Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072417\
Data File : BE093571.D
Acq On : 25 Jul 2017 11:15
Operator : SJ/JU
Sample : I4209-11
Misc :
ALS Vial : 42 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0B14

**Manual Integrations APPROVED**
Sohil
7/25/2017 5:34:19 PM

Quant Time: Jul 25 13:06:49 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 06:10:24 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 2302 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.71 | 136 | 12290 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.53 | 164 | 8416 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.26 | 188 | 21487m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.41 | 240 | 23610 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.91 | 264 | 19295m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.29 | 152 | 6201 | 0.31 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.28 | 212 | 21016 | 0.31 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.76 | 128 | 2299 | 0.077 | ng/ul# | 94 |
| 12) Phenanthrene | 17.29 | 178 | 1903 | 0.033 | ng/ul# | 91 |
| 15) Fluoranthene | 19.31 | 202 | 4651 | 0.064 | ng/ul | 85 |
| 17) Pyrene | 19.67 | 202 | 5258 | 0.076 | ng/ul# | 86 |
| 18) Benzo(a)anthracene | 21.40 | 228 | 4300 | 0.063 | ng/ul# | 88 |
| 19) Chrysene | 21.45 | 228 | 5279 | 0.080 | ng/ul | 95 |
| 21) Benzo(b)fluoranthene | 23.15 | 252 | 7463 | 0.125 | ng/ul | 91 |
| 22) Benzo(k)fluoranthene | 23.19 | 252 | 2987m | 0.051 | ng/ul | |
| 23) Benzo(a)pyrene | 23.81 | 252 | 6125m | 0.108 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.55 | 276 | 3820m | 0.061 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 27.37 | 276 | 3858m | 0.073 | ng/ul | |

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

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**Instrument :**
BNA_E
**ClientSampleId :**
C0B14

**Manual Integrations APPROVED**
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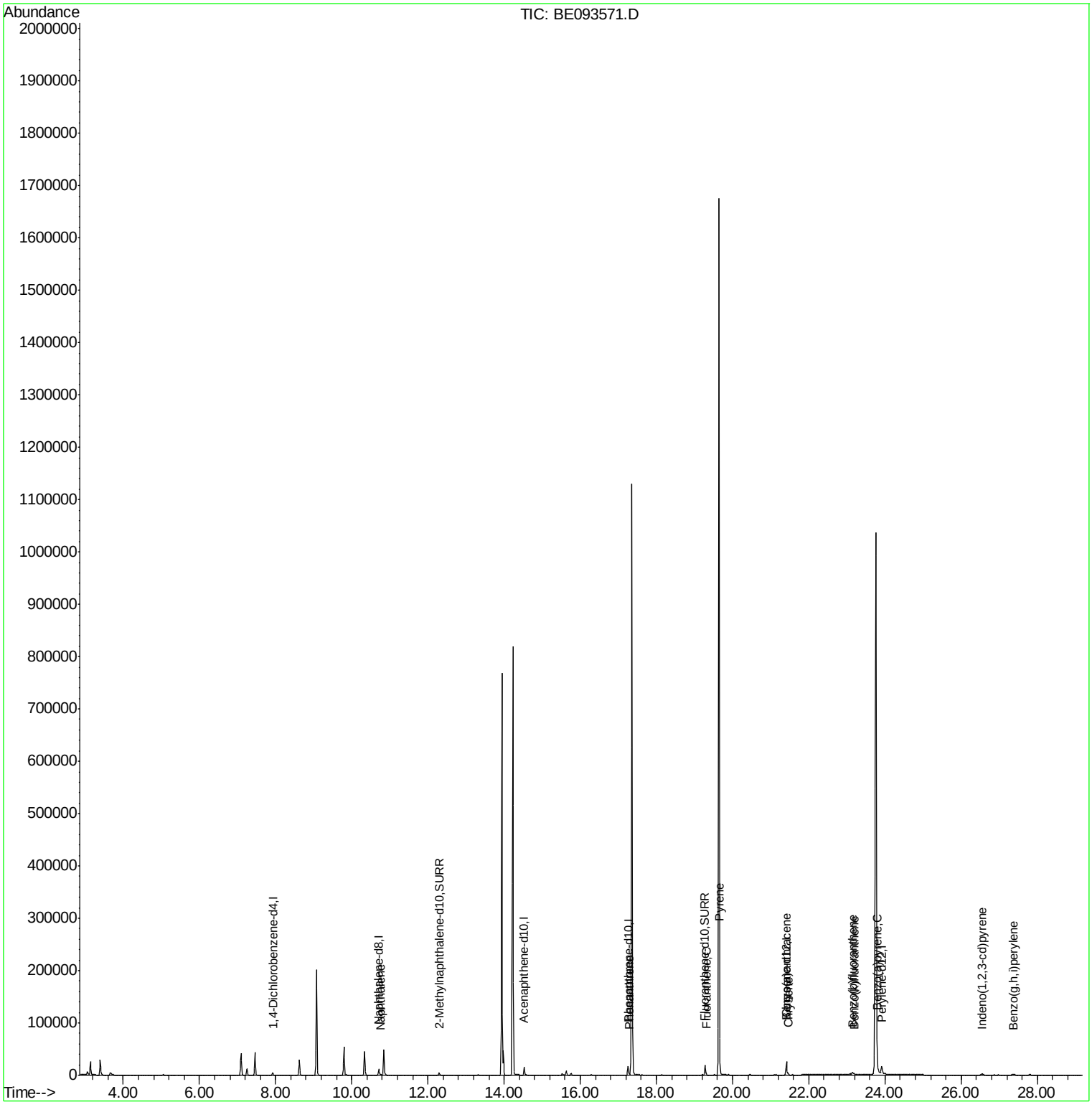

