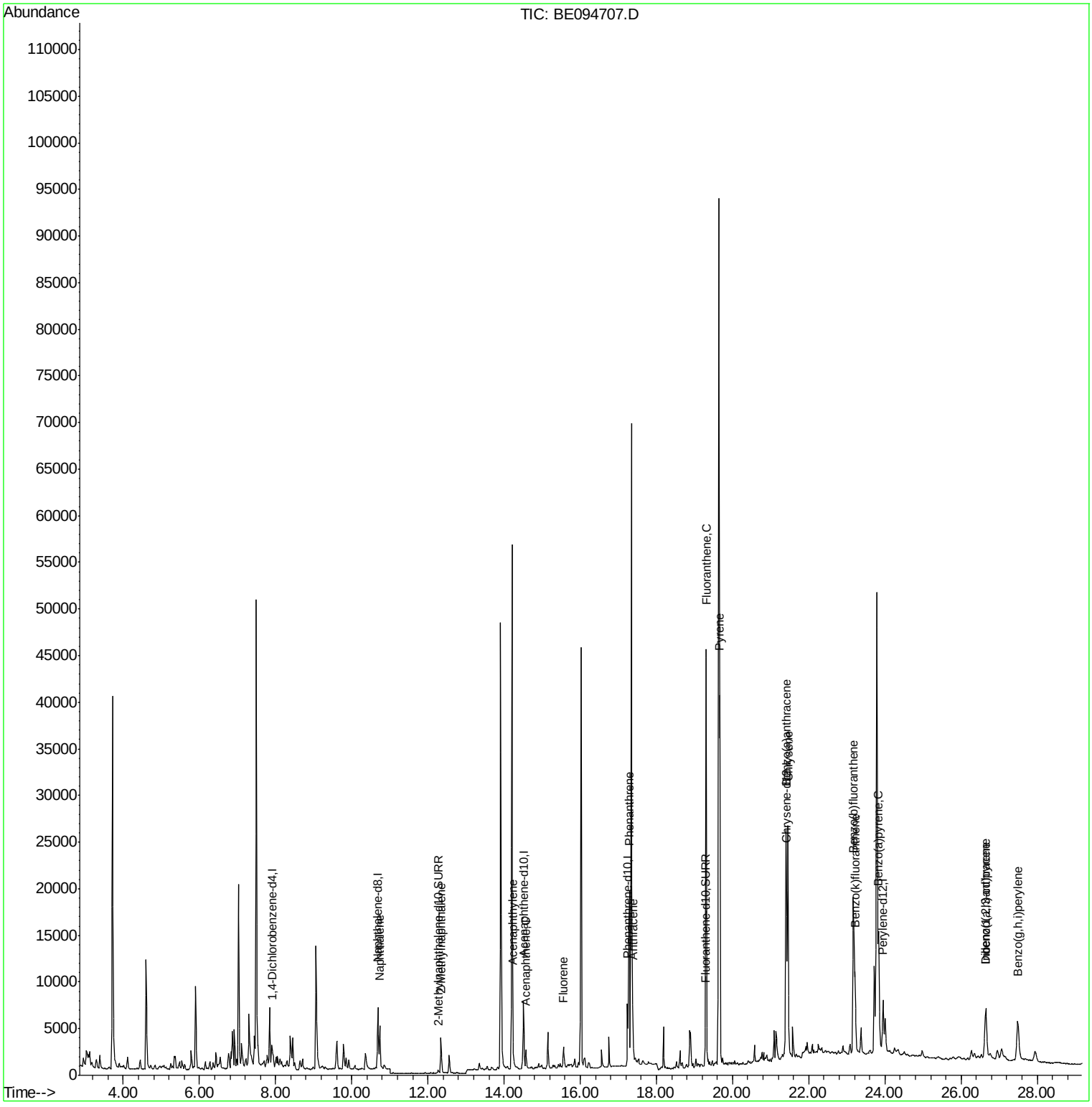

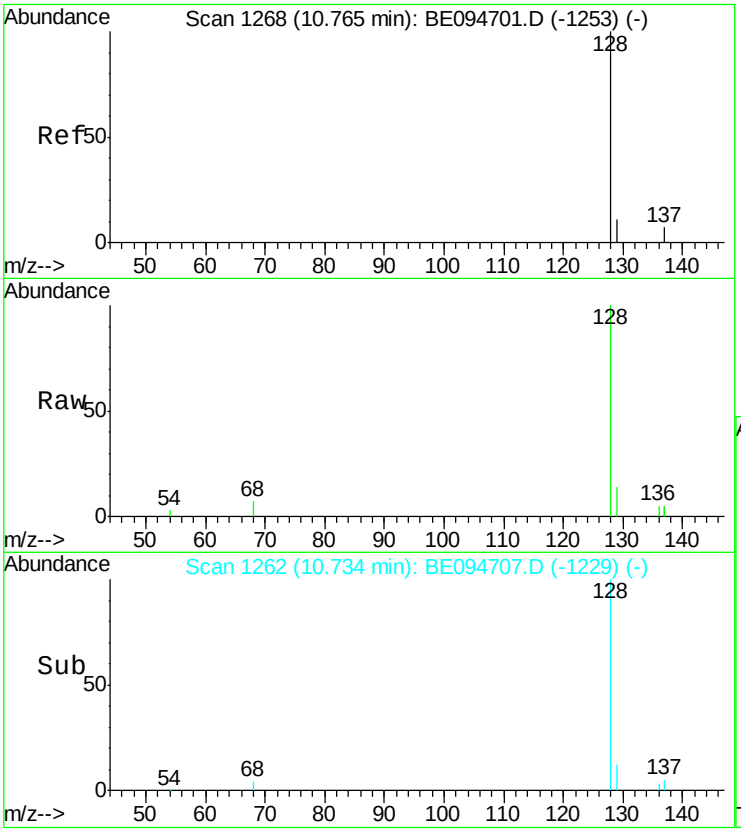


#3
Naphthalene
Concen: 0.378 ng/ul
RT: 10.73 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:128 Resp: 7341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.1 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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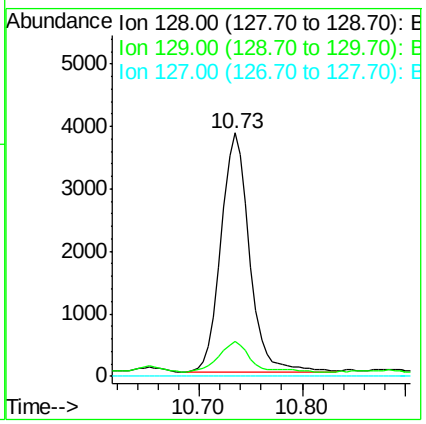
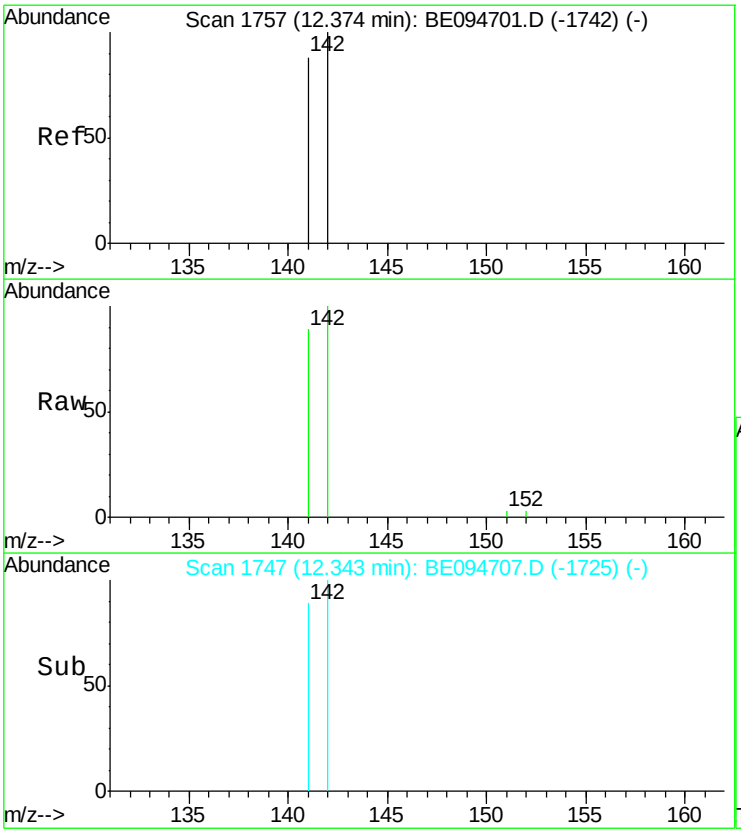
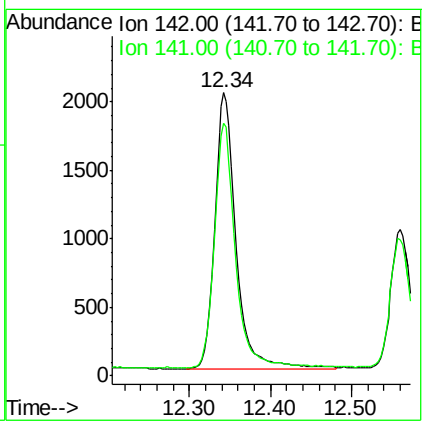


