Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100917\
Data File : BE094241.D
Acq On : 10 Oct 2017 3:36
Operator : SJ/JU
Sample : I5522-19
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
Sohil
10/10/2017 4:57:33 PM

Quant Time: Oct 10 10:53:10 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 09 04:05:38 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 2716 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.69 | 136 | 13659 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.51 | 164 | 8112 | 0.40 | ng/ul | -0.02 |
| 10) Phenanthrene-d10 | 17.24 | 188 | 16678 | 0.40 | ng/ul | -0.04 |
| 16) Chrysene-d12 | 21.41 | 240 | 15727 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.93 | 264 | 15868m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.27 | 152 | 4973 | 0.23 | ng/ul | -0.01 |
| 14) Fluoranthene-d10 | 19.27 | 212 | 11357 | 0.20 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.74 | 128 | 20665 | 0.618 | ng/ul# | 92 |
| 5) 2-Methylnaphthalene | 12.34 | 142 | 14915 | 0.687 | ng/ul | 98 |
| 7) Acenaphthylene | 14.23 | 152 | 27962 | 0.884 | ng/ul | 98 |
| 8) Acenaphthene | 14.57 | 153 | 34799 | 1.337 | ng/ul | 97 |
| 9) Fluorene | 15.56 | 166 | 39526 | 1.296 | ng/ul | 92 |
| 12) Phenanthrene | 17.29 | 178 | 795337 | 18.249 | ng/ul# | 93 |
| 13) Anthracene | 17.38 | 178 | 182953 | 4.316 | ng/ul# | 92 |
| 15) Fluoranthene | 19.30 | 202 | 1889521 | 32.995 | ng/ul | 84 |
| 17) Pyrene | 19.67 | 202 | 1739366 | 39.750 | ng/ul# | 82 |
| 18) Benzo(a)anthracene | 21.40 | 228 | 1022342 | 24.504 | ng/ul# | 86 |
| 19) Chrysene | 21.45 | 228 | 976270 | 20.262 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 23.16 | 252 | 1287429m | 29.867 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.20 | 252 | 491024m | 9.855 | ng/ul | |
| 23) Benzo(a)pyrene | 23.82 | 252 | 931203m | 20.789 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.60 | 276 | 611068m | 13.336 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.60 | 278 | 164625m | 4.283 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 27.42 | 276 | 484588m | 12.261 | ng/ul | |

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

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Acq On : 10 Oct 2017 3:36
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**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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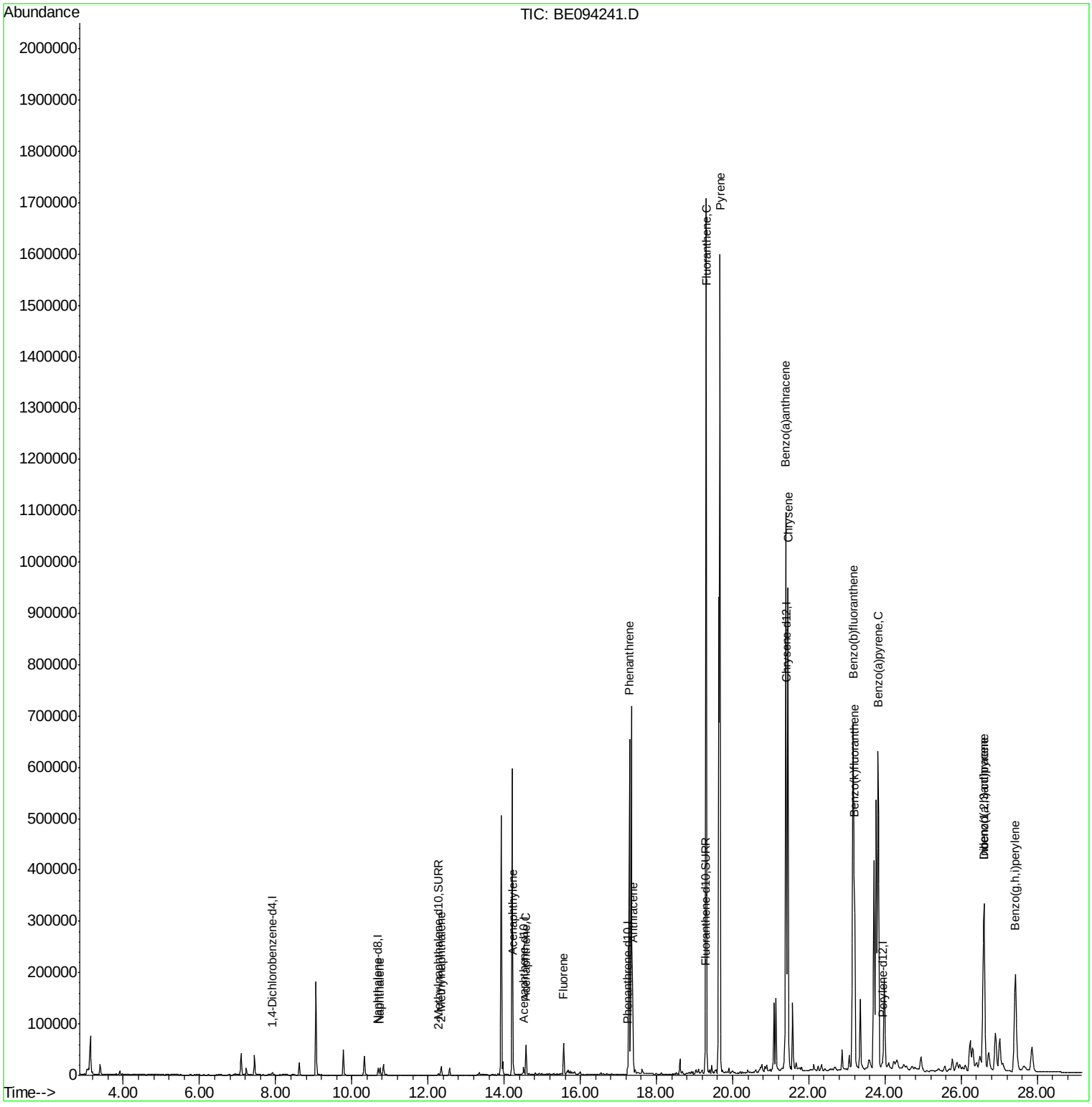

