Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
Data File : BE095307.D
Acq On : 31 Jan 2018 9:00
Operator : SJ/JU
Sample : J1233-12DL 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
Sohil
1/31/2018 8:28:54 PM

Quant Time: Jan 31 10:00:54 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 08:16:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.44 | 152 | 2991 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.26 | 136 | 9651 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.02 | 164 | 6241 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.71 | 188 | 12630 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.80 | 240 | 13216 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 24.44 | 264 | 12582 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.81 | 152 | 260 | 0.02 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.69 | 212 | 646 | 0.01 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.31 | 128 | 38718 | 1.433 | ng/ul# | 88 |
| 5) 2-Methylnaphthalene | 12.89 | 142 | 39620 | 2.196 | ng/ul | 100 |
| 7) Acenaphthylene | 14.74 | 152 | 897 | 0.030 | ng/ul# | 41 |
| 8) Acenaphthene | 15.08 | 153 | 19301 | 0.829 | ng/ul | 94 |
| 9) Fluorene | 16.03 | 166 | 26514 | 1.104 | ng/ul# | 80 |
| 11) Pentachlorophenol | 17.36 | 266 | 217 | 0.089 | ng/ul | 92 |
| 12) Phenanthrene | 17.75 | 178 | 162947 | 3.836 | ng/ul# | 88 |
| 13) Anthracene | 17.85 | 178 | 24473 | 0.629 | ng/ul# | 92 |
| 15) Fluoranthene | 19.72 | 202 | 102498 | 1.864 | ng/ul | 84 |
| 17) Pyrene | 20.08 | 202 | 79579 | 1.794 | ng/ul# | 77 |
| 18) Benzo(a)anthracene | 21.79 | 228 | 19237 | 0.466 | ng/ul# | 86 |
| 19) Chrysene | 21.84 | 228 | 11940 | 0.278 | ng/ul | 96 |
| 21) Benzo(b)fluoranthene | 23.62 | 252 | 7645m | 0.172 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.67 | 252 | 3148m | 0.078 | ng/ul | |
| 23) Benzo(a)pyrene | 24.32 | 252 | 4577 | 0.115 | ng/ul | 89 |
| 24) Indeno(1,2,3-cd)pyrene | 27.23 | 276 | 1419 | 0.033 | ng/ul# | 74 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE013018\
Data File : BE095307.D
Acq On : 31 Jan 2018 9:00
Operator : SJ/JU
Sample : J1233-12DL 10X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jan 31 10:00:54 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE012618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 08:16:13 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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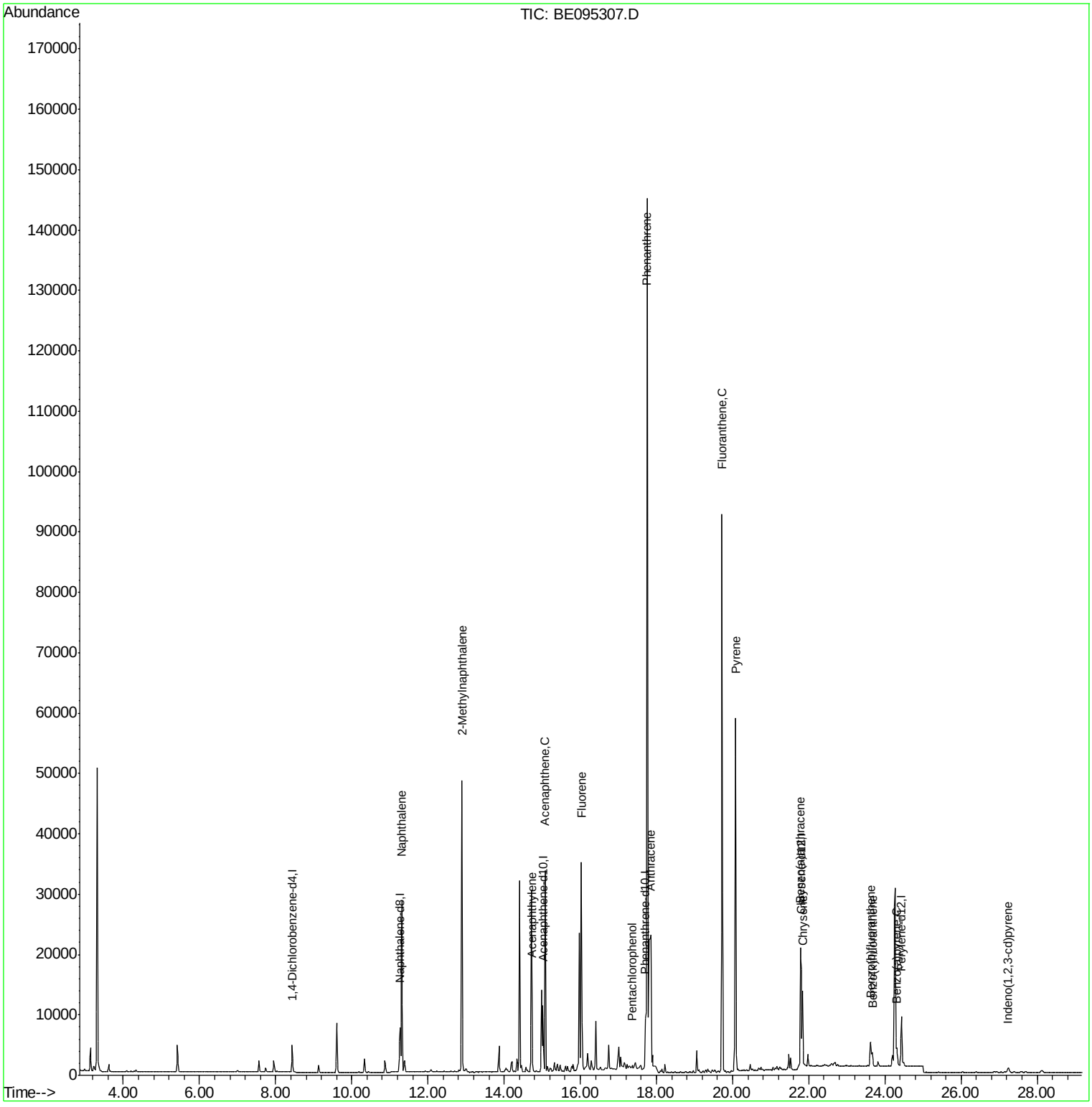

