Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112817\
Data File : BE094882.D
Acq On : 28 Nov 2017 14:00
Operator : SJ/JU
Sample : I6496-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

**Manual Integrations APPROVED**
Sohil
11/29/2017 5:14:59 PM

Quant Time: Nov 29 01:47:38 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE111417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 29 01:10:42 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 562 | 0.40 | ng/ul | -0.04 |
| 2) Naphthalene-d8 | 10.70 | 136 | 3838 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.51 | 164 | 2742 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.24 | 188 | 6951 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.42 | 240 | 6973 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.96 | 264 | 7321 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.31 | 152 | 396 | 0.06 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.28 | 212 | 1556 | 0.07 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.75 | 128 | 376 | 0.041 | ng/ul# | 62 |
| 5) 2-Methylnaphthalene | 12.39 | 142 | 350 | 0.055 | ng/ul | 92 |
| 7) Acenaphthylene | 14.24 | 152 | 525 | 0.042 | ng/ul# | 71 |
| 8) Acenaphthene | 14.57 | 153 | 193 | 0.022 | ng/ul# | 89 |
| 9) Fluorene | 15.57 | 166 | 368 | 0.034 | ng/ul# | 86 |
| 12) Phenanthrene | 17.27 | 178 | 6028 | 0.323 | ng/ul# | 87 |
| 13) Anthracene | 17.38 | 178 | 1989 | 0.105 | ng/ul | 96 |
| 15) Fluoranthene | 19.30 | 202 | 19723 | 0.805 | ng/ul | 83 |
| 17) Pyrene | 19.66 | 202 | 18781 | 0.861 | ng/ul# | 78 |
| 18) Benzo(a)anthracene | 21.41 | 228 | 12293 | 0.580 | ng/ul# | 89 |
| 19) Chrysene | 21.46 | 228 | 10811 | 0.511 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 23.18 | 252 | 15032m | 0.689 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.22 | 252 | 5772m | 0.249 | ng/ul | |
| 23) Benzo(a)pyrene | 23.84 | 252 | 11103 | 0.512 | ng/ul# | 80 |
| 24) Indeno(1,2,3-cd)pyrene | 26.67 | 276 | 7426 | 0.314 | ng/ul# | 71 |
| 25) Dibenzo(a,h)anthracene | 26.66 | 278 | 2327 | 0.117 | ng/ul | 98 |
| 26) Benzo(g,h,i)perylene | 27.51 | 276 | 6317 | 0.319 | ng/ul | 93 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112817\
Data File : BE094882.D
Acq On : 28 Nov 2017 14:00
Operator : SJ/JU
Sample : I6496-01DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE111417.M
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**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

**Manual Integrations APPROVED**
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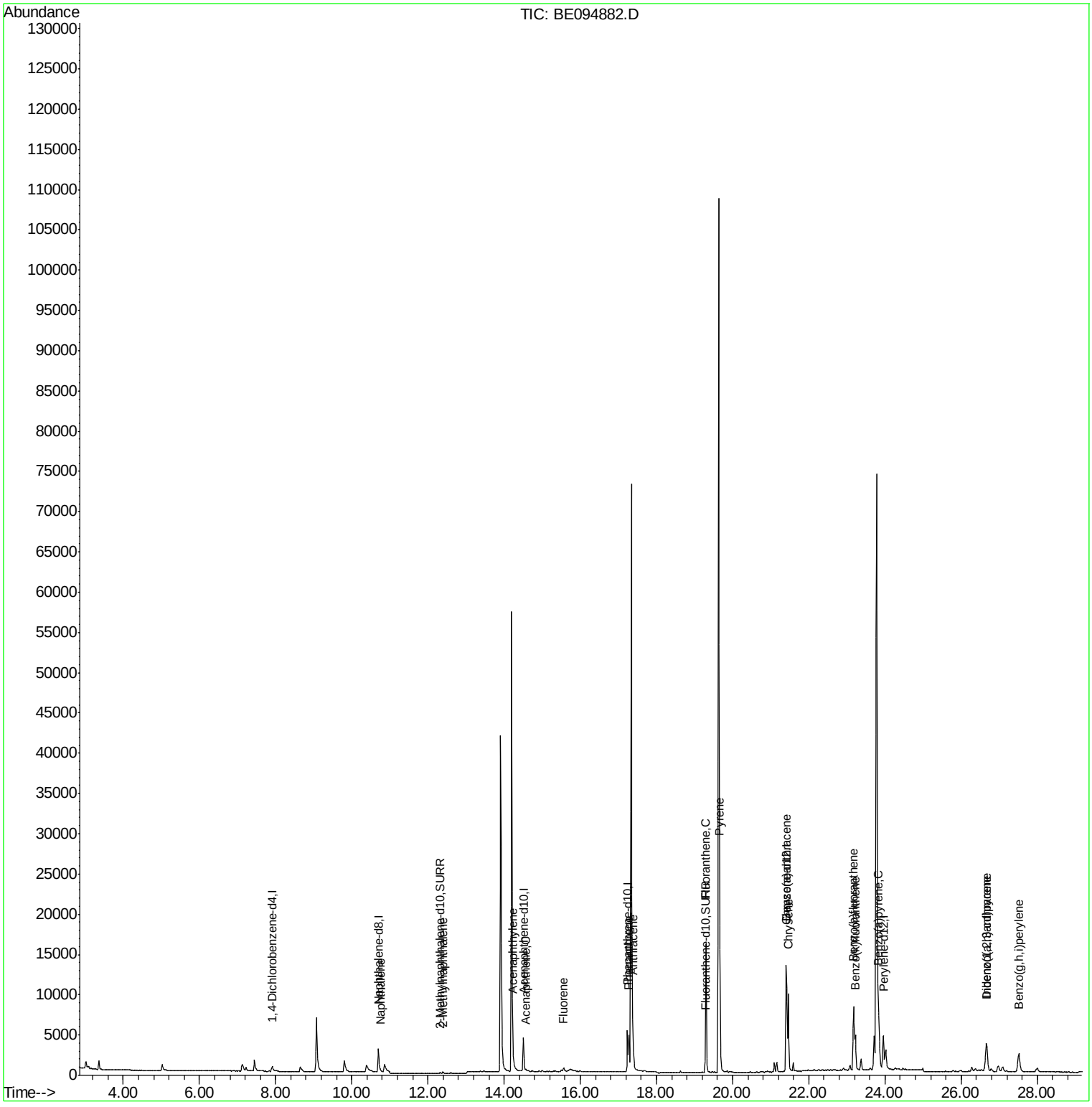
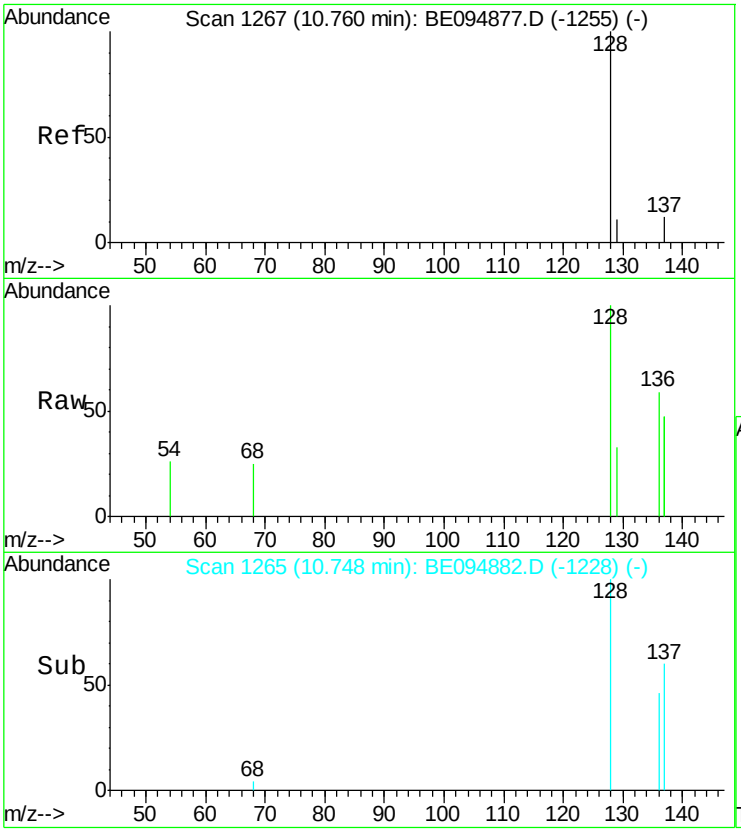
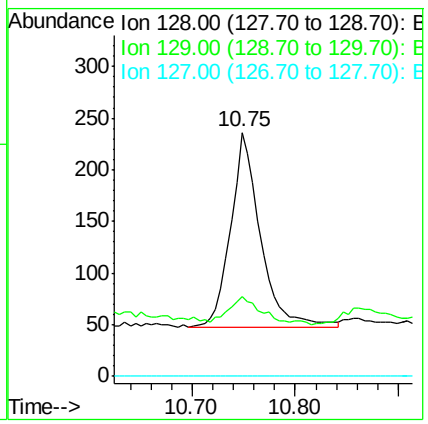