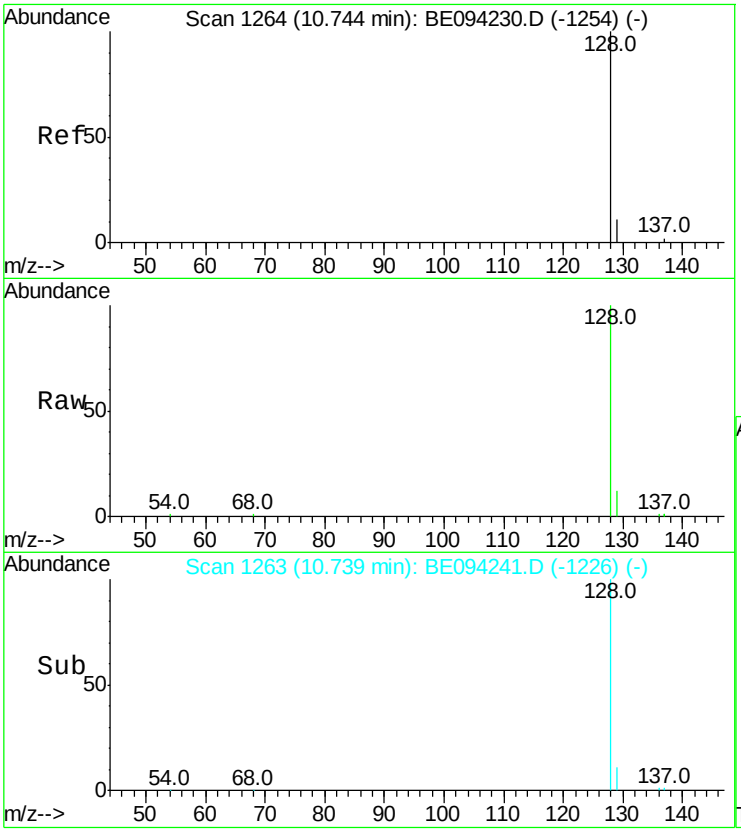


#3
Naphthalene
Concen: 0.618 ng/ul
RT: 10.74 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:128 Resp: 20665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.7 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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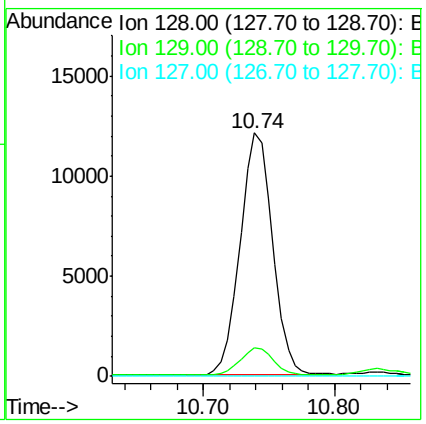
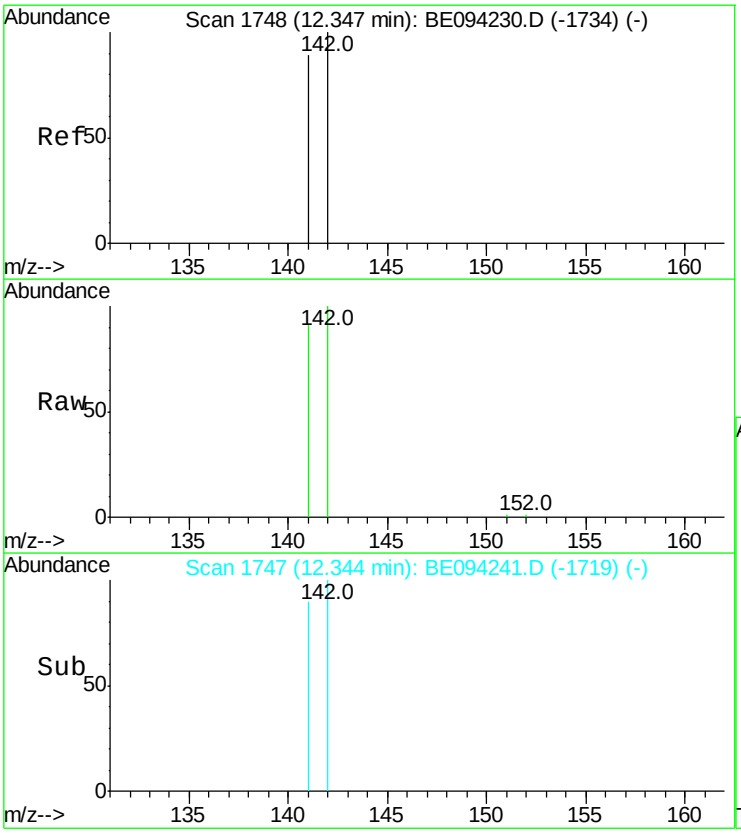
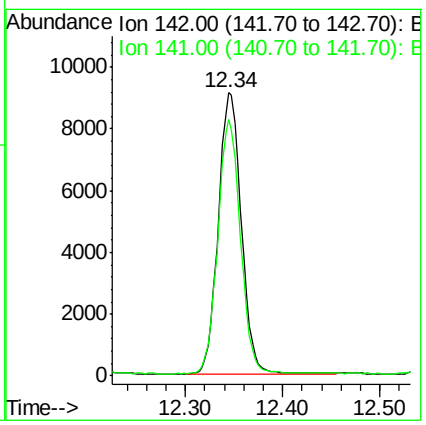


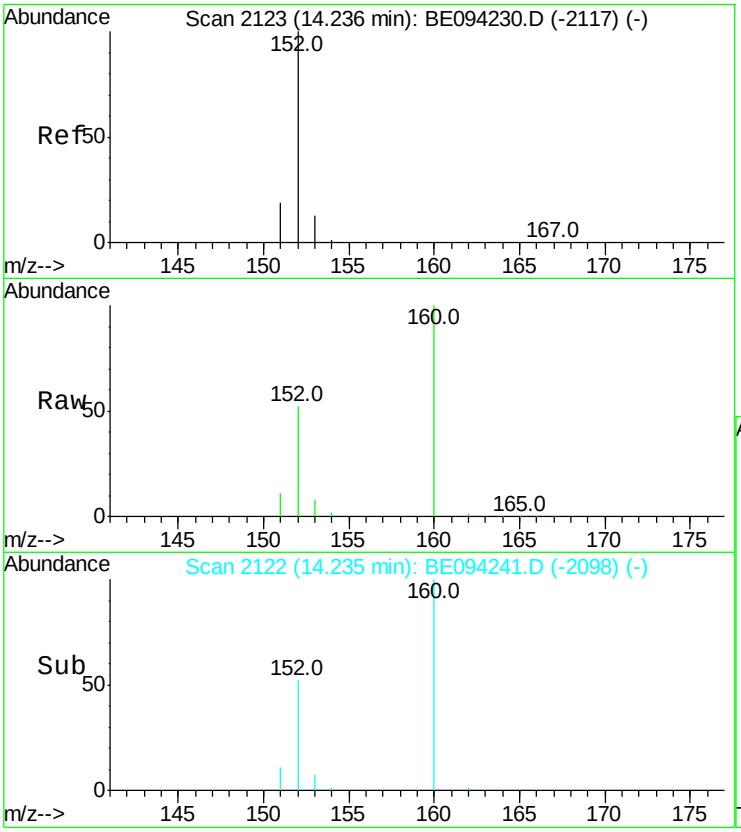




#5
2-Methylnaphthalene
Concen: 0.687 ng/ul
RT: 12.34 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:142 Resp: 14915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.1 | 72.6 | 108.8 |