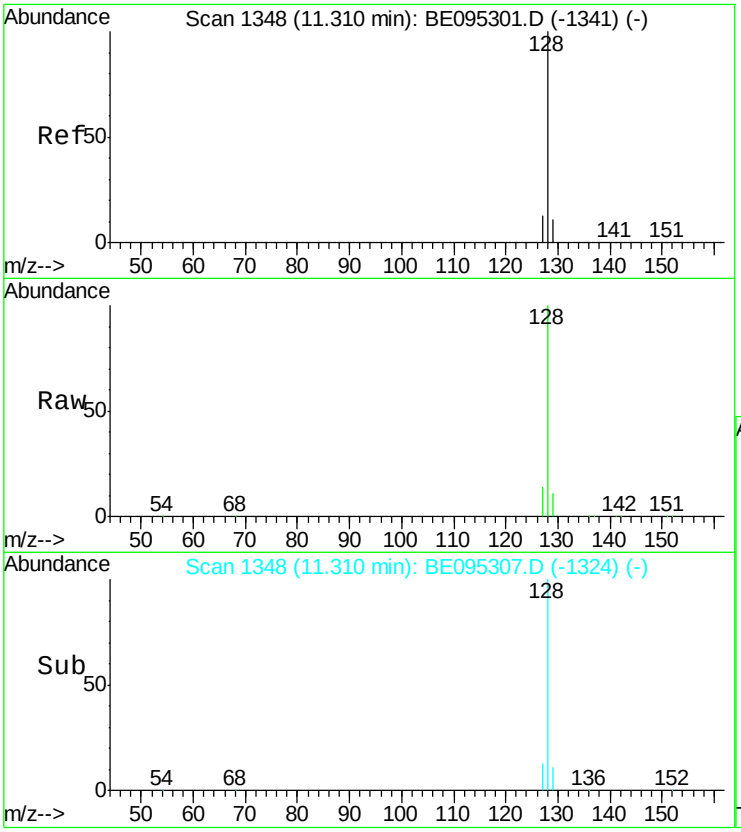


#3
Naphthalene
Concen: 1.433 ng/ul
RT: 11.31 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:128 Resp: 38718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 11.3 | 16.9# |
| 127 | 13.6 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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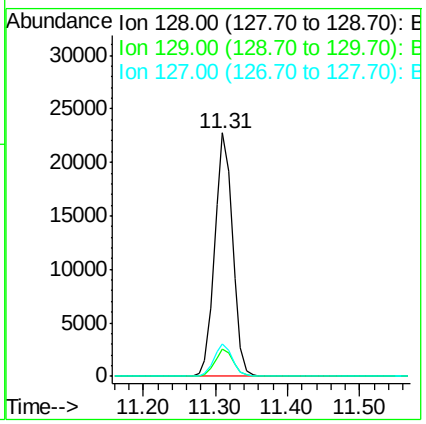
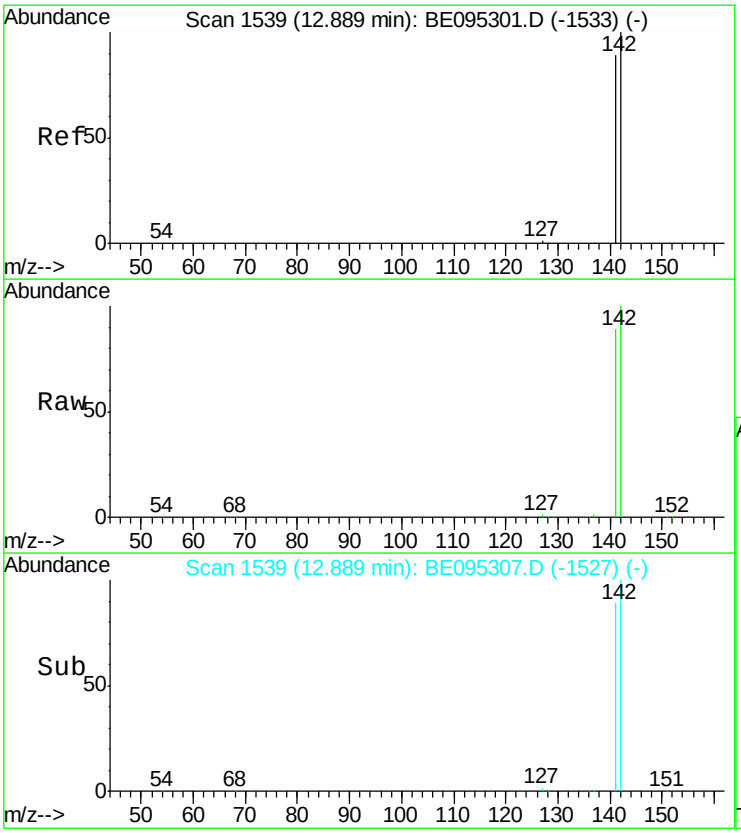
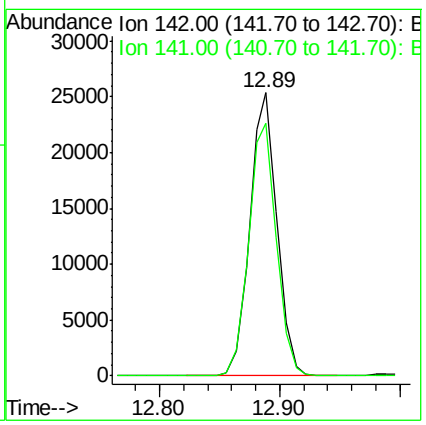


