Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE121917\
Data File : BE095029.D
Acq On : 19 Dec 2017 13:14
Operator : SJ/JU
Sample : PB105118BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

Quant Time: Dec 20 01:09:57 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.46 | 152 | 6923 | 0.40 | ng | | -0.01 |
| 7) Naphthalene-d8 | 11.31 | 136 | 14595 | 0.40 | ng | | -0.02 |
| 13) Acenaphthene-d10 | 15.05 | 164 | 7214 | 0.40 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.74 | 188 | 16573 | 0.40 | ng | | -0.03 |
| 27) Chrysene-d12 | 21.84 | 240 | 17274 | 0.40 | ng | | -0.03 |
| 34) Perylene-d12 | 24.50 | 264 | 14521 | 0.40 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.94 | 112 | 3147 | 0.29 | ng | | -0.01 |
| 5) Phenol-d6 | 7.58 | 99 | 4382 | 0.27 | ng | | -0.01 |
| 8) Nitrobenzene-d5 | 9.63 | 82 | 4214 | 0.35 | ng | | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.84 | 152 | 6970 | 0.29 | ng | | -0.02 |
| 14) 2,4,6-Tribromophenol | 16.50 | 330 | 511 | 0.30 | ng | | -0.03 |
| 15) 2-Fluorobiphenyl | 13.68 | 172 | 10678 | 0.33 | ng | | -0.01 |
| 25) Fluoranthene-d10 | 19.73 | 212 | 62220 | 0.29 | ng | | -0.02 |
| 29) Terphenyl-d14 | 20.28 | 244 | 12116 | 0.37 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.66 | 88 | 1922 | 0.282 | ng | # | 64 |
| 3) n-Nitrosodimethylamine | 4.01 | 42 | 2204 | 0.273 | ng | | 96 |
| 6) bis(2-Chloroethyl)ether | 7.85 | 93 | 4104 | 0.263 | ng | | 96 |
| 9) Naphthalene | 11.36 | 128 | 46342 | 0.270 | ng | | 100 |
| 10) Hexachlorobutadiene | 11.61 | 225 | 2120 | 0.272 | ng | | 98 |
| 12) 2-Methylnaphthalene | 12.91 | 142 | 7744m | 0.181 | ng | | |
| 16) Acenaphthylene | 14.76 | 152 | 10054 | 0.261 | ng | | 100 |
| 17) Acenaphthene | 15.11 | 154 | 6769 | 0.265 | ng | | 98 |
| 18) Fluorene | 16.07 | 166 | 8517 | 0.268 | ng | # | 79 |
| 20) 4-Bromophenyl-phenylether | 16.94 | 248 | 2710 | 0.279 | ng | | 86 |
| 21) Hexachlorobenzene | 17.06 | 284 | 2625 | 0.265 | ng | # | 83 |
| 22) Pentachlorophenol | 17.40 | 266 | 1159m | 0.551 | ng | | |
| 23) Phenanthrene | 17.79 | 178 | 14440 | 0.280 | ng | | 99 |
| 24) Anthracene | 17.88 | 178 | 12528m | 0.236 | ng | | |
| 26) Fluoranthene | 19.75 | 202 | 17124 | 0.269 | ng | | 99 |
| 28) Pyrene | 20.11 | 202 | 19524 | 0.334 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.82 | 228 | 15590 | 0.309 | ng | # | 62 |
| 31) Chrysene | 21.89 | 228 | 17968 | 0.316 | ng | # | 63 |
| 32) Bis(2-ethylhexyl)phthalate | 21.71 | 149 | 17732 | 0.276 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 27.34 | 276 | 14608 | 0.316 | ng | | 98 |
| 35) Benzo(b)fluoranthene | 23.67 | 252 | 15318 | 0.287 | ng | # | 91 |
| 36) Benzo(k)fluoranthene | 23.73 | 252 | 14418 | 0.267 | ng | # | 92 |
| 37) Benzo(a)pyrene | 24.38 | 252 | 13543 | 0.286 | ng | | 94 |
| 38) Dibenzo(a,h)anthracene | 27.37 | 278 | 11756 | 0.268 | ng | | 96 |
| 39) Benzo(g,h,i)perylene | 28.22 | 276 | 12785 | 0.293 | ng | # | 96 |

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

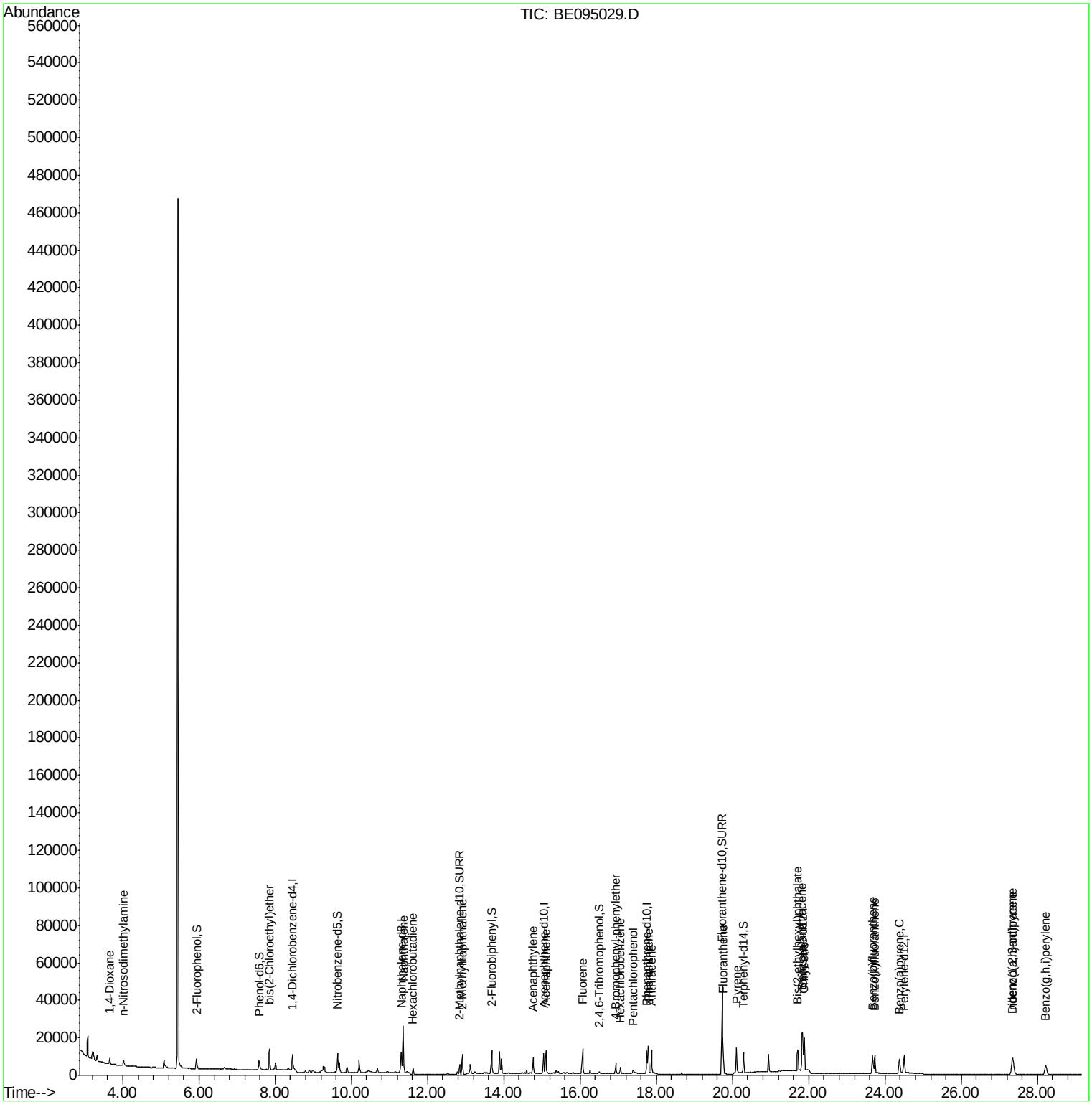
Quantitation Report (QT Reviewed)

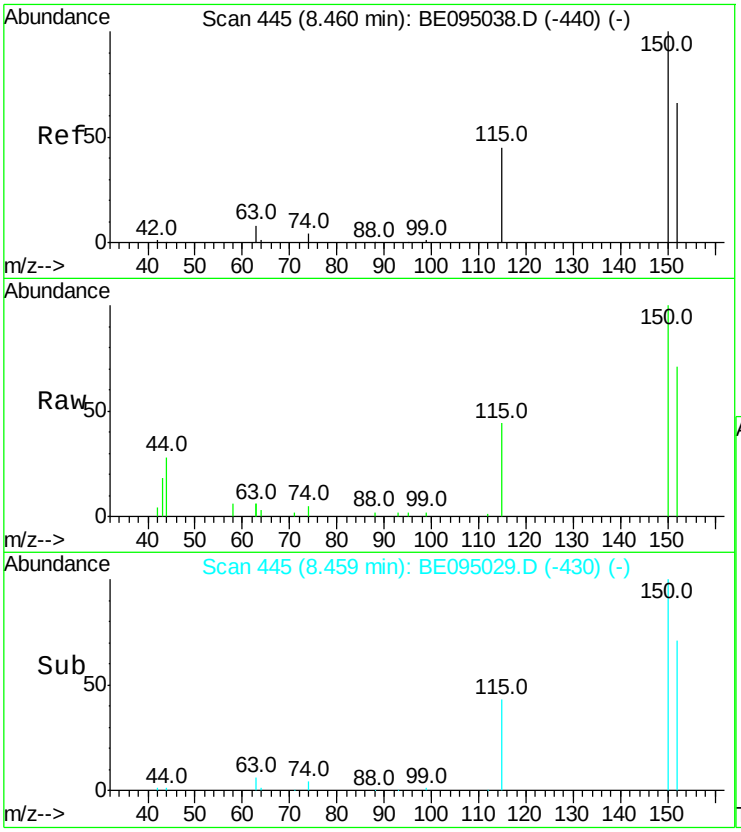
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE121917\
Data File : BE095029.D
Acq On : 19 Dec 2017 13:14
Operator : SJ/JU
Sample : PB105118BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 20 01:09:57 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