#3
Naphthalene
Concen: 0.041 ng/ul
RT: 10.75 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:128 Resp: 376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 32.6 | 11.3 | 16.9# |
| 127 | 0.0 | 4.0 | 6.0# |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

**Manual Integrations APPROVED**
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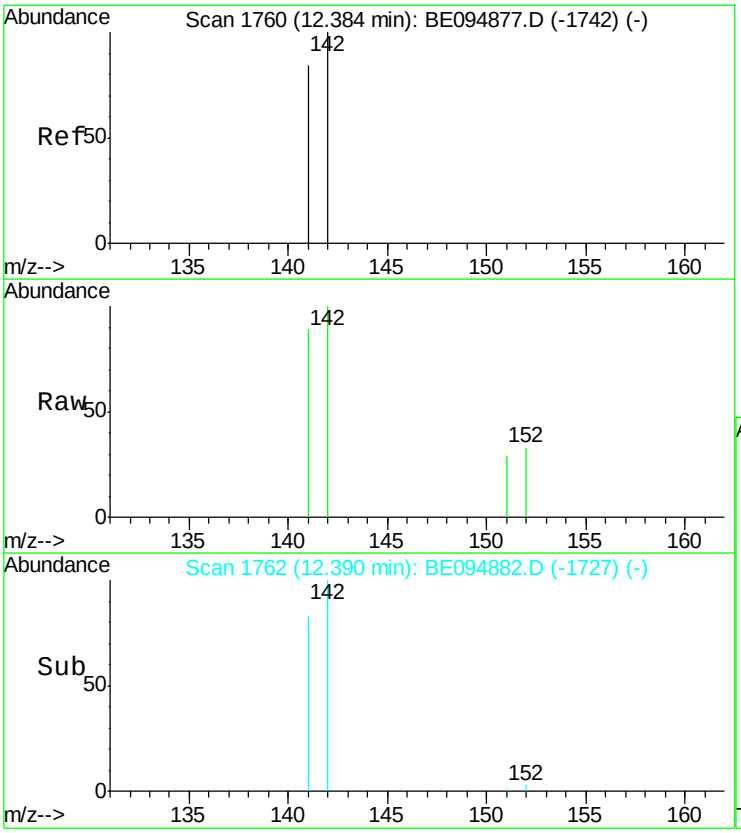
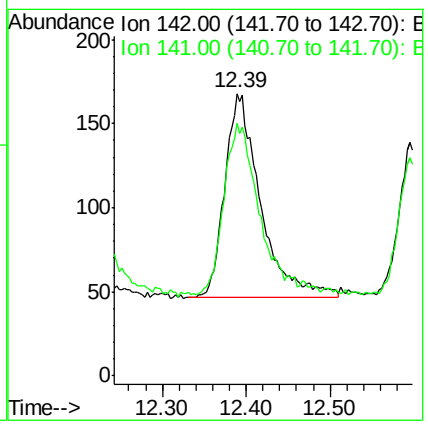
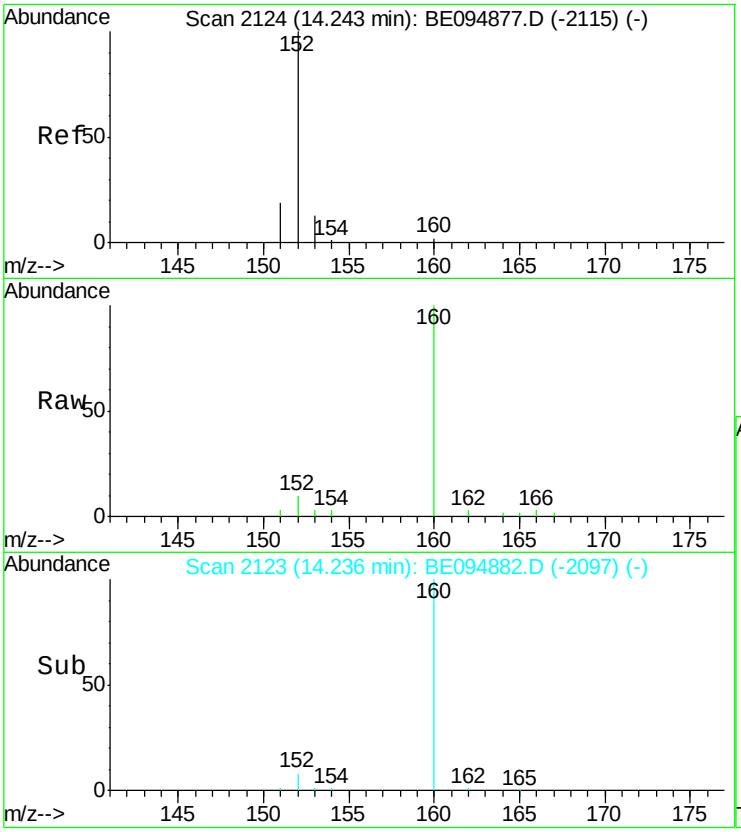