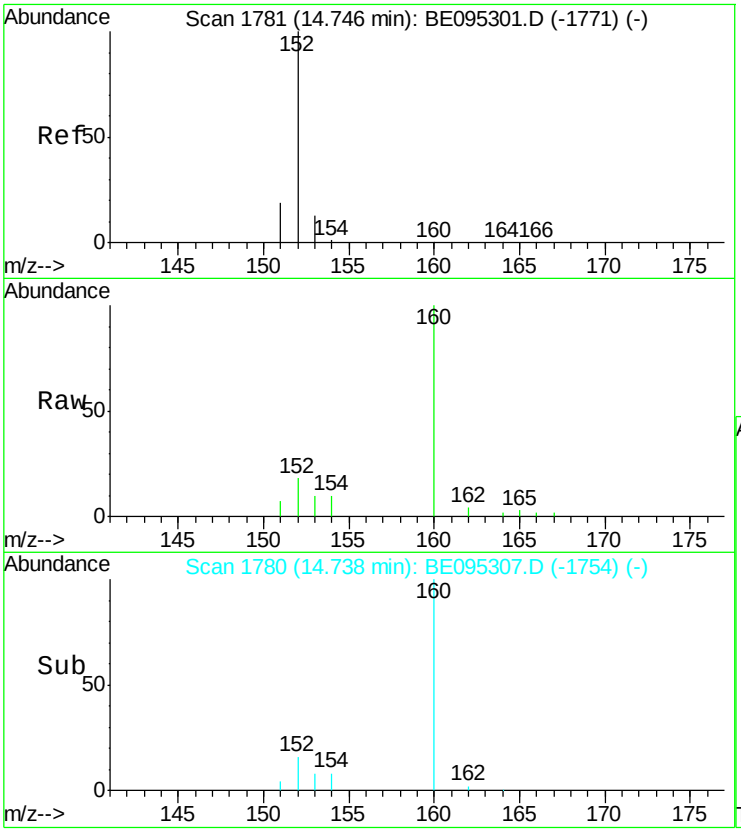




#5
2-Methylnaphthalene
Concen: 2.196 ng/ul
RT: 12.89 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:142 Resp: 39620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 72.6 | 108.8 |

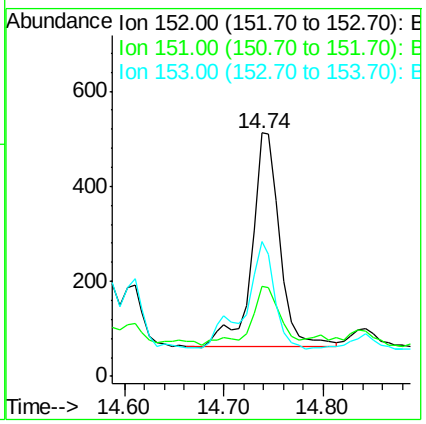





#7
Acenaphthylene
Concen: 0.030 ng/ul
RT: 14.74 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:152 Resp: 897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 37.1 | 17.1 | 25.7# |
| 153 | 55.3 | 12.8 | 19.2# |




**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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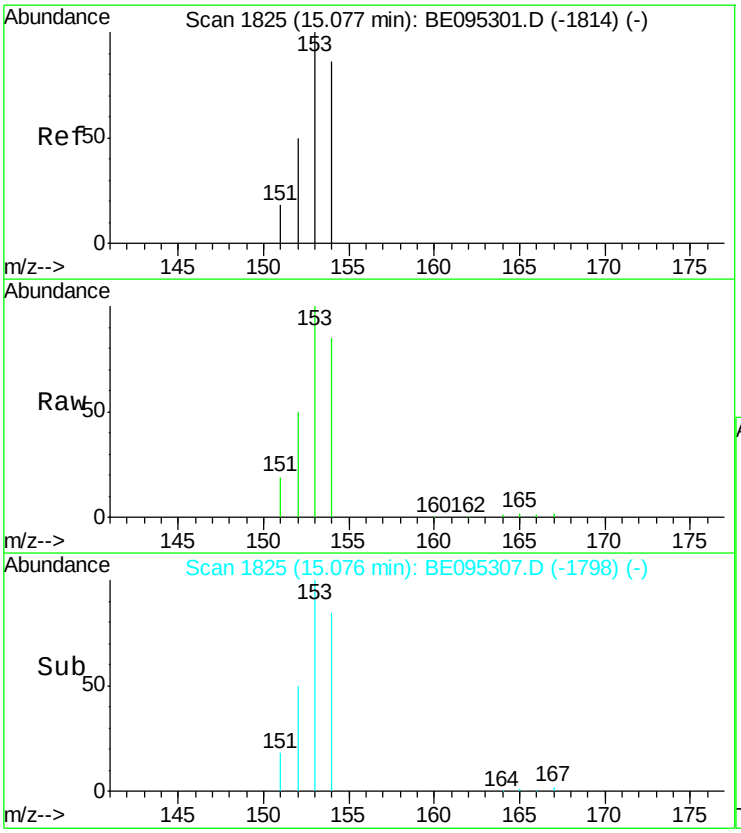
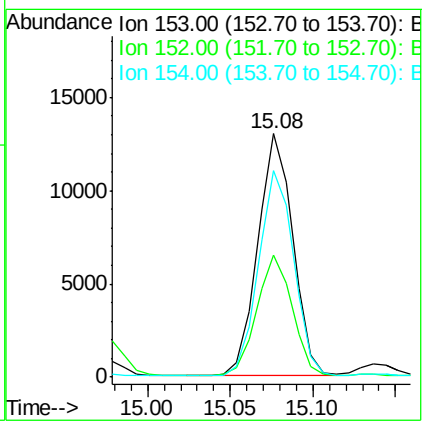
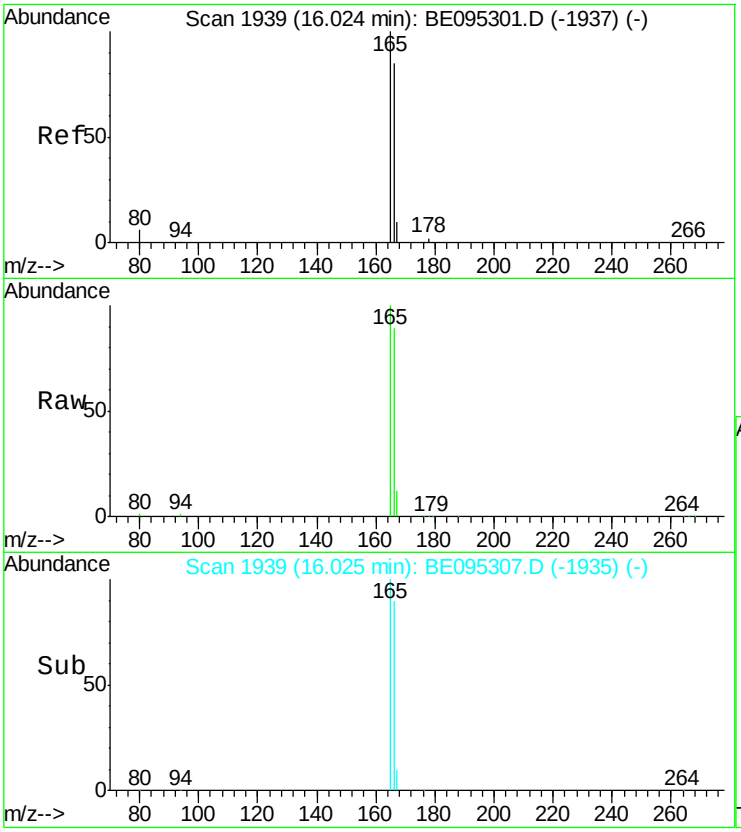