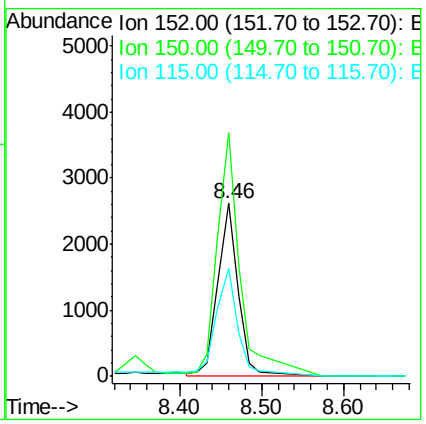





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

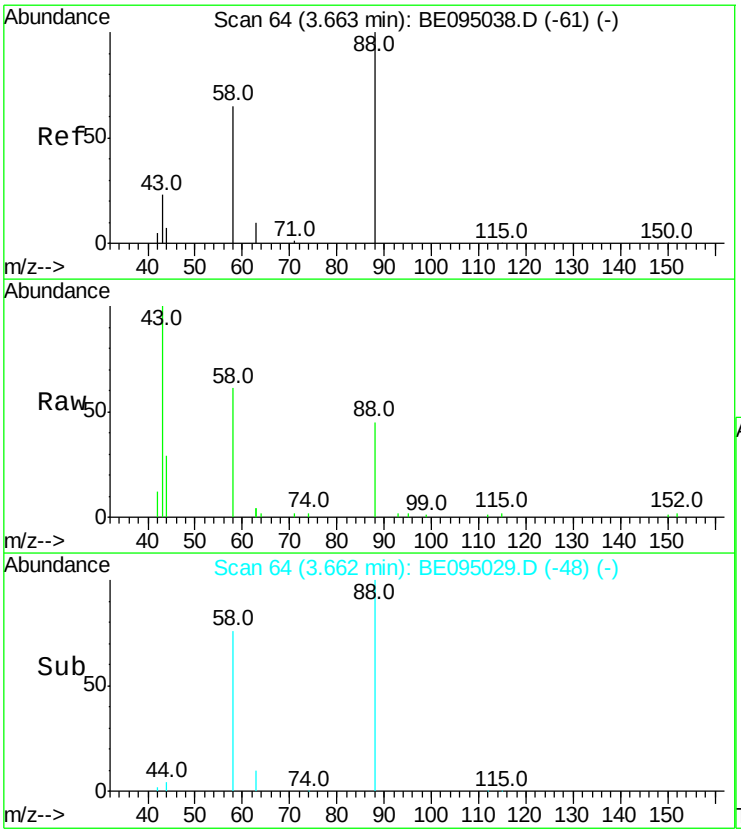
Tgt Ion:152 Resp: 6923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 140.8 | 117.2 | 175.8 |
| 115 | 62.2 | 57.0 | 85.6 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

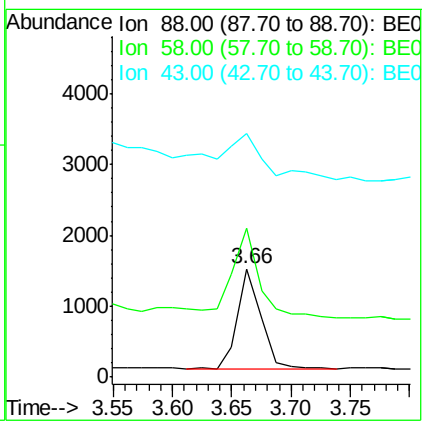
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

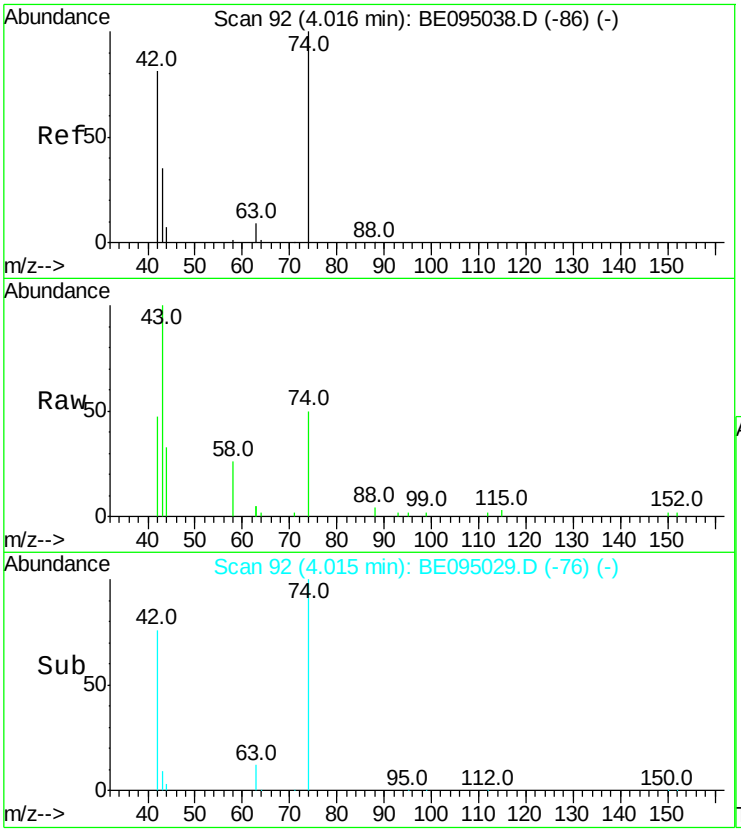



#2
1,4-Dioxane
Concen: 0.282 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion: 88 Resp: 1922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 115.7 | 63.2 | 94.8# |
| 43 | 71.1 | 41.2 | 61.8# |

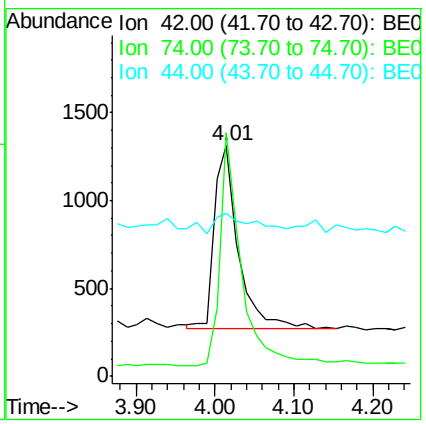





#3
n-Nitrosodimethylamine
Concen: 0.273 ng
RT: 4.01 min Scan# 92
Delta R.T. 0.00 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

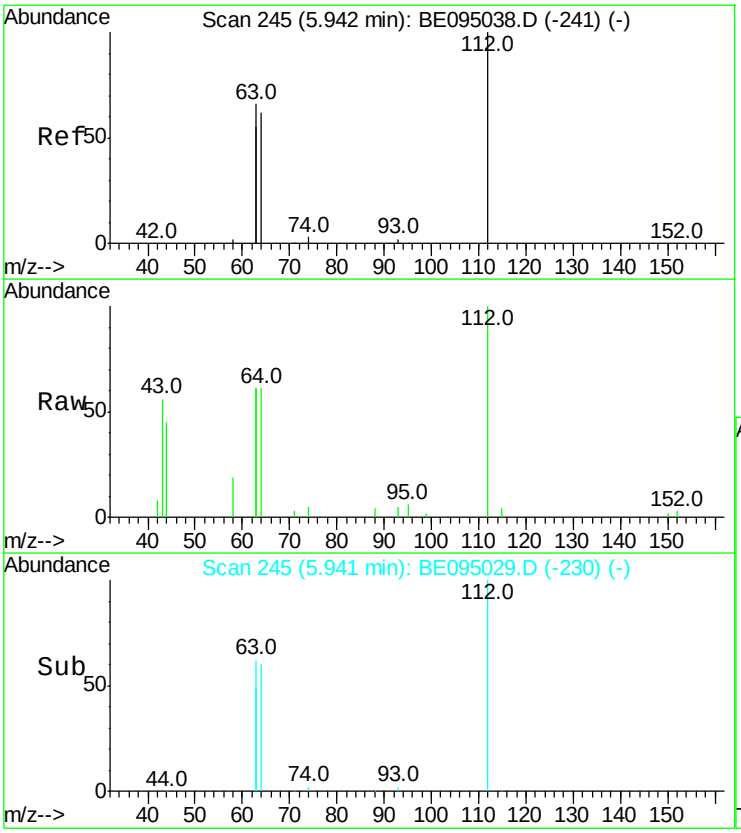
Tgt Ion: 42 Resp: 2204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 114.4 | 96.0 | 144.0 |
| 44 | 14.9 | 12.0 | 18.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