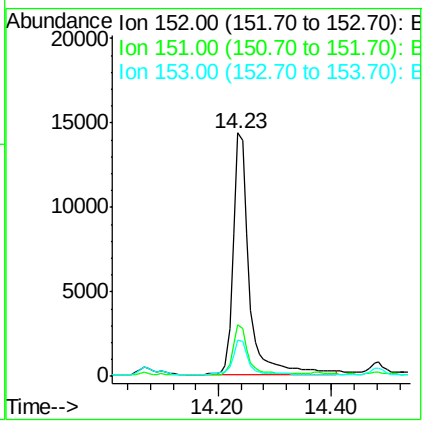





#7
Acenaphthylene
Concen: 0.884 ng/ul
RT: 14.23 min Scan# 2122
Delta R.T. -0.02 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:152 Resp: 27962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.0 | 17.1 | 25.7 |
| 153 | 14.7 | 12.8 | 19.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

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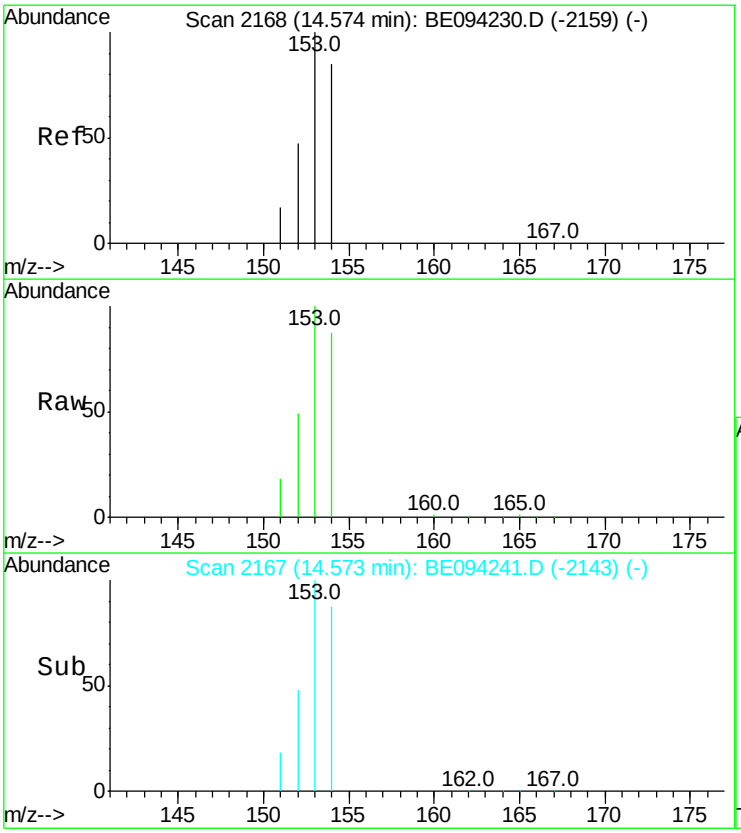
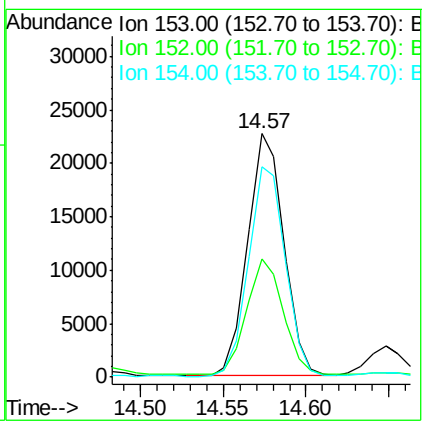
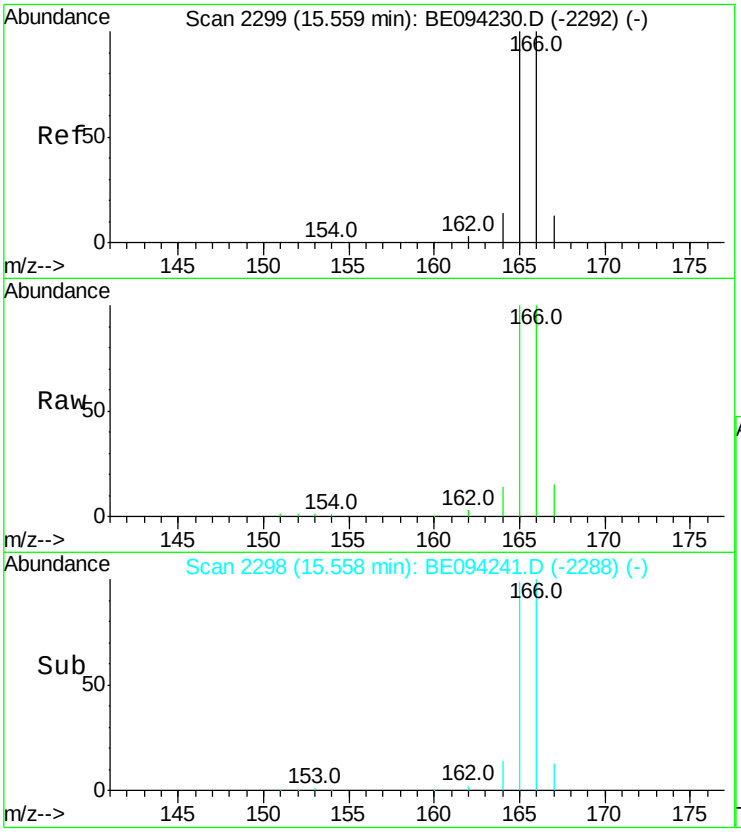



#8
Acenaphthene
Concen: 1.337 ng/ul
RT: 14.57 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:153 Resp: 34799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.7 | 40.3 | 60.5 |
| 154 | 86.5 | 71.4 | 107.2 |