#8
Acenaphthene
Concen: 0.829 ng/ul
RT: 15.08 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:153 Resp: 19301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.1 | 36.0 | 54.0 |
| 154 | 84.6 | 72.0 | 108.0 |






#9
Fluorene
Concen: 1.104 ng/ul
RT: 16.03 min Scan# 1939
Delta R.T. 0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:166 Resp: 26514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 112.4 | 73.4 | 110.2# |
| 167 | 13.0 | 14.6 | 22.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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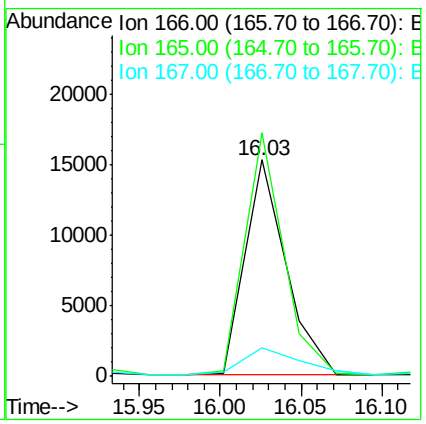
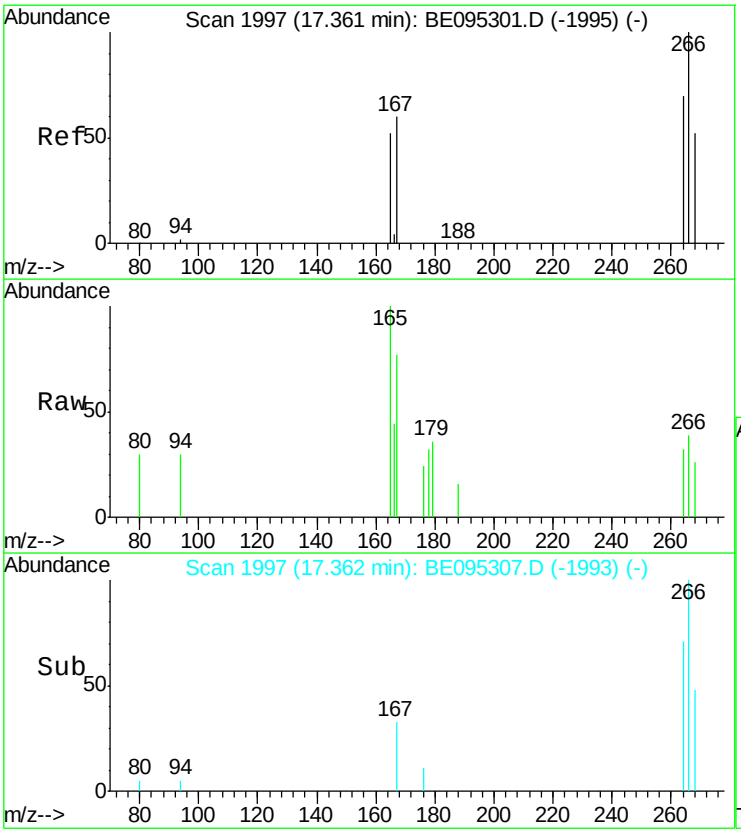
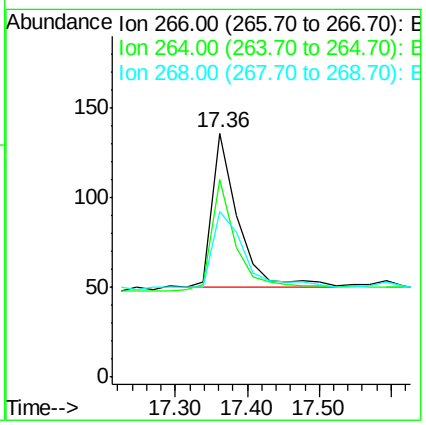


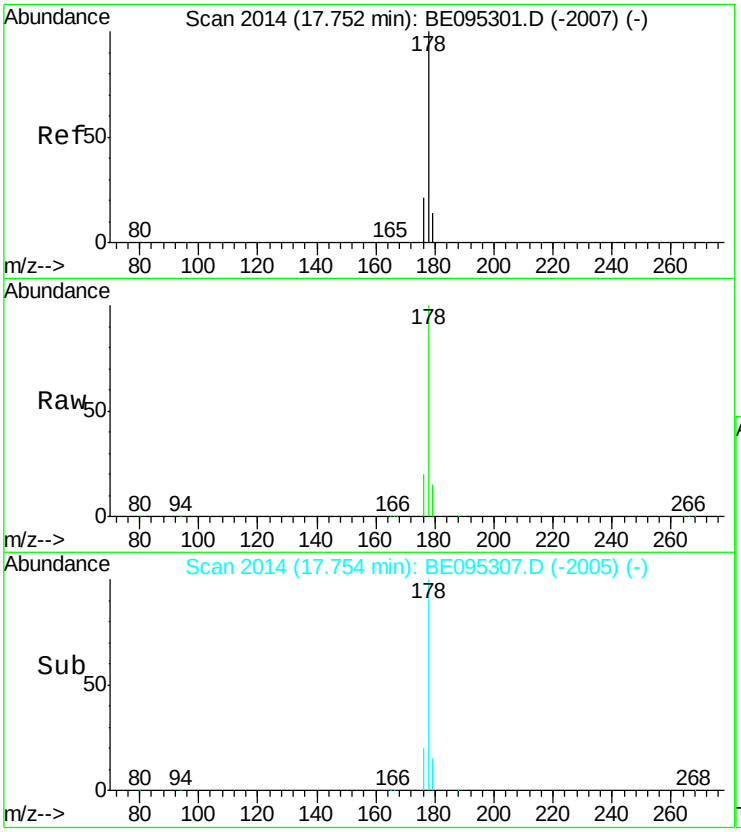




#11
Pentachlorophenol
Concen: 0.089 ng/ul
RT: 17.36 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:266 Resp: 217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 69.6 | 47.9 | 71.9 |
| 268 | 59.4 | 49.8 | 74.8 |






#12
Phenanthrene
Concen: 3.836 ng/ul
RT: 17.75 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:178 Resp: 162947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.9 | 18.4 | 27.6# |
| 176 | 19.7 | 13.6 | 20.4 |