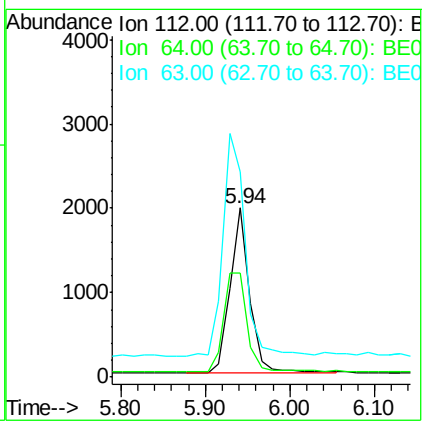
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

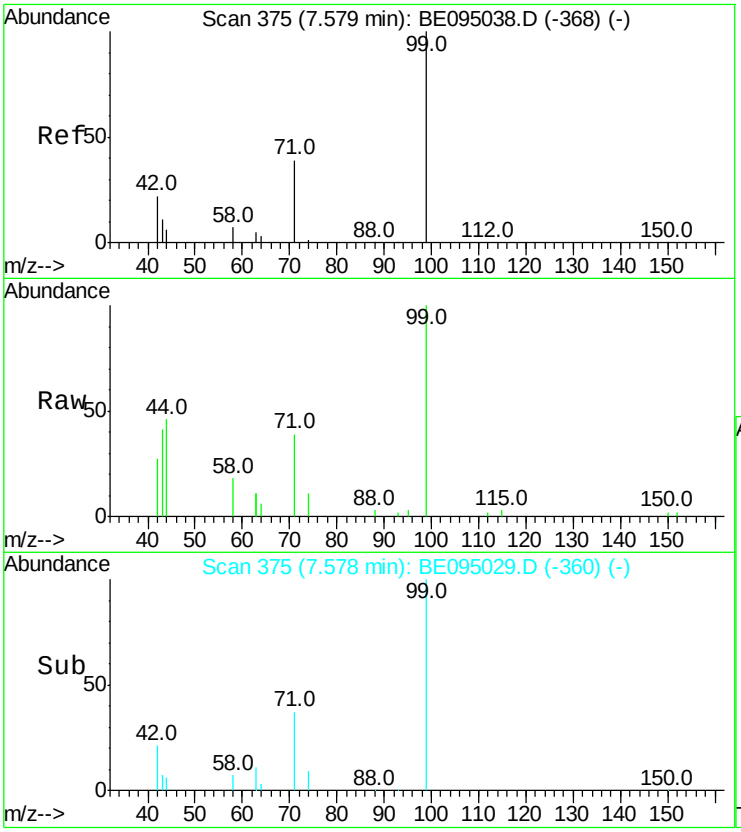



#4
2-Fluorophenol
Concen: 0.293 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:112 Resp: 3147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 73.7 | 60.1 | 90.1 |
| 63 | 152.8 | 116.8 | 175.2 |

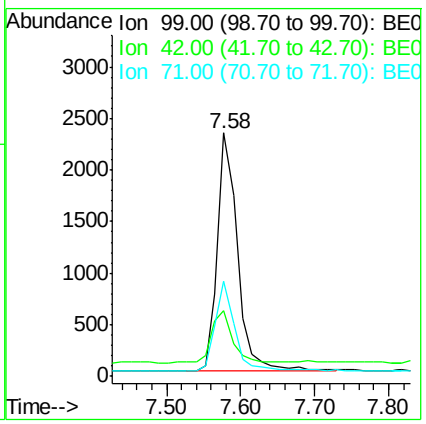





#5
Phenol-d6
Concen: 0.274 ng
RT: 7.58 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

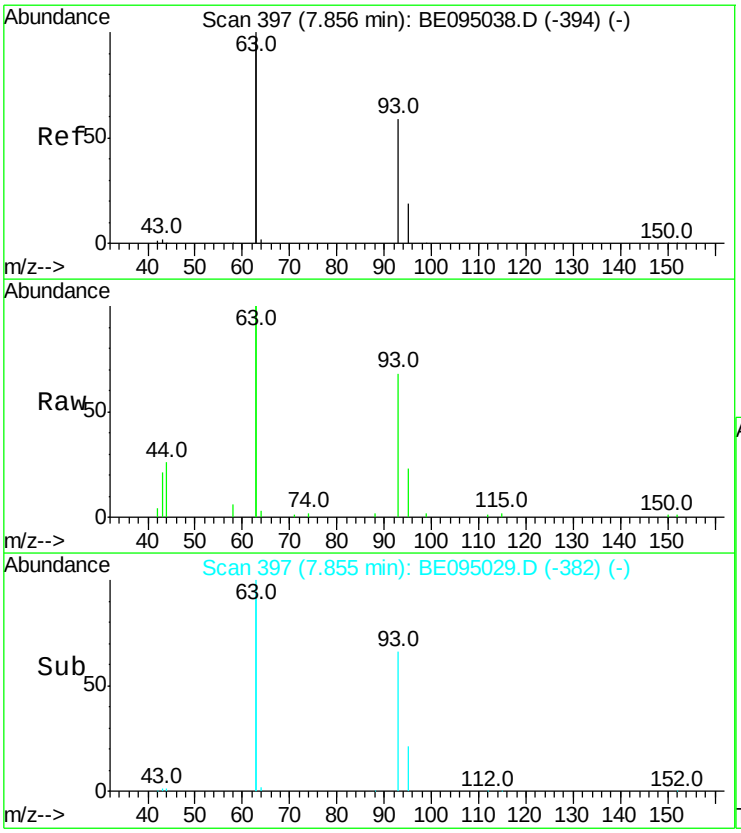
Tgt Ion: 99 Resp: 4382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.6 | 20.2 | 30.2 |
| 71 | 36.7 | 28.4 | 42.6 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

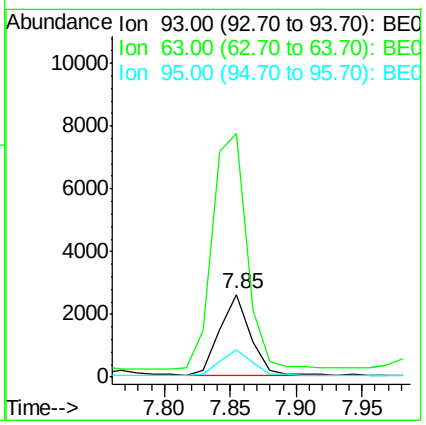
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

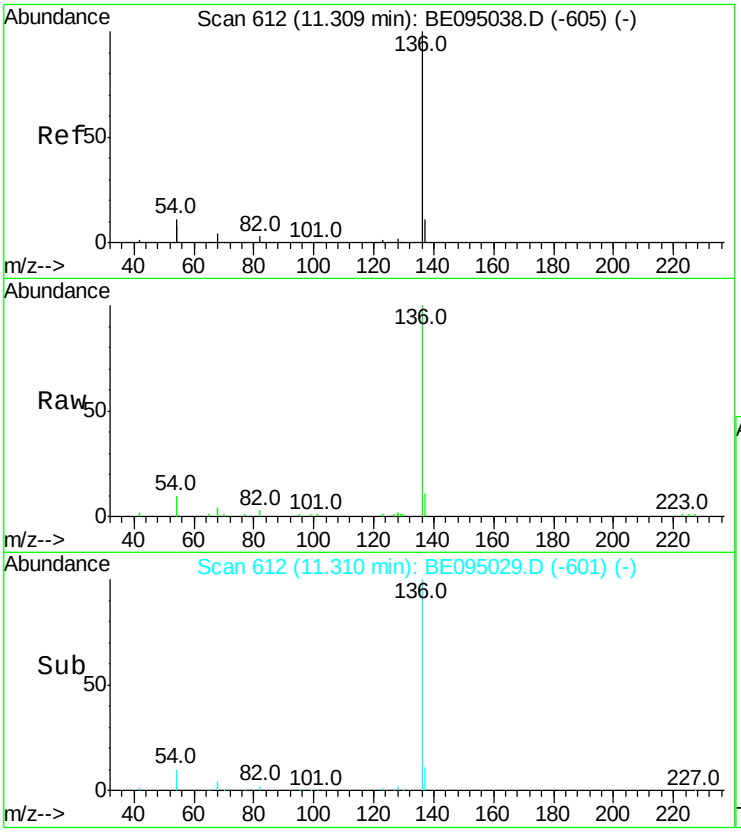



#6
bis(2-Chloroethyl)ether
Concen: 0.263 ng
RT: 7.85 min Scan# 397
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion: 93 Resp: 4104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 333.8 | 275.3 | 412.9 |
| 95 | 31.7 | 25.2 | 37.8 |