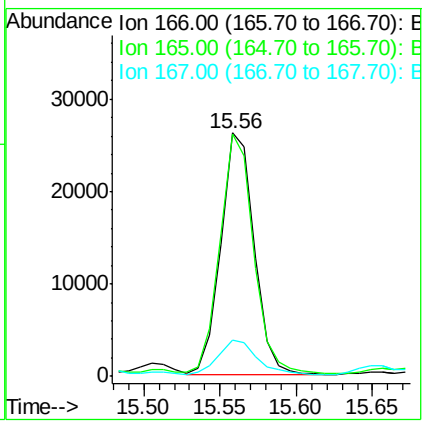





#9
Fluorene
Concen: 1.296 ng/ul
RT: 15.56 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:166 Resp: 39526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.8 | 73.4 | 110.2 |
| 167 | 15.1 | 14.6 | 22.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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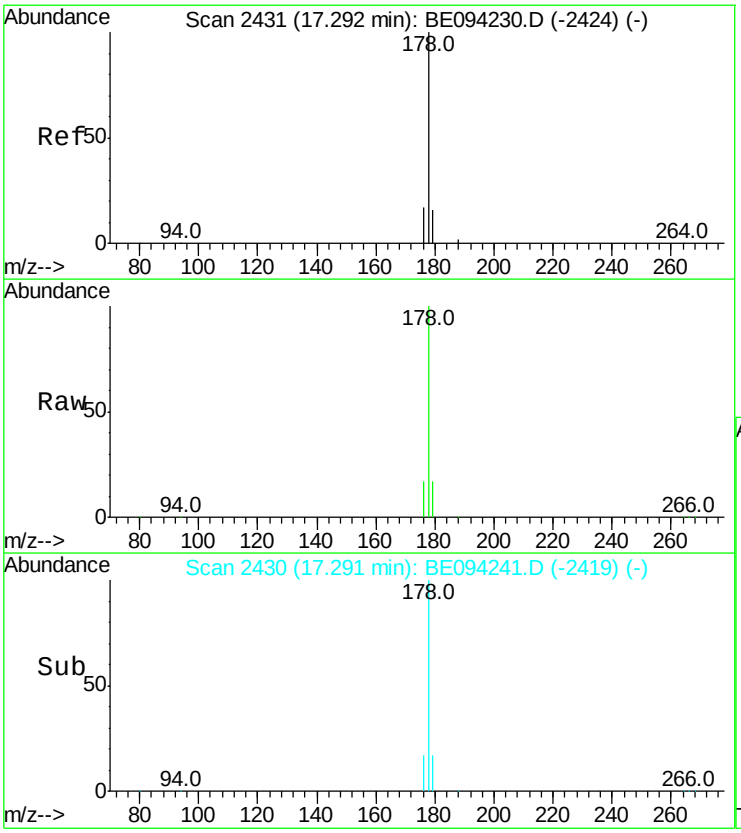
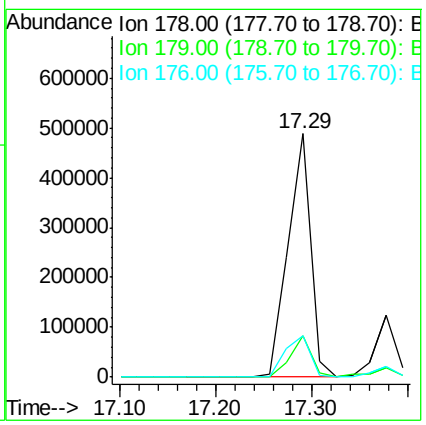
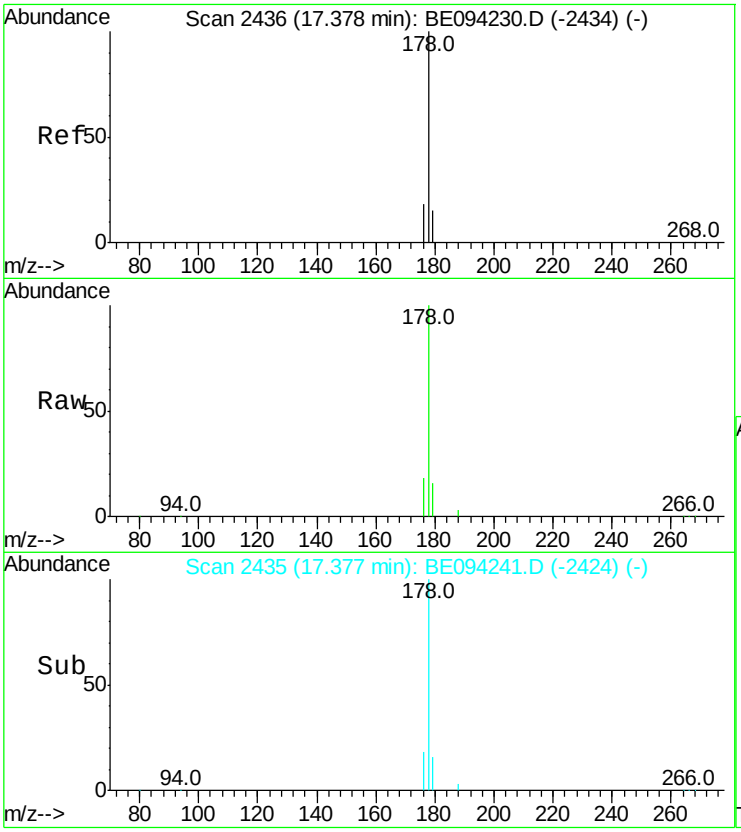



#12
Phenanthrene
Concen: 18.249 ng/ul
RT: 17.29 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:178 Resp: 795337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.8 | 18.4 | 27.6# |
| 176 | 16.9 | 13.6 | 20.4 |






#13
Anthracene
Concen: 4.316 ng/ul
RT: 17.38 min Scan# 2435
Delta R.T. -0.02 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:178 Resp: 182953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 18.1 | 27.1# |
| 176 | 18.0 | 14.7 | 22.1 |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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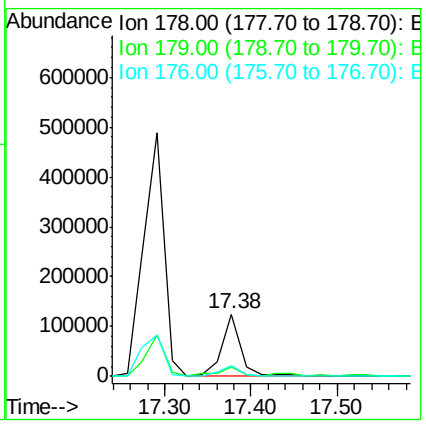
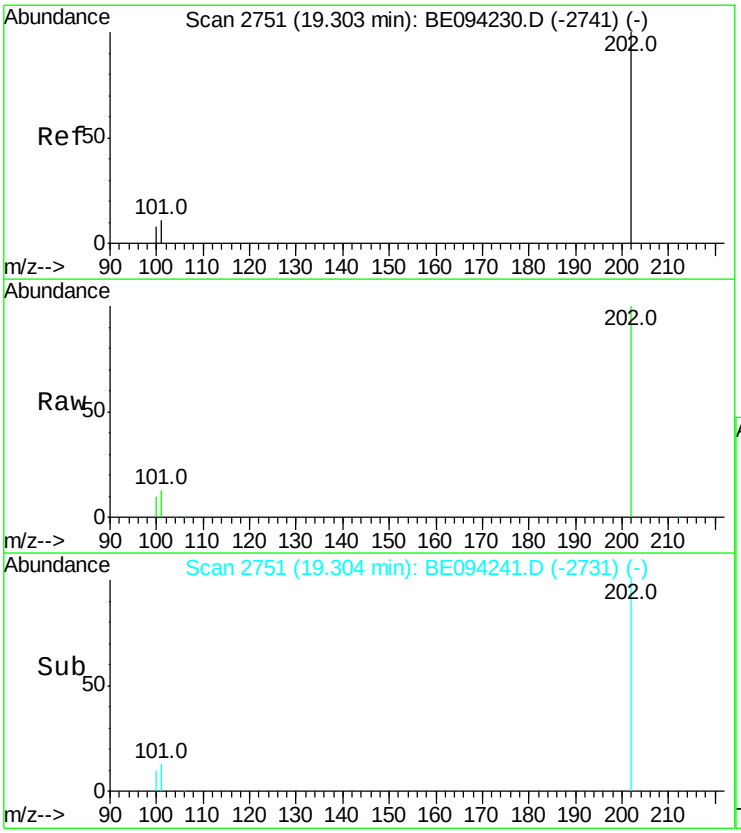
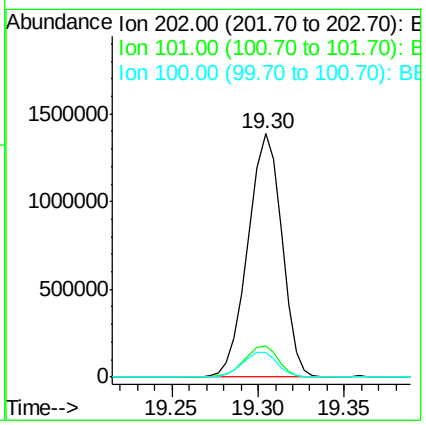