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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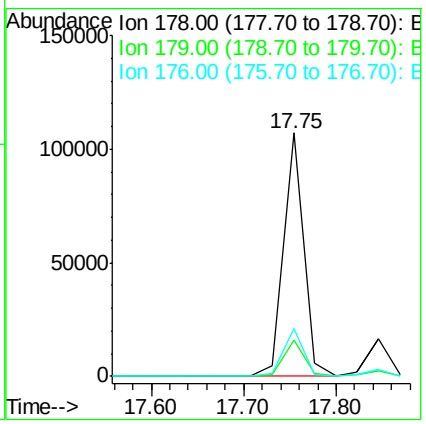
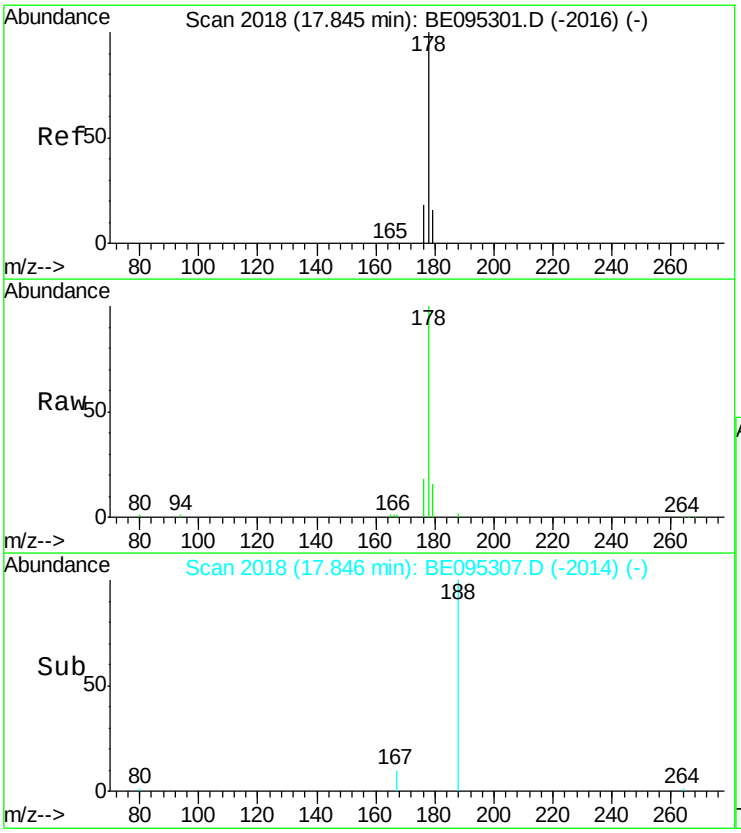
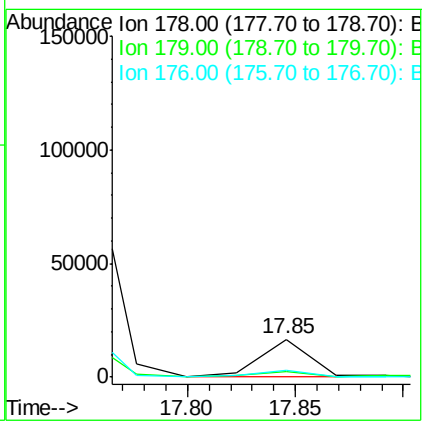


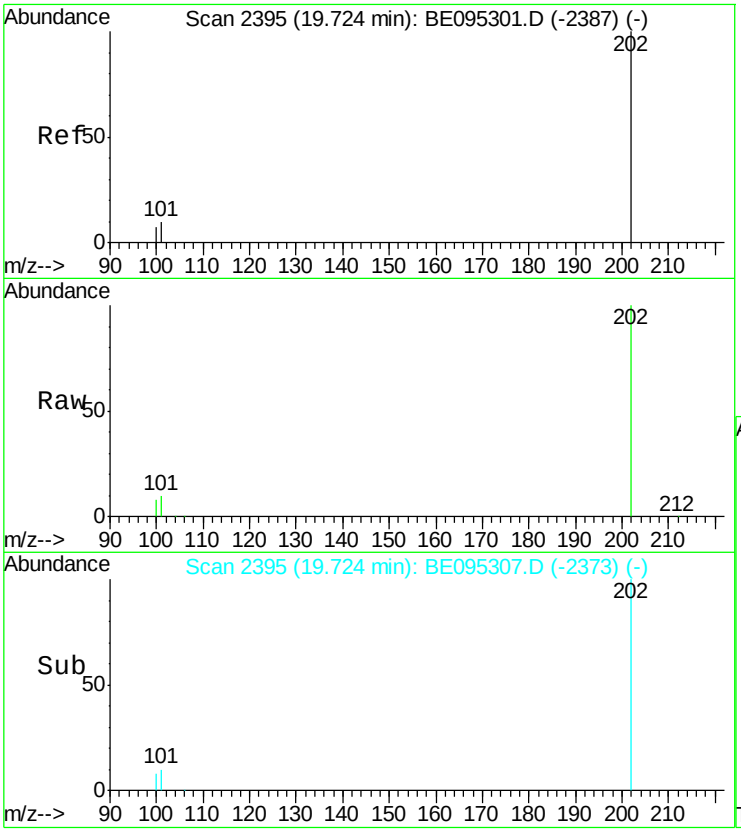




#13
Anthracene
Concen: 0.629 ng/ul
RT: 17.85 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:178 Resp: 24473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 18.1 | 27.1# |
| 176 | 18.0 | 14.7 | 22.1 |






