Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
Data File : BE097451.D
Acq On : 12 Sep 2018 12:49
Operator : SJ/JU
Sample : J4792-07MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
Sohil
9/13/2018 5:42:15 PM

Quant Time: Sep 13 01:31:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 01:16:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.38 | 152 | 910 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.12 | 136 | 5285 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.01 | 164 | 3640 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.76 | 188 | 9367 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 20.97 | 240 | 10497 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.21 | 264 | 11205 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.72 | 152 | 1780 | 0.22 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.80 | 212 | 6877 | 0.22 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 8) Acenaphthene | 14.07 | 153 | 2118 | 0.186 | ng/ul | 96 |
| 11) Pentachlorophenol | 16.43 | 266 | 159 | 0.172 | ng/ul | 94 |
| 12) Phenanthrene | 16.80 | 178 | 1682 | 0.070 | ng/ul# | 89 |
| 13) Anthracene | 16.89 | 178 | 557 | 0.027 | ng/ul# | 48 |
| 15) Fluoranthene | 18.84 | 202 | 4145 | 0.134 | ng/ul | 80 |
| 17) Pyrene | 19.20 | 202 | 30506 | 1.080 | ng/ul# | 80 |
| 18) Benzo(a)anthracene | 20.95 | 228 | 52897 | 1.962 | ng/ul# | 78 |
| 19) Chrysene | 21.01 | 228 | 70836 | 2.280 | ng/ul# | 75 |
| 21) Benzo(b)fluoranthene | 22.54 | 252 | 11795m | 0.393 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.58 | 252 | 2182m | 0.065 | ng/ul | |
| 23) Benzo(a)pyrene | 23.11 | 252 | 13220 | 0.476 | ng/ul# | 22 |
| 24) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 3723 | 0.103 | ng/ul# | 89 |
| 25) Dibenzo(a,h)anthracene | 25.51 | 278 | 8016 | 0.263 | ng/ul# | 21 |
| 26) Benzo(g,h,i)perylene | 26.20 | 276 | 2877 | 0.094 | ng/ul# | 30 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE091218\
Data File : BE097451.D
Acq On : 12 Sep 2018 12:49
Operator : SJ/JU
Sample : J4792-07MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 13 01:31:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 13 01:16:50 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
Sohil
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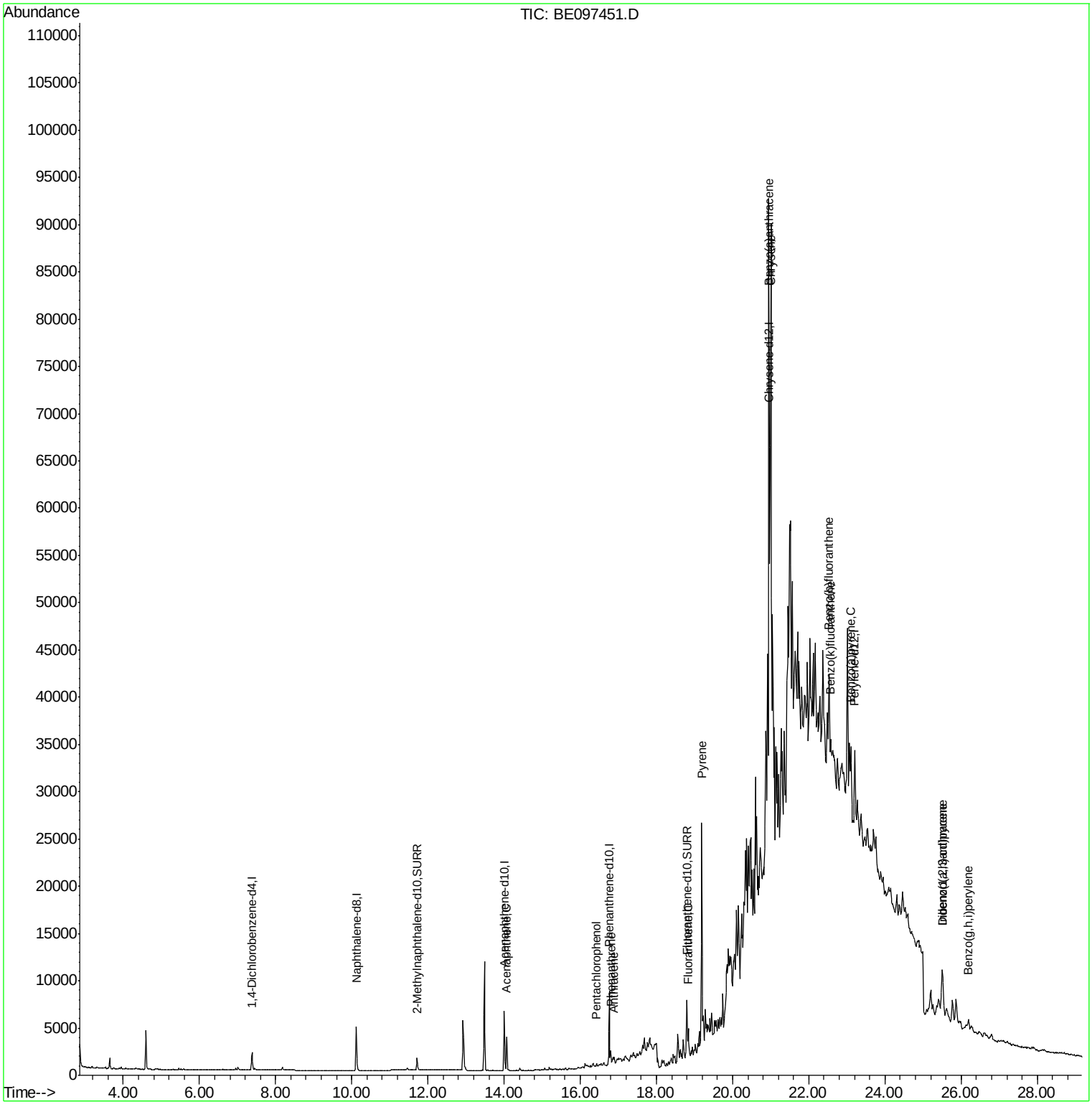
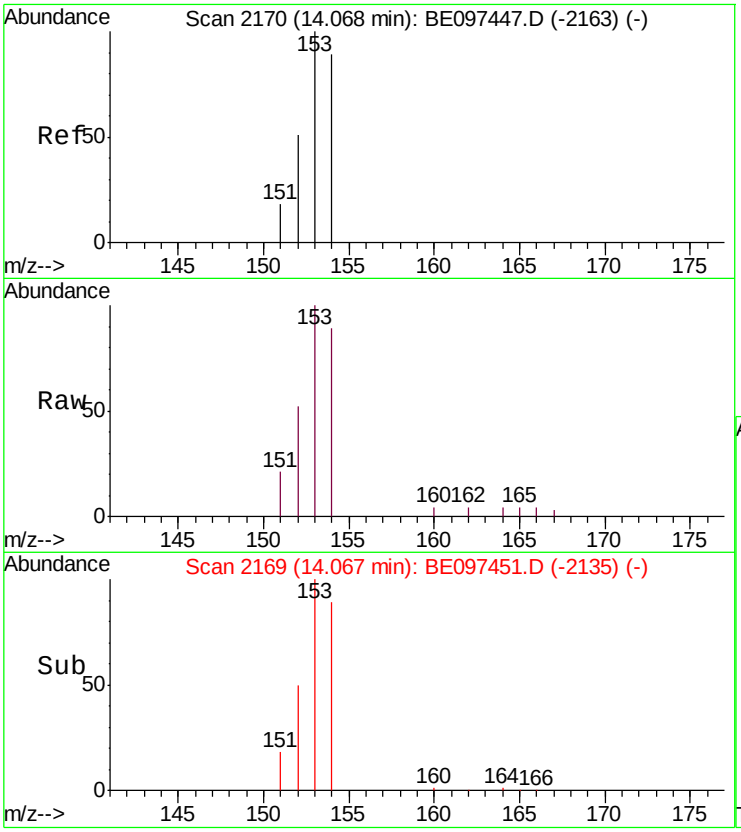
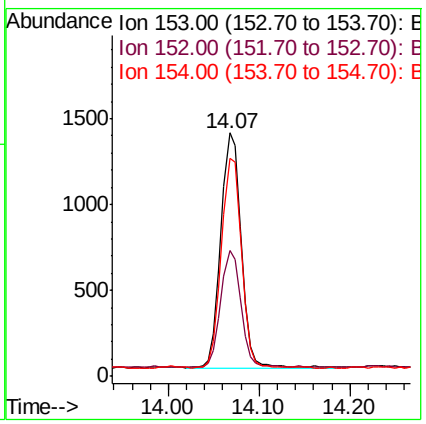