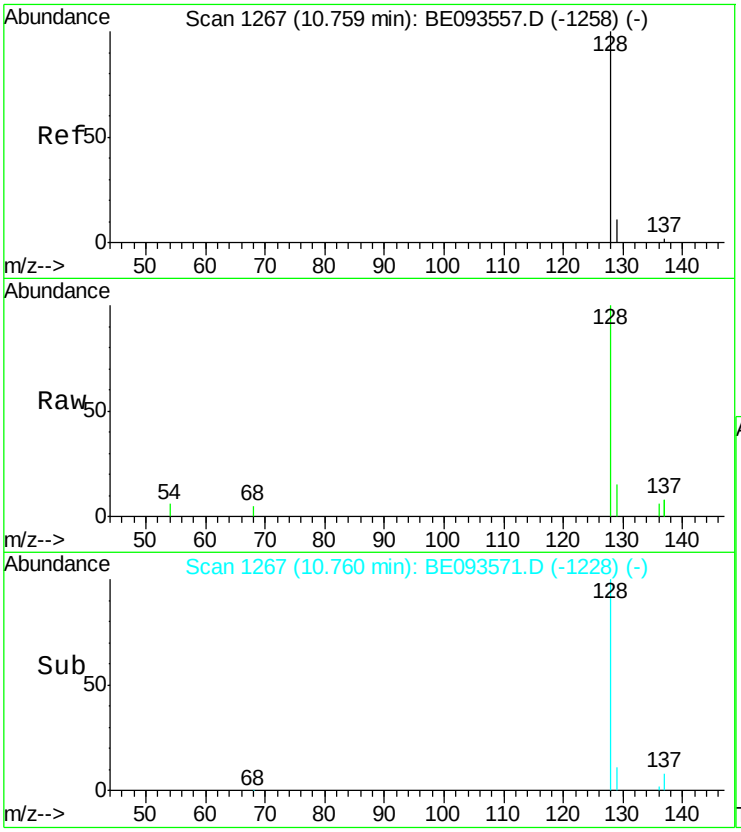


#3
Naphthalene
Concen: 0.077 ng/ul
RT: 10.76 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:128 Resp: 2299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.3 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B14