#15
Fluoranthene
Concen: 1.864 ng/ul
RT: 19.72 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:202 Resp: 102498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.2 | 0.0 | 30.3 |
| 100 | 8.4 | 0.0 | 39.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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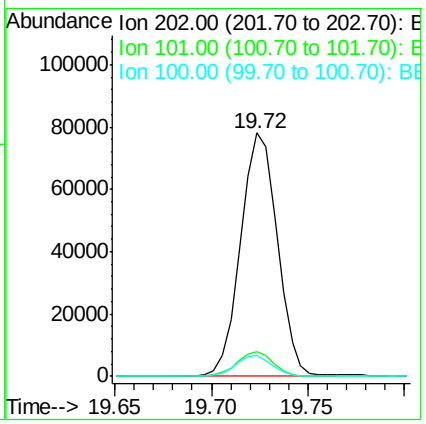
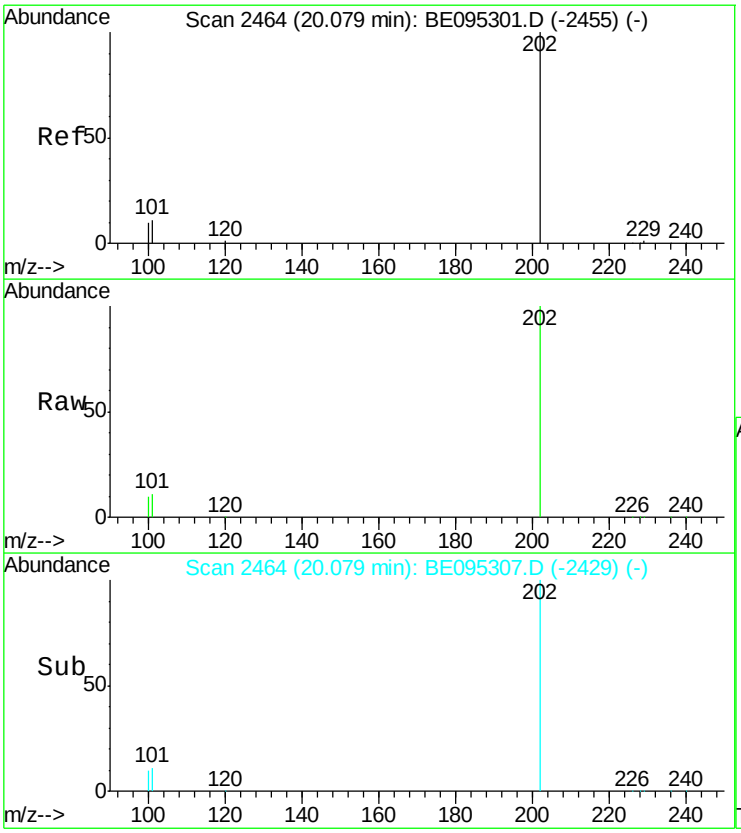
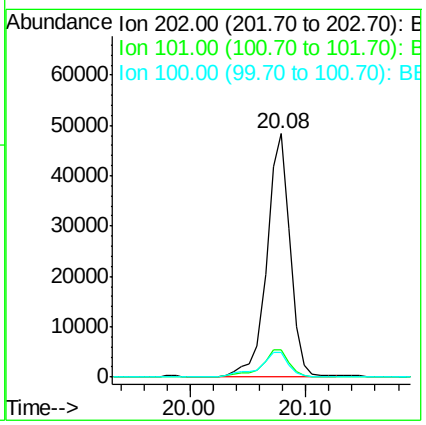


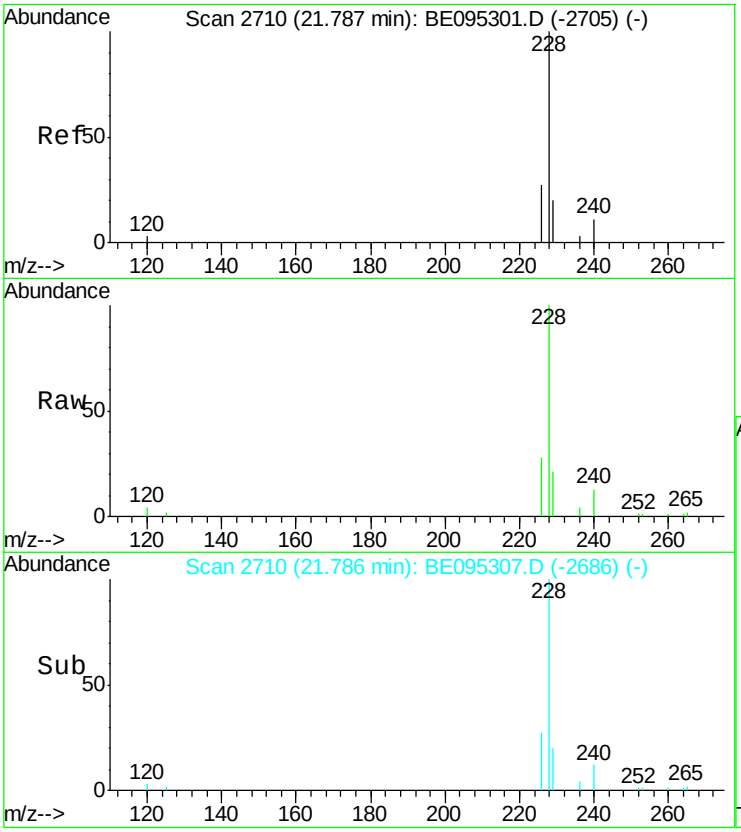




#17
Pyrene
Concen: 1.794 ng/ul
RT: 20.08 min Scan# 2464
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:202 Resp: 79579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.3 | 18.2 | 27.4# |
| 100 | 10.0 | 15.6 | 23.4# |






#18
Benzo(a)anthracene
Concen: 0.466 ng/ul
RT: 21.79 min Scan# 2710
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:228 Resp: 19237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.3 | 22.8 | 34.2# |
| 226 | 27.7 | 17.0 | 25.6# |

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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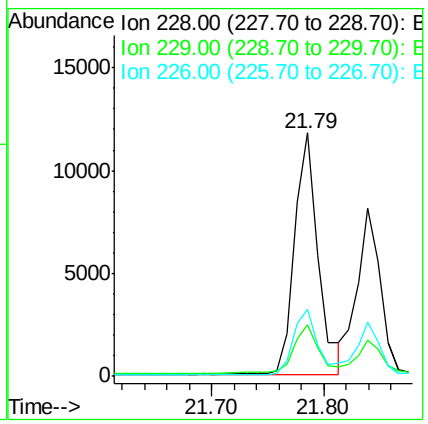
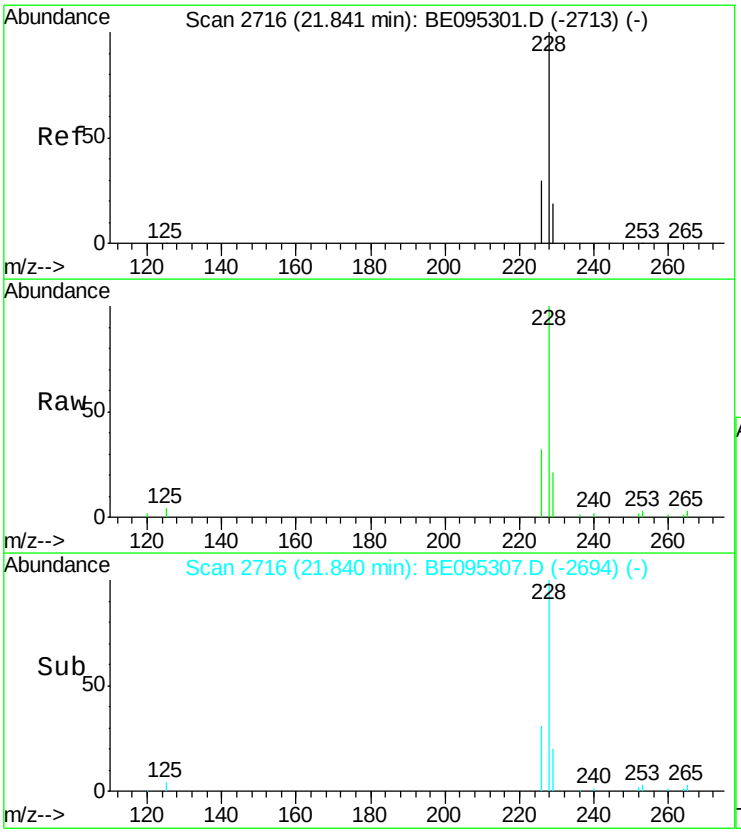
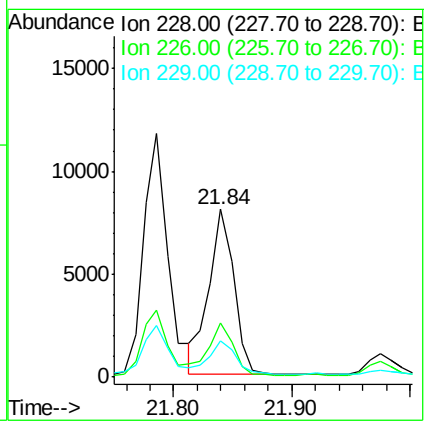