#8
Acenaphthene
Concen: 0.186 ng/ul
RT: 14.07 min Scan# 2169
Delta R.T. -0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:153 Resp: 2118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.9 | 36.0 | 54.0 |
| 154 | 89.4 | 72.0 | 108.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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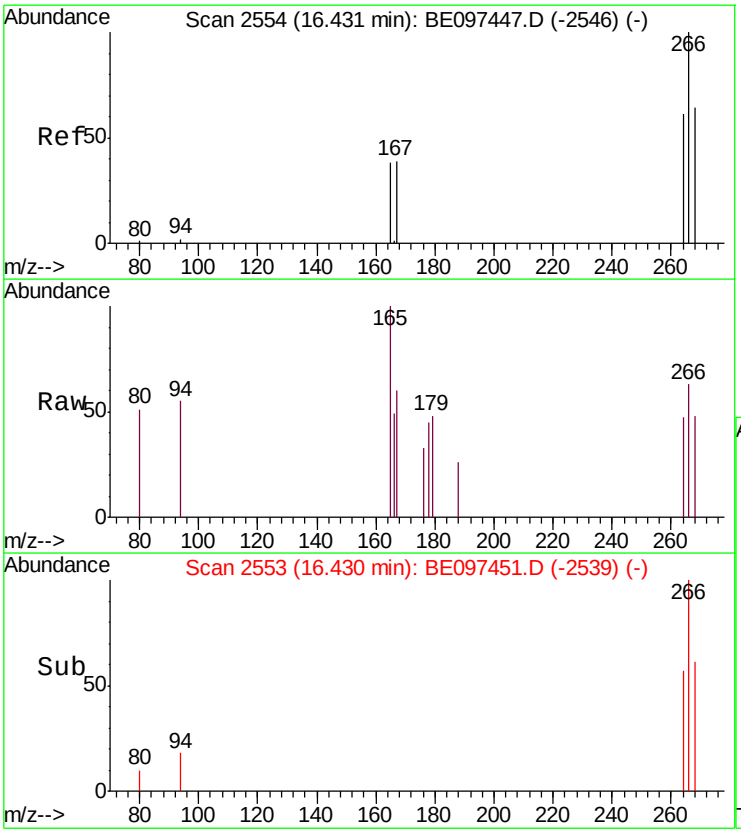
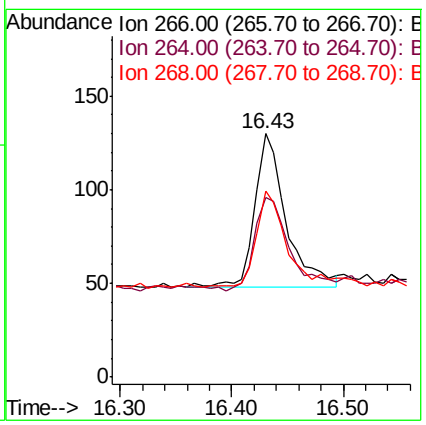
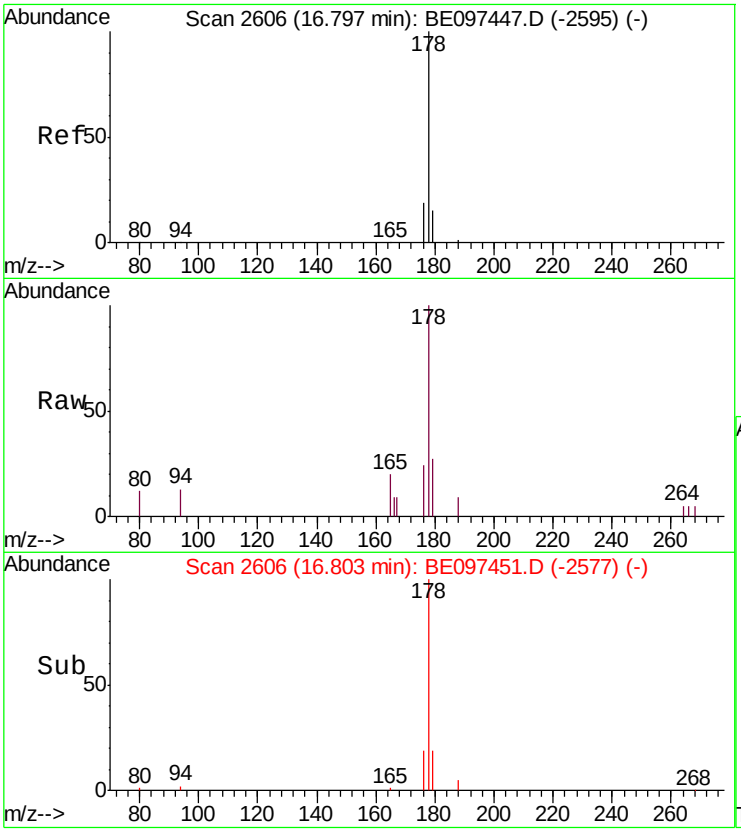



#11
Pentachlorophenol
Concen: 0.172 ng/ul
RT: 16.43 min Scan# 2553
Delta R.T. -0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:266 Resp: 159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 69.2 | 47.9 | 71.9 |
| 268 | 61.6 | 49.8 | 74.8 |

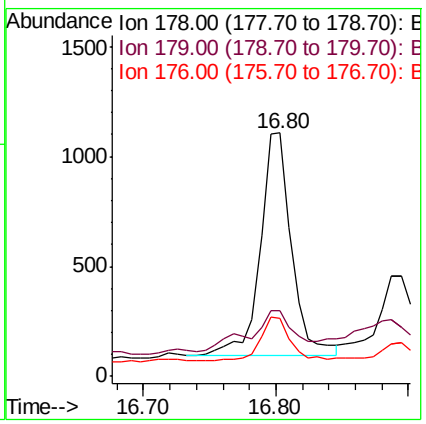





#12
Phenanthrene
Concen: 0.070 ng/ul
RT: 16.80 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:178 Resp: 1682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 27.0 | 18.4 | 27.6 |
| 176 | 23.8 | 13.6 | 20.4# |




**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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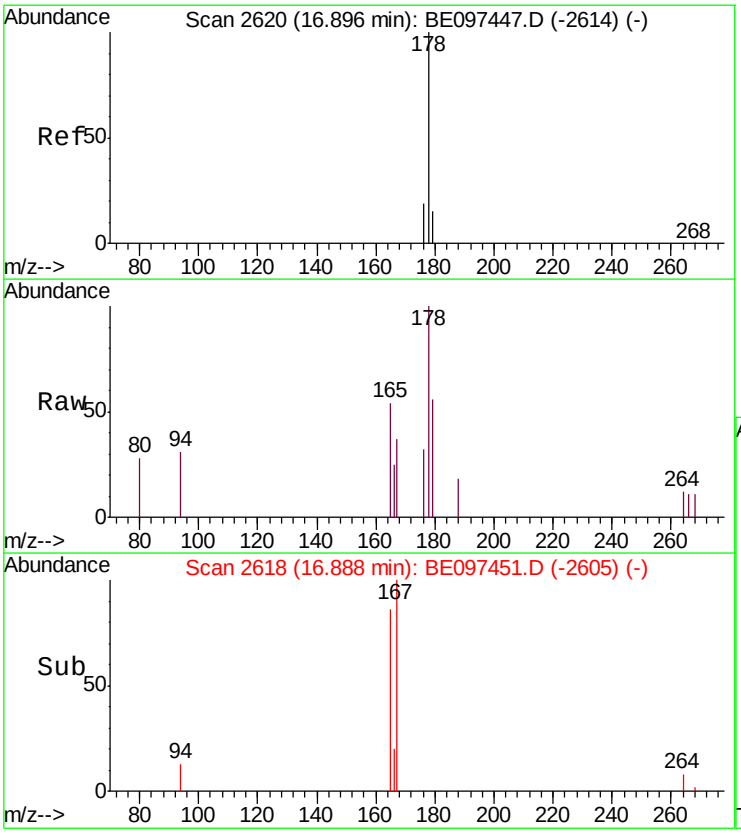
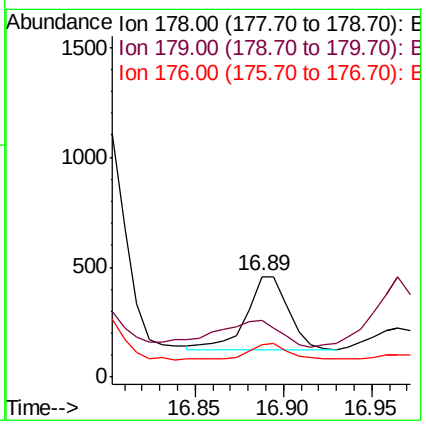
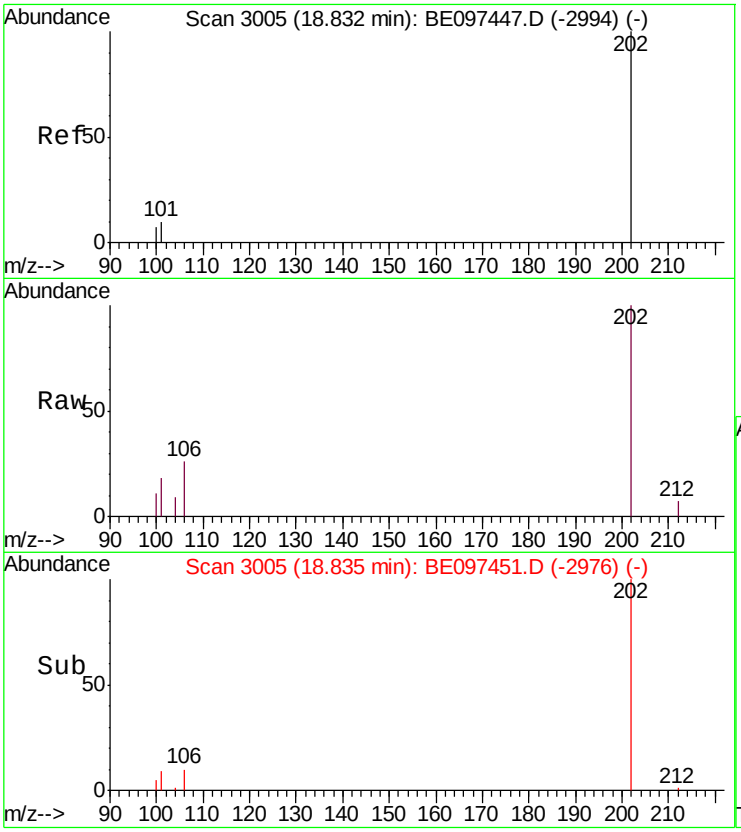



#13
Anthracene
Concen: 0.027 ng/ul
RT: 16.89 min Scan# 2618
Delta R.T. -0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:178 Resp: 557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 55.9 | 18.1 | 27.1# |
| 176 | 32.1 | 14.7 | 22.1# |






#15
Fluoranthene
Concen: 0.134 ng/ul
RT: 18.84 min Scan# 3005
Delta R.T. 0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:202 Resp: 4145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.1 | 0.0 | 30.3 |
| 100 | 10.9 | 0.0 | 39.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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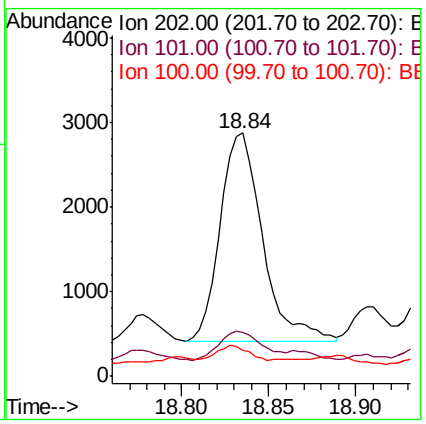
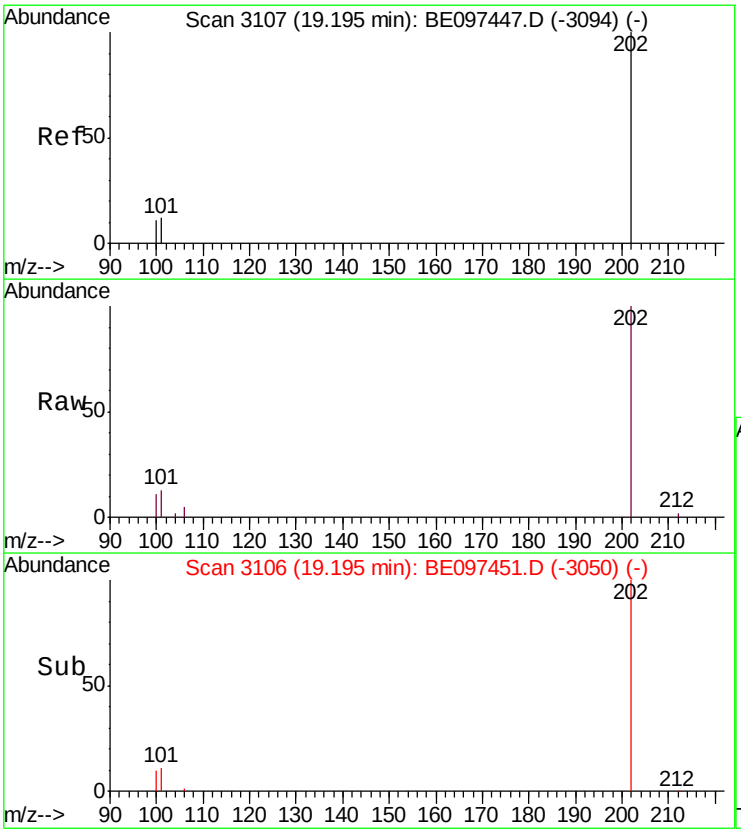
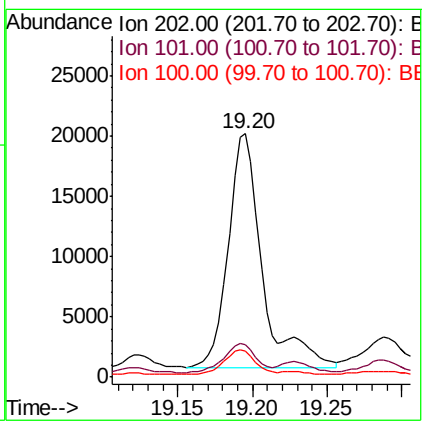


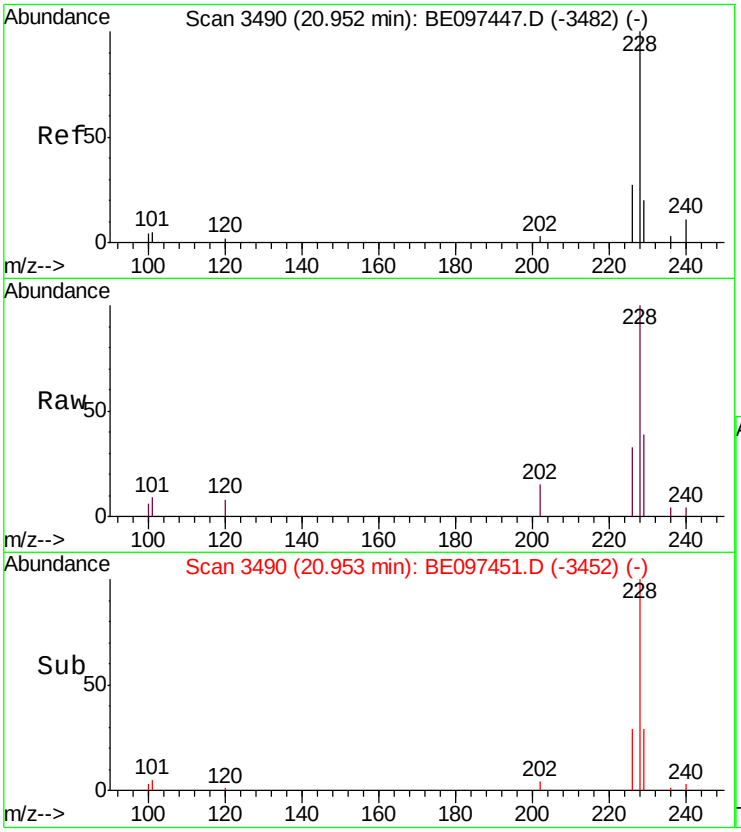




#17
Pyrene
Concen: 1.080 ng/ul
RT: 19.20 min Scan# 3106
Delta R.T. -0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:202 Resp: 30506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.2 | 18.2 | 27.4# |
| 100 | 10.6 | 15.6 | 23.4# |






#18
Benzo(a)anthracene
Concen: 1.962 ng/ul
RT: 20.95 min Scan# 3490
Delta R.T. 0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:228 Resp: 52897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 38.9 | 22.8 | 34.2# |
| 226 | 32.9 | 17.0 | 25.6# |

**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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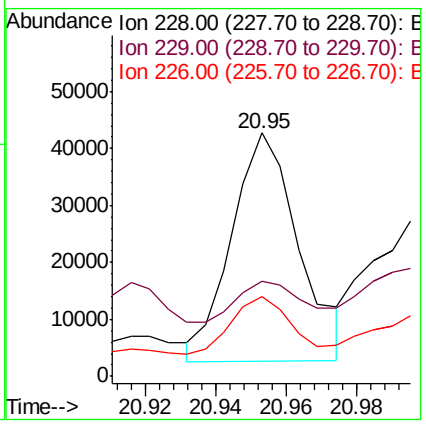
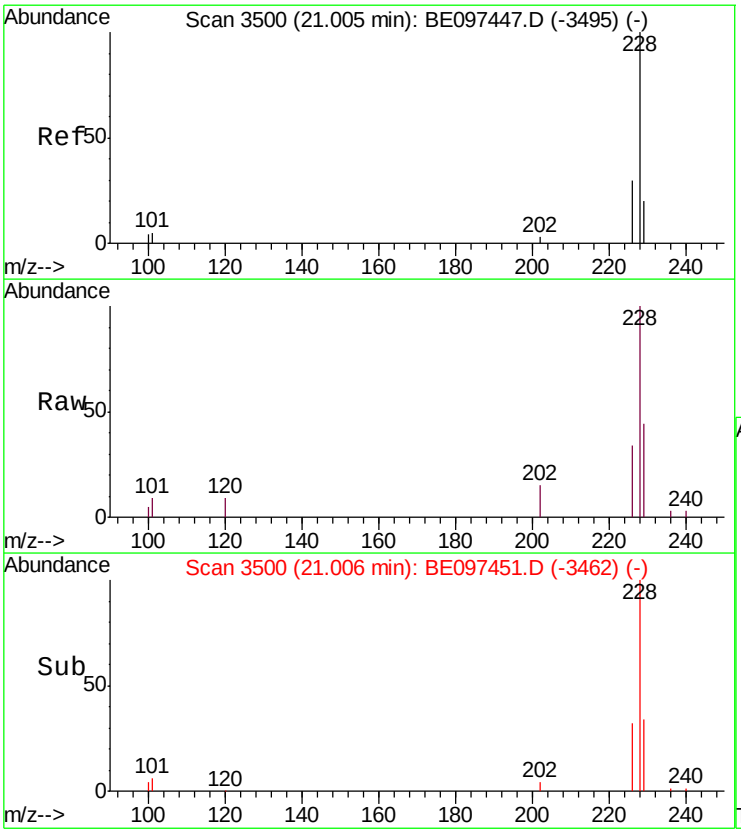
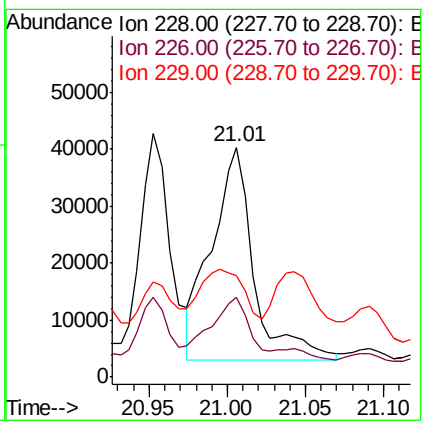


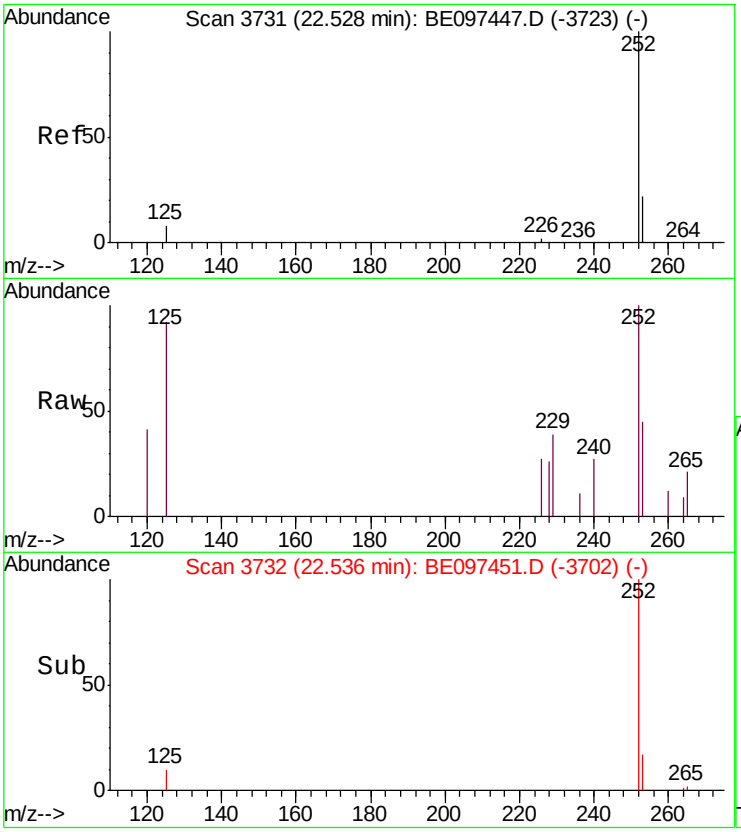




#19
Chrysene
Concen: 2.280 ng/ul
RT: 21.01 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:228 Resp: 70836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.4 | 23.4 | 35.0 |
| 229 | 43.9 | 17.7 | 26.5# |

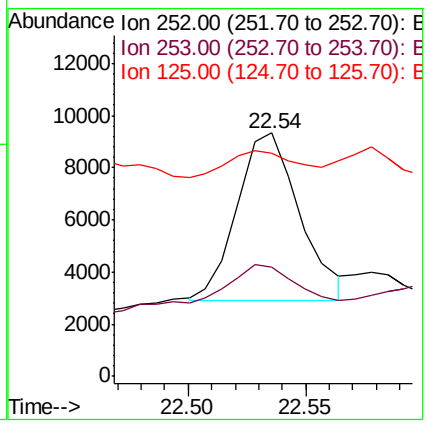





#21
Benzo(b)fluoranthene
Concen: 0.393 ng/ul m
RT: 22.54 min Scan# 3732
Delta R.T. 0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:252 Resp: 11795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 45.1 | 0.0 | 64.2 |
| 125 | 91.5 | 0.0 | 35.0# |




**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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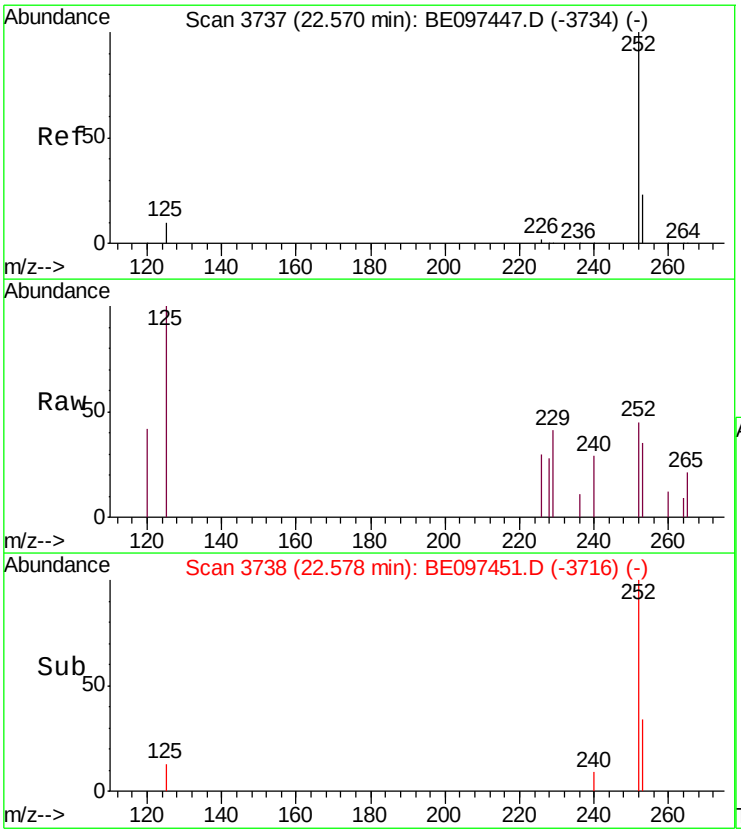
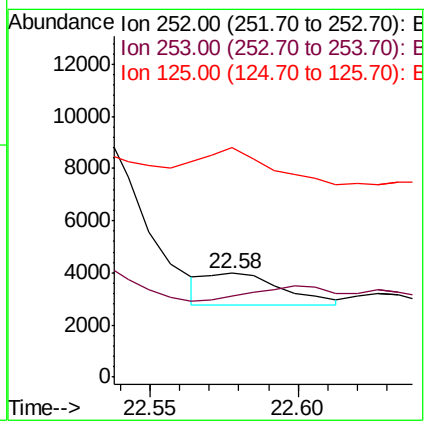
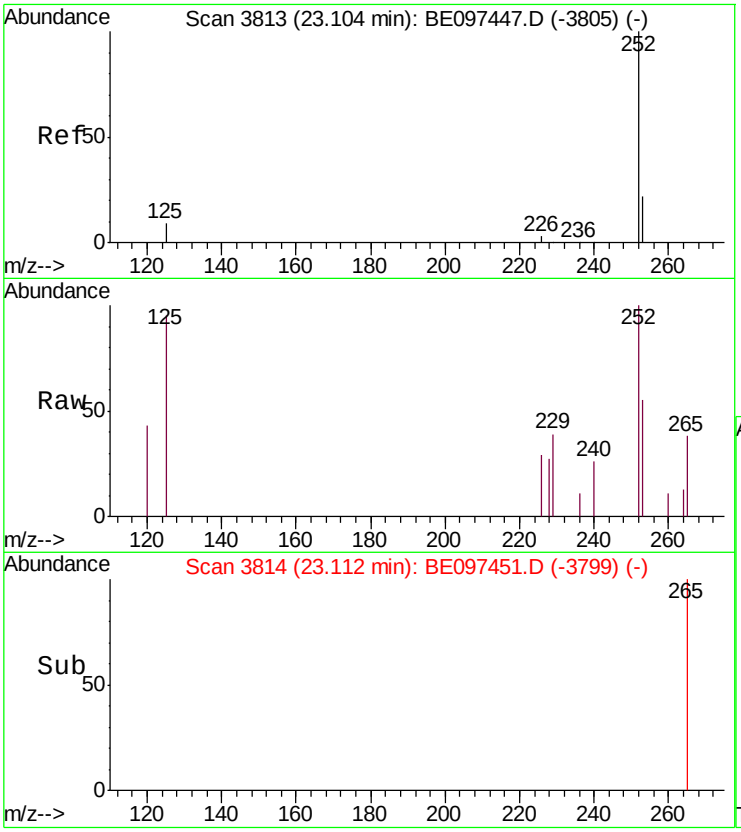



#22
Benzo(k)fluoranthene
Concen: 0.065 ng/ul m
RT: 22.58 min Scan# 3738
Delta R.T. 0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:252 Resp: 2182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 77.8 | 24.5 | 36.7# |
| 125 | 221.7 | 13.7 | 20.5# |






#23
Benzo(a)pyrene
Concen: 0.476 ng/ul
RT: 23.11 min Scan# 3814
Delta R.T. 0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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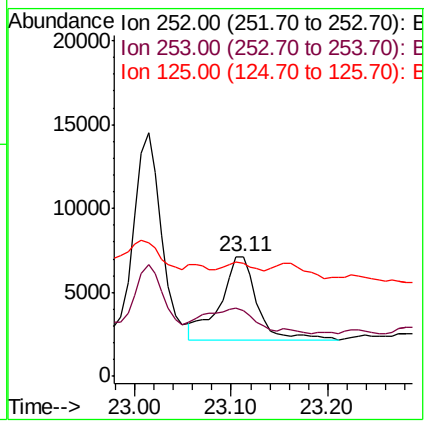
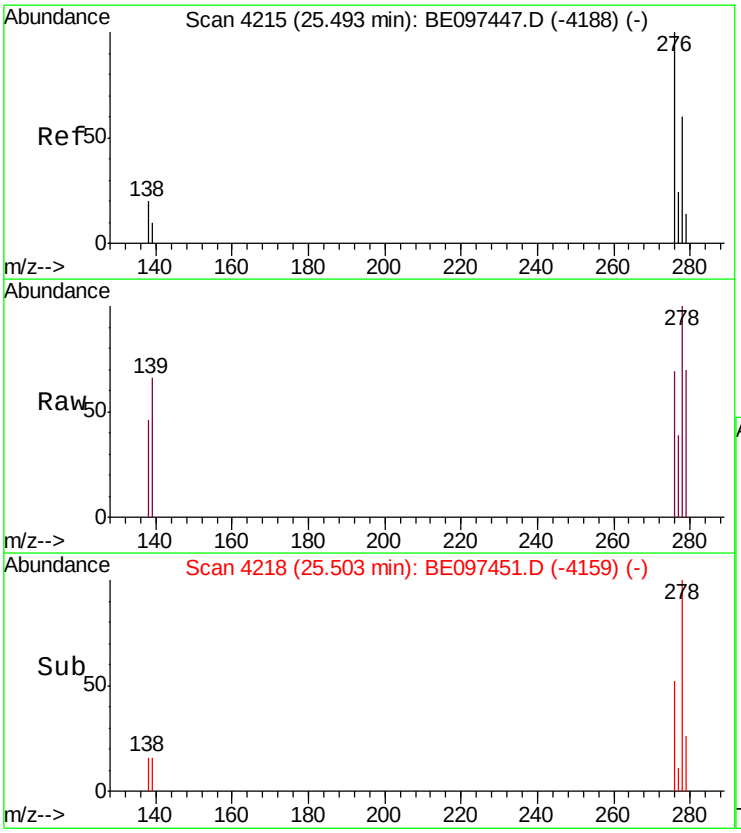
Tgt Ion:252 Resp: 13220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 54.7 | 28.5 | 42.7# |
| 125 | 94.8 | 18.1 | 27.1# |

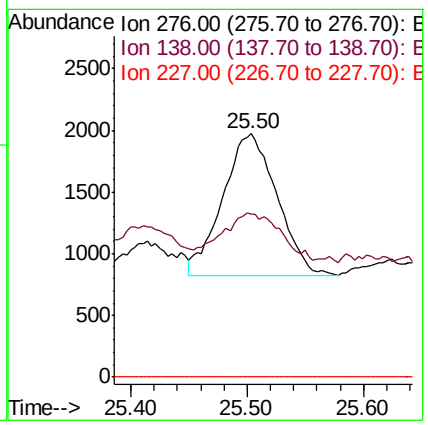


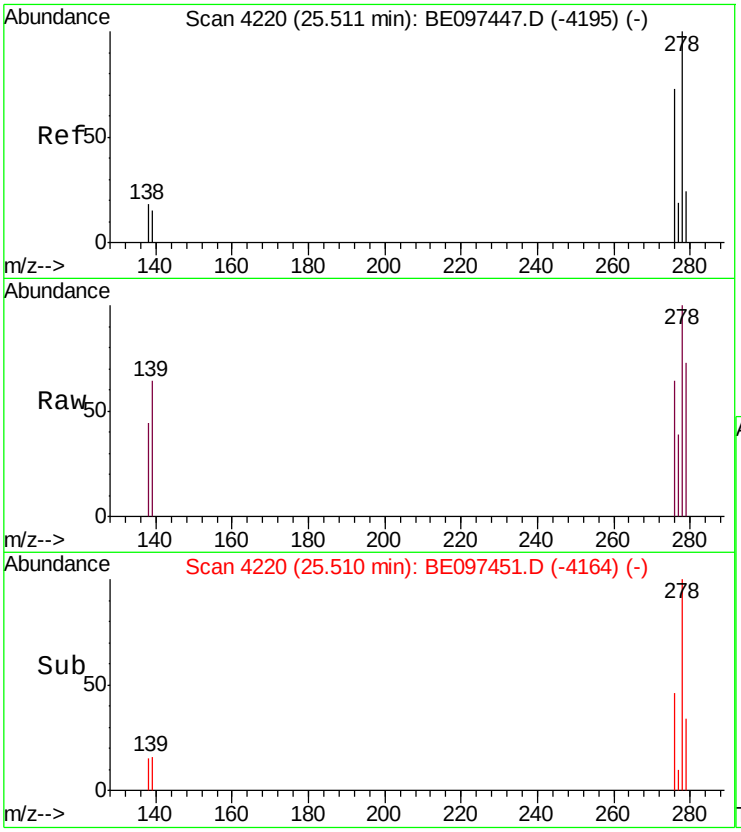




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.103 ng/ul
RT: 25.50 min Scan# 4218
Delta R.T. 0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:276 Resp: 3723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 39.1 | 28.0 | 42.0 |
| 227 | 0.0 | 8.0 | 12.0# |






#25
Dibenzo(a,h)anthracene
Concen: 0.263 ng/ul
RT: 25.51 min Scan# 4220
Delta R.T. -0.00 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

**Instrument :**
BNA_E
**ClientSampleId :**
A3YZ4MSD

**Manual Integrations APPROVED**
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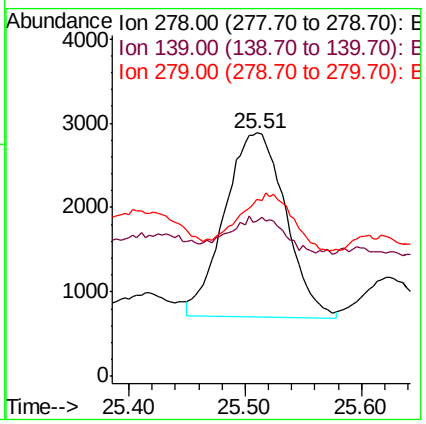
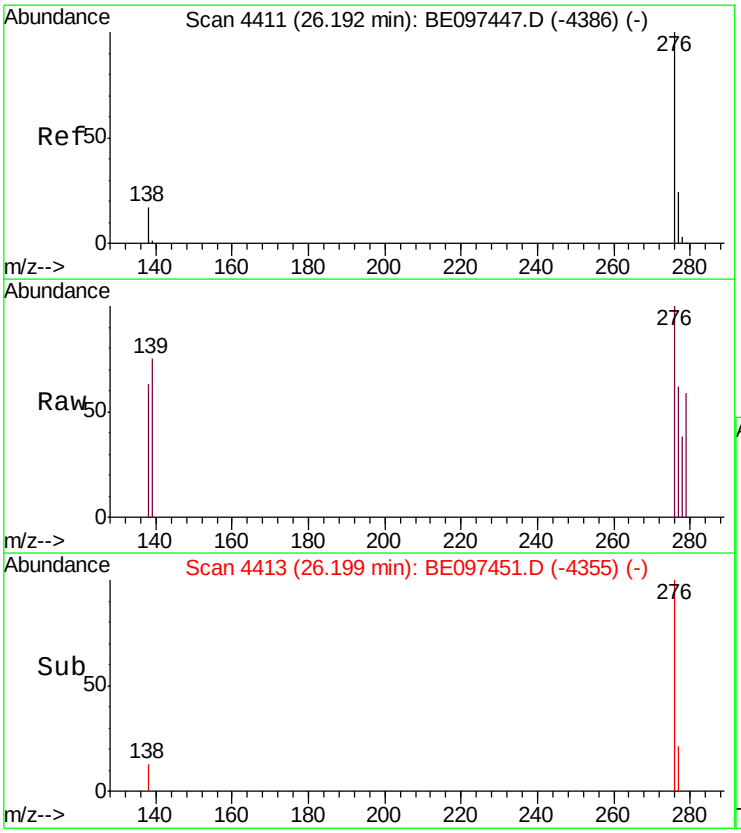
Tgt Ion:278 Resp: 8016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 64.0 | 17.4 | 26.0# |
| 279 | 72.5 | 25.9 | 38.9# |




#26
Benzo(g,h,i)perylene
Concen: 0.094 ng/ul
RT: 26.20 min Scan# 4413
Delta R.T. 0.01 min
Lab File: BE097451.D
Acq: 12 Sep 2018 12:49

Tgt Ion:276 Resp: 2877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 62.7 | 21.8 | 32.8# |
| 277 | 62.0 | 20.5 | 30.7# |