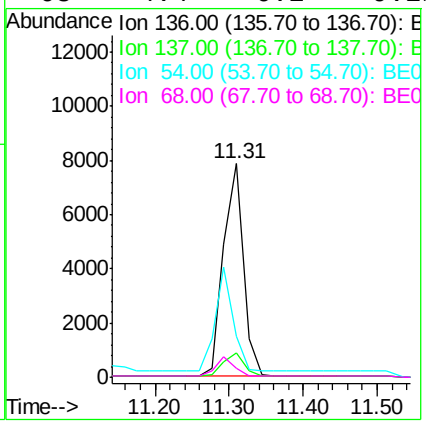





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

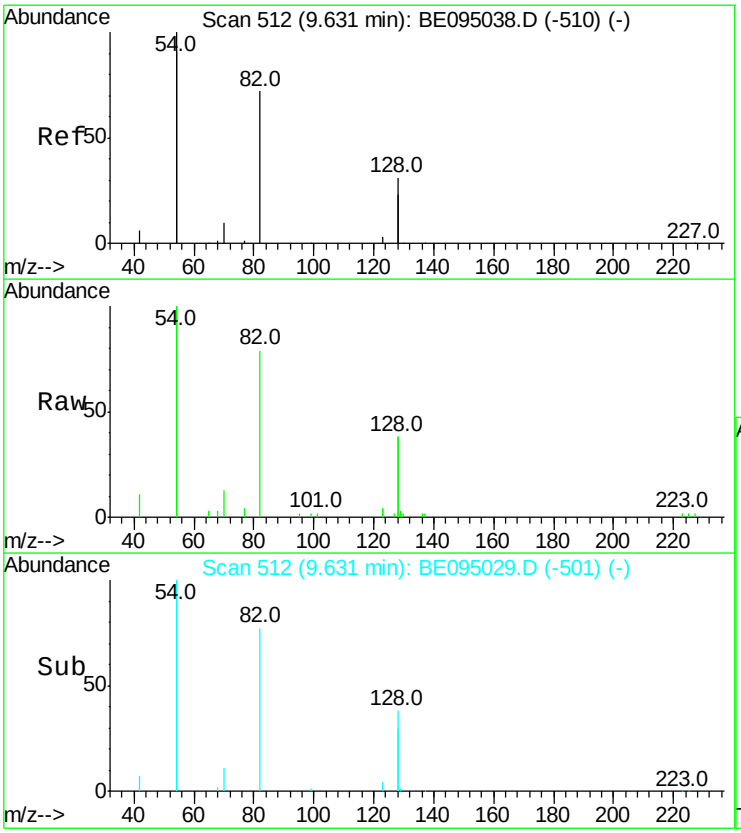
Tgt Ion:136 Resp: 14595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.5 | 14.3 |
| 54 | 19.1 | 29.1 | 43.7# |
| 68 | 4.4 | 6.2 | 9.2# |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

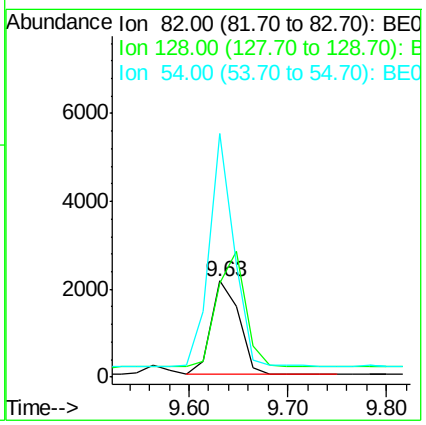
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

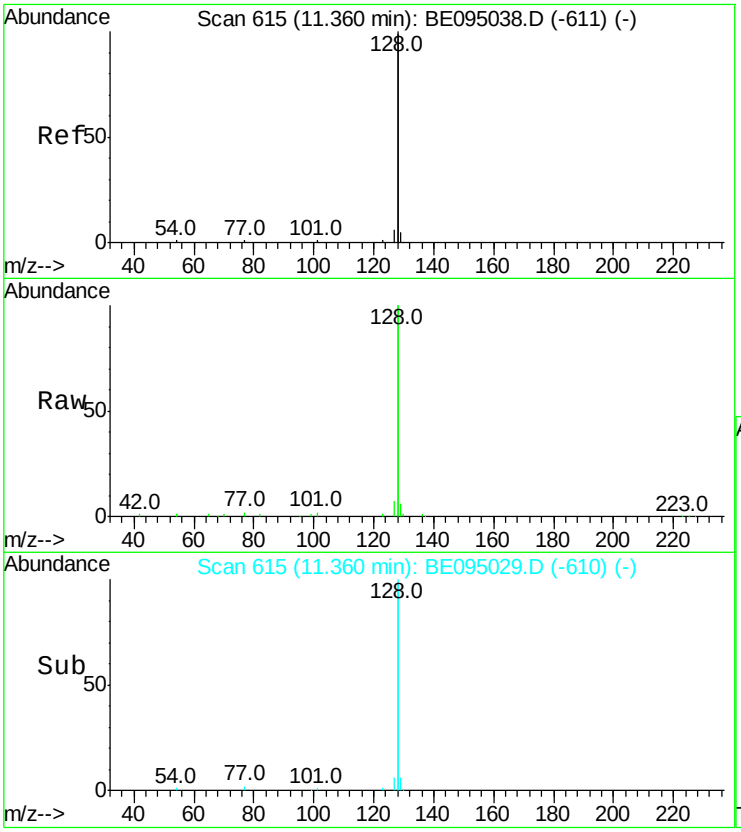



#8
Nitrobenzene-d5
Concen: 0.352 ng
RT: 9.63 min Scan# 512
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion: 82 Resp: 4214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 97.2 | 150.0 | 225.0# |
| 54 | 253.4 | 154.2 | 231.4# |

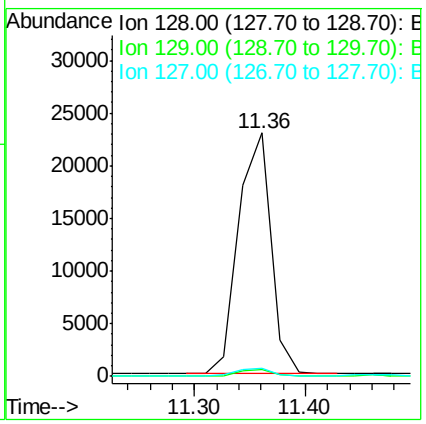





#9
Naphthalene
Concen: 0.270 ng
RT: 11.36 min Scan# 615
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

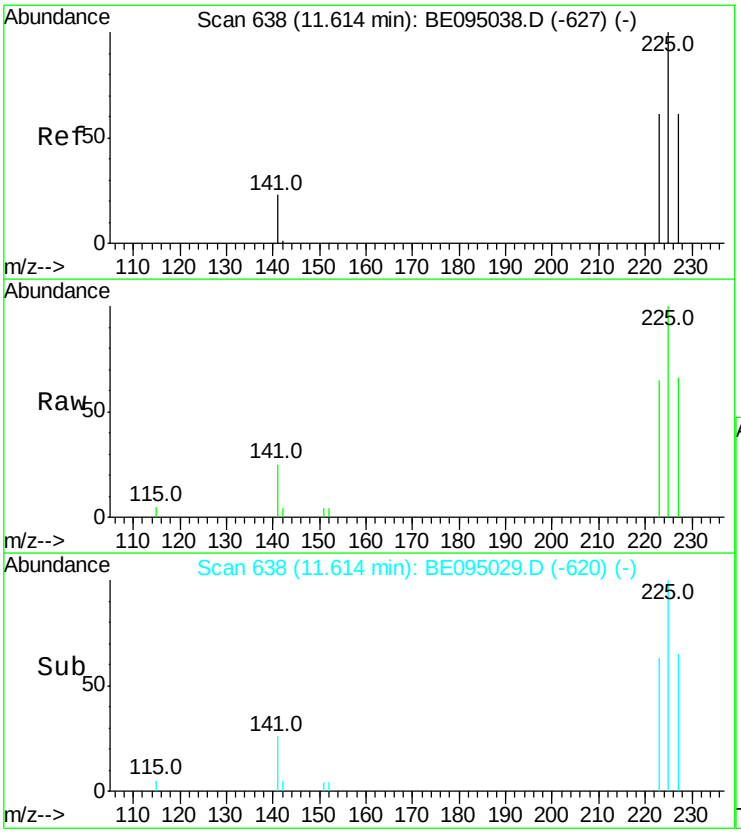
Tgt Ion:128 Resp: 46342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.0 | 2.6 | 3.8 |
| 127 | 3.4 | 2.8 | 4.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

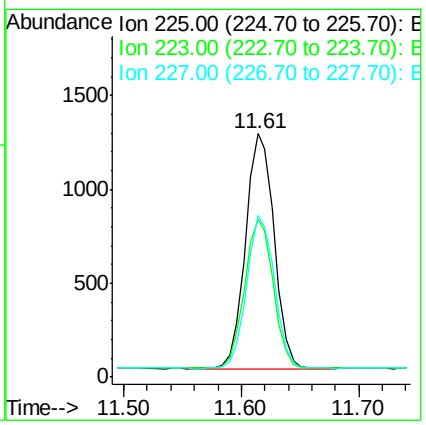
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