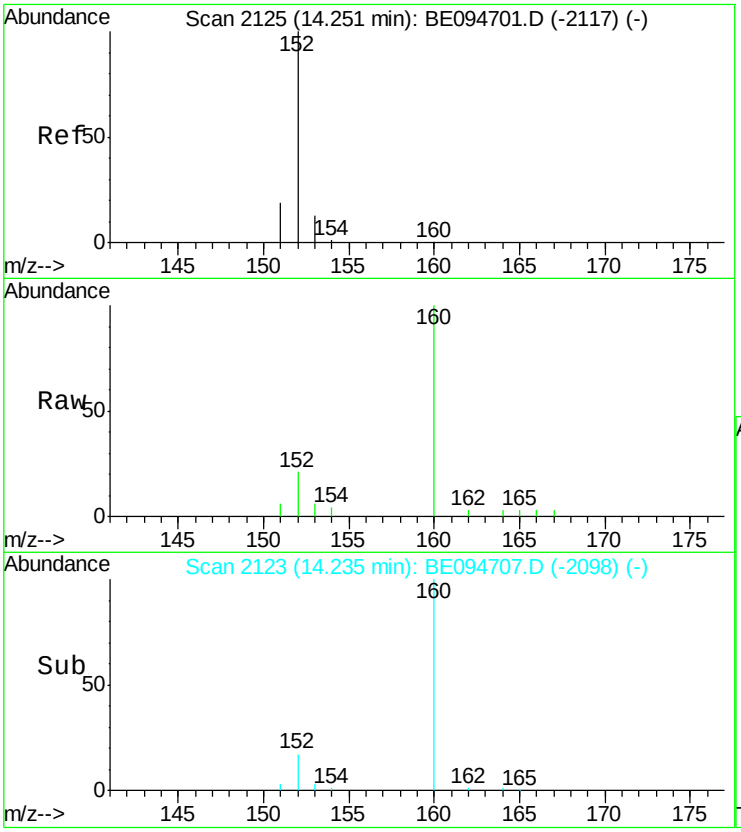




#5
2-Methylnaphthalene
Concen: 0.272 ng/ul
RT: 12.34 min Scan# 1747
Delta R.T. -0.03 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:142 Resp: 3700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 72.6 | 108.8 |






#7
Acenaphthylene
Concen: 0.044 ng/ul
RT: 14.24 min Scan# 2123
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:152 Resp: 886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 30.7 | 17.1 | 25.7# |
| 153 | 29.5 | 12.8 | 19.2# |