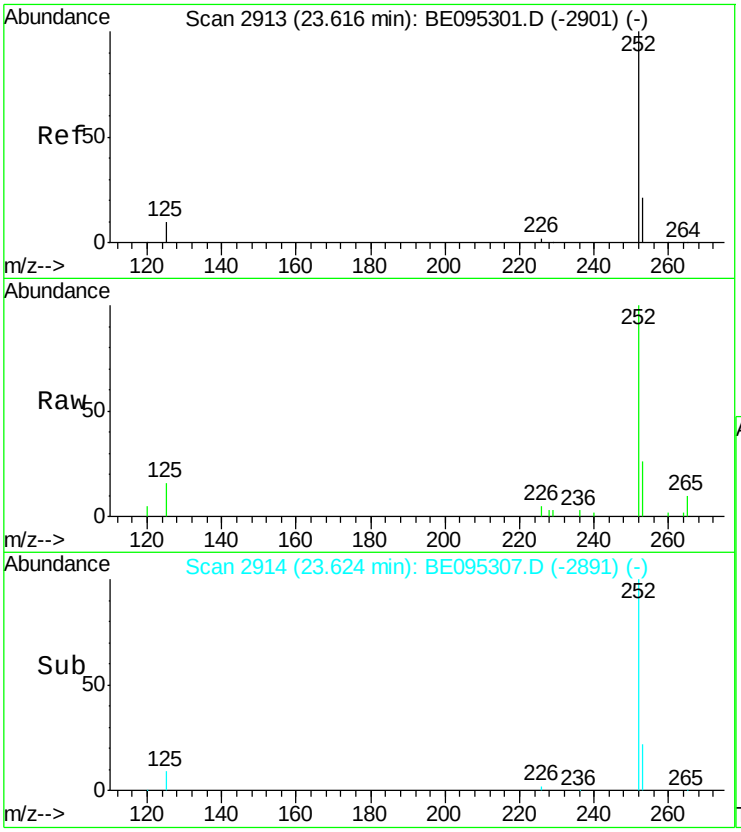




#19
Chrysene
Concen: 0.278 ng/ul
RT: 21.84 min Scan# 2716
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:228 Resp: 11940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.1 | 23.4 | 35.0 |
| 229 | 21.2 | 17.7 | 26.5 |






#21
Benzo(b)fluoranthene
Concen: 0.172 ng/ul m
RT: 23.62 min Scan# 2914
Delta R.T. 0.01 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:252 Resp: 7645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.3 | 0.0 | 64.2 |
| 125 | 15.9 | 0.0 | 35.0 |

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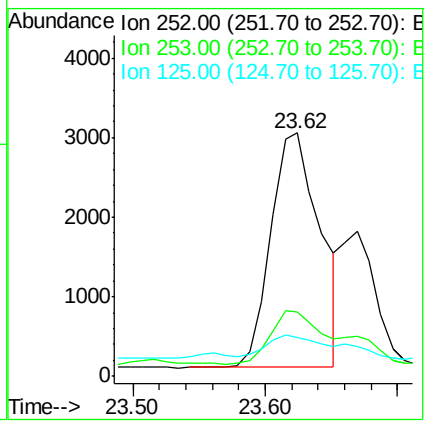
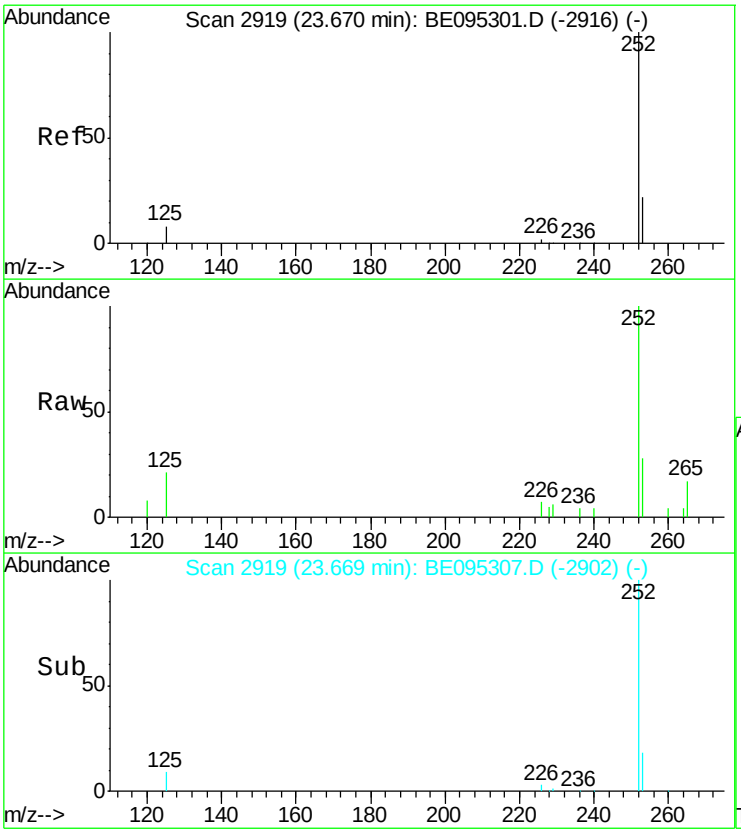
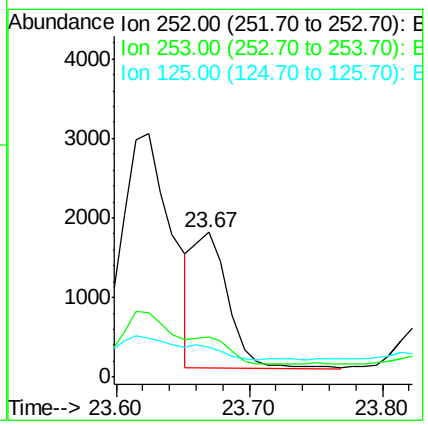