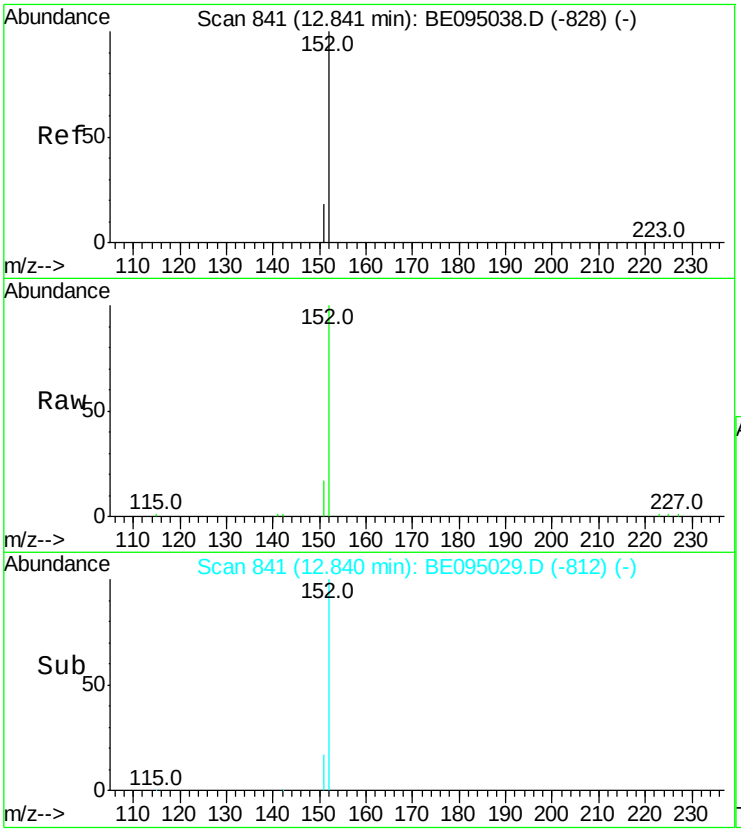



#10
Hexachlorobutadiene
Concen: 0.272 ng
RT: 11.61 min Scan# 638
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:225 Resp: 2120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 53.0 | 79.6 |
| 227 | 63.7 | 51.4 | 77.2 |

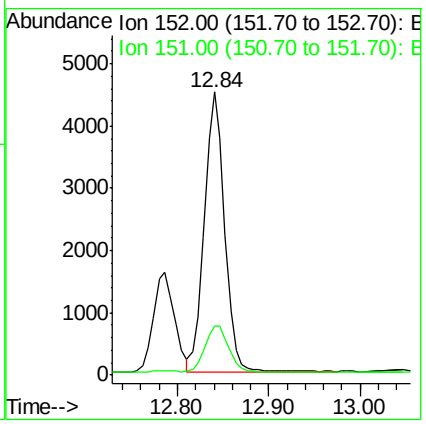





#11
2-Methylnaphthalene-d10
Concen: 0.292 ng
RT: 12.84 min Scan# 841
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

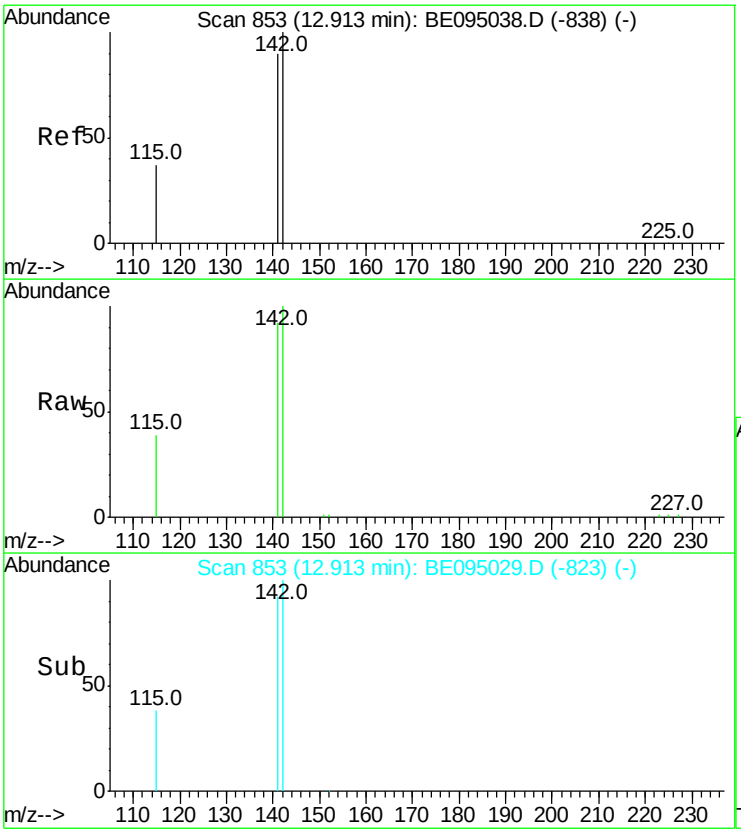
Tgt Ion:152 Resp: 6970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.9 | 15.4 | 23.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

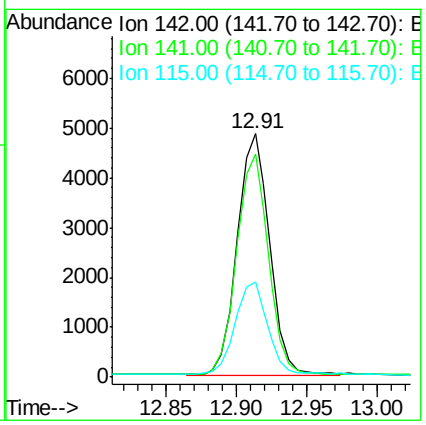
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

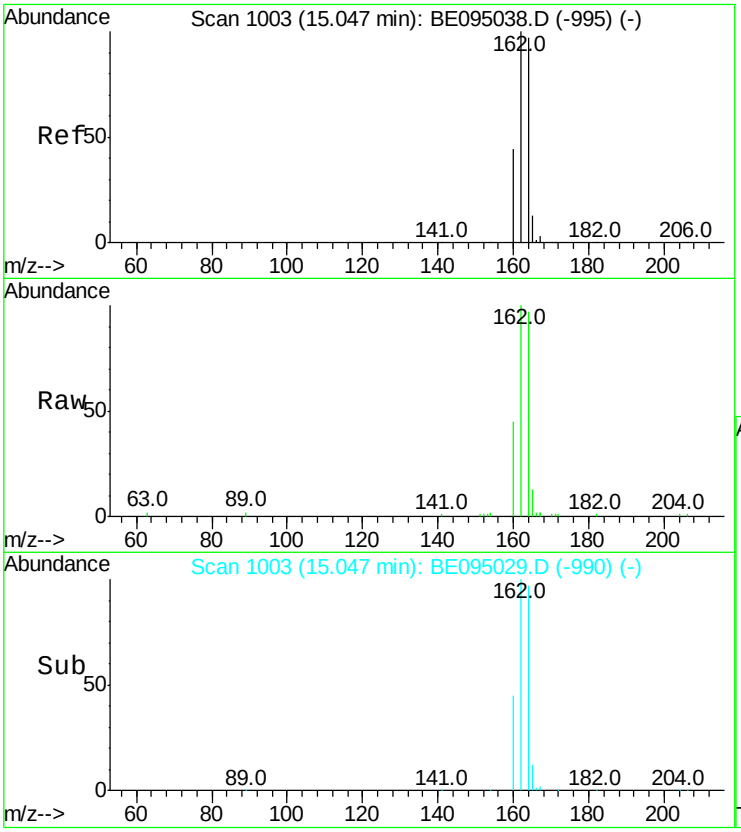



#12
2-Methylnaphthalene
Concen: 0.181 ng m
RT: 12.91 min Scan# 853
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:142 Resp: 7744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.5 | 70.4 | 105.6 |
| 115 | 39.3 | 31.7 | 47.5 |

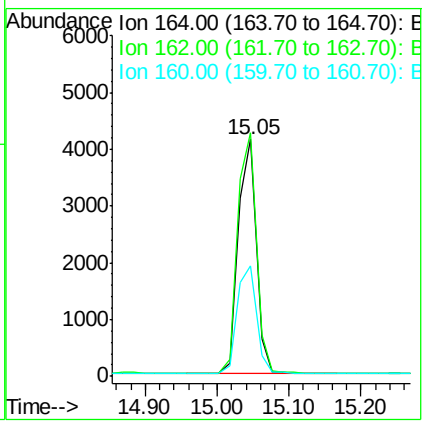





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.05 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

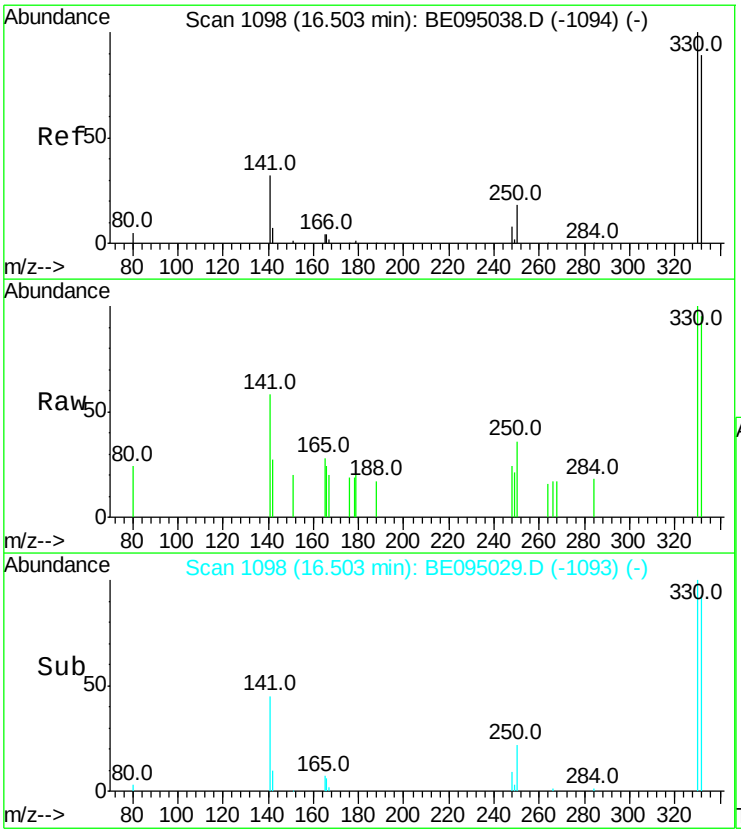
Tgt Ion:164 Resp: 7214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 83.1 | 124.7 |
| 160 | 46.7 | 37.1 | 55.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

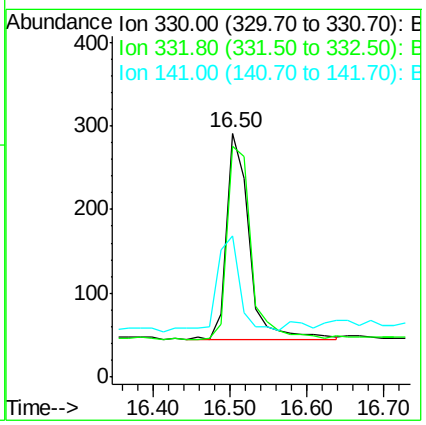
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

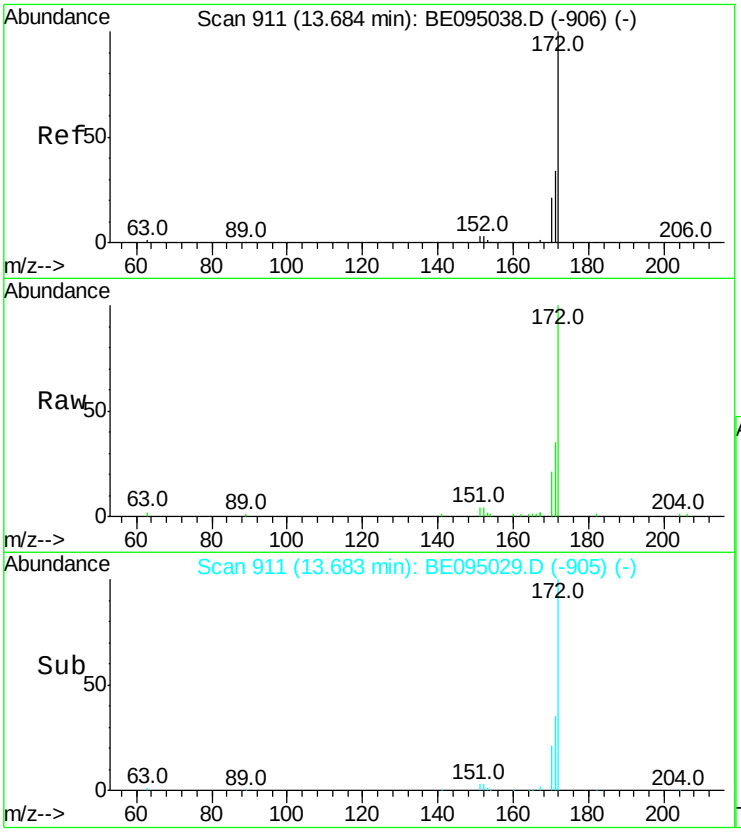



#14
2,4,6-Tribromophenol
Concen: 0.305 ng
RT: 16.50 min Scan# 1098
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:330 Resp: 511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.8 | 152.7 | 229.1# |
| 141 | 44.0 | 33.7 | 50.5 |

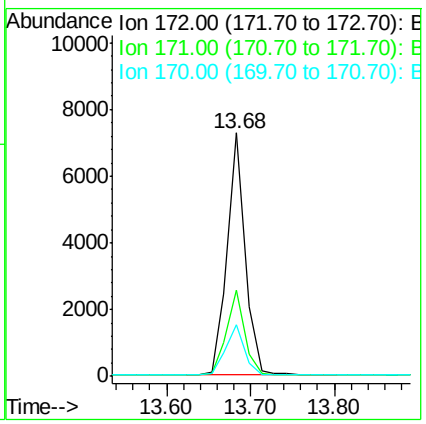





#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

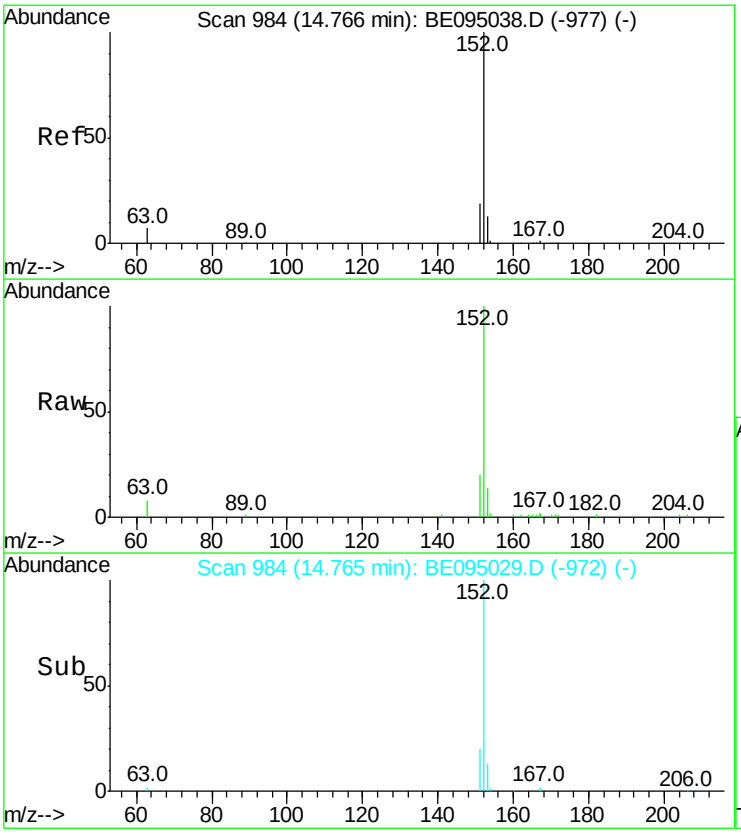
Tgt Ion:172 Resp: 10678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 29.9 | 44.9 |
| 170 | 21.4 | 21.8 | 32.8# |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

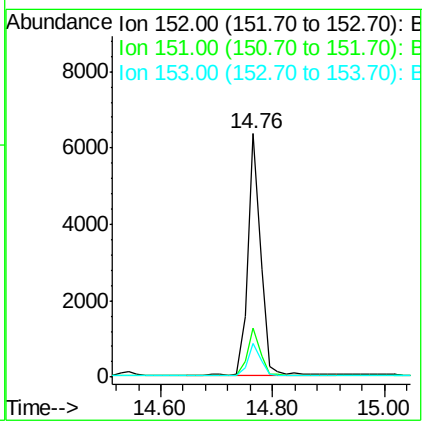
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

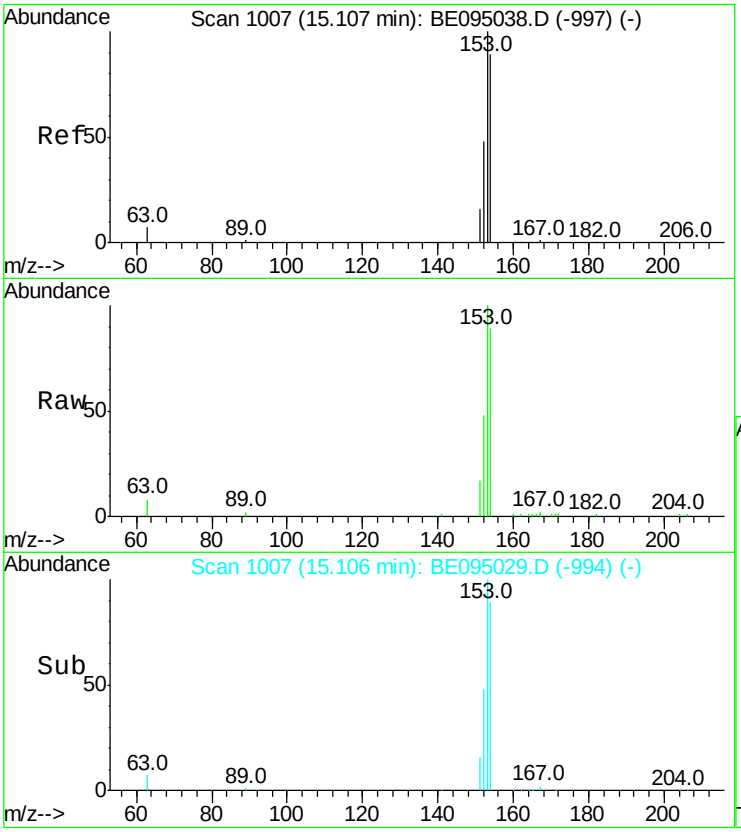



#16
Acenaphthylene
Concen: 0.261 ng
RT: 14.76 min Scan# 984
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:152 Resp: 10054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.7 | 23.5 |
| 153 | 13.2 | 10.5 | 15.7 |