#5
2-Methylnaphthalene
Concen: 0.055 ng/ul
RT: 12.39 min Scan# 1762
Delta R.T. 0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:142 Resp: 350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 83.1 | 72.6 | 108.8 |






#7
Acenaphthylene
Concen: 0.042 ng/ul
RT: 14.24 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:152 Resp: 525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 33.8 | 17.1 | 25.7# |
| 153 | 29.6 | 12.8 | 19.2# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

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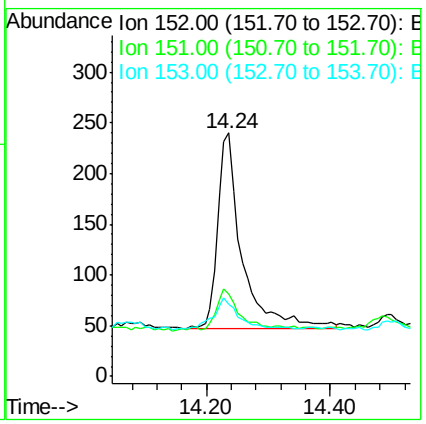
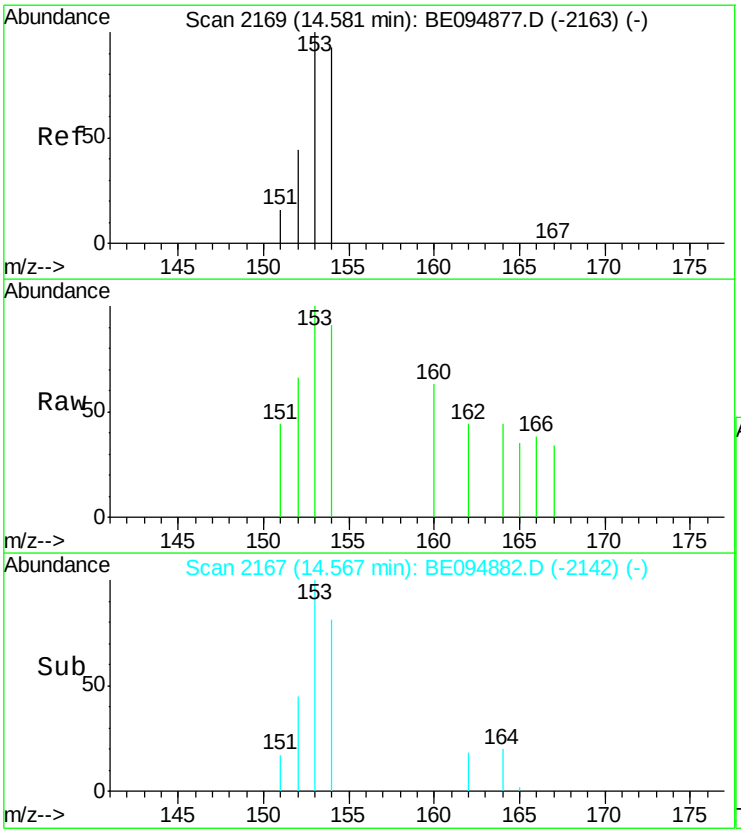
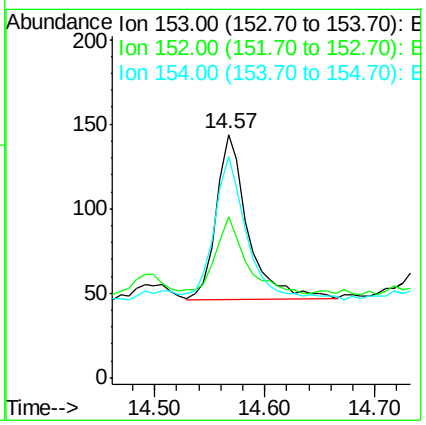


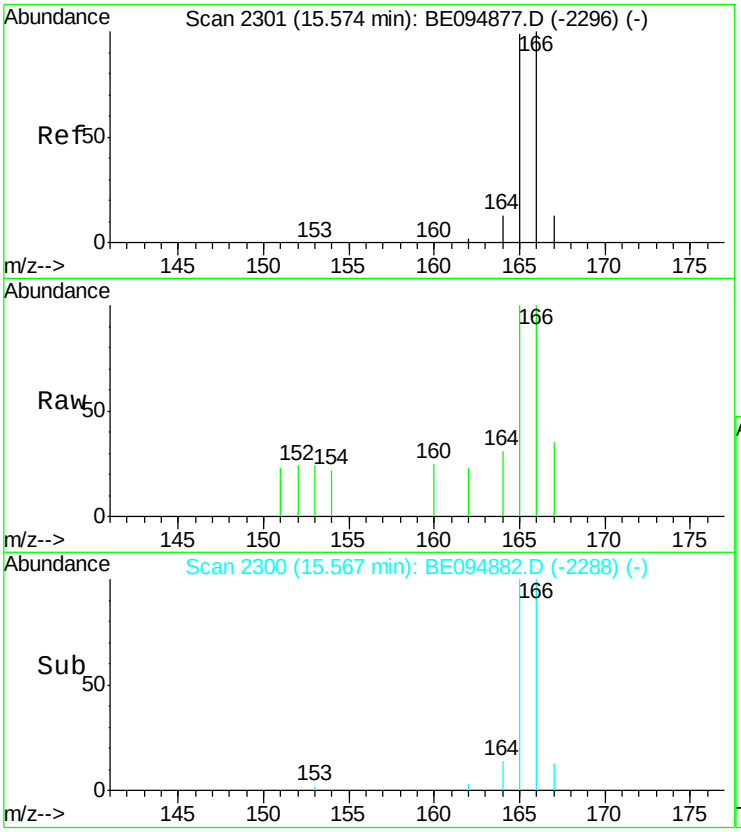




#8
Acenaphthene
Concen: 0.022 ng/ul
RT: 14.57 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:153 Resp: 193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 66.0 | 36.0 | 54.0# |
| 154 | 91.0 | 72.0 | 108.0 |






#9
Fluorene
Concen: 0.034 ng/ul
RT: 15.57 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:166 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.5 | 73.4 | 110.2 |
| 167 | 35.3 | 14.6 | 22.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

