Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE103118\
Data File : BE098118.D
Acq On : 31 Oct 2018 16:23
Operator : SJ/JU
Sample : J5657-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

**Manual Integrations APPROVED**
Sohil
11/1/2018 11:08:00 AM

Quant Time: Nov 01 02:07:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 01:42:08 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.87 | 152 | 928 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.67 | 136 | 4487 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.53 | 164 | 3188 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.29 | 188 | 7403m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.47 | 240 | 8111m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 24.01 | 264 | 7485m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.27 | 152 | 2061 | 0.26 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.32 | 212 | 6127m | 0.25 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 12) Phenanthrene | 17.32 | 178 | 863m | 0.051 | ng/ul | |
| 15) Fluoranthene | 19.34 | 202 | 2327m | 0.107 | ng/ul | |
| 17) Pyrene | 19.71 | 202 | 1978 | 0.104 | ng/ul# | 86 |
| 18) Benzo(a)anthracene | 21.45 | 228 | 1857m | 0.078 | ng/ul | |
| 19) Chrysene | 21.51 | 228 | 1377m | 0.075 | ng/ul | |
| 21) Benzo(b)fluoranthene | 23.24 | 252 | 1824m | 0.088 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.29 | 252 | 841m | 0.041 | ng/ul | |
| 23) Benzo(a)pyrene | 23.90 | 252 | 1340 | 0.067 | ng/ul# | 63 |
| 24) Indeno(1,2,3-cd)pyrene | 26.71 | 276 | 1020 | 0.045 | ng/ul# | 96 |
| 26) Benzo(g,h,i)perylene | 27.53 | 276 | 831 | 0.043 | ng/ul# | 56 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE103118\
Data File : BE098118.D
Acq On : 31 Oct 2018 16:23
Operator : SJ/JU
Sample : J5657-15
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 01 02:07:34 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE102518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 01:42:08 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

**Manual Integrations APPROVED**
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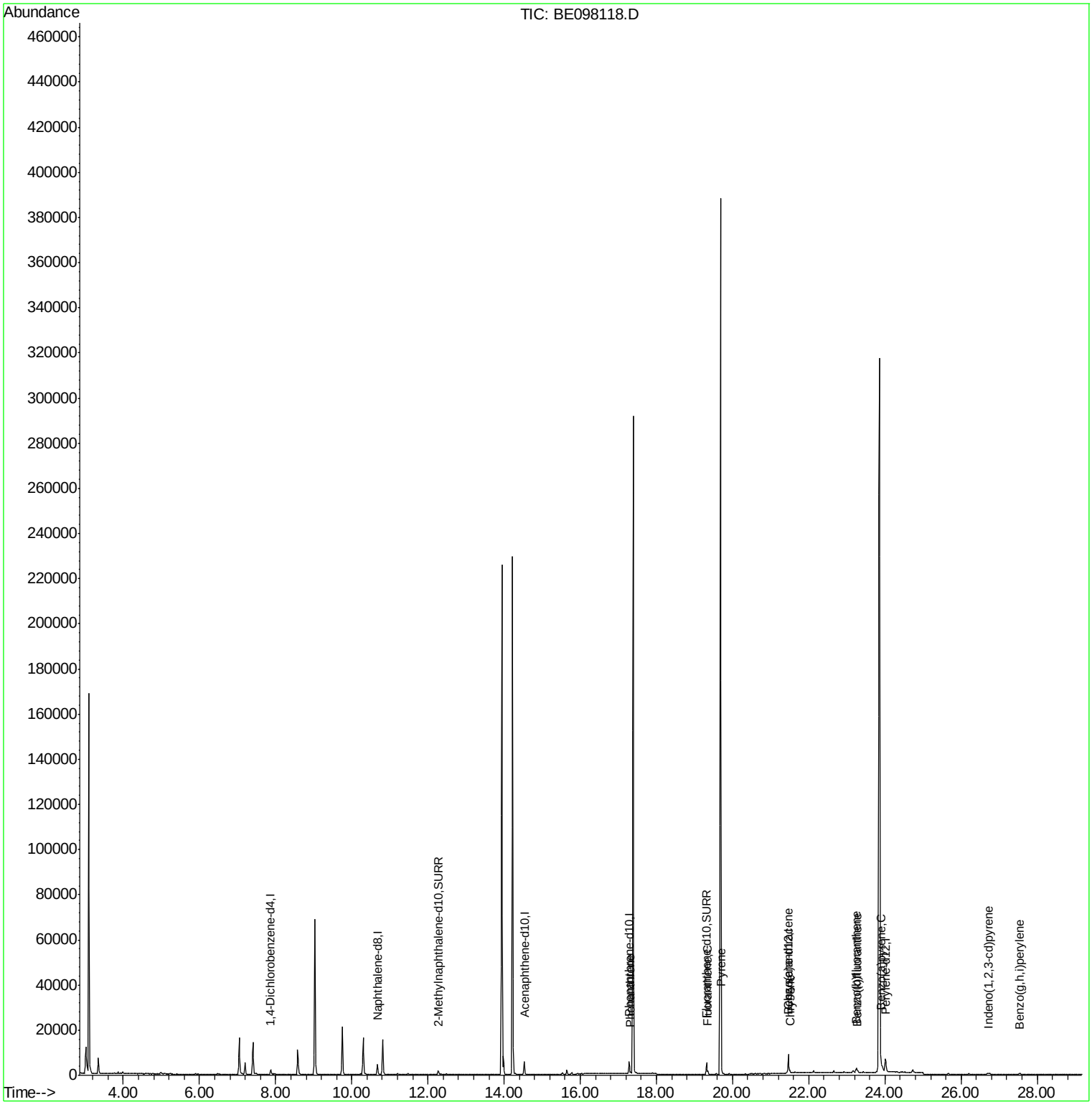
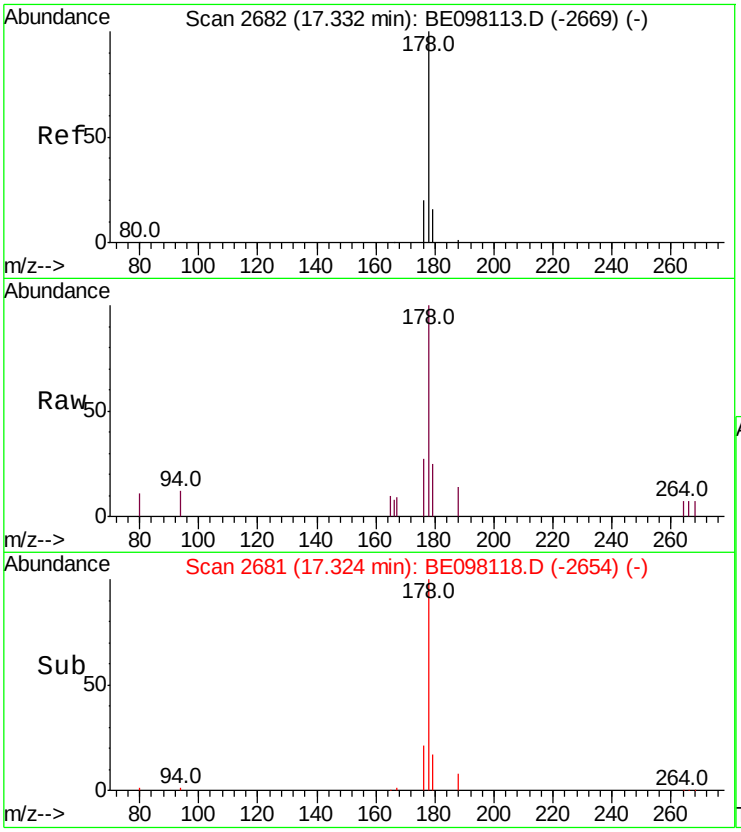
11/1/2018 11:08:00 AM

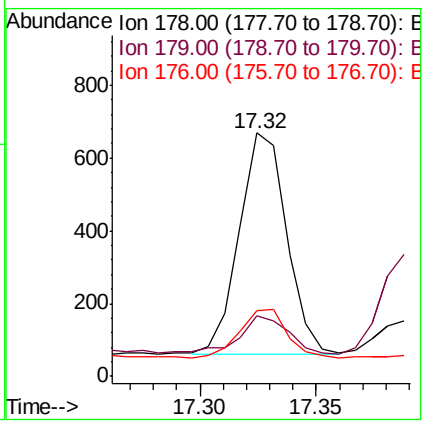





#12
Phenanthrene
Concen: 0.051 ng/ul m
RT: 17.32 min Scan# 2681
Delta R.T. -0.01 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

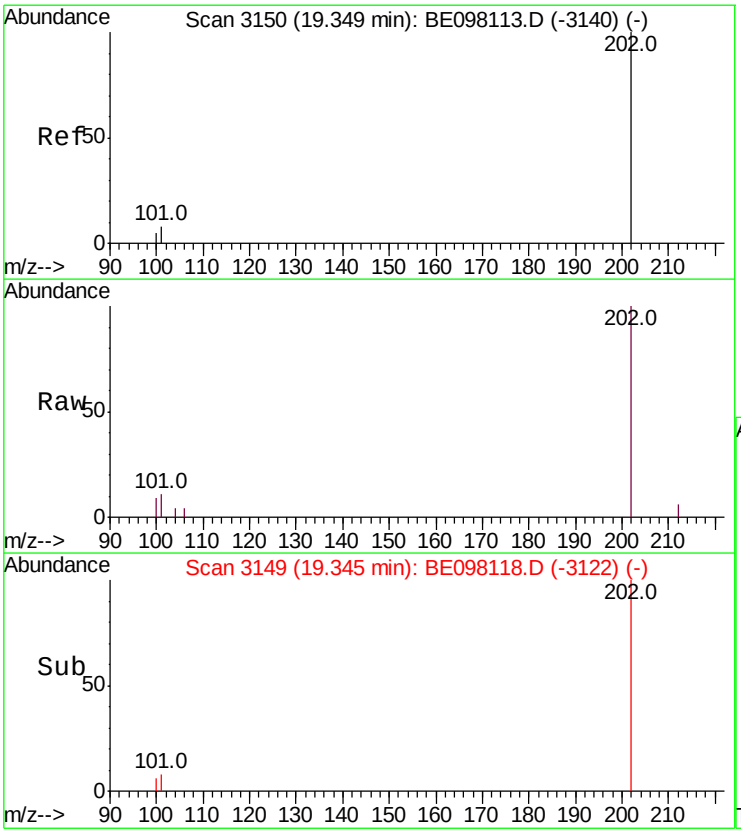
Tgt Ion:178 Resp: 863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 25.1 | 13.0 | 19.4# |
| 176 | 27.1 | 15.7 | 23.5# |




**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

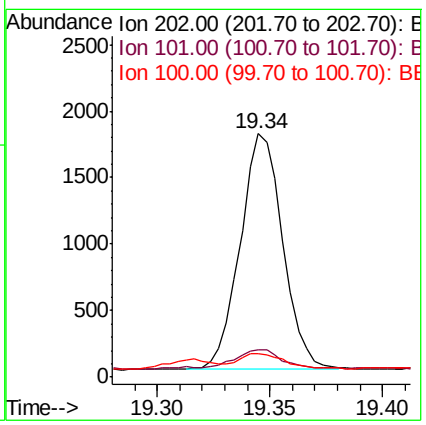
**Manual Integrations APPROVED**
Sohil
11/1/2018 11:08:00 AM

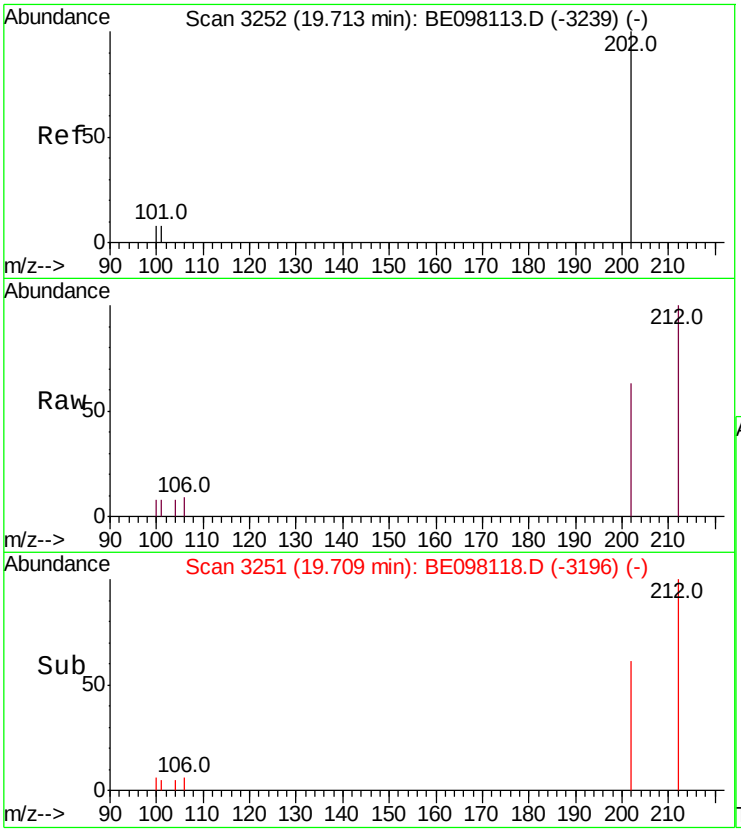



#15
Fluoranthene
Concen: 0.107 ng/ul m
RT: 19.34 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:202 Resp: 2327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 0.0 | 27.5 |
| 100 | 9.4 | 0.0 | 26.0 |






#17
Pyrene
Concen: 0.104 ng/ul
RT: 19.71 min Scan# 3251
Delta R.T. -0.00 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:202 Resp: 1978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 6.9 | 10.3# |
| 100 | 13.2 | 6.0 | 9.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

**Manual Integrations APPROVED**
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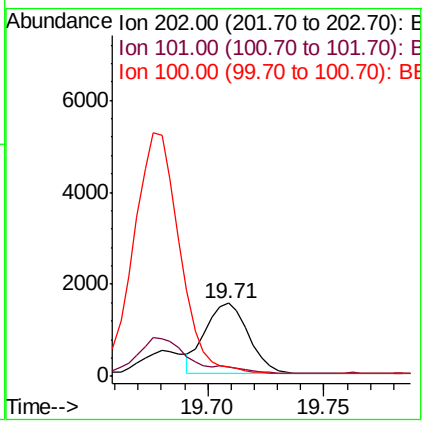
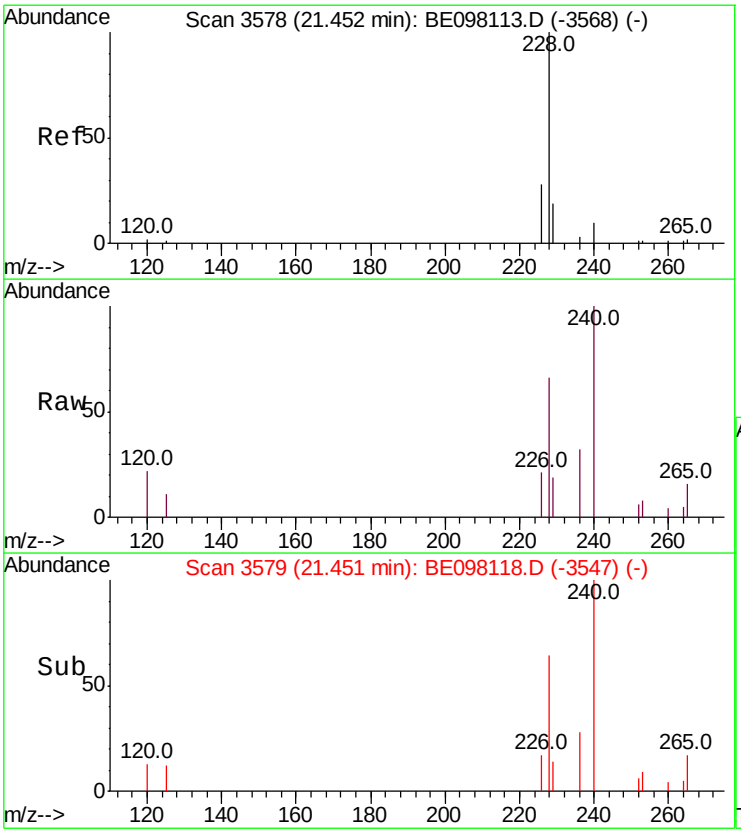
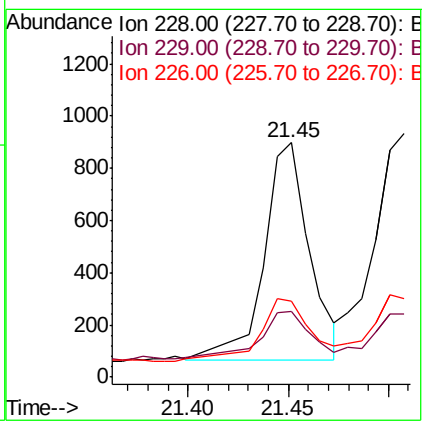


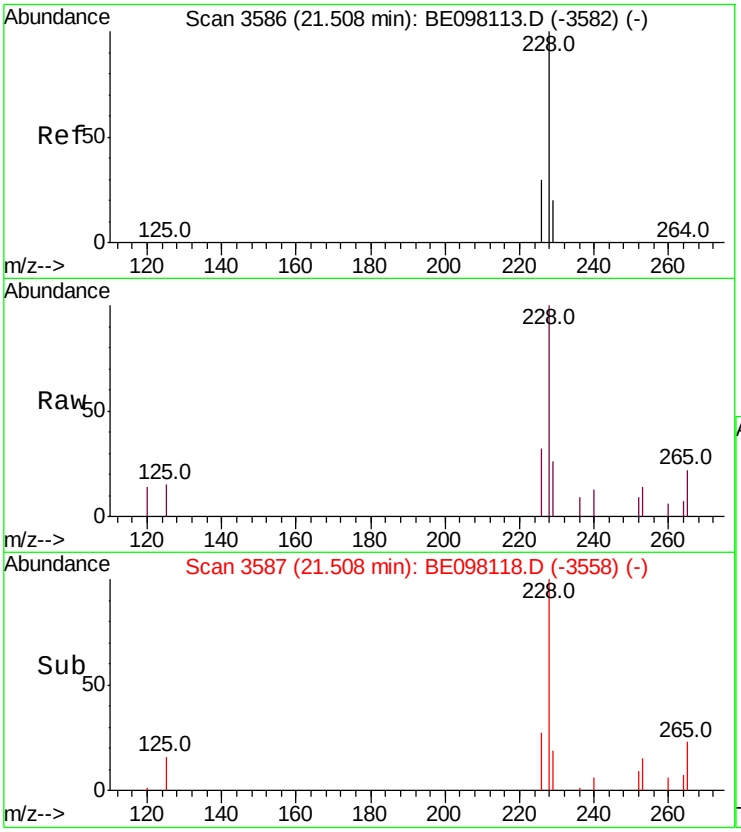




#18
Benzo(a)anthracene
Concen: 0.078 ng/ul m
RT: 21.45 min Scan# 3579
Delta R.T. -0.00 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:228 Resp: 1857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 28.2 | 16.1 | 24.1# |
| 226 | 32.4 | 22.2 | 33.4 |






#19
Chrysene
Concen: 0.075 ng/ul m
RT: 21.51 min Scan# 3587
Delta R.T. -0.00 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:228 Resp: 1377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 24.6 | 37.0 |
| 229 | 25.9 | 16.4 | 24.6# |

**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

**Manual Integrations APPROVED**
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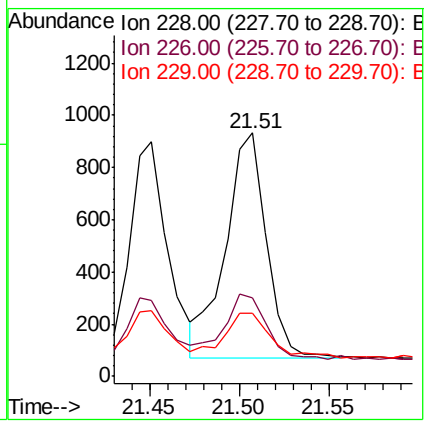
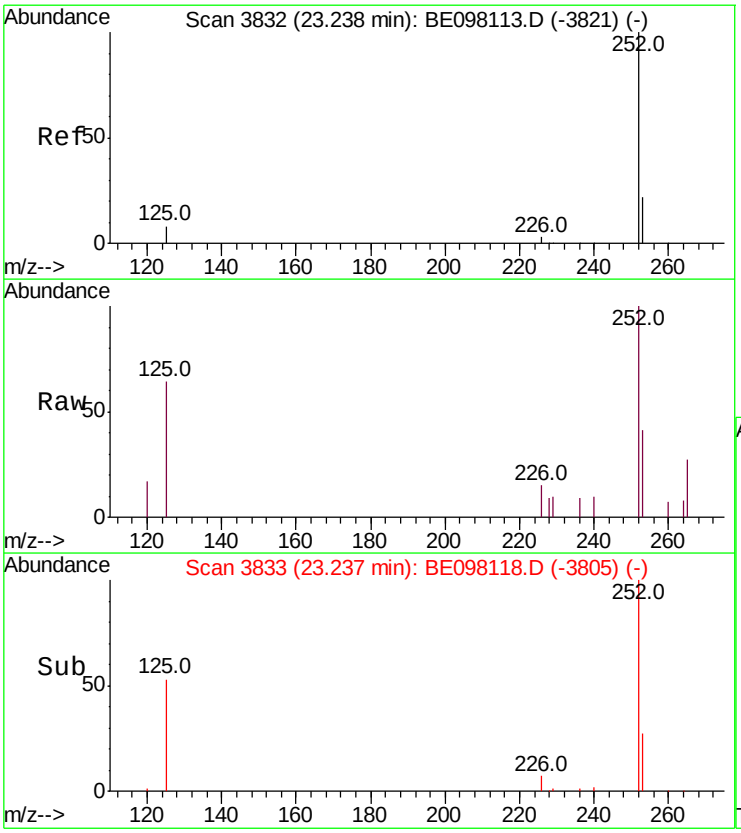
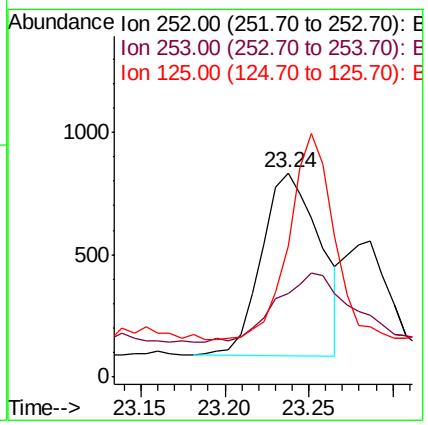


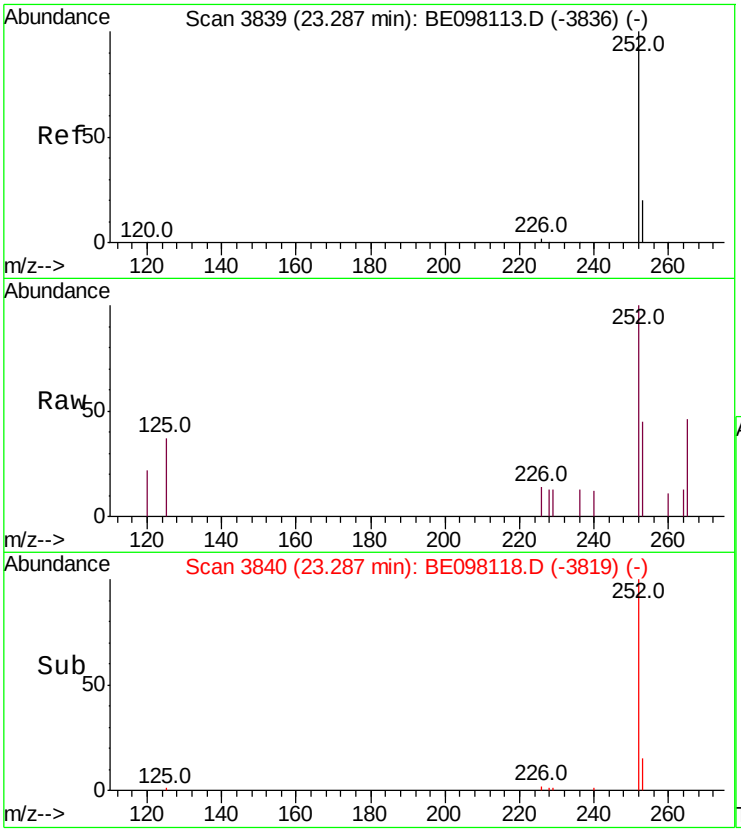




#21
Benzo(b)fluoranthene
Concen: 0.088 ng/ul m
RT: 23.24 min Scan# 3833
Delta R.T. -0.00 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:252 Resp: 1824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 40.6 | 0.0 | 47.8 |
| 125 | 64.0 | 0.0 | 16.8# |






#22
Benzo(k)fluoranthene
Concen: 0.041 ng/ul m
RT: 23.29 min Scan# 3840
Delta R.T. -0.00 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:252 Resp: 841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 45.0 | 19.3 | 28.9# |
| 125 | 36.6 | 6.2 | 9.2# |

**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

**Manual Integrations APPROVED**
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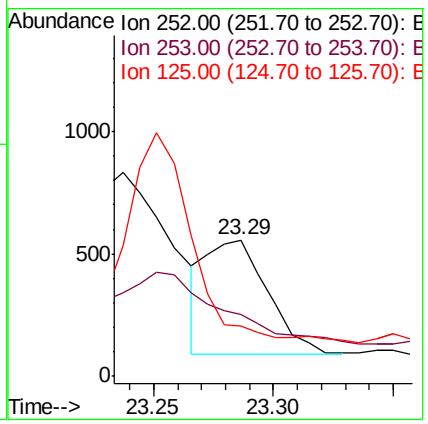
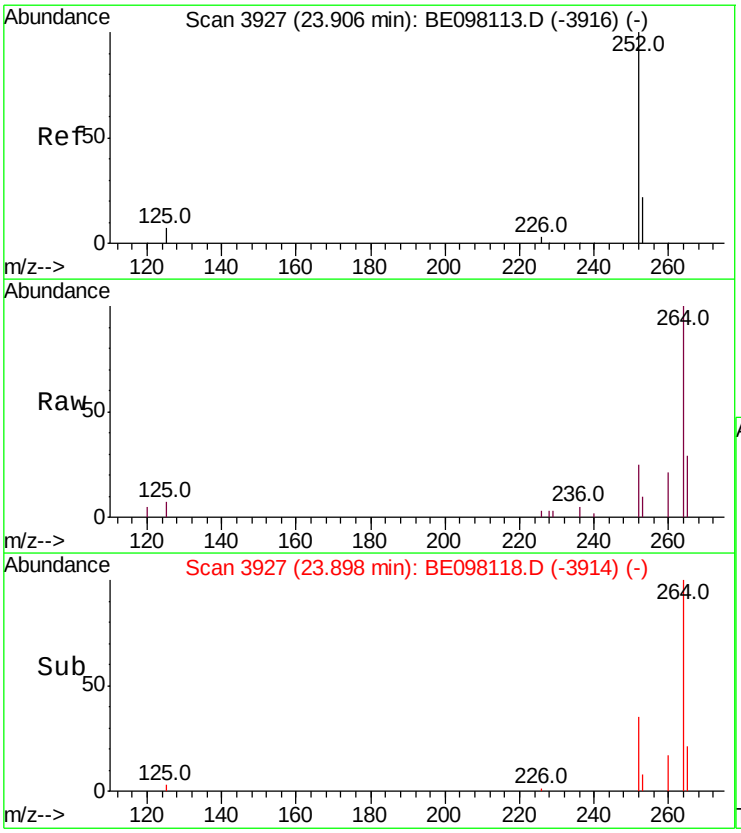
11/1/2018 11:08:00 AM

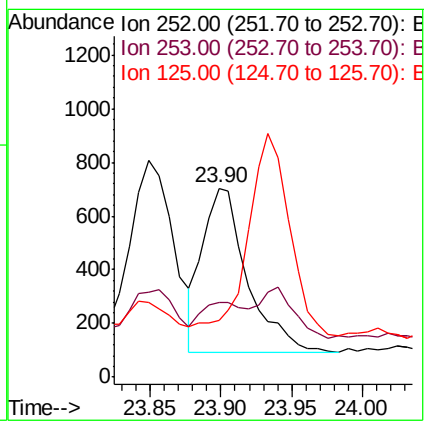


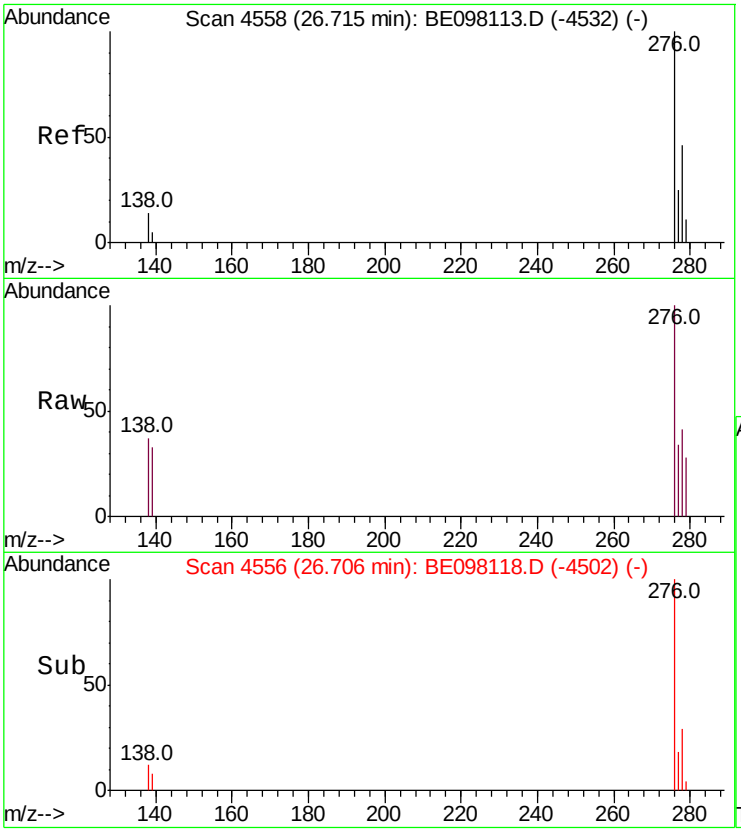




#23
Benzo(a)pyrene
Concen: 0.067 ng/ul
RT: 23.90 min Scan# 3927
Delta R.T. -0.01 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:252 Resp: 1340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 39.3 | 19.4 | 29.2# |
| 125 | 29.9 | 7.8 | 11.8# |





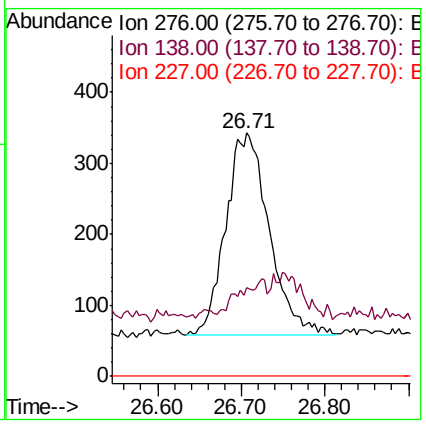

#24
Indeno(1,2,3-cd)pyrene
Concen: 0.045 ng/ul
RT: 26.71 min Scan# 4556
Delta R.T. -0.01 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

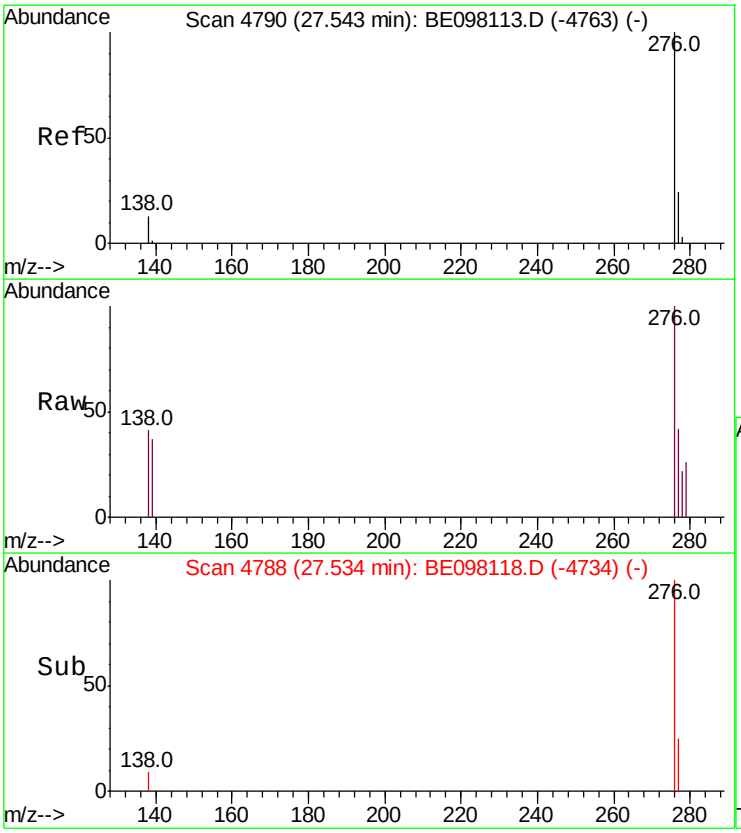
Tgt Ion:276 Resp: 1020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 12.9 | 11.8 | 17.8 |
| 227 | 0.0 | 0.0 | 0.0 |

**Instrument :**
BNA_E
**ClientSampleId :**
A40E6

**Manual Integrations APPROVED**
Sohil
11/1/2018 11:08:00 AM




#26
Benzo(g,h,i)perylene
Concen: 0.043 ng/ul
RT: 27.53 min Scan# 4788
Delta R.T. -0.01 min
Lab File: BE098118.D
Acq: 31 Oct 2018 16:23

Tgt Ion:276 Resp: 831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 41.3 | 11.6 | 17.4# |
| 277 | 42.4 | 20.8 | 31.2# |