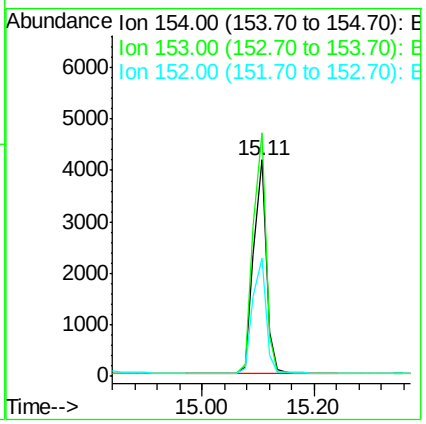





#17
Acenaphthene
Concen: 0.265 ng
RT: 15.11 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

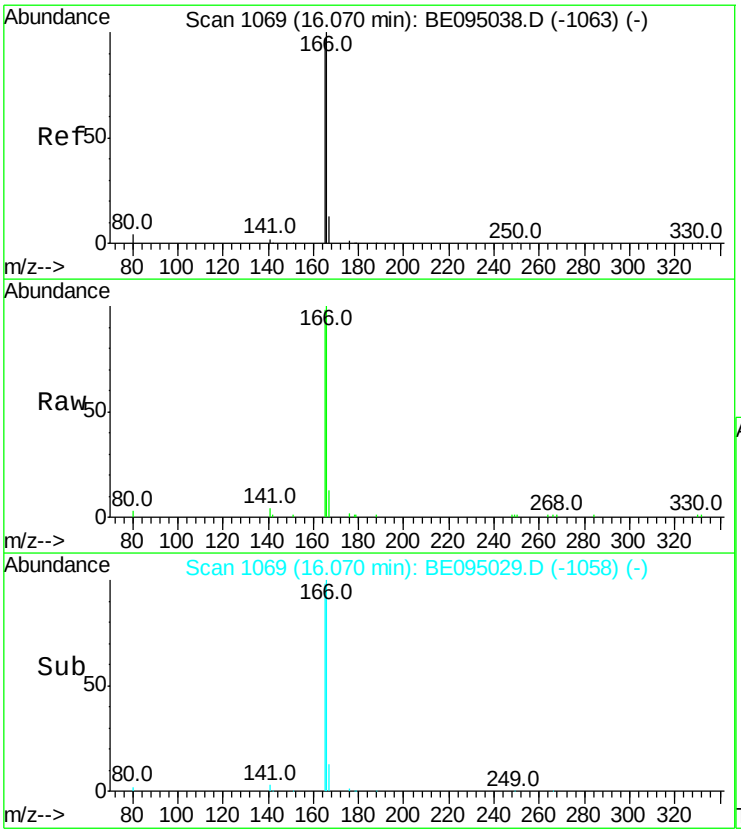
Tgt Ion:154 Resp: 6769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 89.2 | 133.8 |
| 152 | 56.3 | 42.0 | 63.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

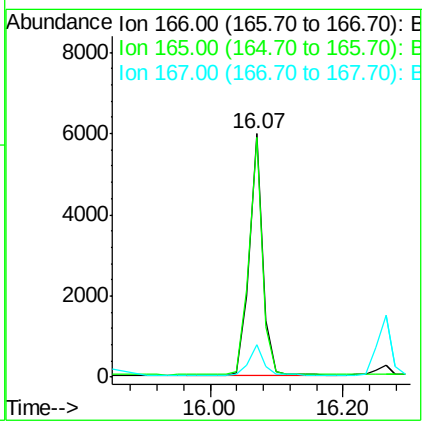
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

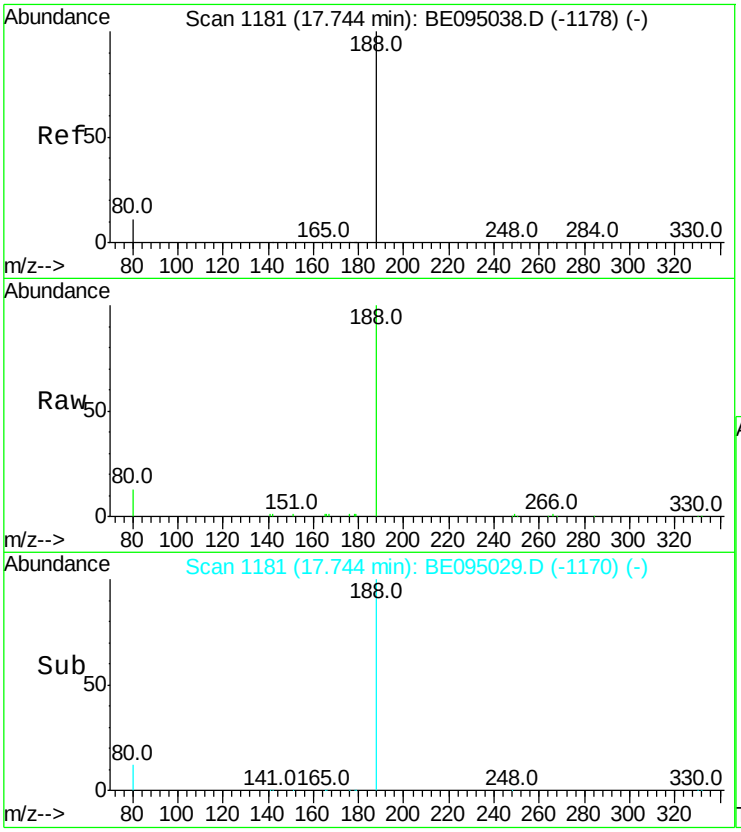



#18
Fluorene
Concen: 0.268 ng
RT: 16.07 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:166 Resp: 8517

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.0 | 77.8 | 116.6 |
| 167 | 13.6 | 42.4 | 63.6# |





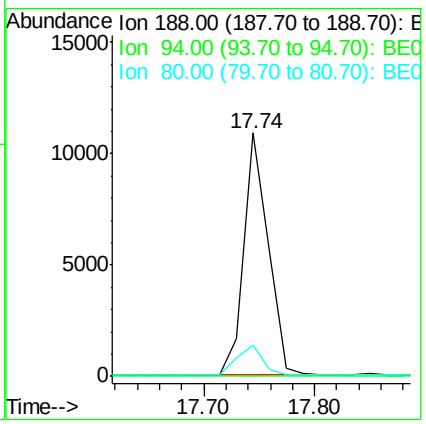

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

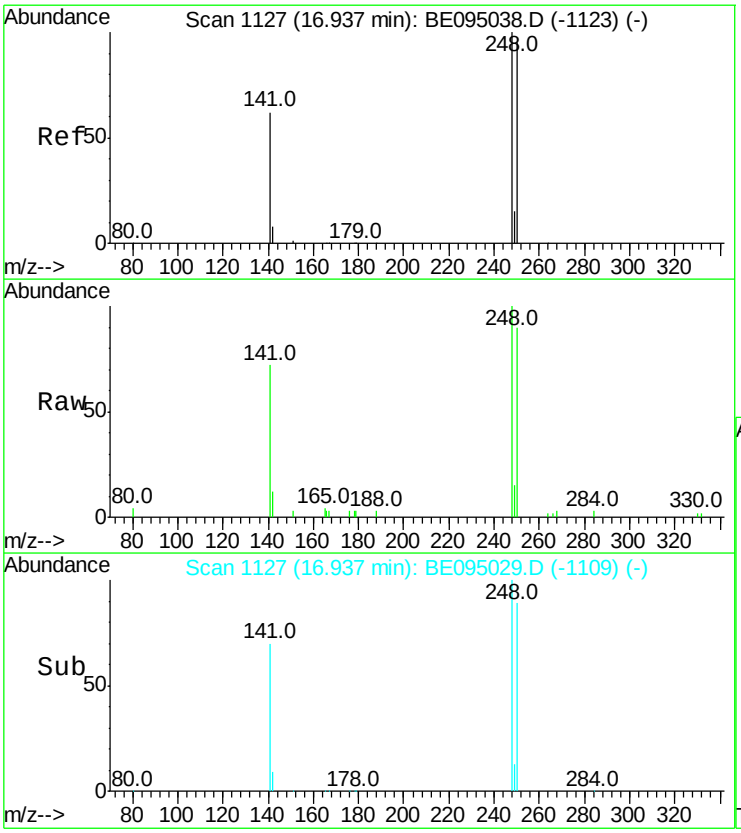
Tgt Ion:188 Resp: 16573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 13.0 | 3.6 | 5.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