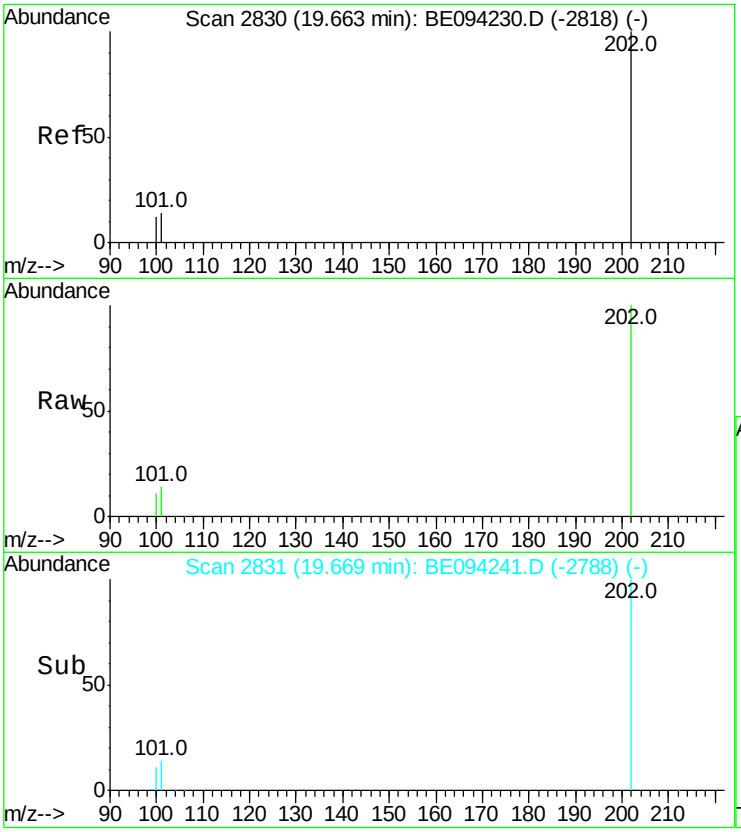




#15
Fluoranthene
Concen: 32.995 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. -0.01 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:202 Resp: 1889521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 0.0 | 30.3 |
| 100 | 10.2 | 0.0 | 39.5 |

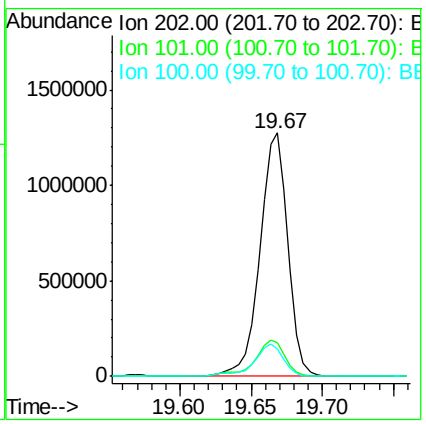





#17
Pyrene
Concen: 39.750 ng/ul
RT: 19.67 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:202 Resp: 1739366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 18.2 | 27.4# |
| 100 | 11.4 | 15.6 | 23.4# |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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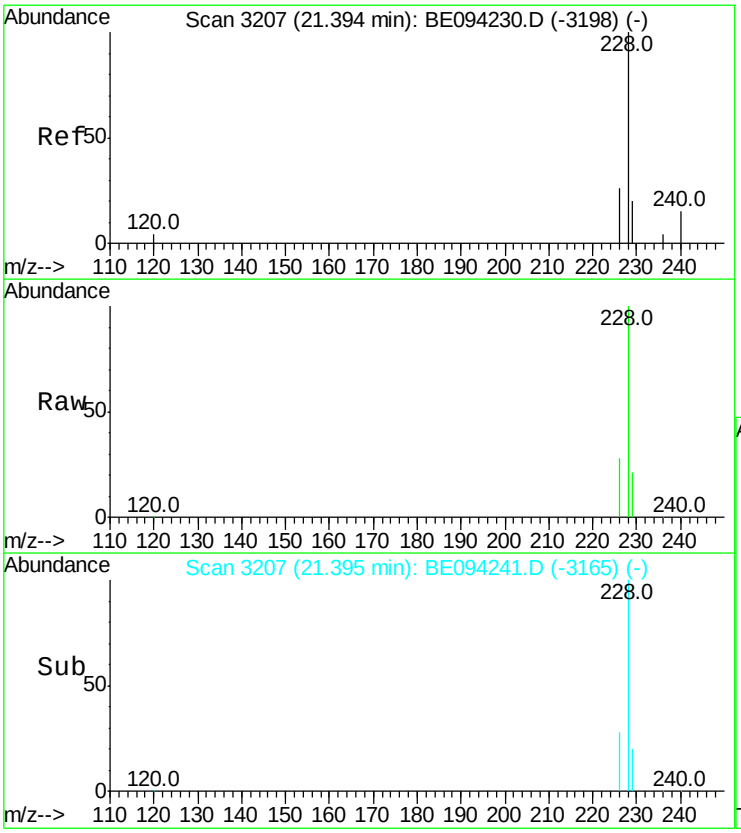
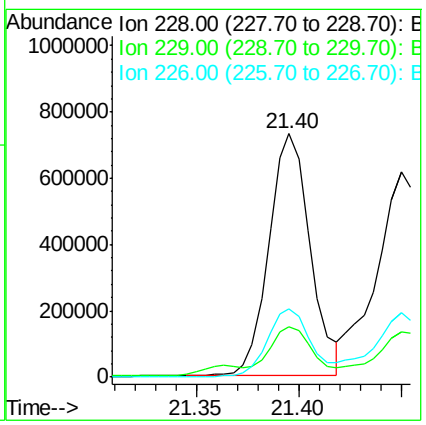
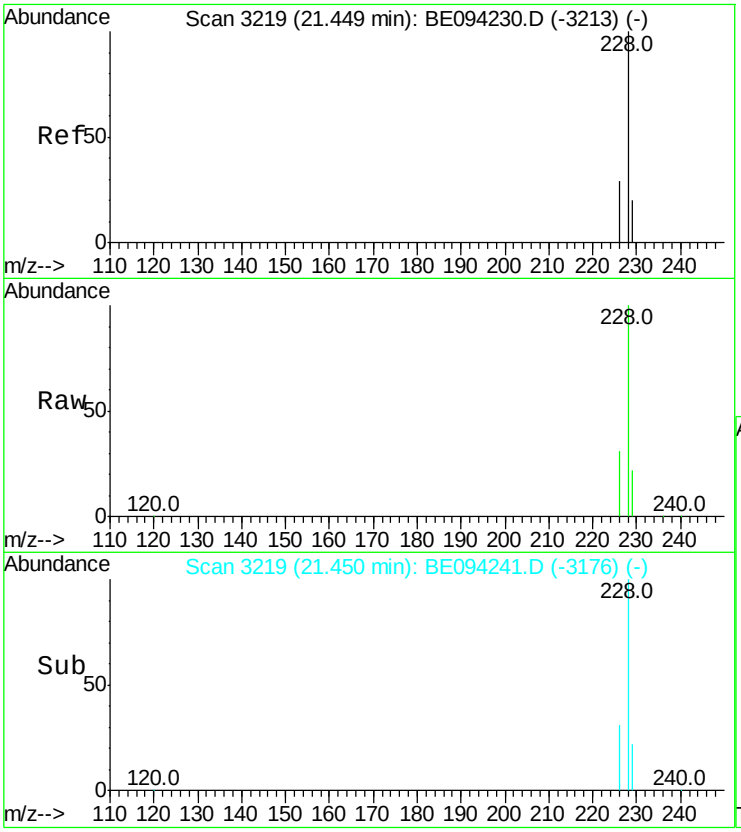