**Manual Integrations APPROVED**
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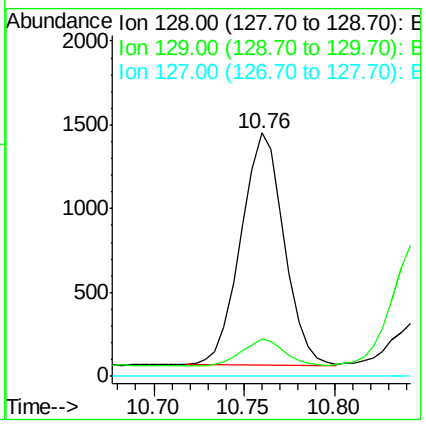
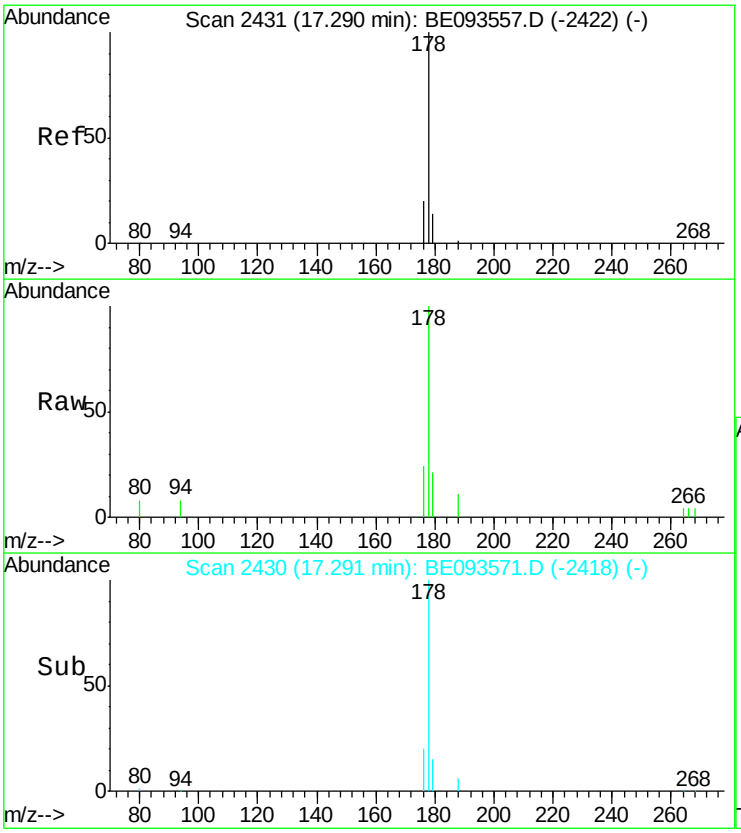
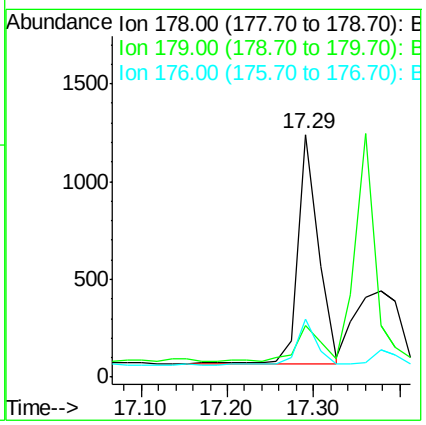


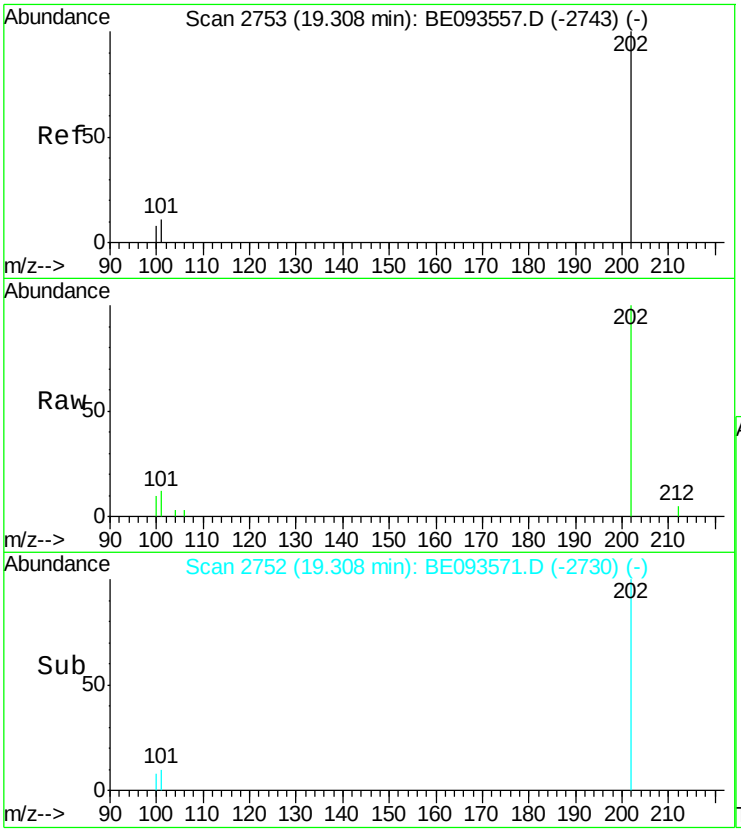




#12
Phenanthrene
Concen: 0.033 ng/ul
RT: 17.29 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:178 Resp: 1903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 21.2 | 18.4 | 27.6 |
| 176 | 24.1 | 13.6 | 20.4# |






#15
Fluoranthene
Concen: 0.064 ng/ul
RT: 19.31 min Scan# 2752
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:202 Resp: 4651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.1 | 0.0 | 30.3 |
| 100 | 10.0 | 0.0 | 39.5 |

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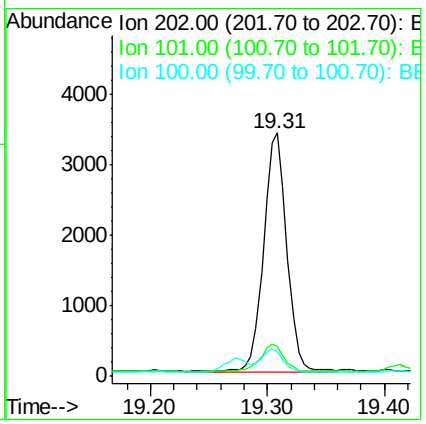
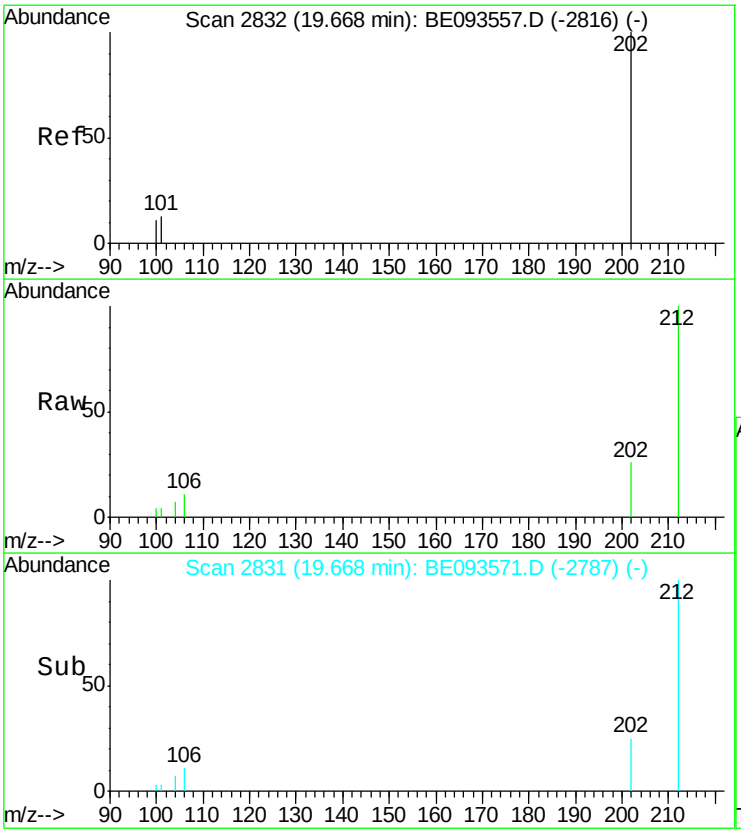
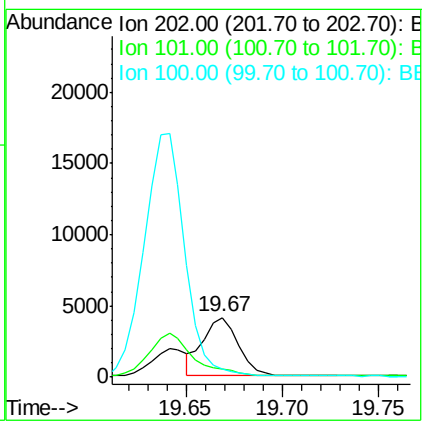


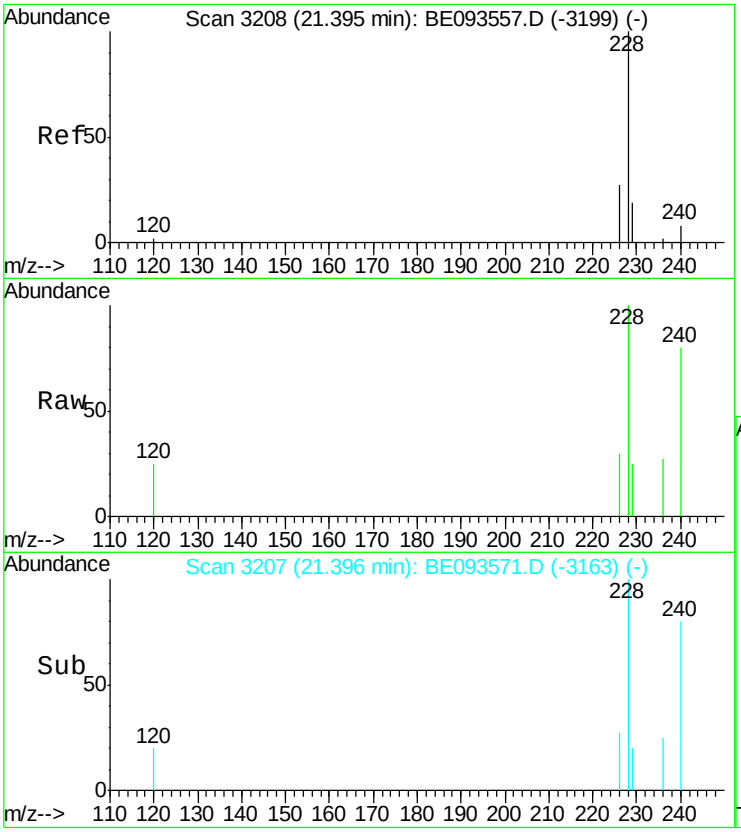




#17
Pyrene
Concen: 0.076 ng/ul
RT: 19.67 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:202 Resp: 5258

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.4 | 18.2 | 27.4# |
| 100 | 14.5 | 15.6 | 23.4# |






#18
Benzo(a)anthracene
Concen: 0.063 ng/ul
RT: 21.40 min Scan# 3207
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:228 Resp: 4300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.6 | 22.8 | 34.2 |
| 226 | 29.6 | 17.0 | 25.6# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B14

**Manual Integrations APPROVED**
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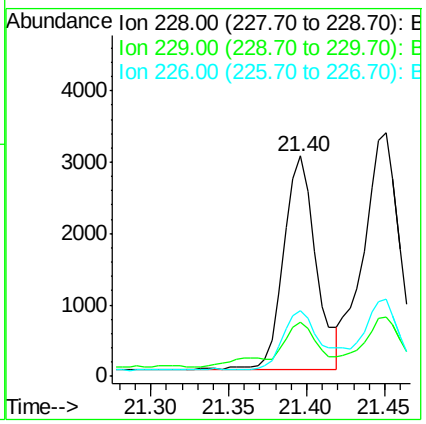
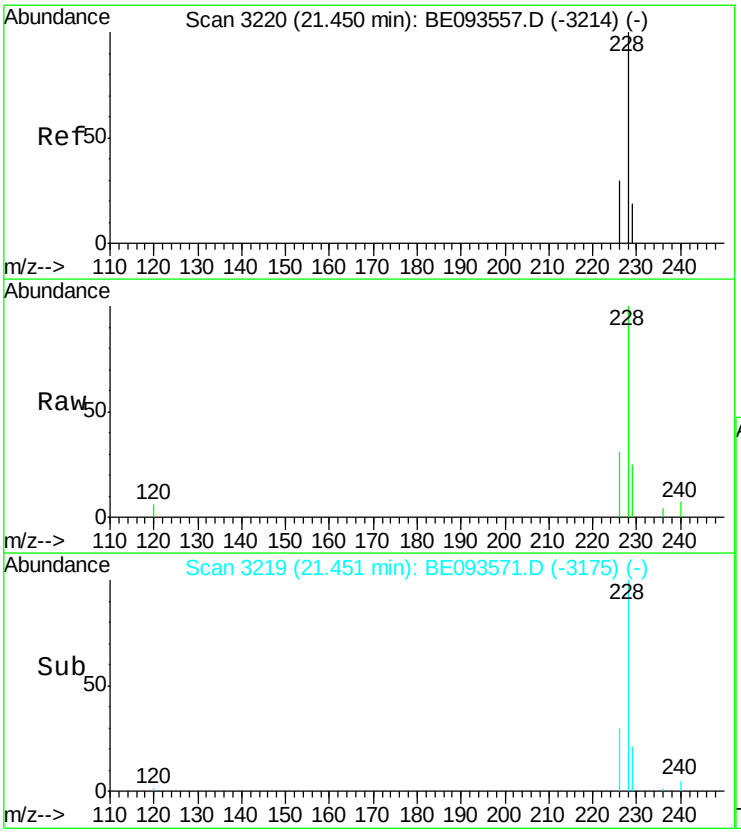
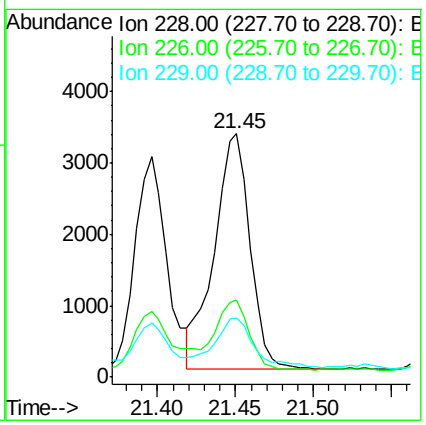


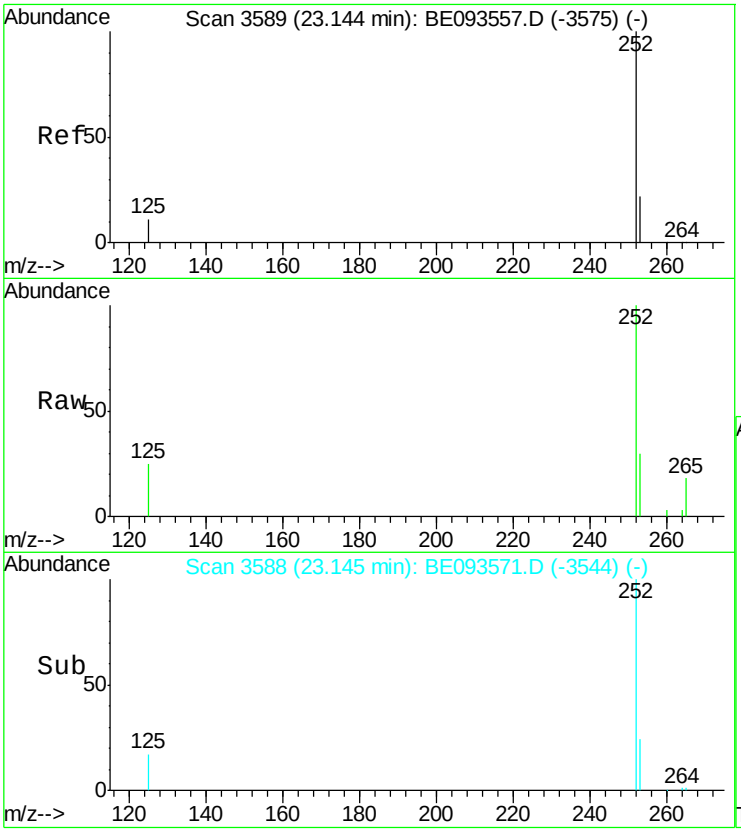




#19
Chrysene
Concen: 0.080 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:228 Resp: 5279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.5 | 23.4 | 35.0 |
| 229 | 24.5 | 17.7 | 26.5 |

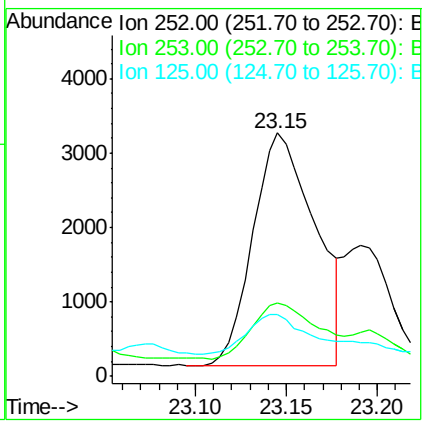





#21
Benzo(b)fluoranthene
Concen: 0.125 ng/ul
RT: 23.15 min Scan# 3588
Delta R.T. 0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:252 Resp: 7463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.9 | 0.0 | 64.2 |
| 125 | 25.3 | 0.0 | 35.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0B14

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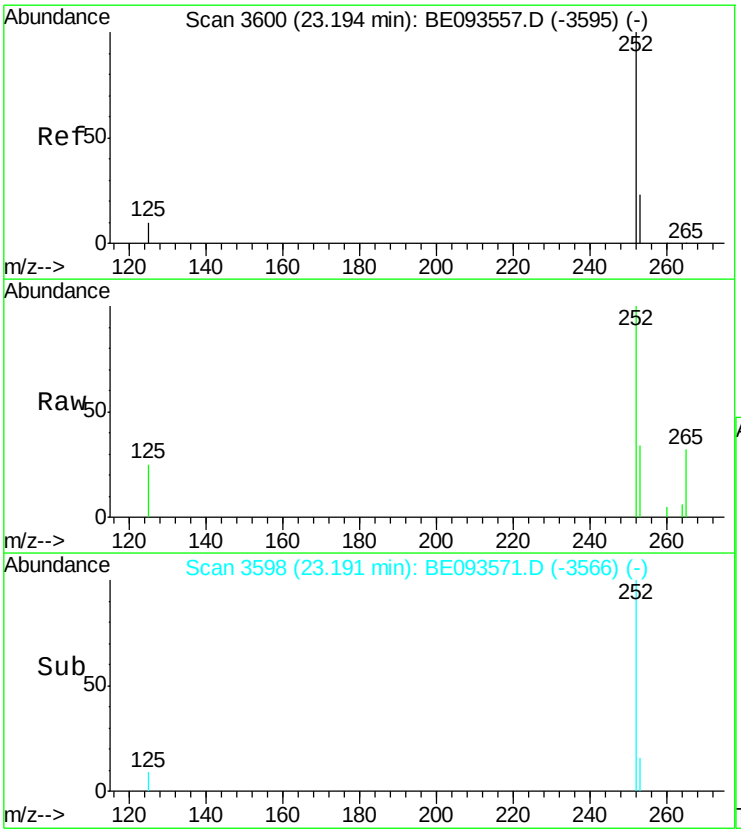
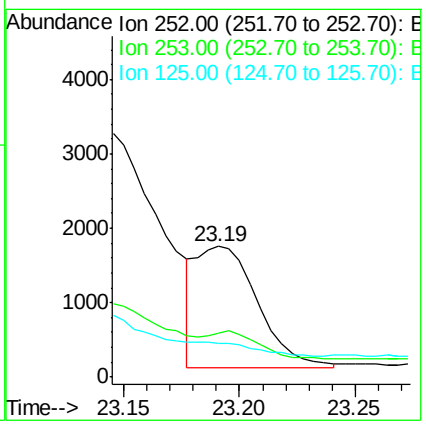
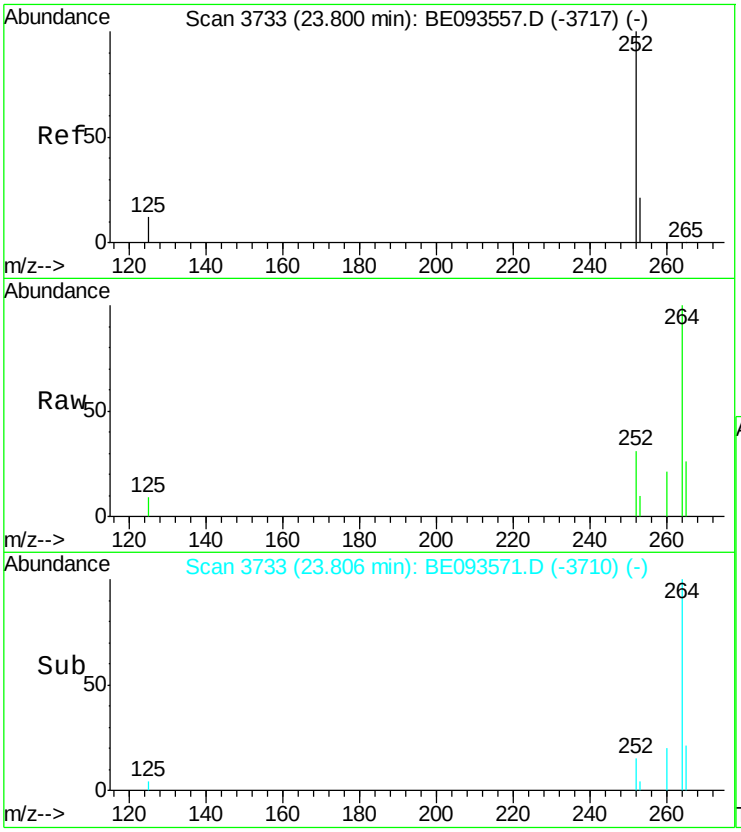



#22
Benzo(k)fluoranthene
Concen: 0.051 ng/ul m
RT: 23.19 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:252 Resp: 2987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.5 | 24.5 | 36.7 |
| 125 | 25.5 | 13.7 | 20.5# |






#23
Benzo(a)pyrene
Concen: 0.108 ng/ul m
RT: 23.81 min Scan# 3733
Delta R.T. 0.01 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:252 Resp: 6125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.1 | 28.5 | 42.7 |
| 125 | 29.1 | 18.1 | 27.1# |

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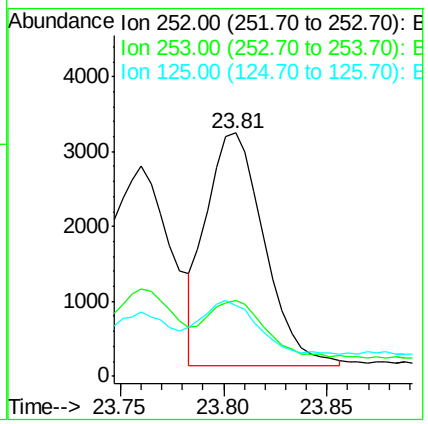
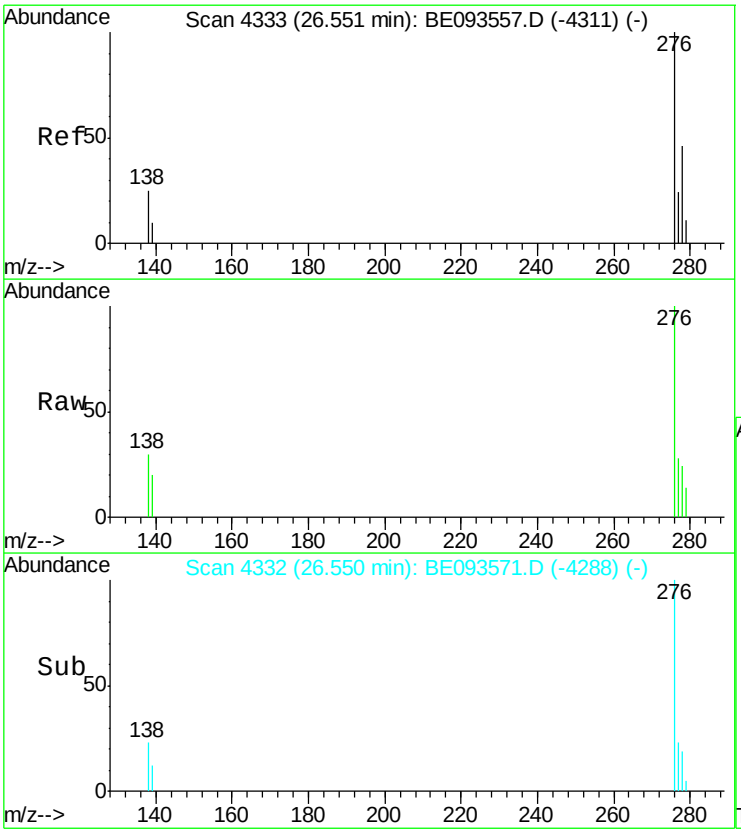
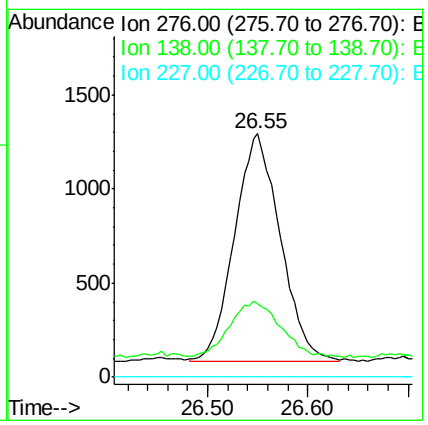


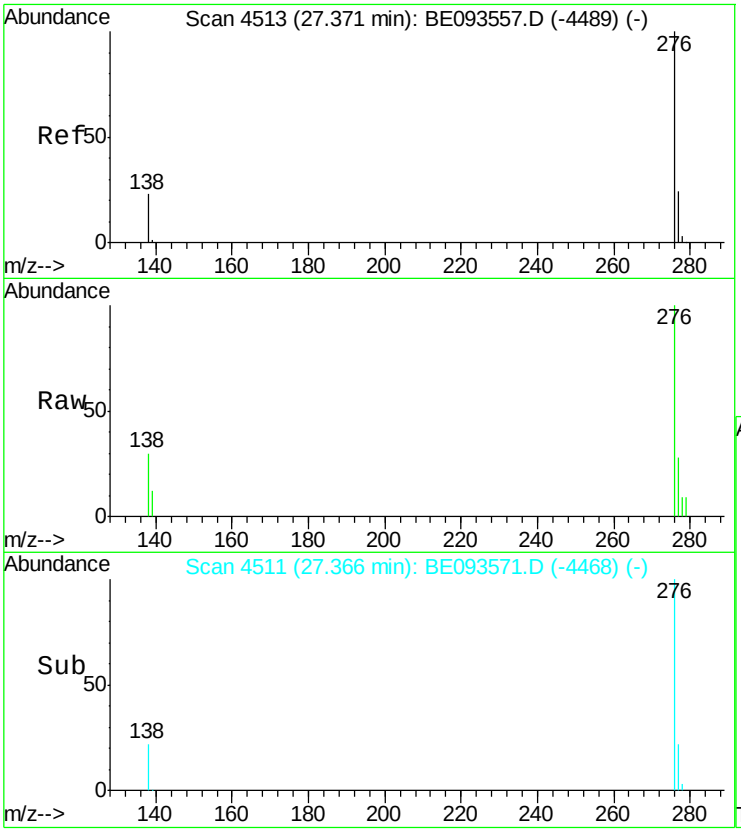




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.061 ng/ul m
RT: 26.55 min Scan# 4332
Delta R.T. -0.00 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:276 Resp: 3820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 2.5 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

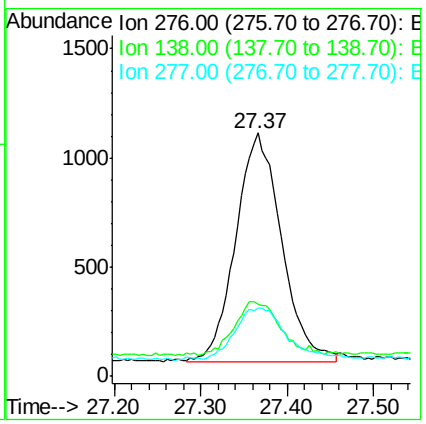





#26
Benzo(g,h,i)perylene
Concen: 0.073 ng/ul m
RT: 27.37 min Scan# 4511
Delta R.T. -0.01 min
Lab File: BE093571.D
Acq: 25 Jul 2017 11:15

Tgt Ion:276 Resp: 3858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.7 | 21.8 | 32.8 |
| 277 | 28.1 | 20.5 | 30.7 |




**Instrument :**
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