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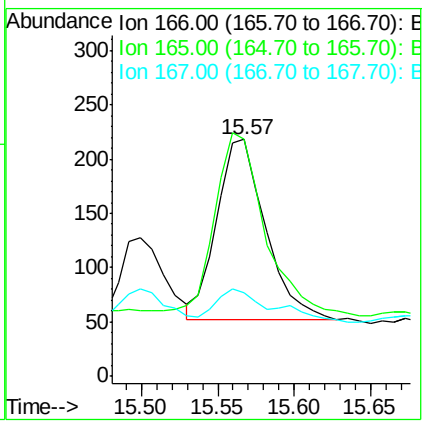
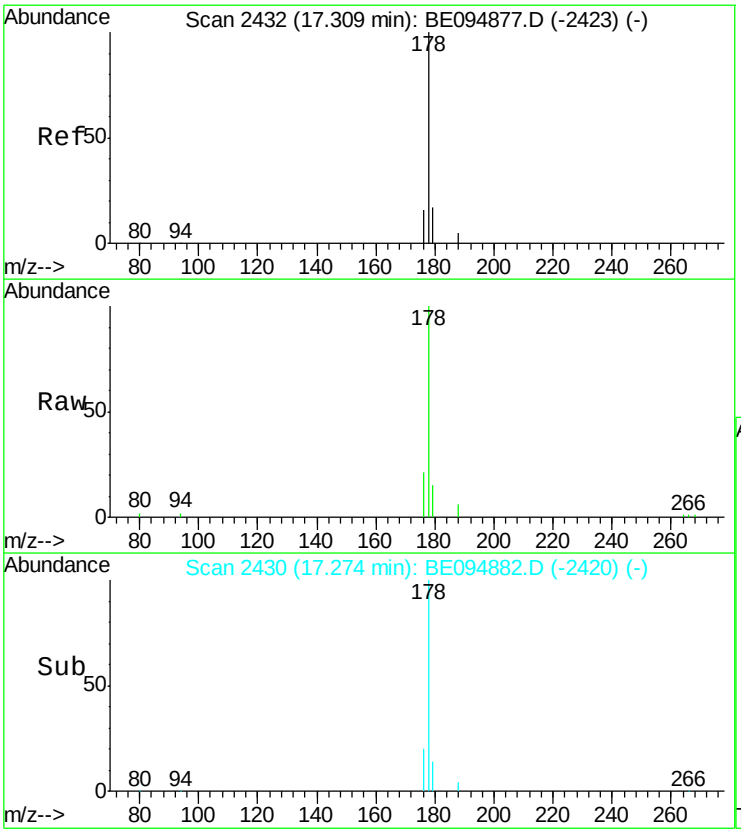
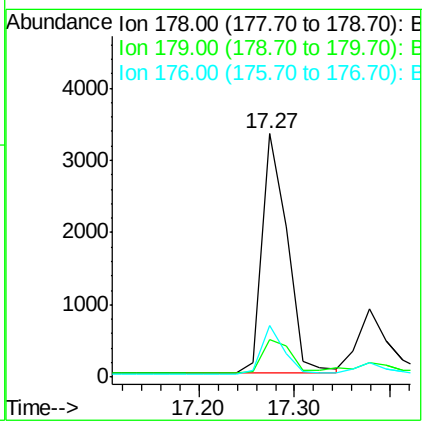


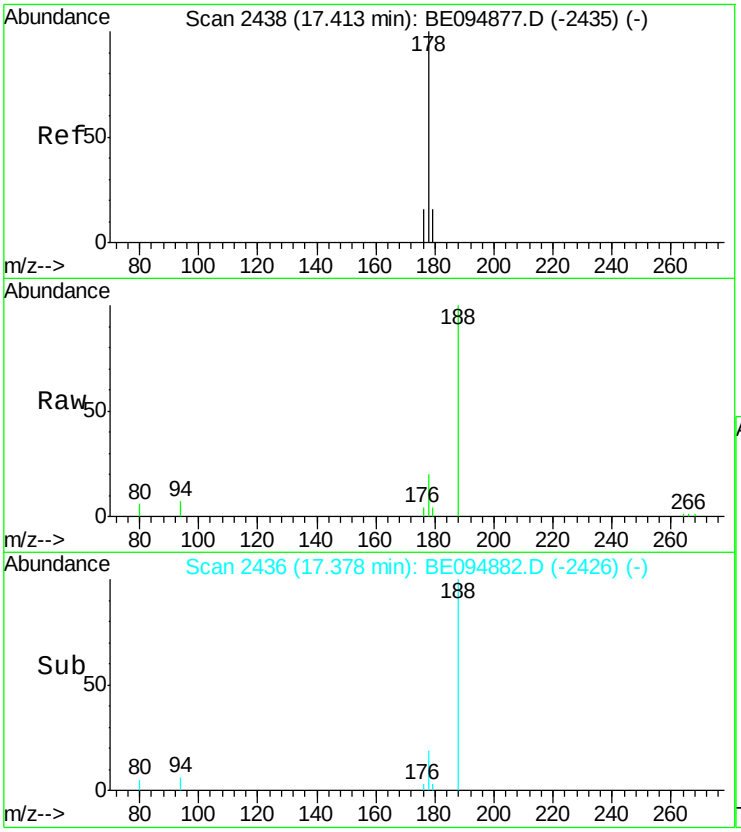




#12
Phenanthrene
Concen: 0.323 ng/ul
RT: 17.27 min Scan# 2430
Delta R.T. -0.03 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:178 Resp: 6028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 18.4 | 27.6# |
| 176 | 21.1 | 13.6 | 20.4# |

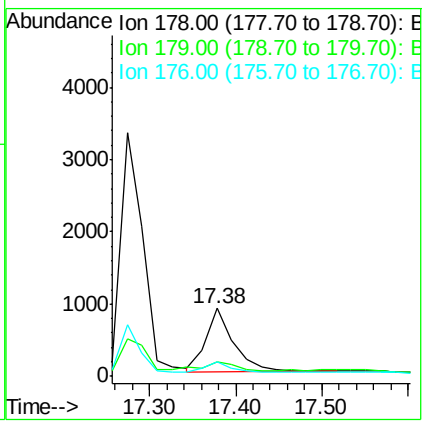





#13
Anthracene
Concen: 0.105 ng/ul
RT: 17.38 min Scan# 2436
Delta R.T. -0.03 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:178 Resp: 1989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 22.0 | 18.1 | 27.1 |
| 176 | 21.5 | 14.7 | 22.1 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

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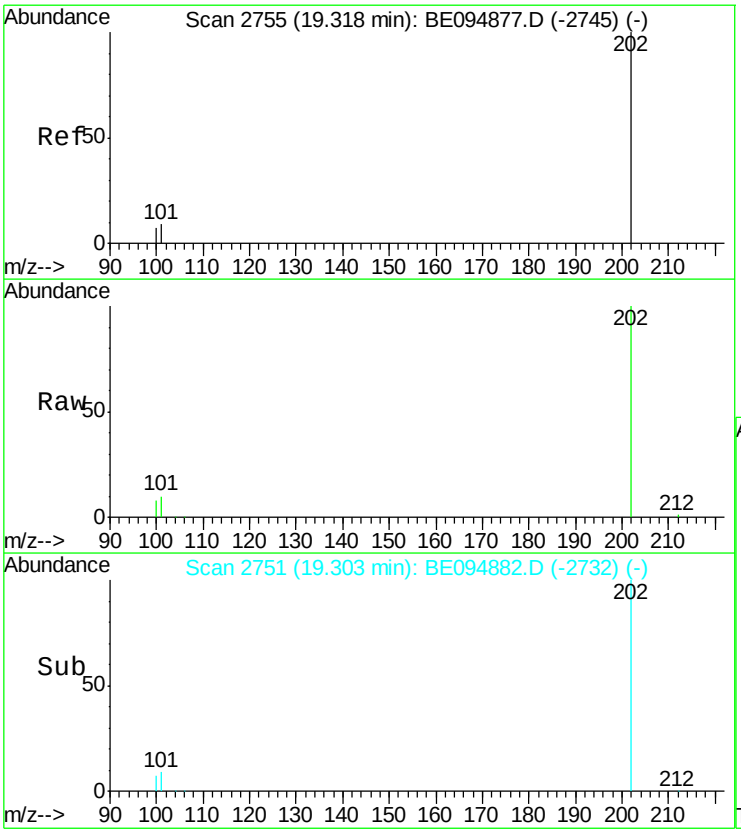
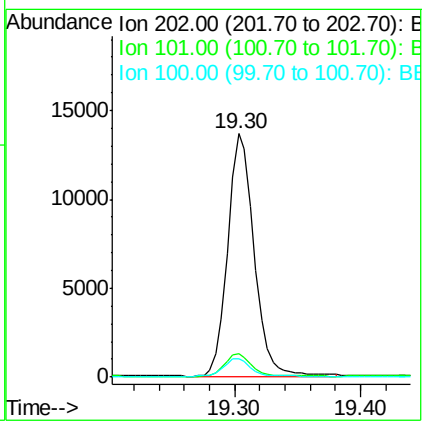
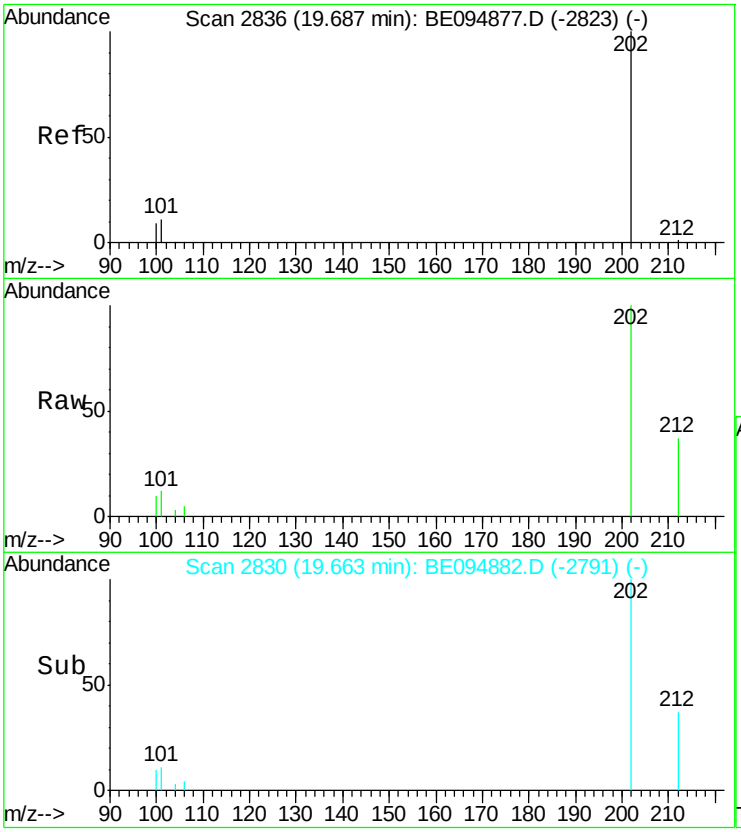



#15
Fluoranthene
Concen: 0.805 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. -0.02 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:202 Resp: 19723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 30.3 |
| 100 | 7.7 | 0.0 | 39.5 |






#17
Pyrene
Concen: 0.861 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. -0.02 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:202 Resp: 18781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 18.2 | 27.4# |
| 100 | 10.1 | 15.6 | 23.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

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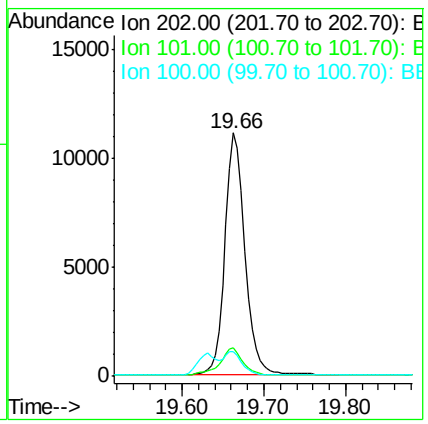
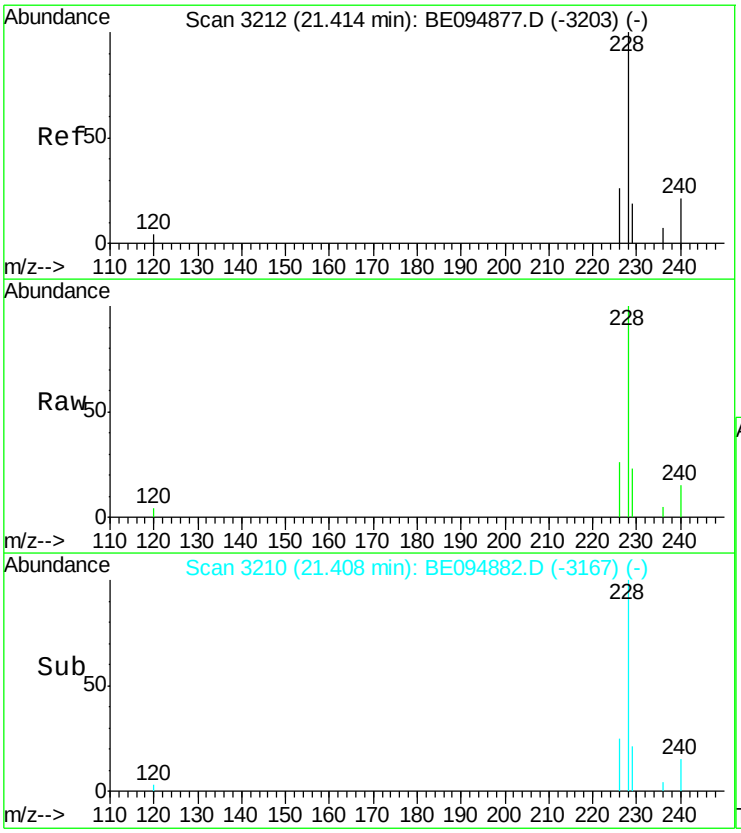
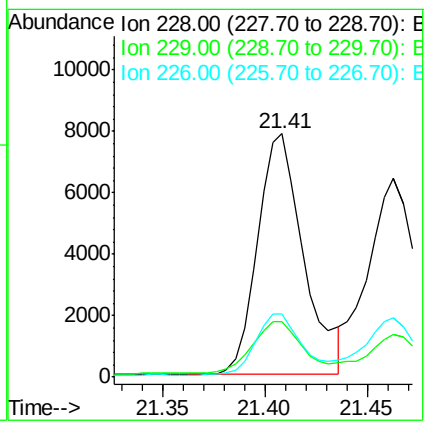


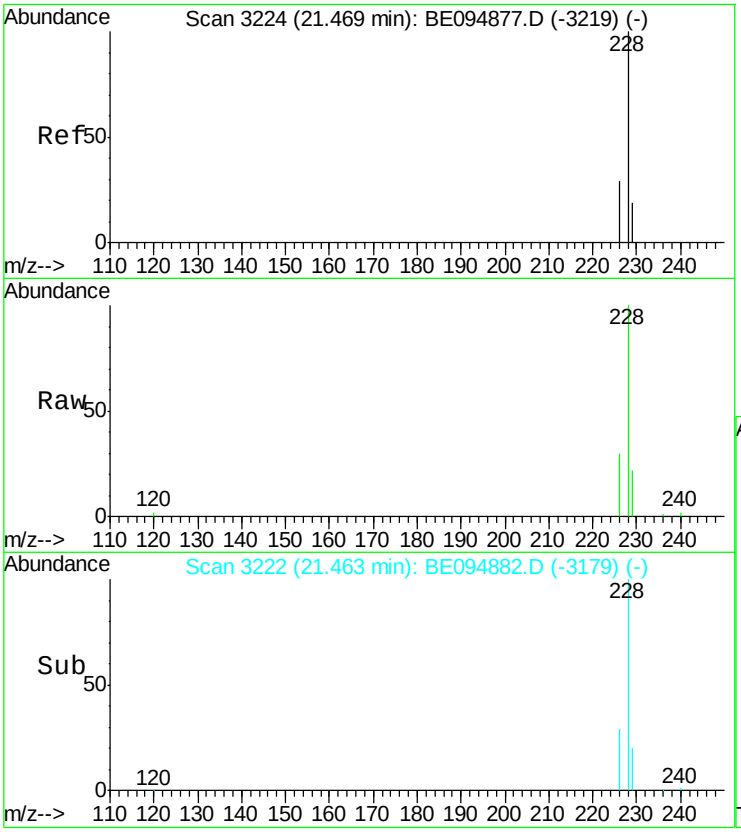




#18
Benzo(a)anthracene
Concen: 0.580 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:228 Resp: 12293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.5 | 22.8 | 34.2# |
| 226 | 26.0 | 17.0 | 25.6# |

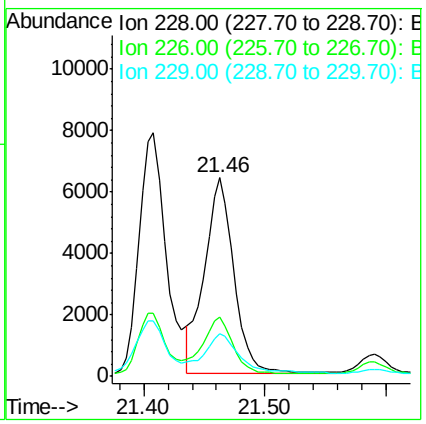





#19
Chrysene
Concen: 0.511 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:228 Resp: 10811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 23.4 | 35.0 |
| 229 | 21.5 | 17.7 | 26.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

**Manual Integrations APPROVED**
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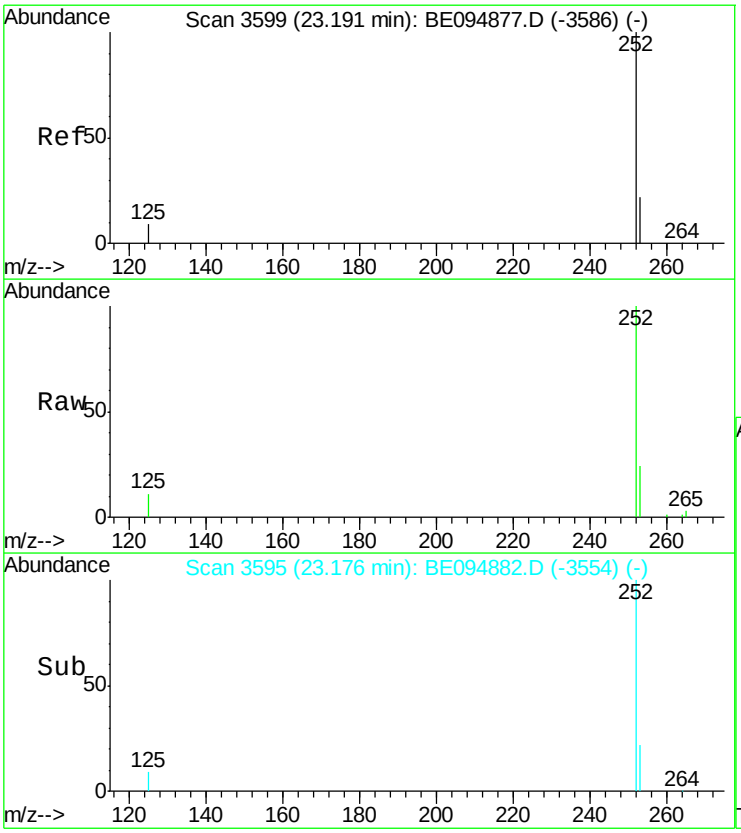
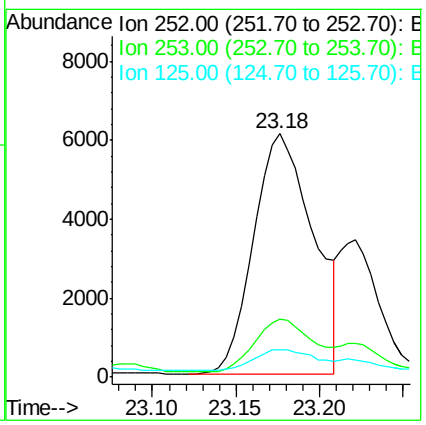
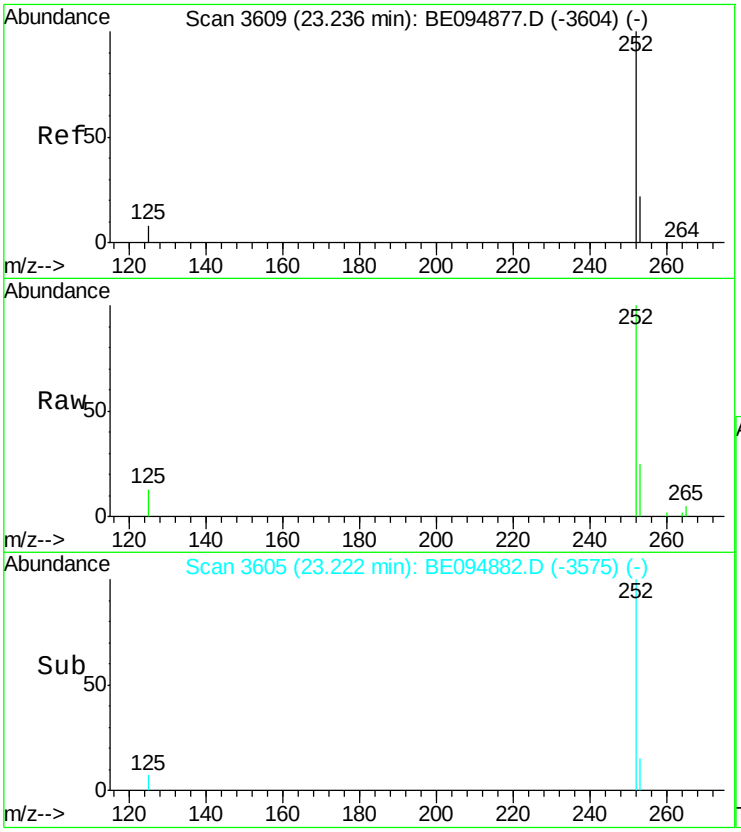



#21
Benzo(b)fluoranthene
Concen: 0.689 ng/ul m
RT: 23.18 min Scan# 3595
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:252 Resp: 15032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 0.0 | 64.2 |
| 125 | 11.3 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 0.249 ng/ul m
RT: 23.22 min Scan# 3605
Delta R.T. -0.01 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:252 Resp: 5772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 24.5 | 36.7 |
| 125 | 12.8 | 13.7 | 20.5# |

**Instrument :**
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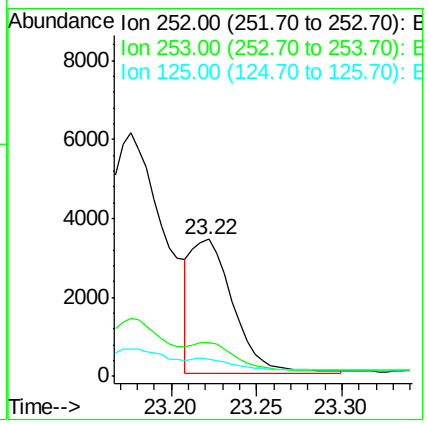
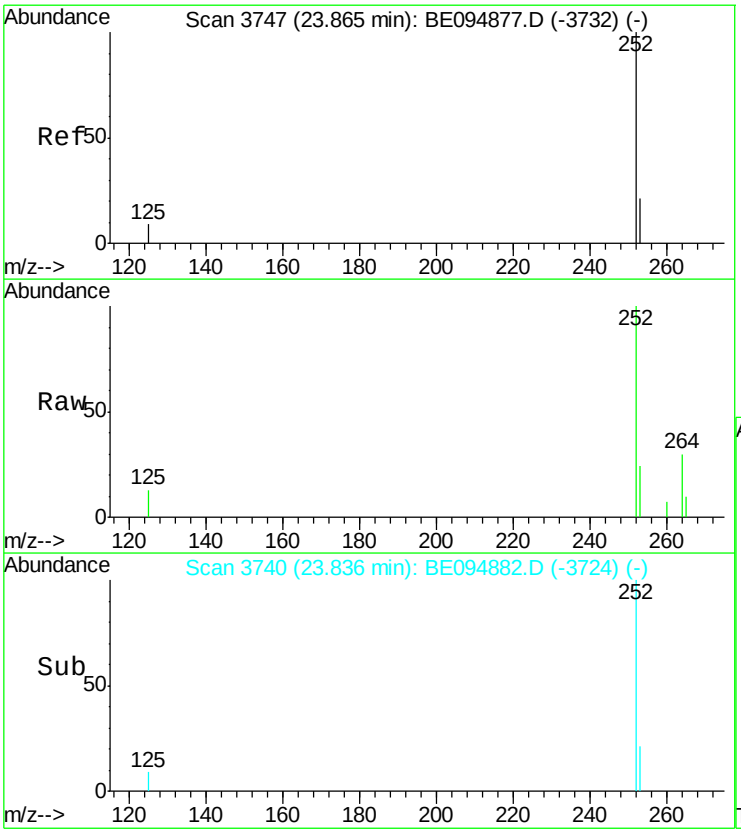
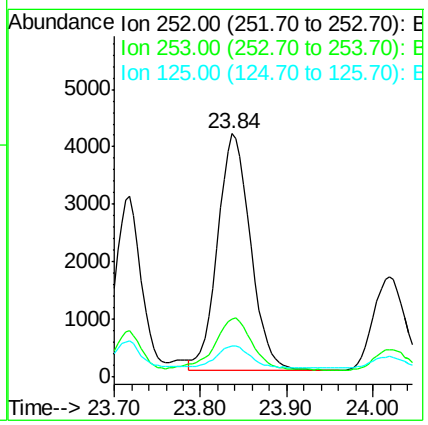


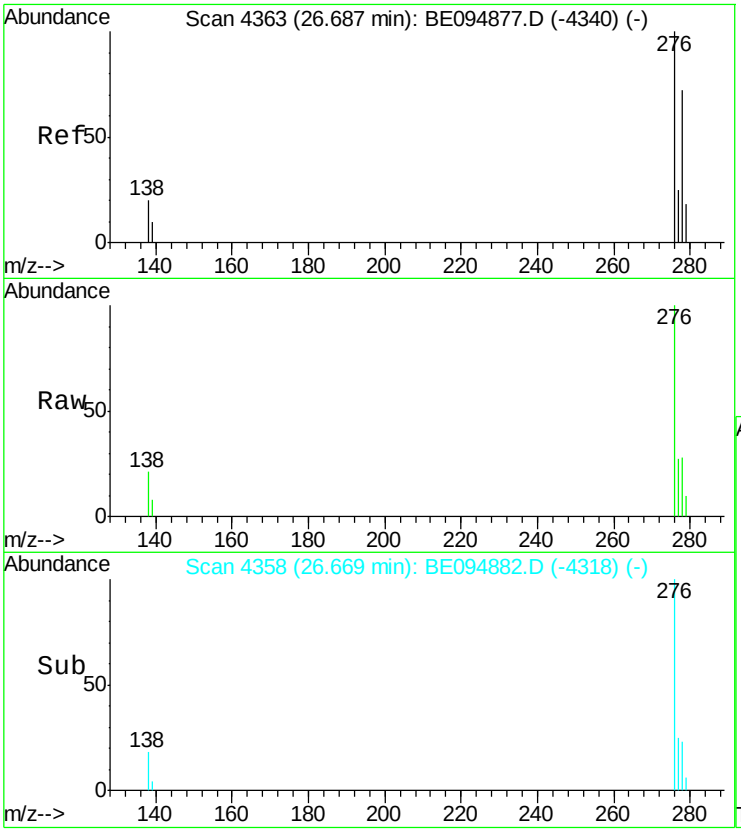




#23
Benzo(a)pyrene
Concen: 0.512 ng/ul
RT: 23.84 min Scan# 3740
Delta R.T. -0.03 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:252 Resp: 11103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 28.5 | 42.7# |
| 125 | 12.6 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.314 ng/ul
RT: 26.67 min Scan# 4358
Delta R.T. -0.02 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:276 Resp: 7426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.8 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

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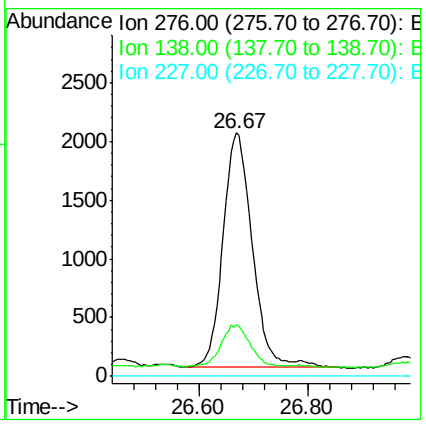
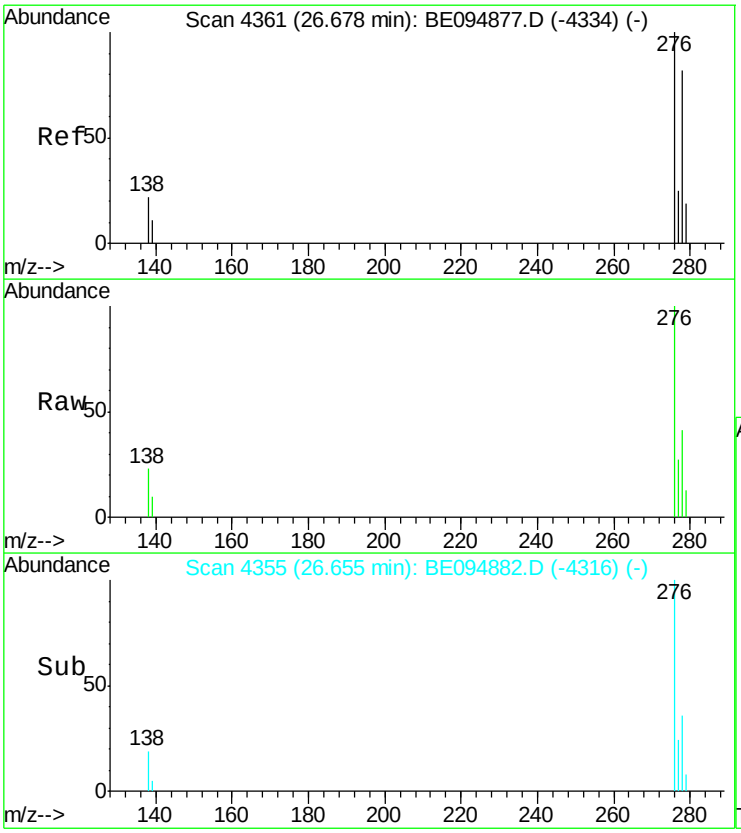
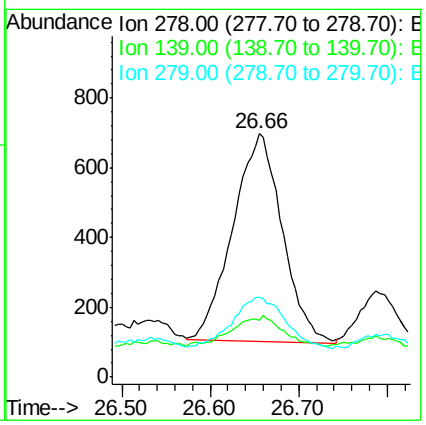


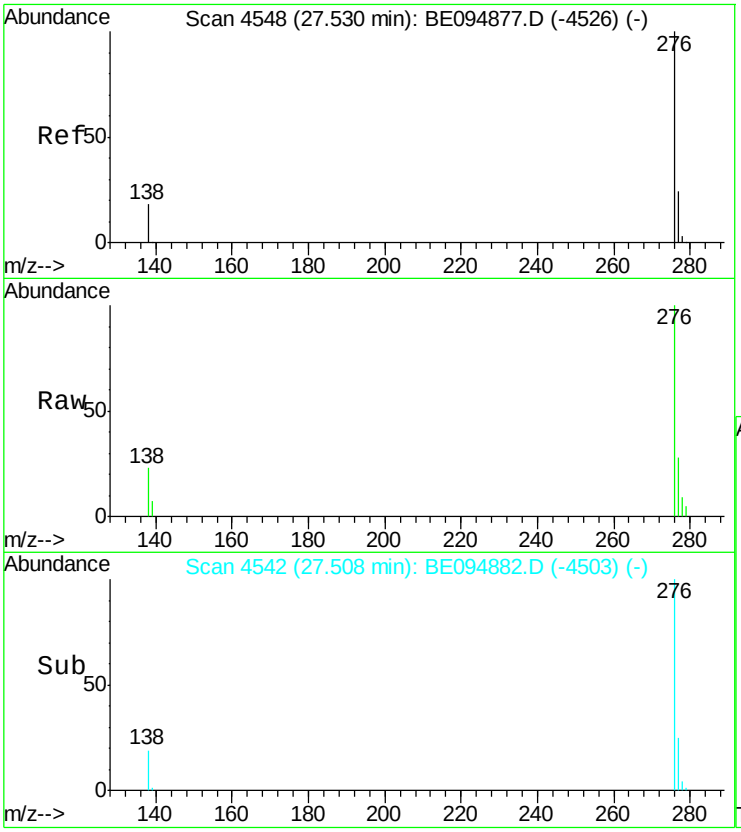




#25
Dibenzo(a,h)anthracene
Concen: 0.117 ng/ul
RT: 26.66 min Scan# 4355
Delta R.T. -0.02 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:278 Resp: 2327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.4 | 17.4 | 26.0 |
| 279 | 32.5 | 25.9 | 38.9 |

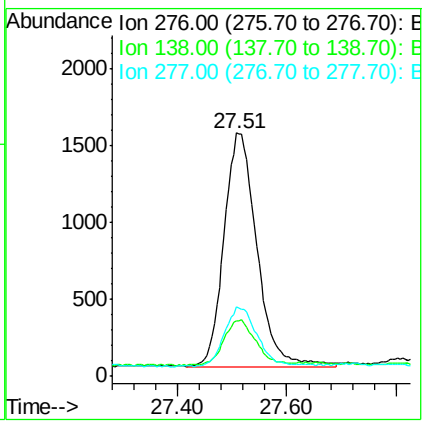





#26
Benzo(g,h,i)perylene
Concen: 0.319 ng/ul
RT: 27.51 min Scan# 4542
Delta R.T. -0.02 min
Lab File: BE094882.D
Acq: 28 Nov 2017 14:00

Tgt Ion:276 Resp: 6317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.6 | 21.8 | 32.8 |
| 277 | 28.3 | 20.5 | 30.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AA0DL

**Manual Integrations APPROVED**
Sohil
11/29/2017 5:14:59 PM