#18
Benzo(a)anthracene
Concen: 24.504 ng/ul
RT: 21.40 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:228 Resp: 1022342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.8 | 22.8 | 34.2# |
| 226 | 27.8 | 17.0 | 25.6# |

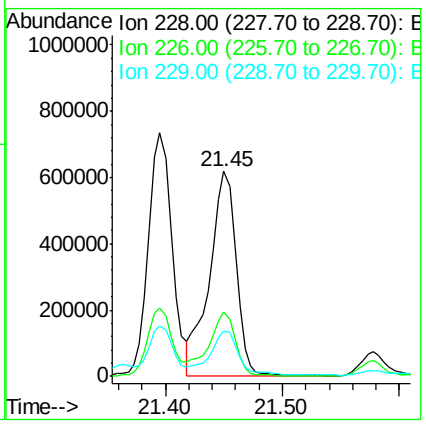





#19
Chrysene
Concen: 20.262 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:228 Resp: 976270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 23.4 | 35.0 |
| 229 | 22.1 | 17.7 | 26.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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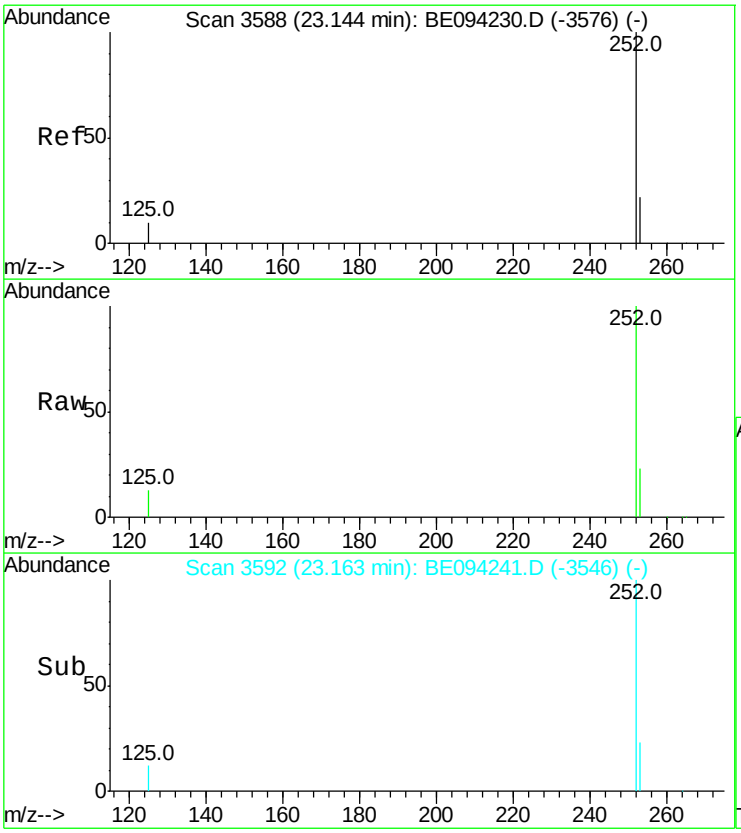
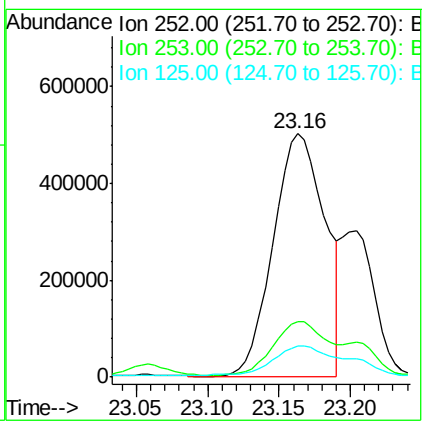
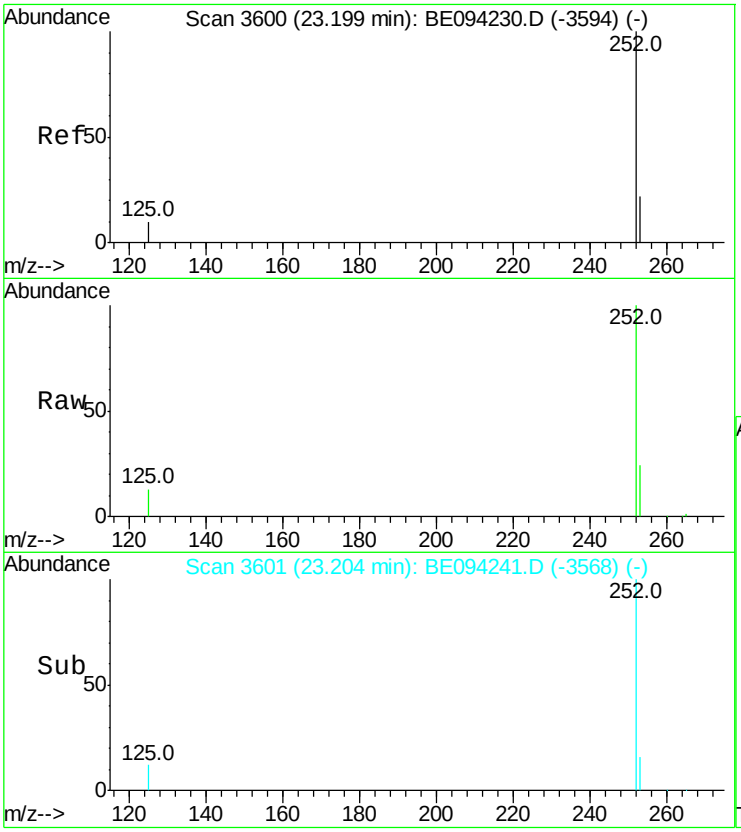