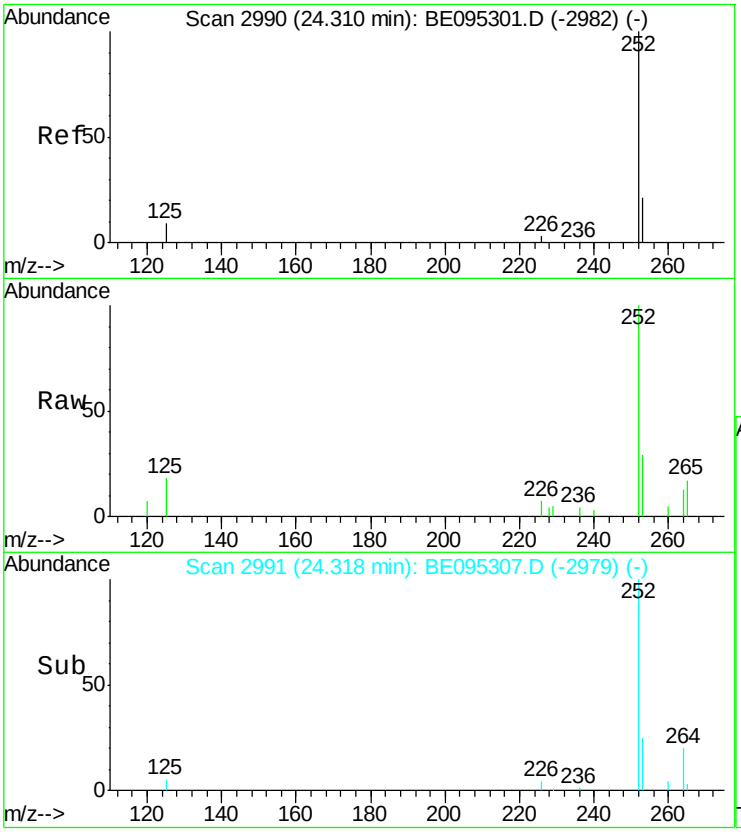




#22
Benzo(k)fluoranthene
Concen: 0.078 ng/ul m
RT: 23.67 min Scan# 2919
Delta R.T. -0.00 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:252 Resp: 3148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.0 | 24.5 | 36.7 |
| 125 | 20.8 | 13.7 | 20.5# |






#23
Benzo(a)pyrene
Concen: 0.115 ng/ul
RT: 24.32 min Scan# 2991
Delta R.T. 0.01 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:252 Resp: 4577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.7 | 28.5 | 42.7 |
| 125 | 18.3 | 18.1 | 27.1 |

**Instrument :**
BNA_E
**ClientSampleId :**
F6B16DL

**Manual Integrations APPROVED**
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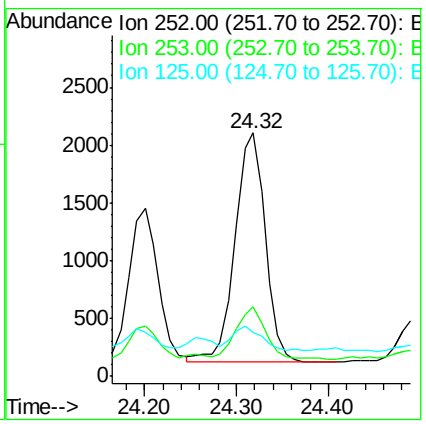


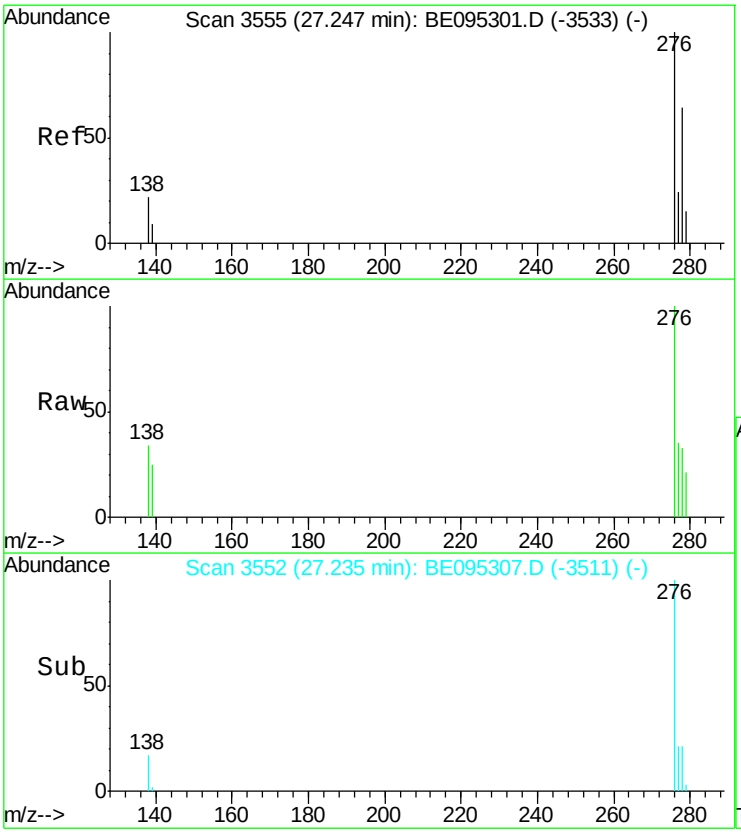


#24
Indeno(1,2,3-cd)pyrene
Concen: 0.033 ng/ul
RT: 27.23 min Scan# 3552
Delta R.T. -0.01 min
Lab File: BE095307.D
Acq: 31 Jan 2018 9:00

Tgt Ion:276 Resp: 1419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.4 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |