Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102518\
Data File : BE098076.D
Acq On : 26 Oct 2018 3:51
Operator : SJ/JU
Sample : J5598-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 26 08:13:14 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 : Fri Oct 26 07:43:08 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.88 | 152 | 1385 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.68 | 136 | 6854 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.54 | 164 | 4957 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.30 | 188 | 11688m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.47 | 240 | 12906m | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 24.03 | 264 | 11871m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.27 | 152 | 2324 | 0.19 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.32 | 212 | 7210m | 0.19 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.73 | 128 | 8578 | 0.523 | ng/ul | 98 |
| 5) 2-Methylnaphthalene | 12.35 | 142 | 1673 | 0.135 | ng/ul | 100 |
| 7) Acenaphthylene | 14.25 | 152 | 7366 | 0.377 | ng/ul | 99 |
| 8) Acenaphthene | 14.60 | 153 | 2079 | 0.142 | ng/ul | 97 |
| 9) Fluorene | 15.59 | 166 | 1007 | 0.057 | ng/ul# | 95 |
| 12) Phenanthrene | 17.33 | 178 | 20625m | 0.765 | ng/ul | |
| 13) Anthracene | 17.42 | 178 | 10368m | 0.389 | ng/ul | |
| 15) Fluoranthene | 19.35 | 202 | 171470m | 4.986 | ng/ul | |
| 17) Pyrene | 19.72 | 202 | 209841 | 6.964 | ng/ul | 97 |
| 18) Benzo(a)anthracene | 21.45 | 228 | 191715m | 5.052 | ng/ul | |
| 19) Chrysene | 21.51 | 228 | 135477m | 4.615 | ng/ul | |
| 21) Benzo(b)fluoranthene | 23.25 | 252 | 292487m | 8.893 | ng/ul | |
| 22) Benzo(k)fluoranthene | 23.29 | 252 | 91690m | 2.848 | ng/ul | |
| 23) Benzo(a)pyrene | 23.91 | 252 | 119561m | 3.780 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.72 | 276 | 98517m | 2.718 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.73 | 278 | 27190m | 0.900 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 27.55 | 276 | 67722m | 2.219 | ng/ul | |

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

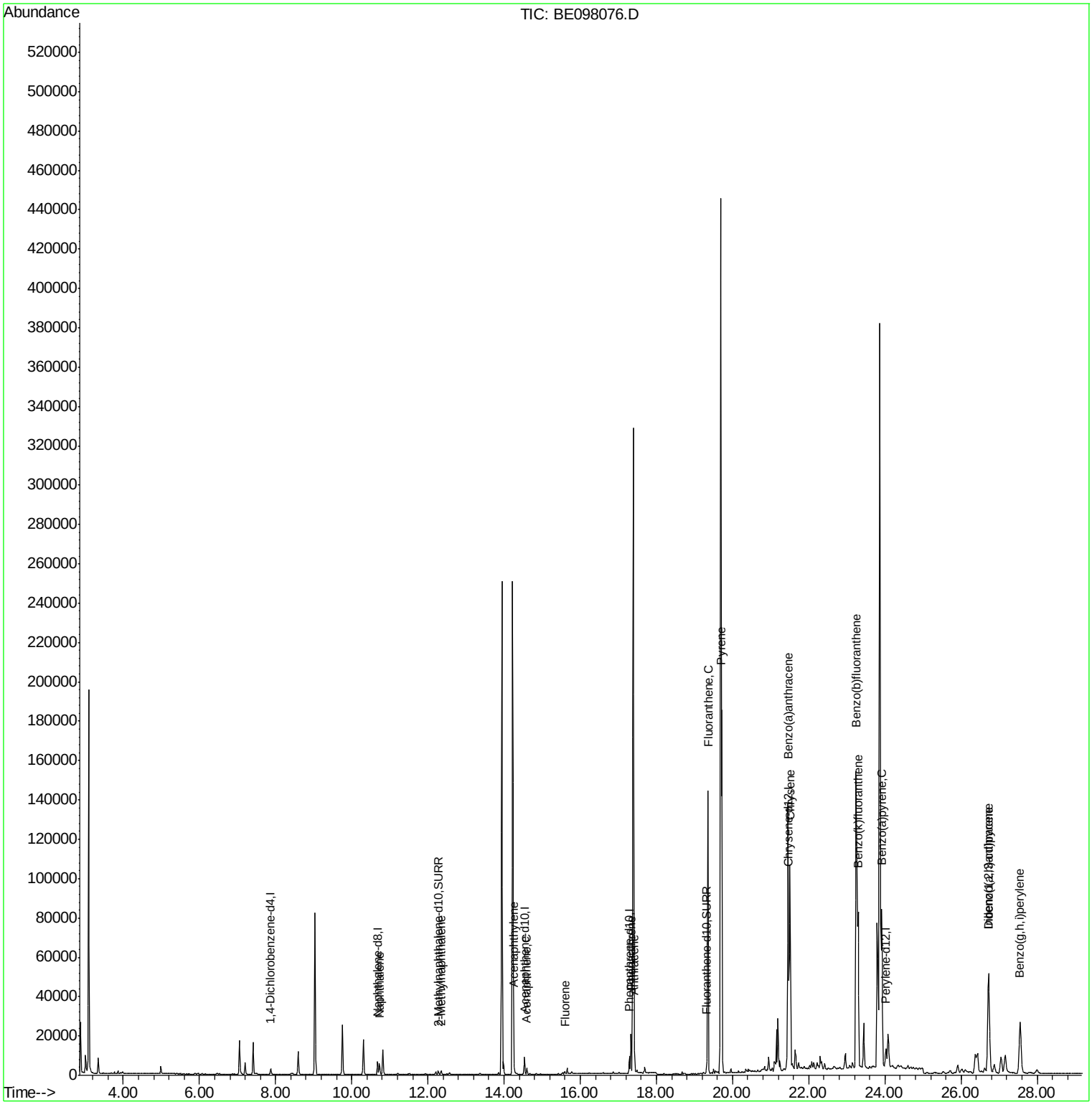
Quantitation Report (QT Reviewed)

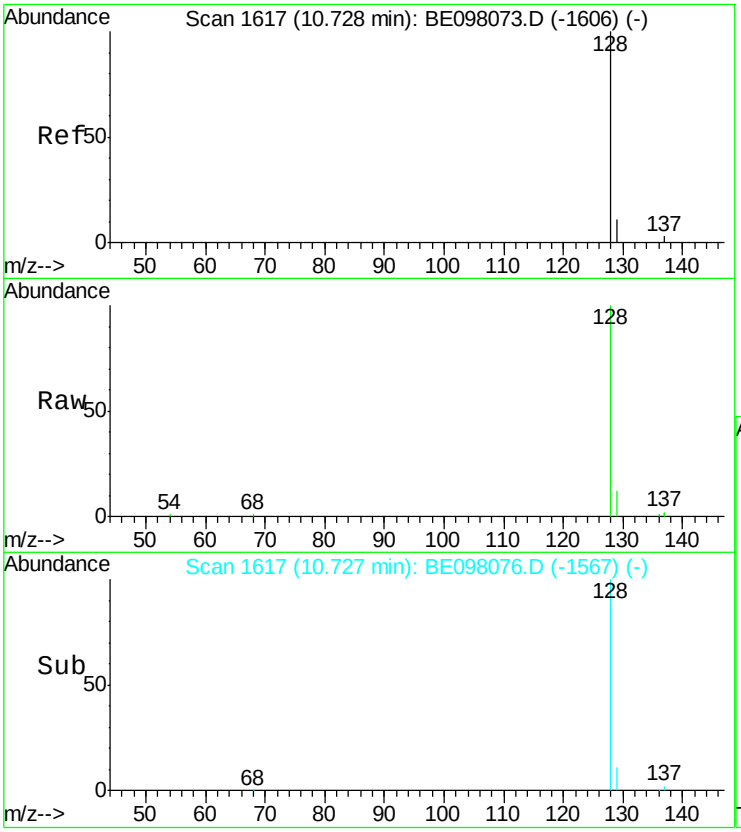
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102518\
Data File : BE098076.D
Acq On : 26 Oct 2018 3:51
Operator : SJ/JU
Sample : J5598-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Oct 26 08:13:14 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 : Fri Oct 26 07:43:08 2018
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

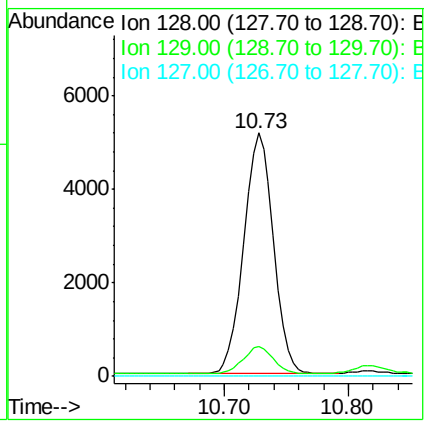





#3
Naphthalene
Concen: 0.523 ng/ul
RT: 10.73 min Scan# 1617
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

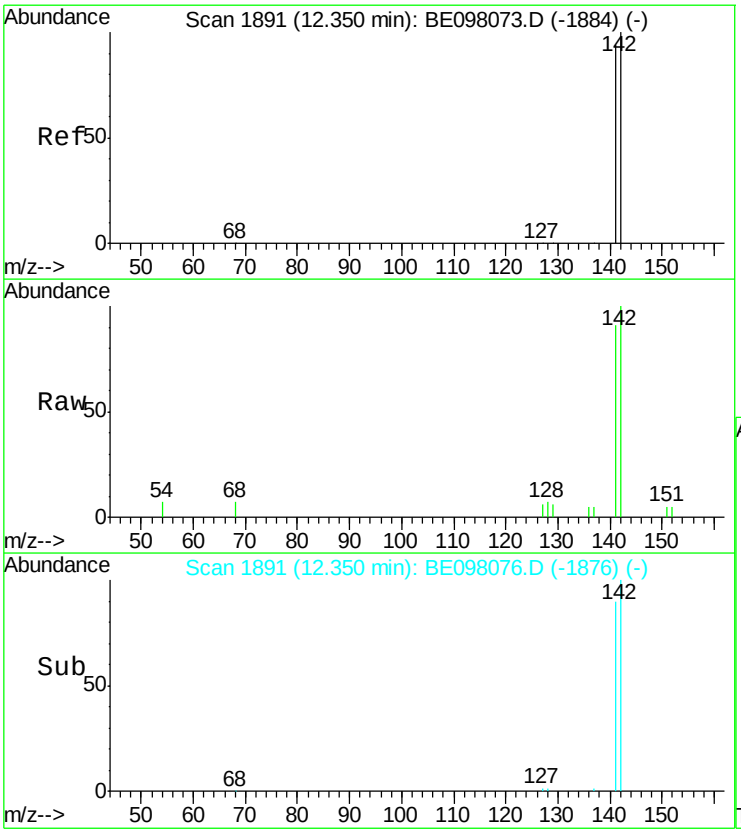
Tgt Ion:128 Resp: 8578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.4 | 10.5 | 15.7 |
| 127 | 0.0 | 0.0 | 0.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

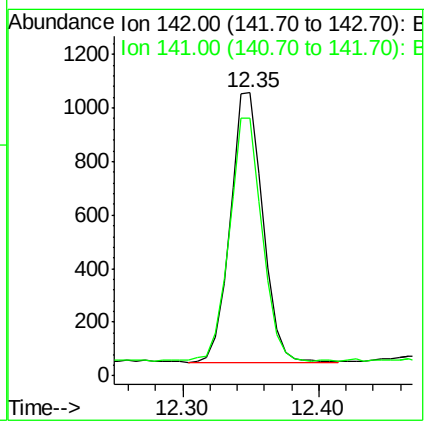
**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

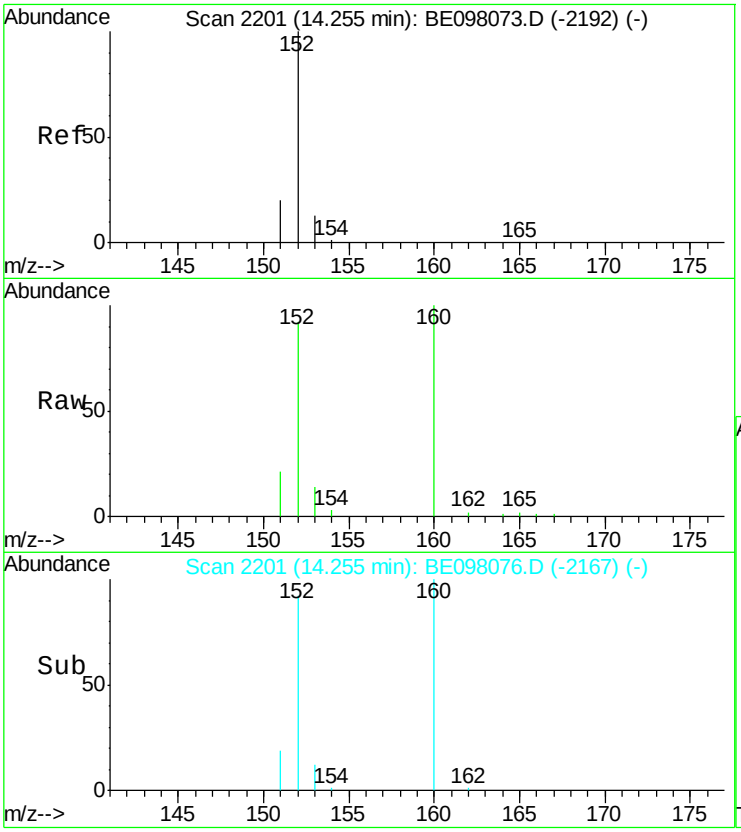



#5
2-Methylnaphthalene
Concen: 0.135 ng/ul
RT: 12.35 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:142 Resp: 1673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.6 | 72.5 | 108.7 |

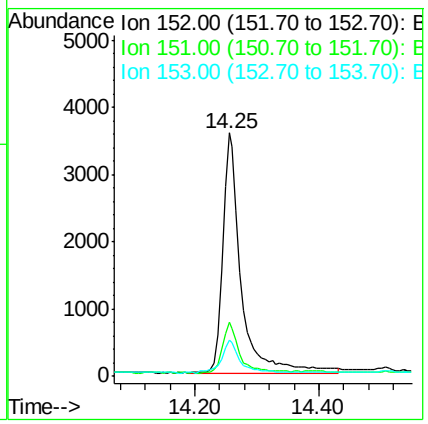





#7
Acenaphthylene
Concen: 0.377 ng/ul
RT: 14.25 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

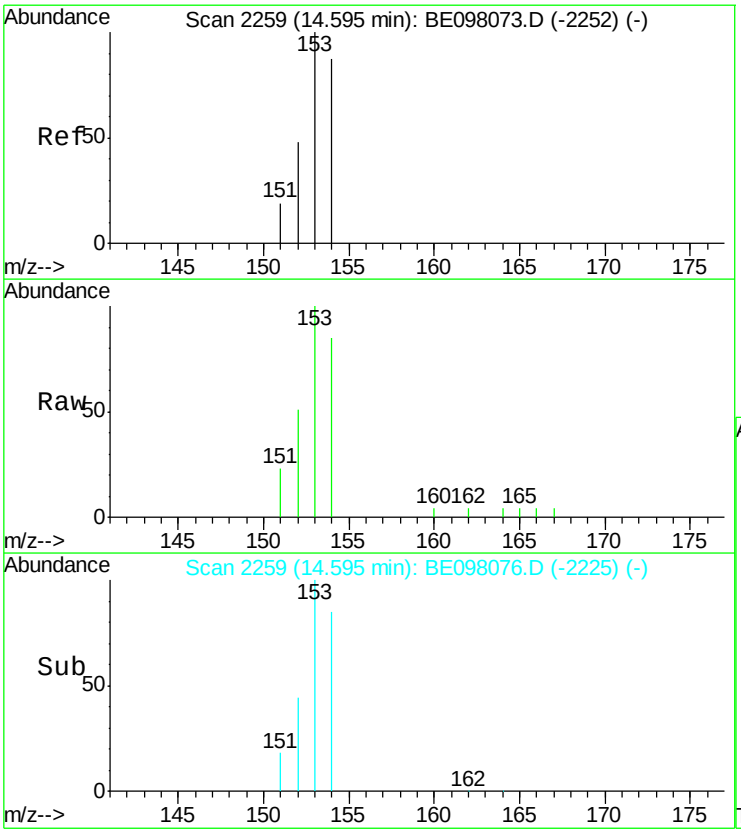
Tgt Ion:152 Resp: 7366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.4 | 17.3 | 25.9 |
| 153 | 14.8 | 11.9 | 17.9 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

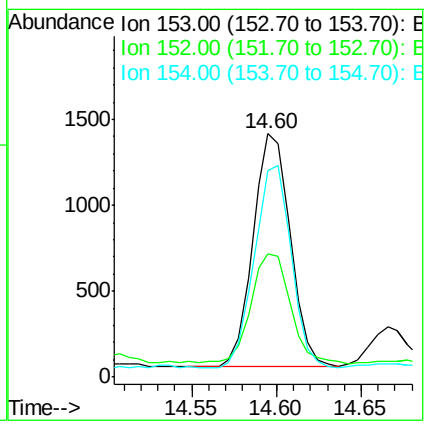
**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

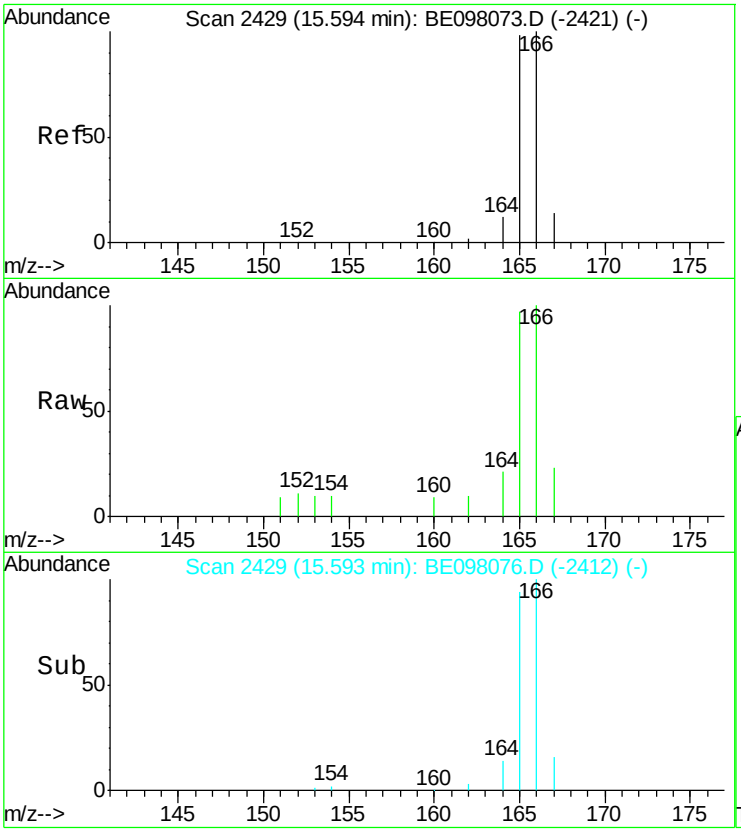



#8
Acenaphthene
Concen: 0.142 ng/ul
RT: 14.60 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:153 Resp: 2079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.6 | 39.4 | 59.0 |
| 154 | 84.9 | 70.5 | 105.7 |

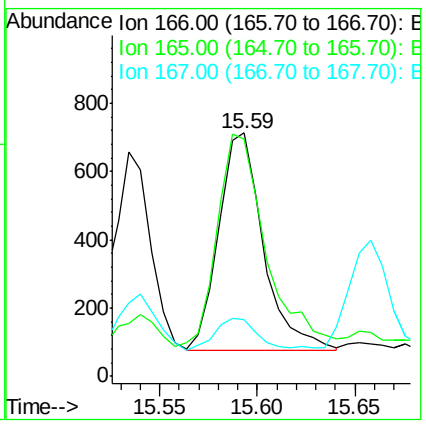





#9
Fluorene
Concen: 0.057 ng/ul
RT: 15.59 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

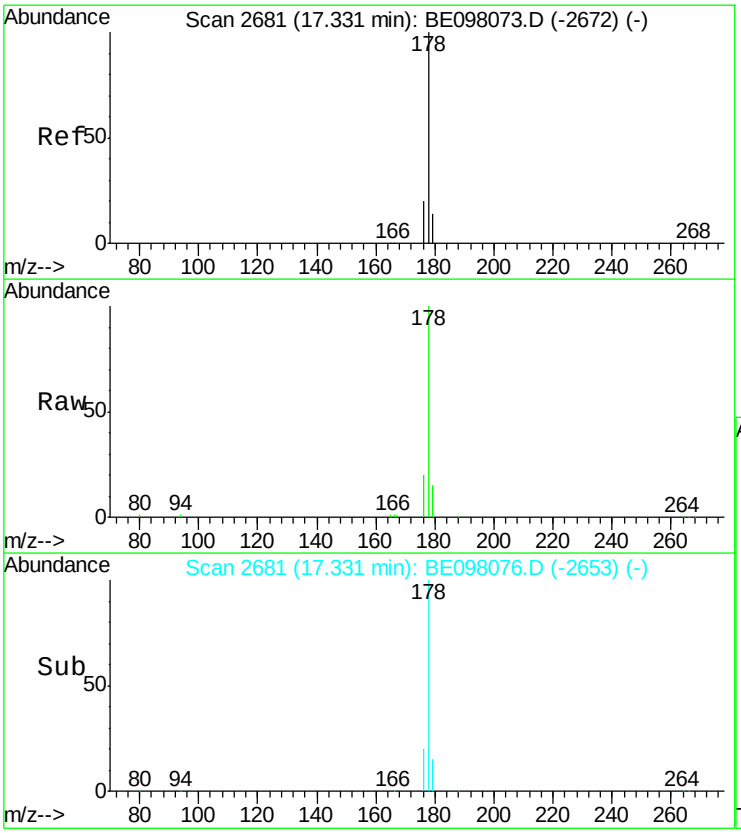
Tgt Ion:166 Resp: 1007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 80.2 | 120.4 |
| 167 | 23.1 | 12.0 | 18.0# |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

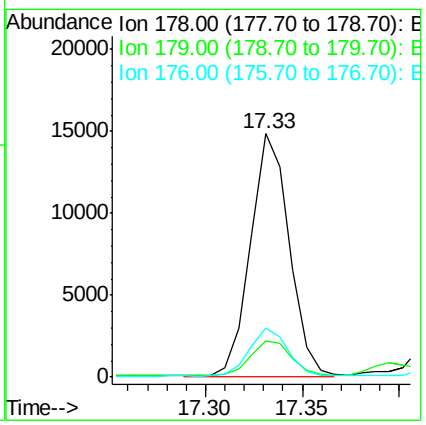
**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

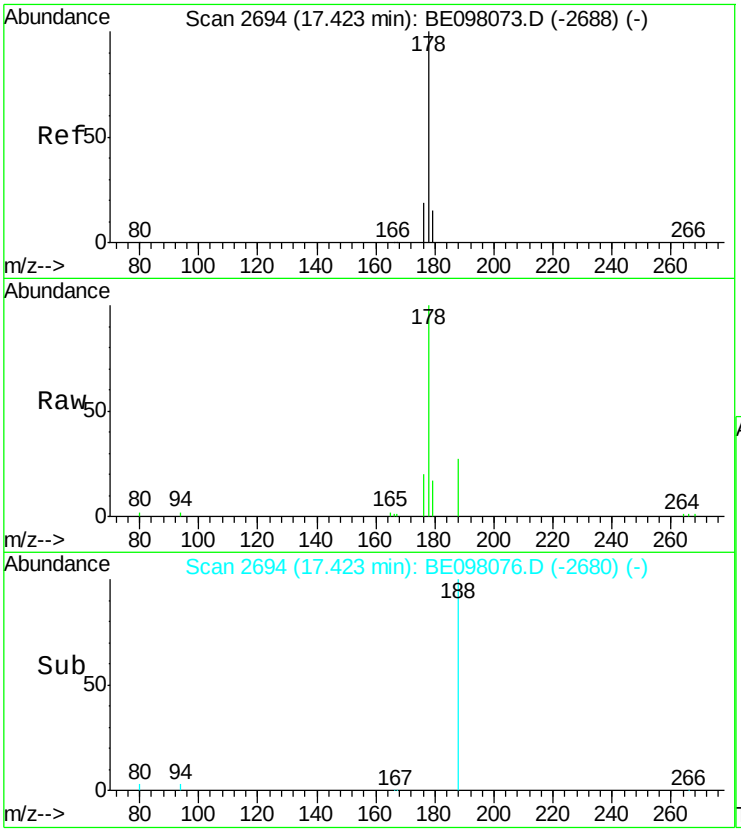



#12
Phenanthrene
Concen: 0.765 ng/ul m
RT: 17.33 min Scan# 2681
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:178 Resp: 20625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.1 | 13.0 | 19.4 |
| 176 | 20.2 | 15.7 | 23.5 |

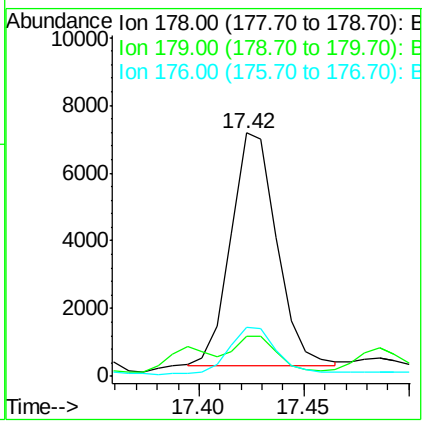





#13
Anthracene
Concen: 0.389 ng/ul m
RT: 17.42 min Scan# 2694
Delta R.T. -0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

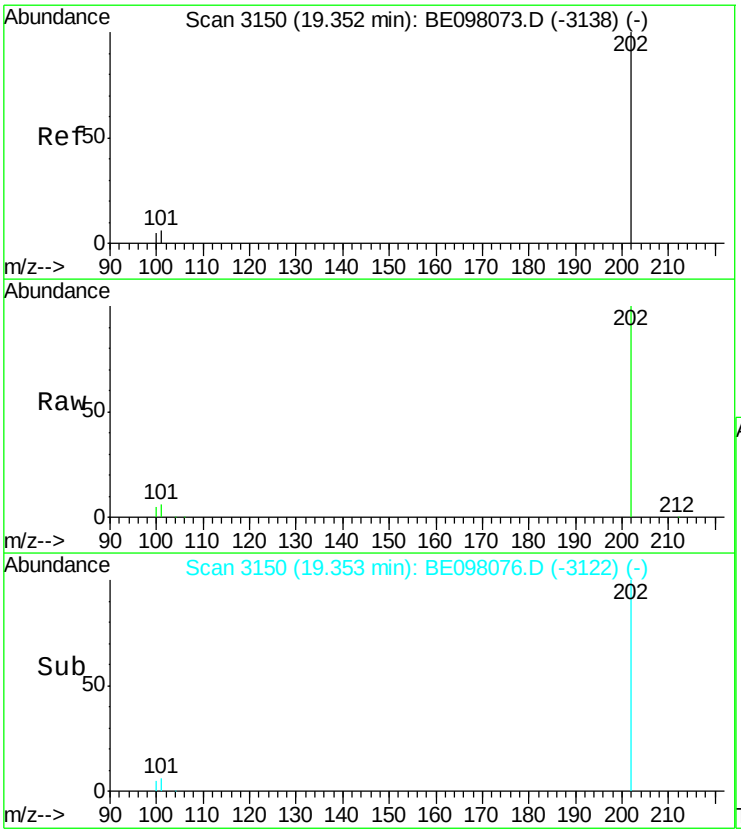
Tgt Ion:178 Resp: 10368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.7 | 12.6 | 19.0 |
| 176 | 20.0 | 15.6 | 23.4 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

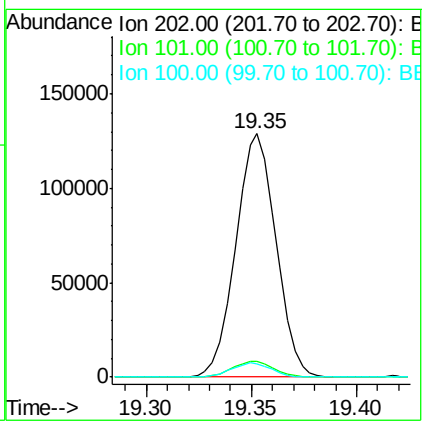
**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

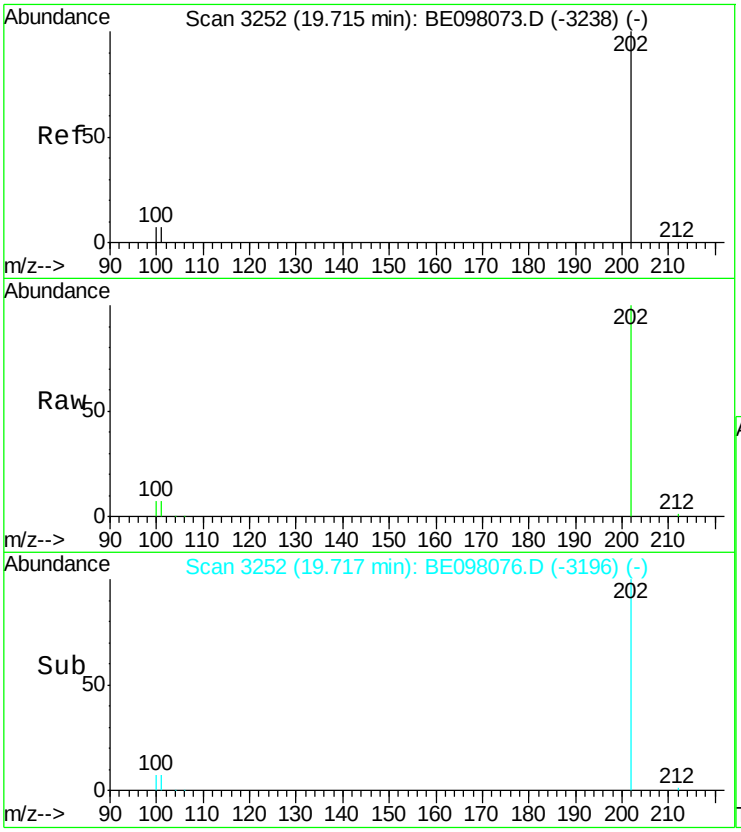



#15
Fluoranthene
Concen: 4.986 ng/ul m
RT: 19.35 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:202 Resp: 171470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.4 | 0.0 | 27.5 |
| 100 | 5.4 | 0.0 | 26.0 |

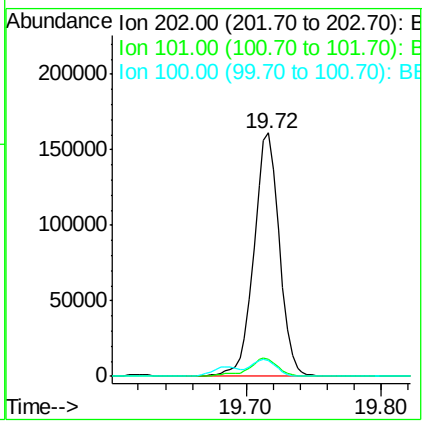





#17
Pyrene
Concen: 6.964 ng/ul
RT: 19.72 min Scan# 3252
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

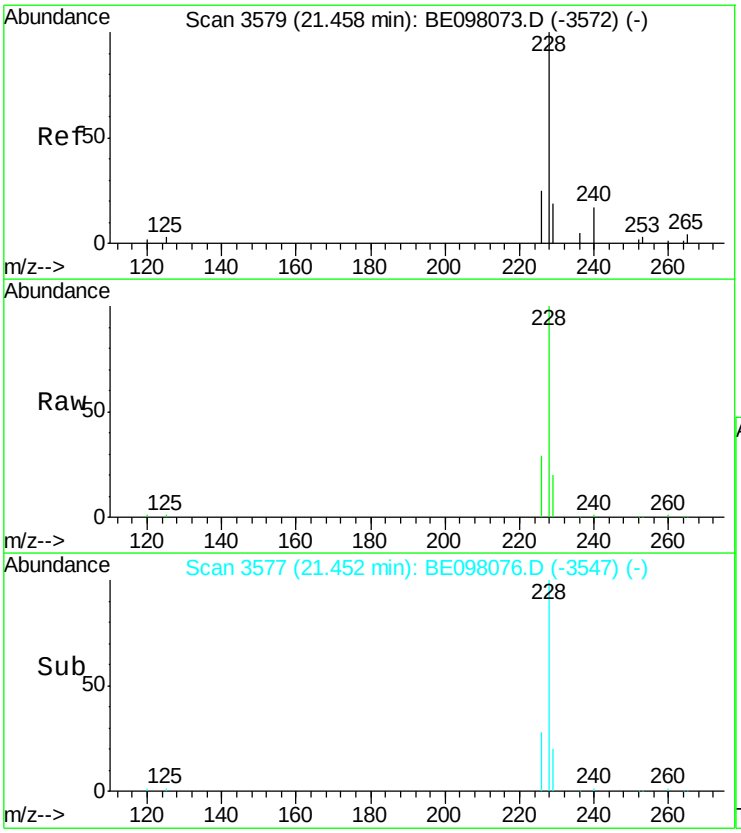
Tgt Ion:202 Resp: 209841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.0 | 6.9 | 10.3 |
| 100 | 6.6 | 6.0 | 9.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

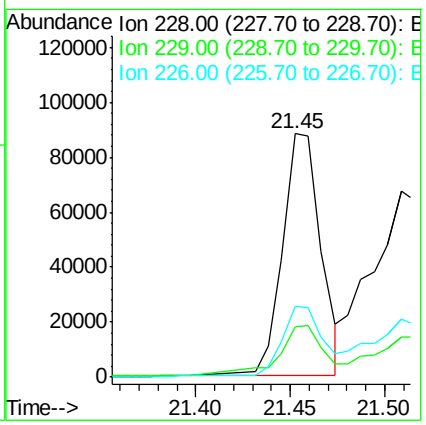
**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

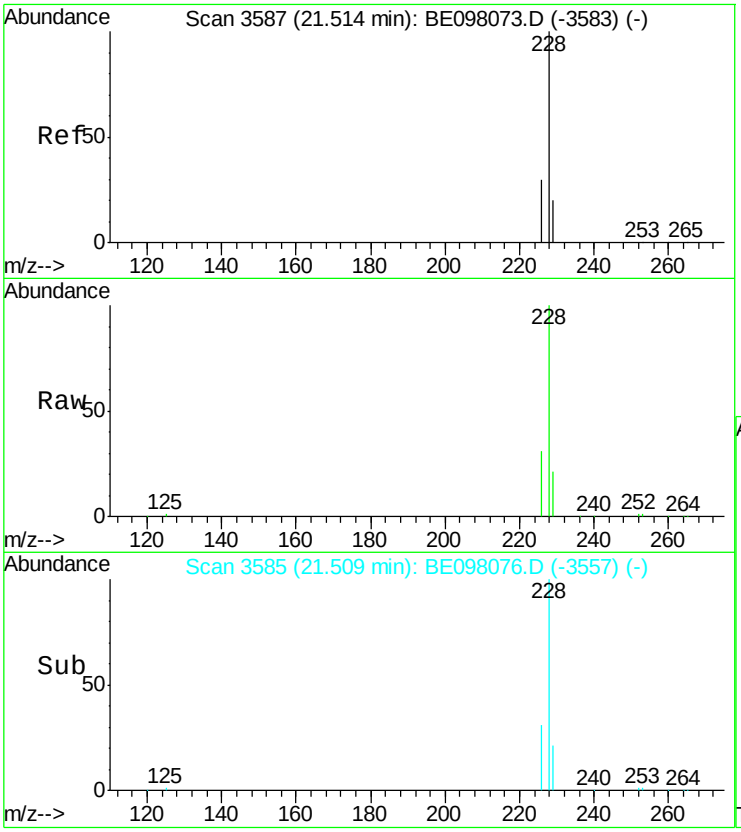



#18
Benzo(a)anthracene
Concen: 5.052 ng/ul m
RT: 21.45 min Scan# 3577
Delta R.T. -0.01 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:228 Resp: 191715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.5 | 16.1 | 24.1 |
| 226 | 28.8 | 22.2 | 33.4 |

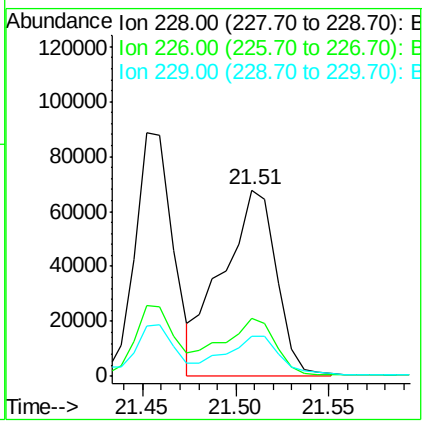





#19
Chrysene
Concen: 4.615 ng/ul m
RT: 21.51 min Scan# 3585
Delta R.T. -0.01 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

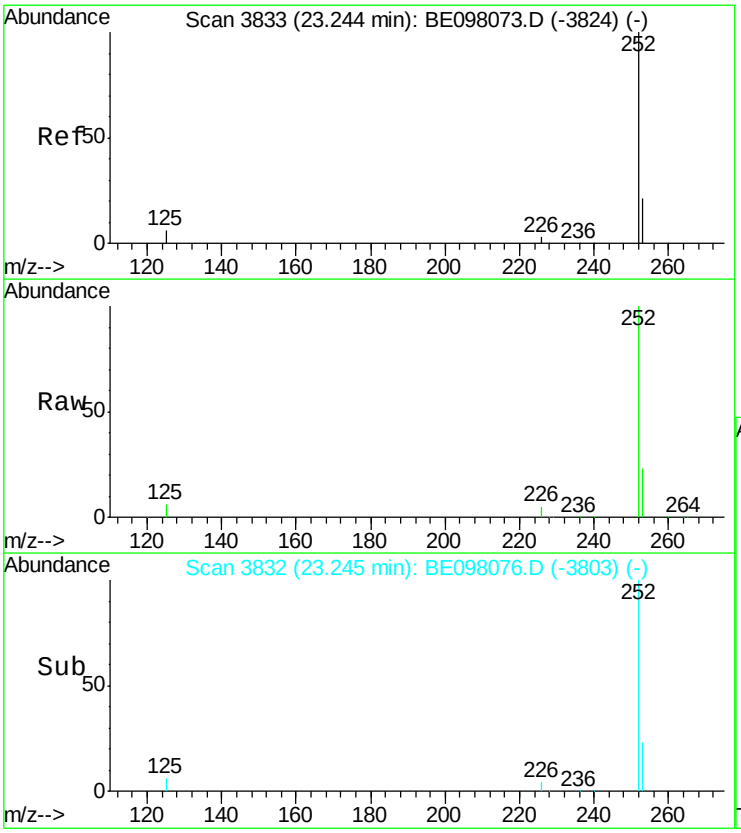
Tgt Ion:228 Resp: 135477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 24.6 | 37.0 |
| 229 | 21.5 | 16.4 | 24.6 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

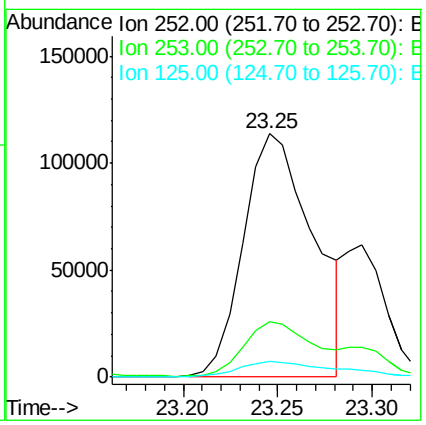
**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

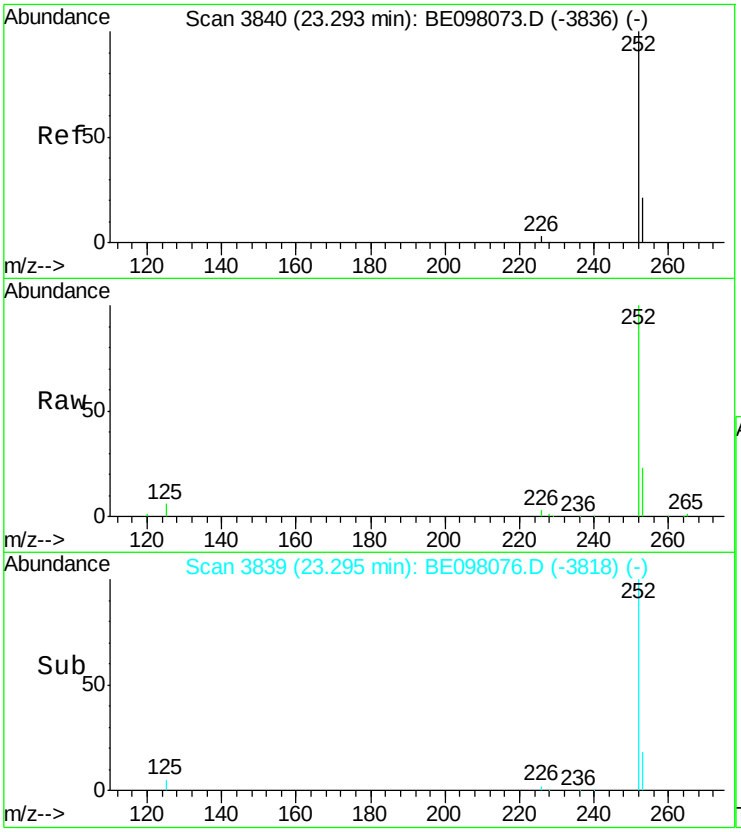



#21
Benzo(b)fluoranthene
Concen: 8.893 ng/ul m
RT: 23.25 min Scan# 3832
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:252 Resp: 292487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 0.0 | 47.8 |
| 125 | 6.2 | 0.0 | 16.8 |





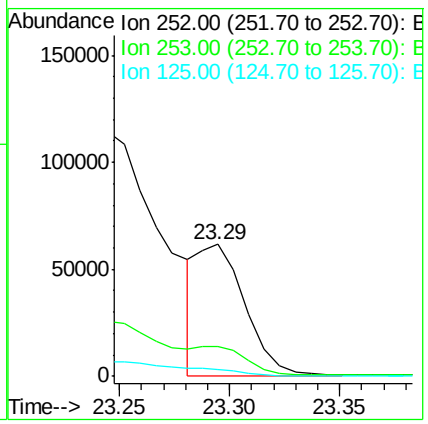

#22
Benzo(k)fluoranthene
Concen: 2.848 ng/ul m
RT: 23.29 min Scan# 3839
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

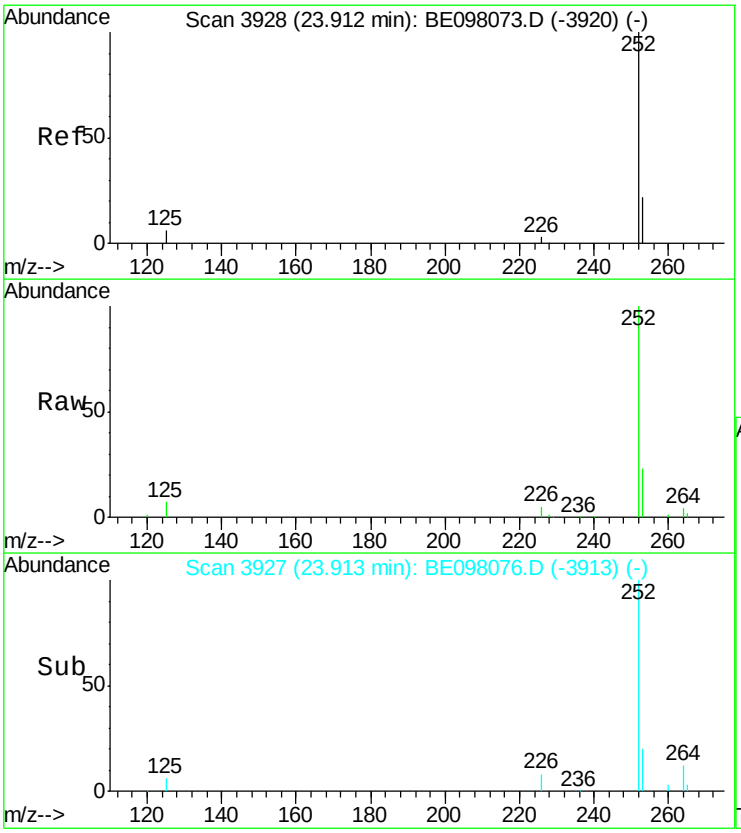
Tgt Ion:252 Resp: 91690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 19.3 | 28.9 |
| 125 | 5.6 | 6.2 | 9.2# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

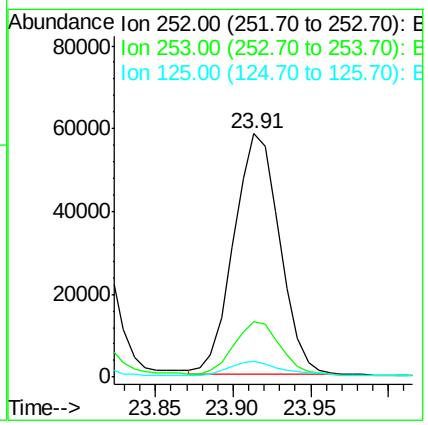


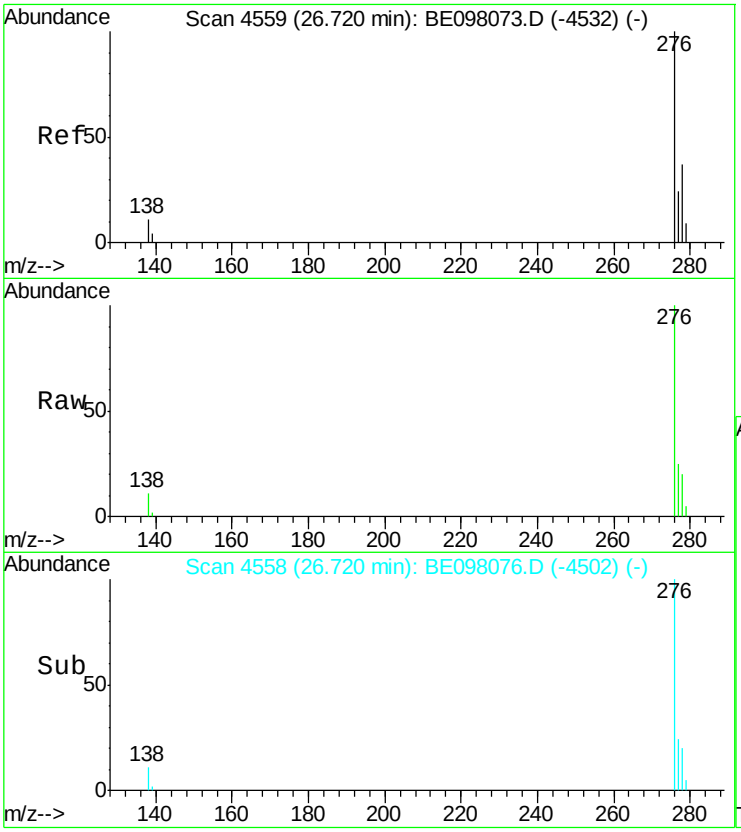




#23
Benzo(a)pyrene
Concen: 3.780 ng/ul m
RT: 23.91 min Scan# 3927
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:252 Resp: 119561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 19.4 | 29.2 |
| 125 | 6.6 | 7.8 | 11.8# |





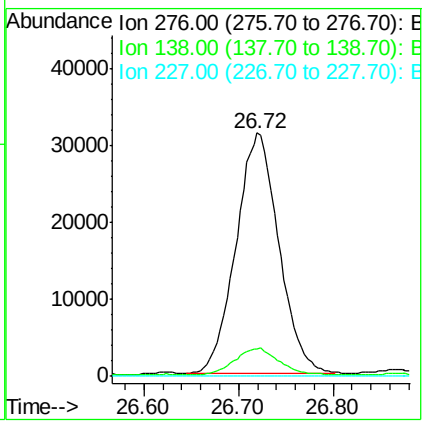

#24
Indeno(1,2,3-cd)pyrene
Concen: 2.718 ng/ul m
RT: 26.72 min Scan# 4558
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

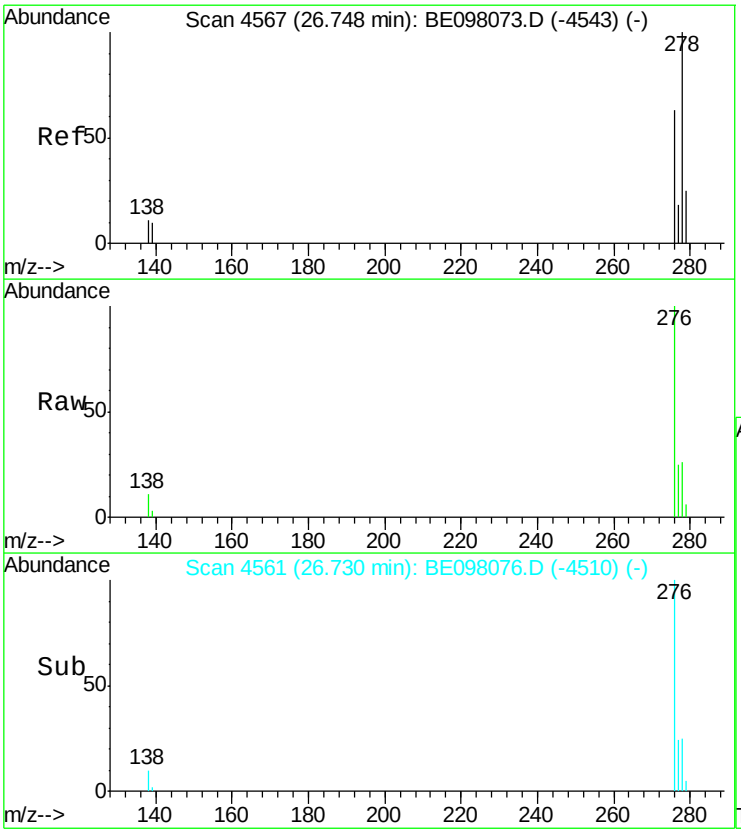
Tgt Ion:276 Resp: 98517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 1.2 | 11.8 | 17.8# |
| 227 | 0.0 | 0.0 | 0.0 |

**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM

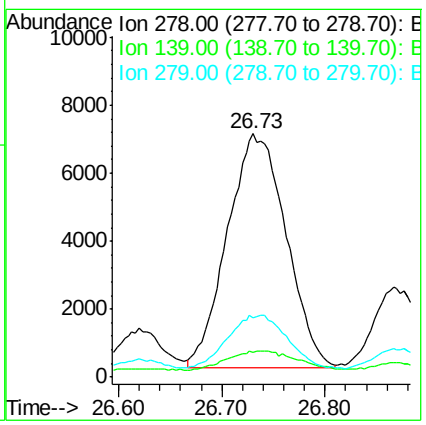


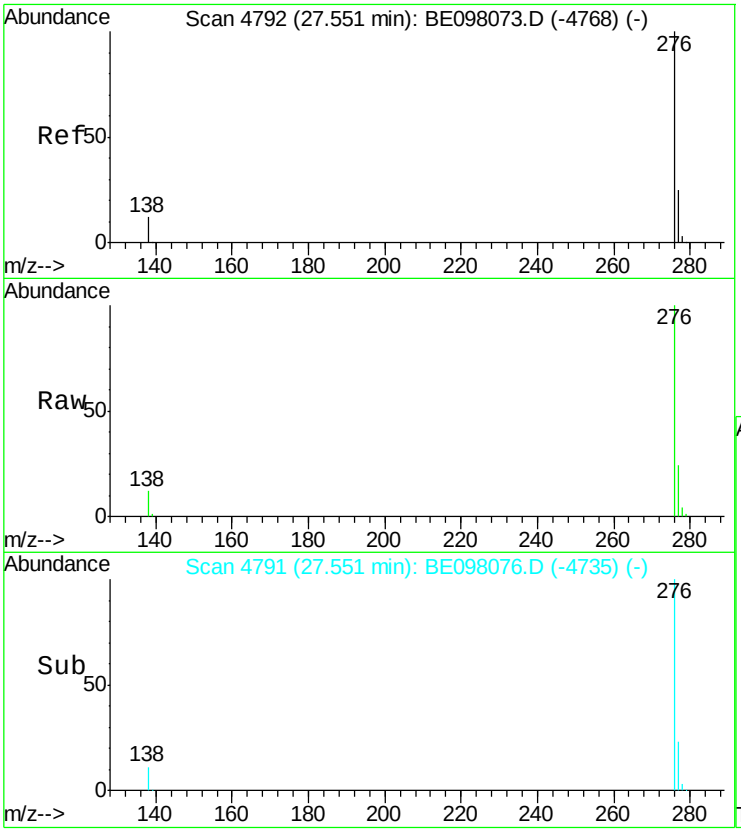




#25
Dibenzo(a,h)anthracene
Concen: 0.900 ng/ul m
RT: 26.73 min Scan# 4561
Delta R.T. -0.02 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:278 Resp: 27190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 10.2 | 10.0 | 15.0 |
| 279 | 24.4 | 20.3 | 30.5 |

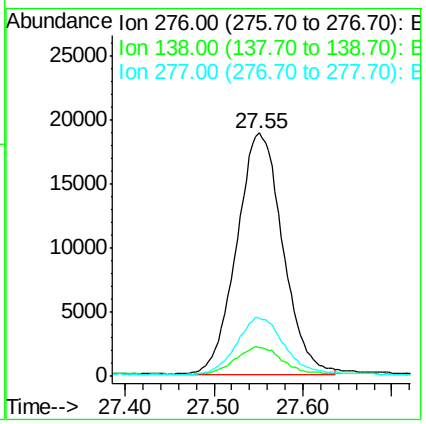





#26
Benzo(g,h,i)perylene
Concen: 2.219 ng/ul m
RT: 27.55 min Scan# 4791
Delta R.T. 0.00 min
Lab File: BE098076.D
Acq: 26 Oct 2018 3:51

Tgt Ion:276 Resp: 67722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.6 | 11.6 | 17.4# |
| 277 | 24.1 | 20.8 | 31.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0AE8

**Manual Integrations APPROVED**
Sohil
10/26/2018 3:47:53 PM