#21
Benzo(b)fluoranthene
Concen: 29.867 ng/ul m
RT: 23.16 min Scan# 3592
Delta R.T. 0.01 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:252 Resp: 1287429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 0.0 | 64.2 |
| 125 | 12.7 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 9.855 ng/ul m
RT: 23.20 min Scan# 3601
Delta R.T. 0.00 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:252 Resp: 491024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 24.5 | 36.7# |
| 125 | 12.5 | 13.7 | 20.5# |

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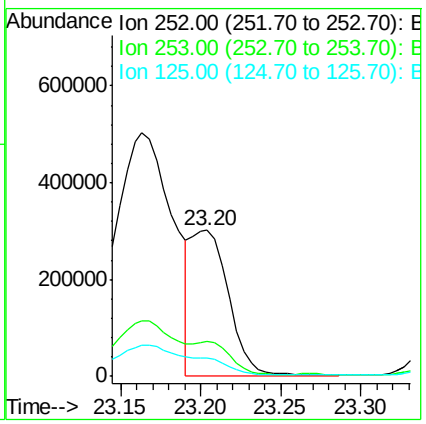
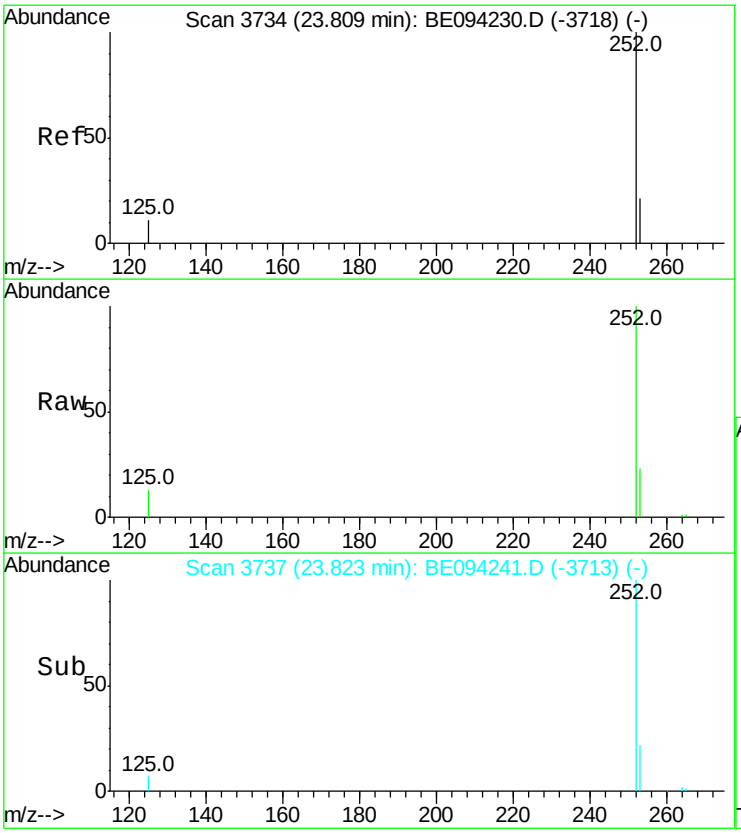
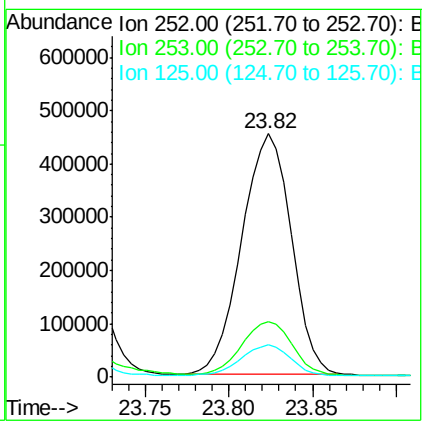


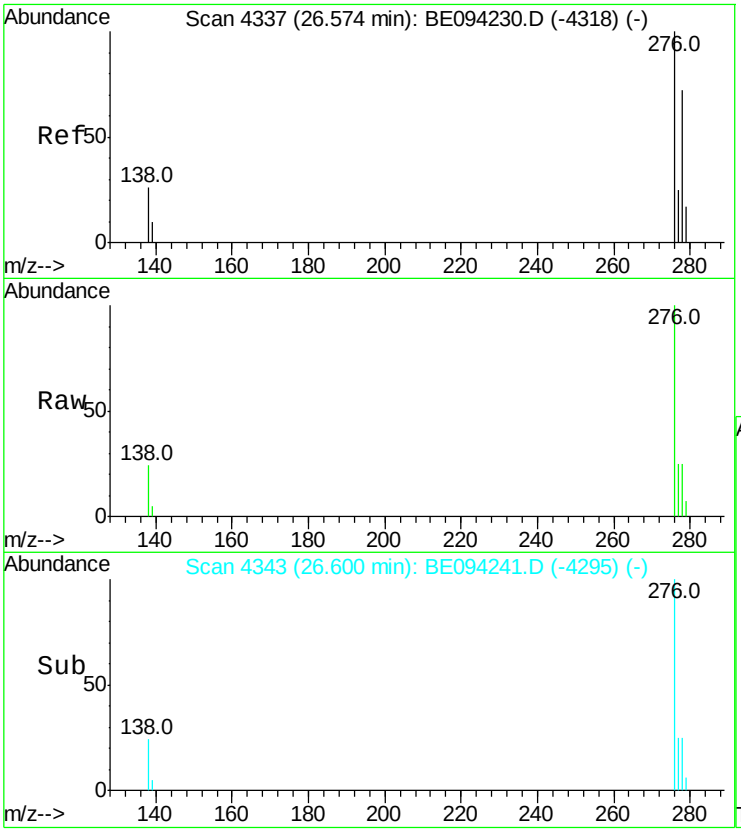




#23
Benzo(a)pyrene
Concen: 20.789 ng/ul m
RT: 23.82 min Scan# 3737
Delta R.T. 0.01 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:252 Resp: 931203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 28.5 | 42.7# |
| 125 | 13.2 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 13.336 ng/ul m
RT: 26.60 min Scan# 4343
Delta R.T. 0.02 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:276 Resp: 611068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 0.7 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
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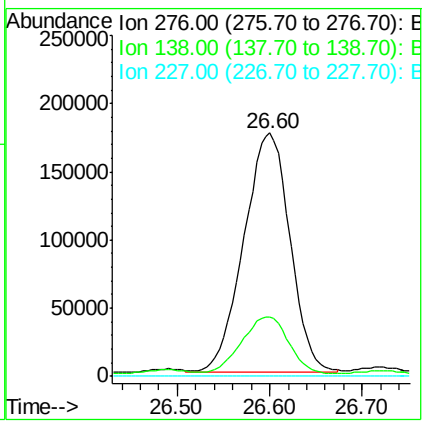
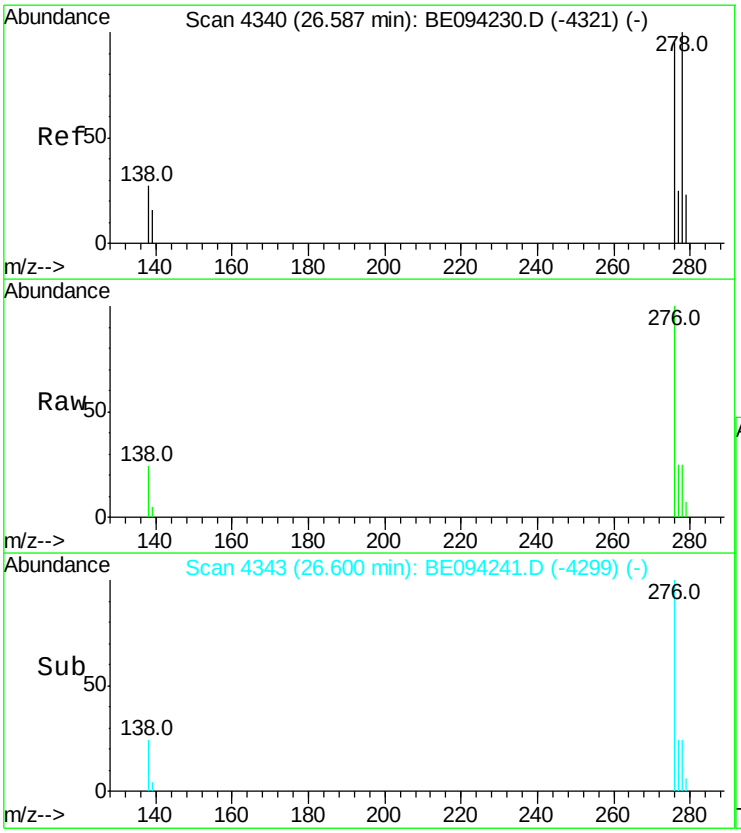
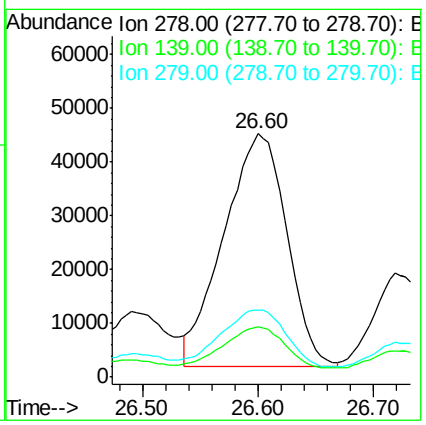


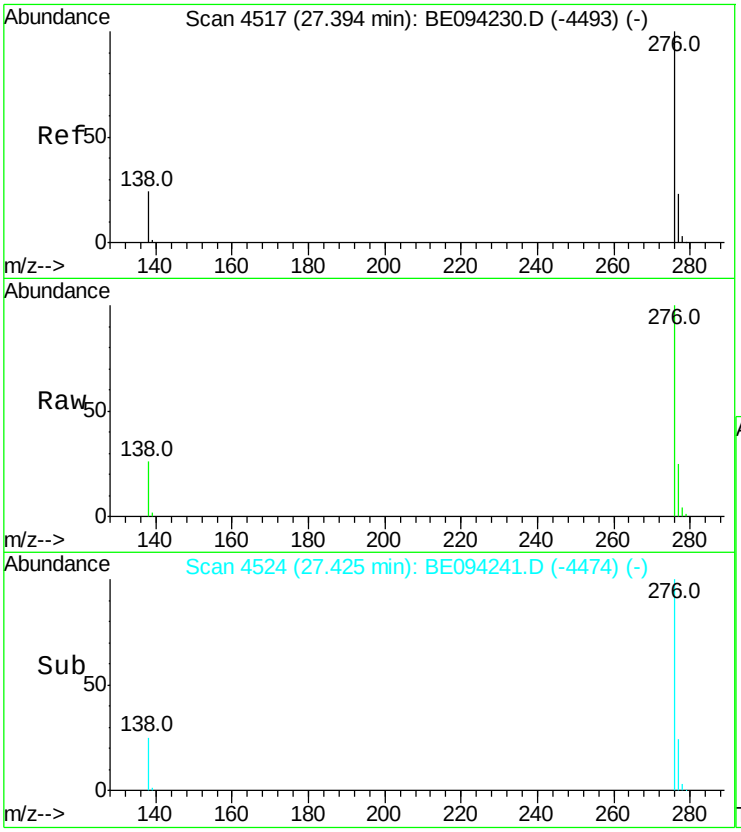




#25
Dibenzo(a,h)anthracene
Concen: 4.283 ng/ul m
RT: 26.60 min Scan# 4343
Delta R.T. -0.00 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:278 Resp: 164625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.8 | 17.4 | 26.0 |
| 279 | 27.7 | 25.9 | 38.9 |

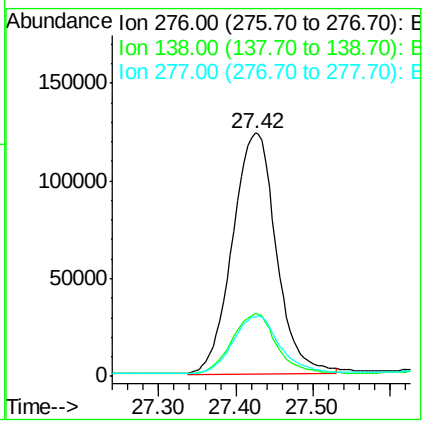





#26
Benzo(g,h,i)perylene
Concen: 12.261 ng/ul m
RT: 27.42 min Scan# 4524
Delta R.T. 0.03 min
Lab File: BE094241.D
Acq: 10 Oct 2017 3:36

Tgt Ion:276 Resp: 484588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.8 | 21.8 | 32.8 |
| 277 | 24.5 | 20.5 | 30.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AC5

**Manual Integrations APPROVED**
Sohil
10/10/2017 4:57:33 PM