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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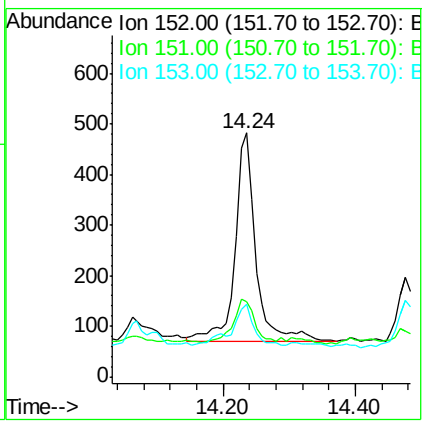
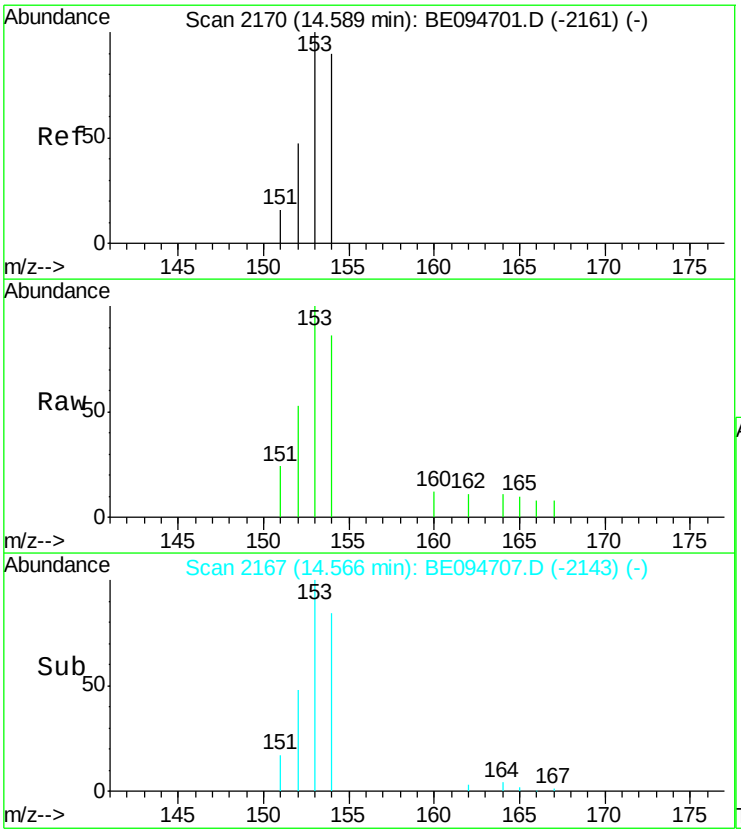
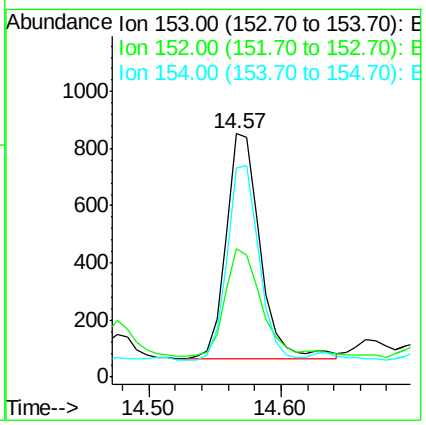


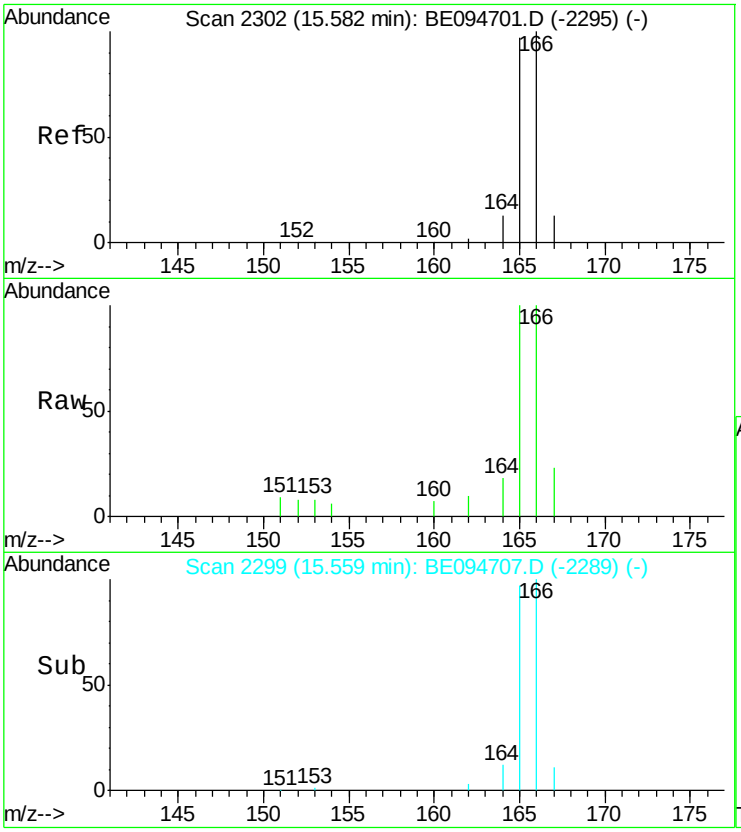




#8
Acenaphthene
Concen: 0.097 ng/ul
RT: 14.57 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:153 Resp: 1410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 52.6 | 36.0 | 54.0 |
| 154 | 85.7 | 72.0 | 108.0 |






#9
Fluorene
Concen: 0.098 ng/ul
RT: 15.56 min Scan# 2299
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:166 Resp: 1598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.7 | 73.4 | 110.2 |
| 167 | 23.0 | 14.6 | 22.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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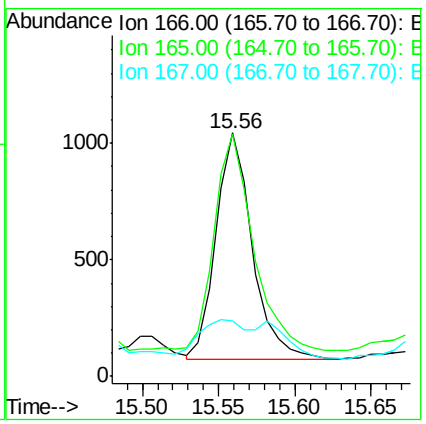
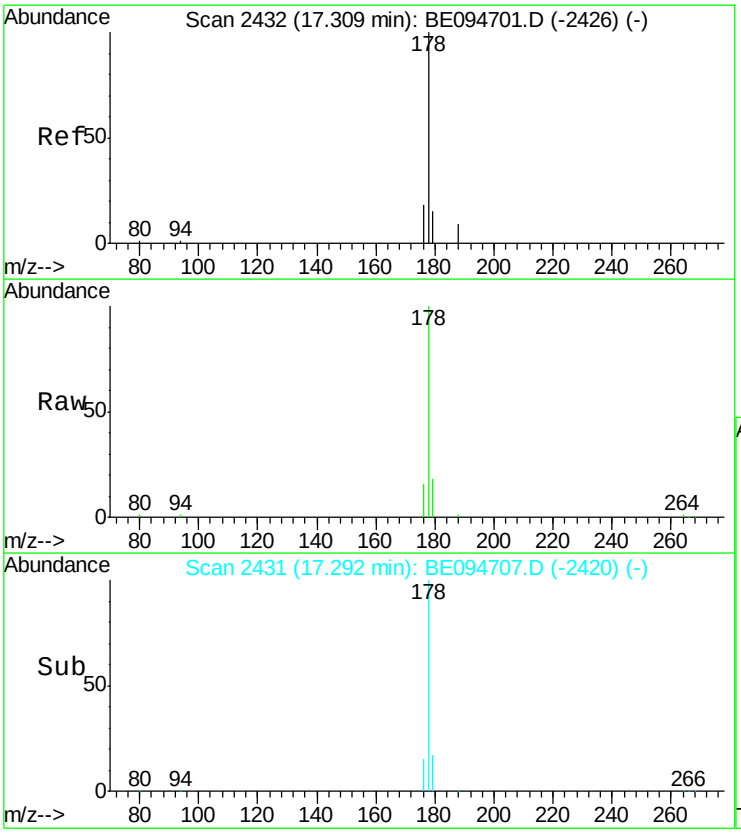
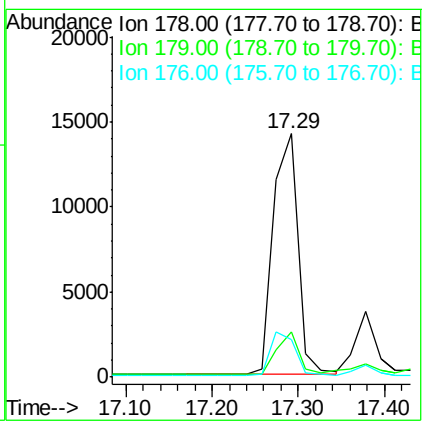


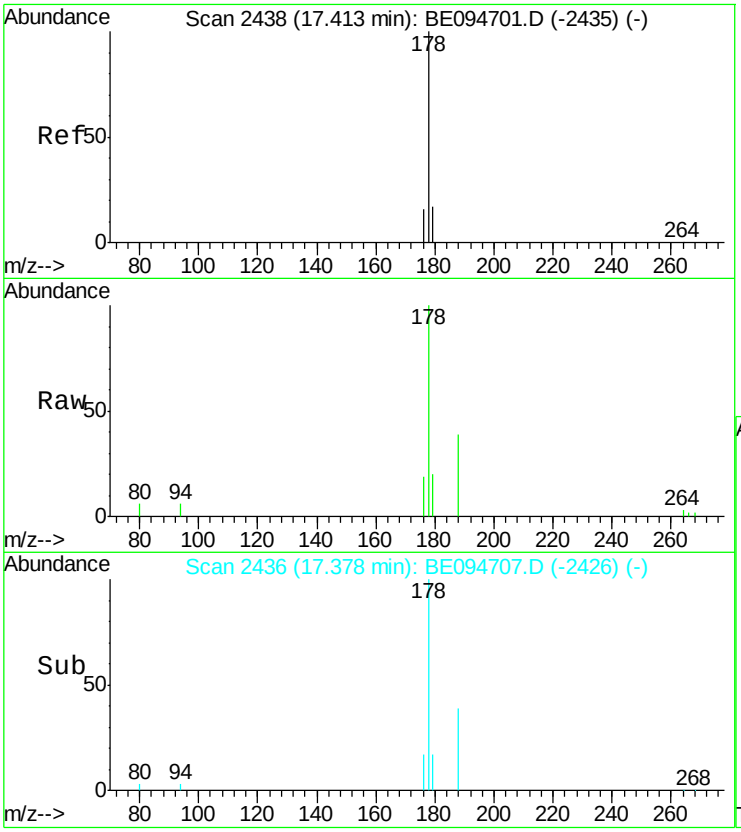




#12
Phenanthrene
Concen: 1.130 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:178 Resp: 28777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.4 | 18.4 | 27.6 |
| 176 | 15.6 | 13.6 | 20.4 |

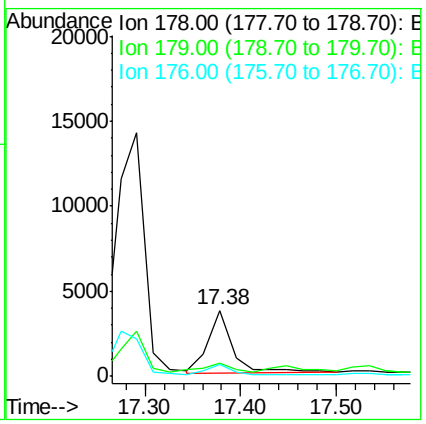





#13
Anthracene
Concen: 0.254 ng/ul
RT: 17.38 min Scan# 2436
Delta R.T. -0.03 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:178 Resp: 6378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.5 | 18.1 | 27.1 |
| 176 | 18.8 | 14.7 | 22.1 |




**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

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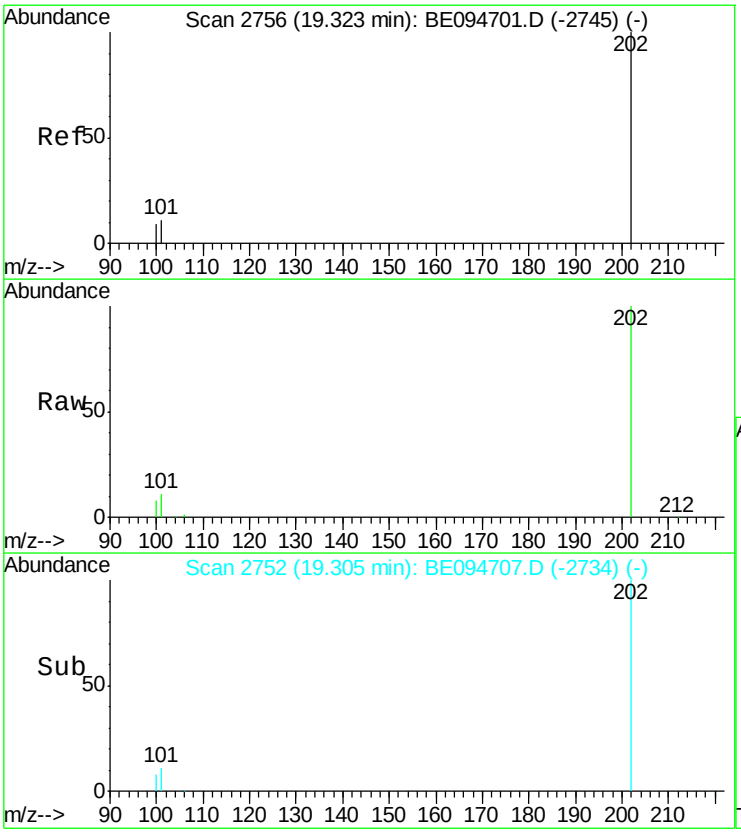
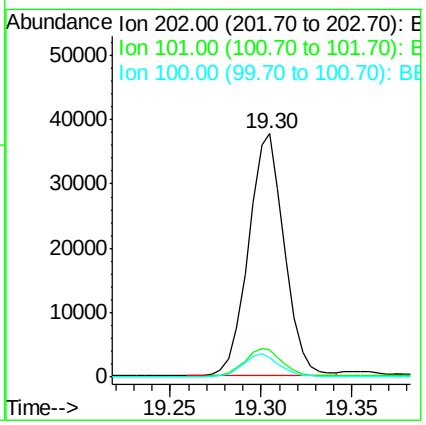
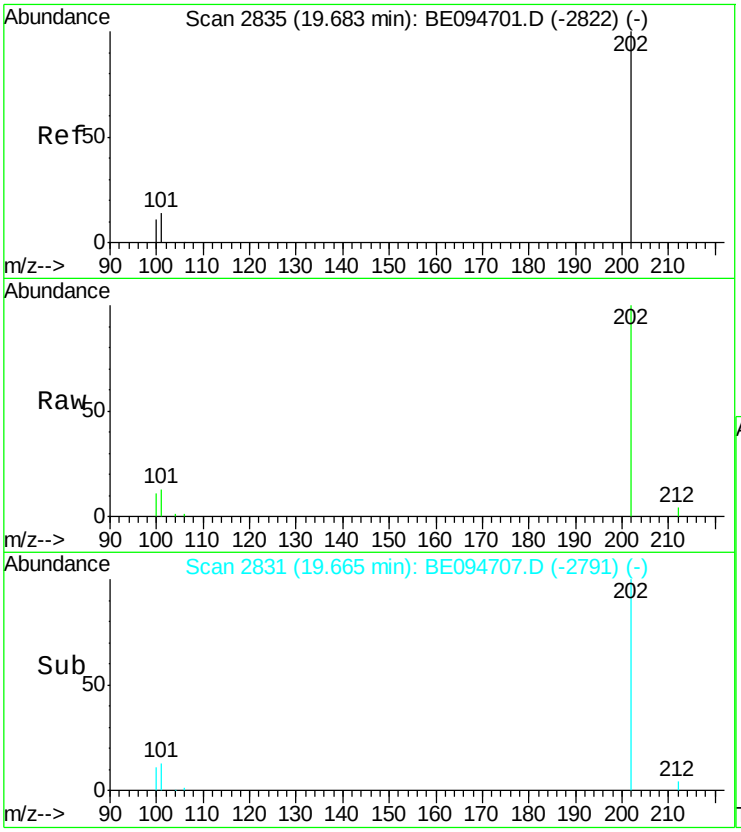



#15
Fluoranthene
Concen: 1.767 ng/ul
RT: 19.30 min Scan# 2752
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:202 Resp: 52026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 0.0 | 30.3 |
| 100 | 8.2 | 0.0 | 39.5 |






#17
Pyrene
Concen: 1.495 ng/ul
RT: 19.66 min Scan# 2831
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:202 Resp: 44772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 18.2 | 27.4# |
| 100 | 11.3 | 15.6 | 23.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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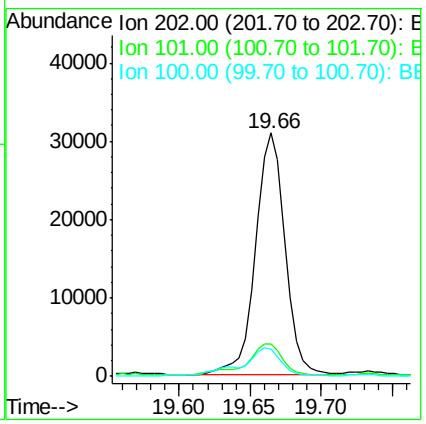
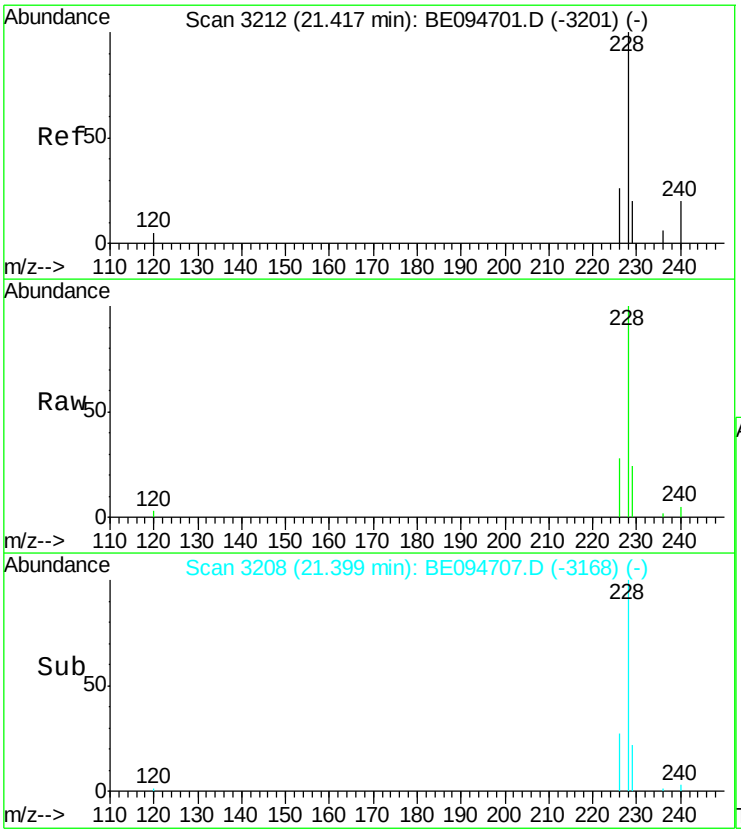
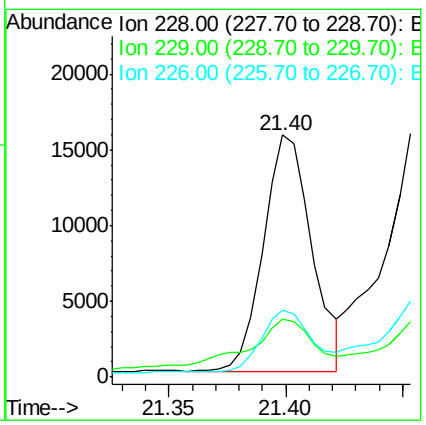


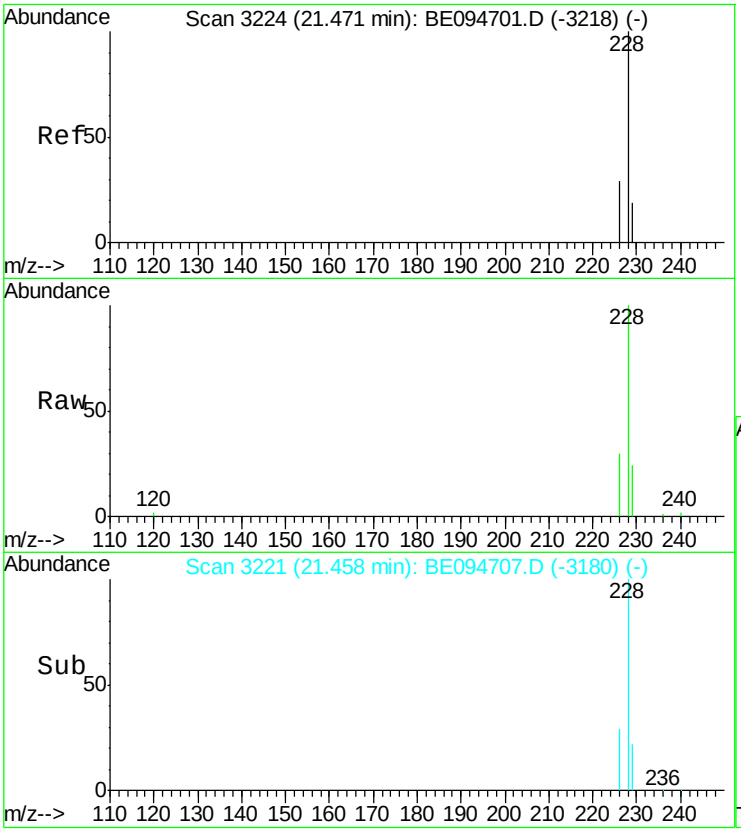




#18
Benzo(a)anthracene
Concen: 0.808 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:228 Resp: 22386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.9 | 22.8 | 34.2 |
| 226 | 27.9 | 17.0 | 25.6# |

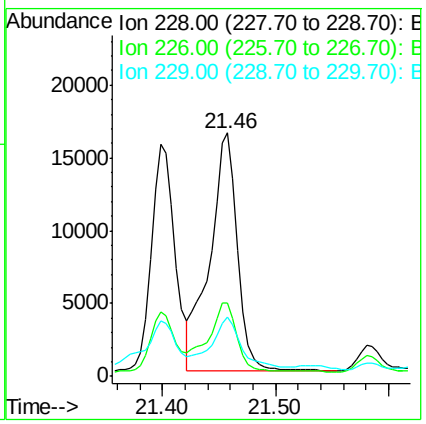





#19
Chrysene
Concen: 0.981 ng/ul
RT: 21.46 min Scan# 3221
Delta R.T. -0.01 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:228 Resp: 28093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.4 | 35.0 |
| 229 | 24.5 | 17.7 | 26.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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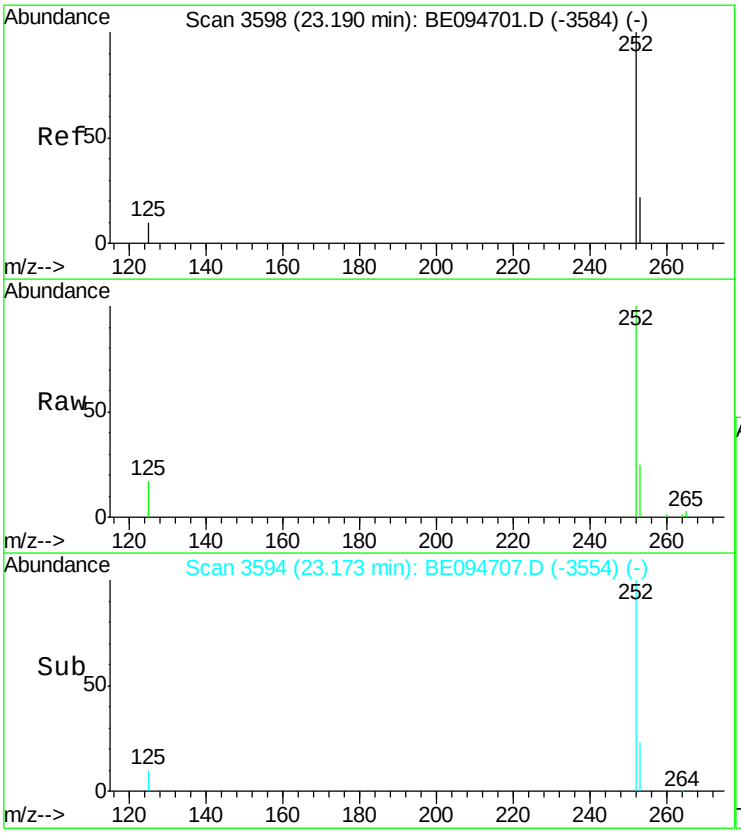
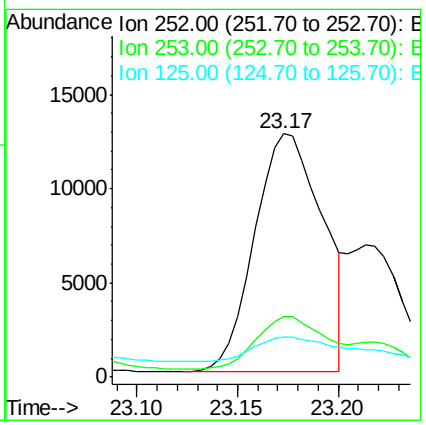
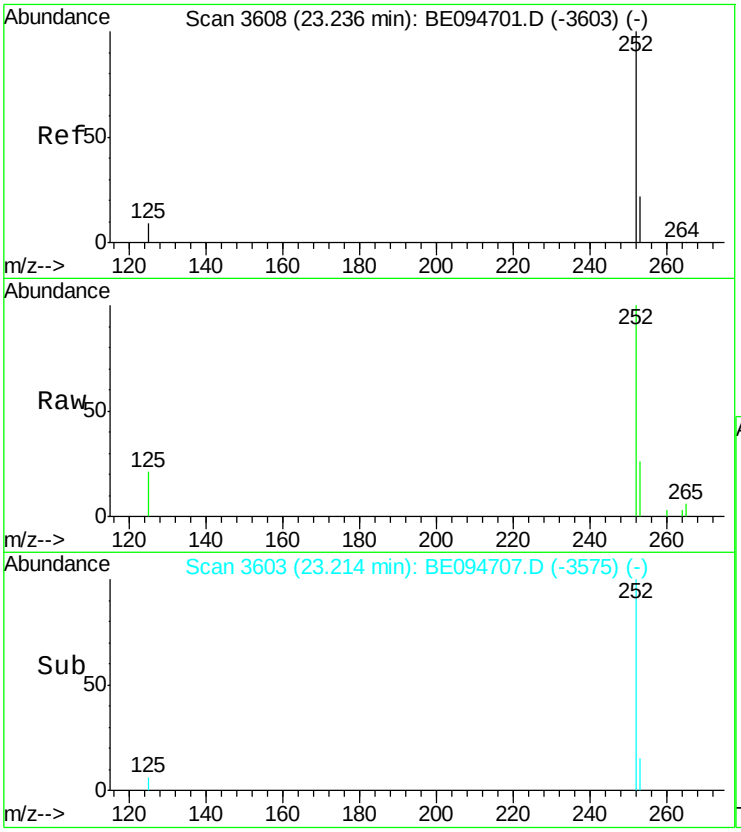



#21
Benzo(b)fluoranthene
Concen: 1.027 ng/ul m
RT: 23.17 min Scan# 3594
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:252 Resp: 29665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 0.0 | 64.2 |
| 125 | 16.5 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 0.439 ng/ul m
RT: 23.21 min Scan# 3603
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:252 Resp: 13580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 24.5 | 36.7 |
| 125 | 21.0 | 13.7 | 20.5# |

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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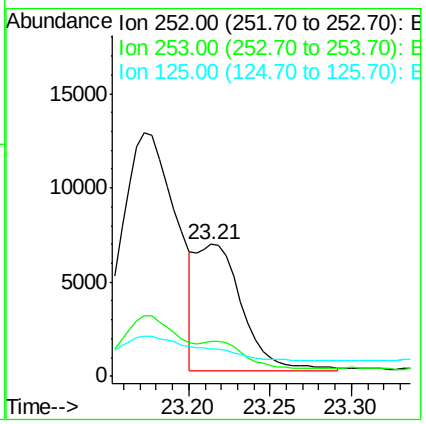
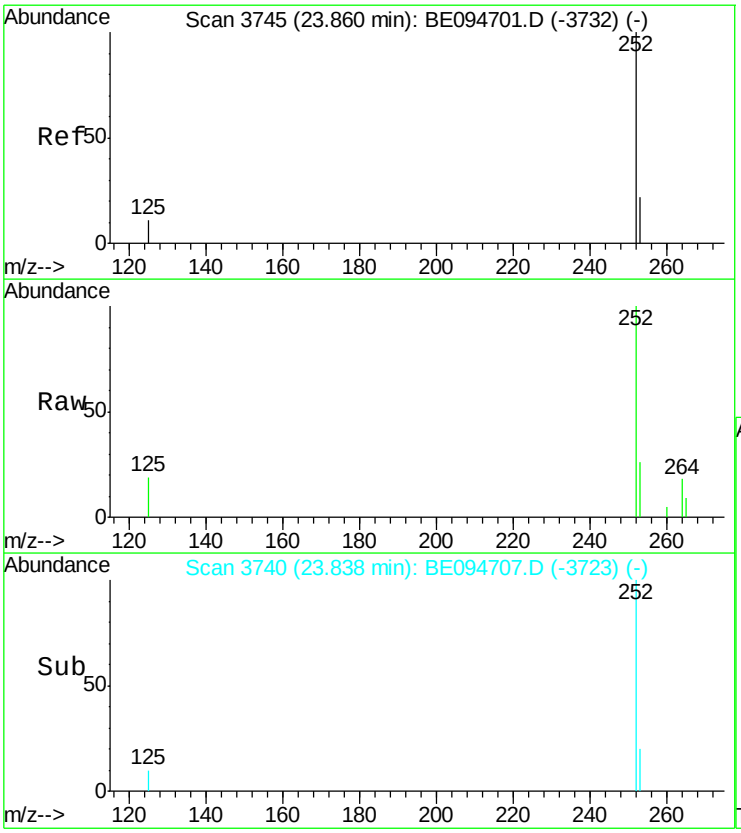
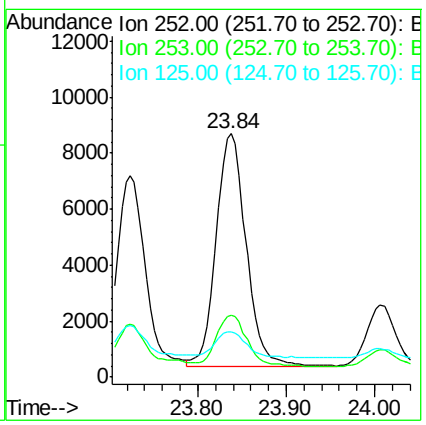


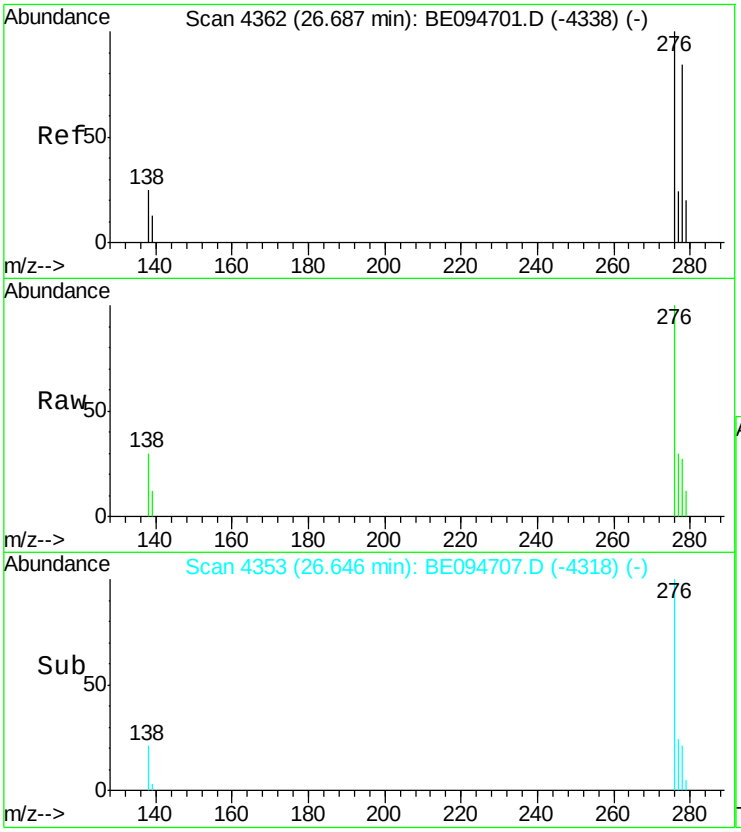




#23
Benzo(a)pyrene
Concen: 0.674 ng/ul
RT: 23.84 min Scan# 3740
Delta R.T. -0.02 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:252 Resp: 19480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 28.5 | 42.7# |
| 125 | 18.7 | 18.1 | 27.1 |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.400 ng/ul
RT: 26.65 min Scan# 4353
Delta R.T. -0.04 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
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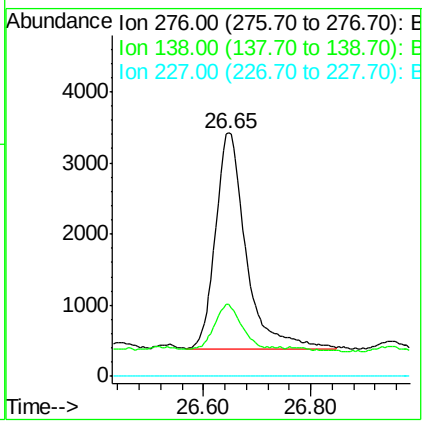
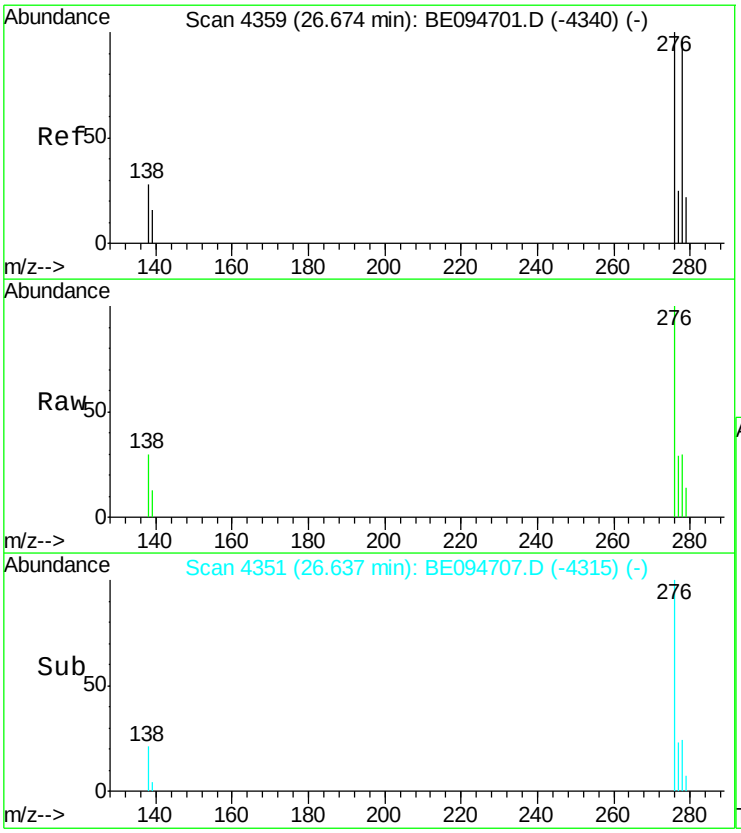
11/4/2017 2:15:13 PM

Tgt Ion:276 Resp: 11946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.8 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

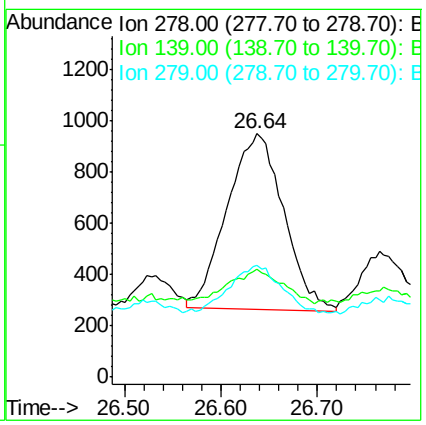


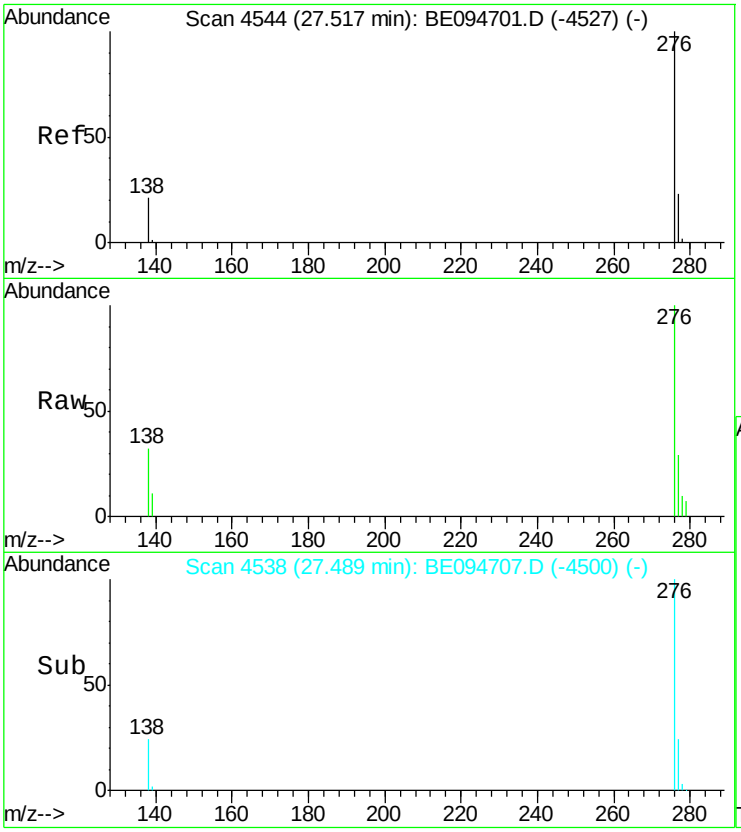




#25
Dibenzo(a,h)anthracene
Concen: 0.111 ng/ul
RT: 26.64 min Scan# 4351
Delta R.T. -0.04 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:278 Resp: 2801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 44.5 | 17.4 | 26.0# |
| 279 | 45.7 | 25.9 | 38.9# |

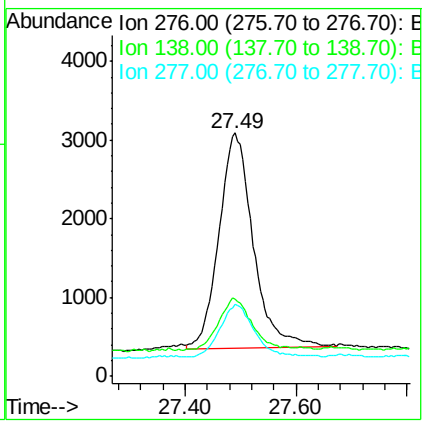





#26
Benzo(g,h,i)perylene
Concen: 0.486 ng/ul
RT: 27.49 min Scan# 4538
Delta R.T. -0.03 min
Lab File: BE094707.D
Acq: 3 Nov 2017 14:59

Tgt Ion:276 Resp: 11661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 31.7 | 21.8 | 32.8 |
| 277 | 29.4 | 20.5 | 30.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
B-61(0-1)-101117

**Manual Integrations APPROVED**
Sohil
11/4/2017 2:15:13 PM