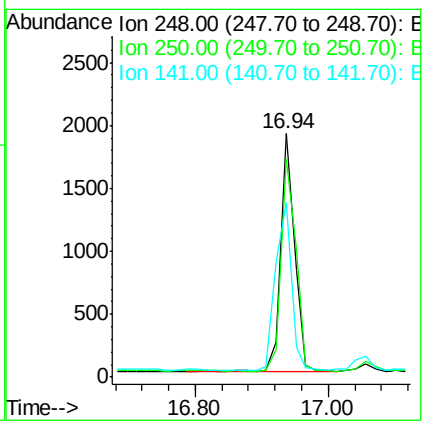


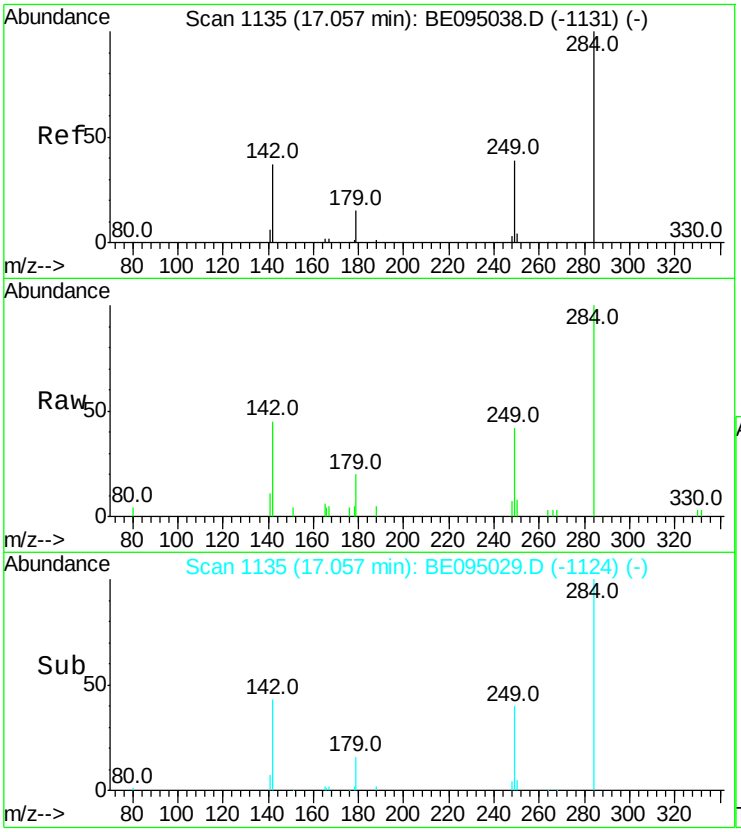




#20
4-Bromophenyl-phenylether
Concen: 0.279 ng
RT: 16.94 min Scan# 1127
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:248 Resp: 2710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 89.8 | 62.7 | 94.1 |
| 141 | 71.9 | 48.2 | 72.2 |

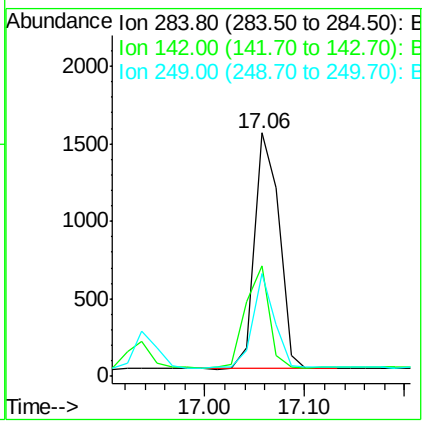





#21
Hexachlorobenzene
Concen: 0.265 ng
RT: 17.06 min Scan# 1135
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

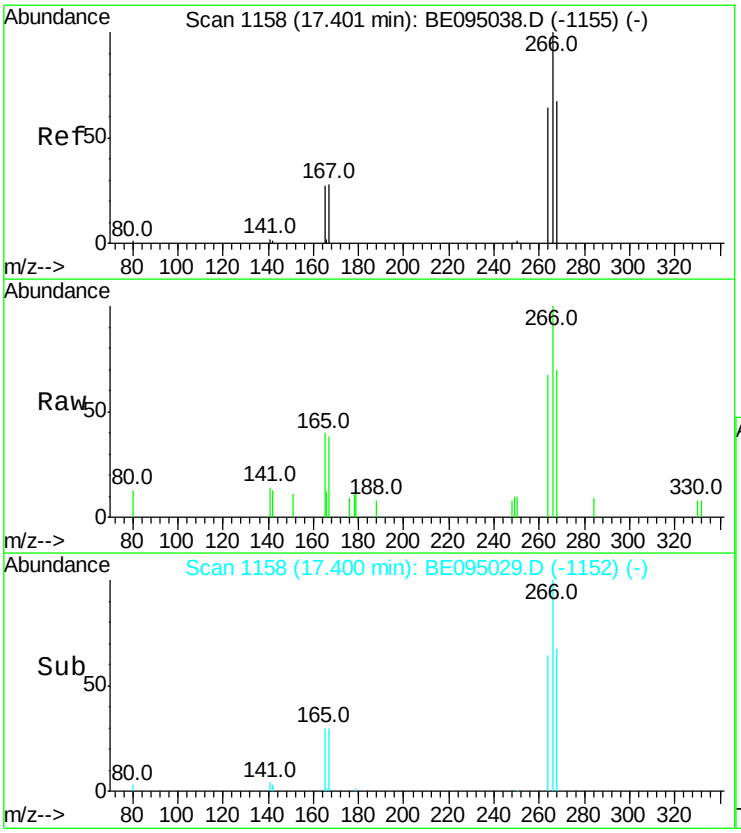
Tgt Ion:284 Resp: 2625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 41.0 | 22.1 | 33.1# |
| 249 | 35.5 | 34.8 | 52.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

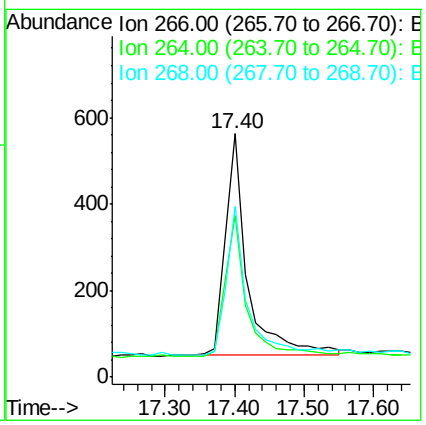
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

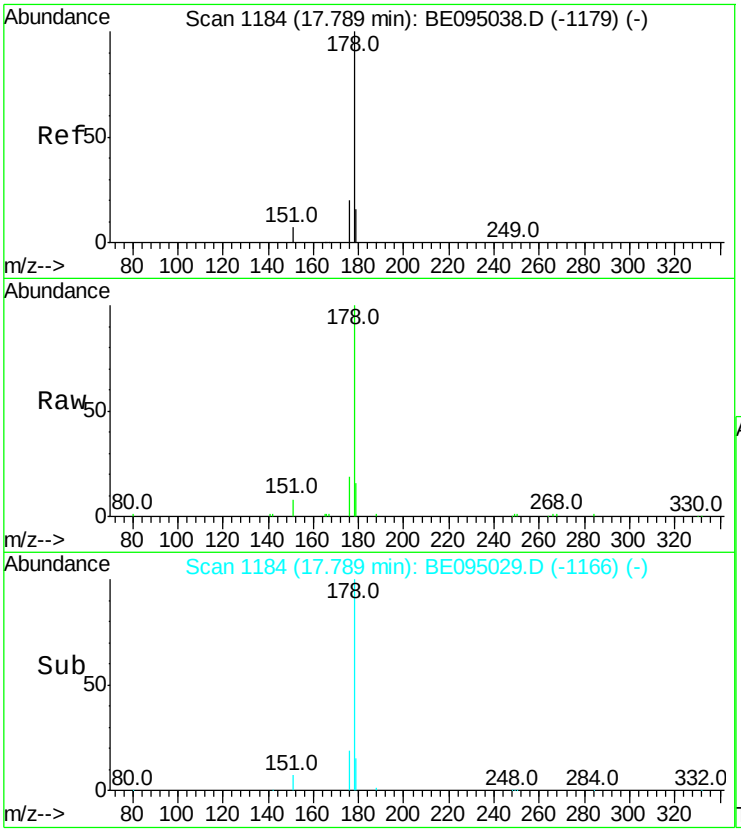



#22
Pentachlorophenol
Concen: 0.551 ng m
RT: 17.40 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:266 Resp: 1159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 66.6 | 72.5 | 108.7# |
| 268 | 70.2 | 73.8 | 110.6# |

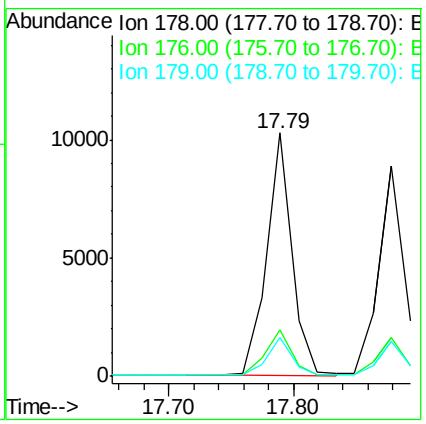





#23
Phenanthrene
Concen: 0.280 ng
RT: 17.79 min Scan# 1184
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

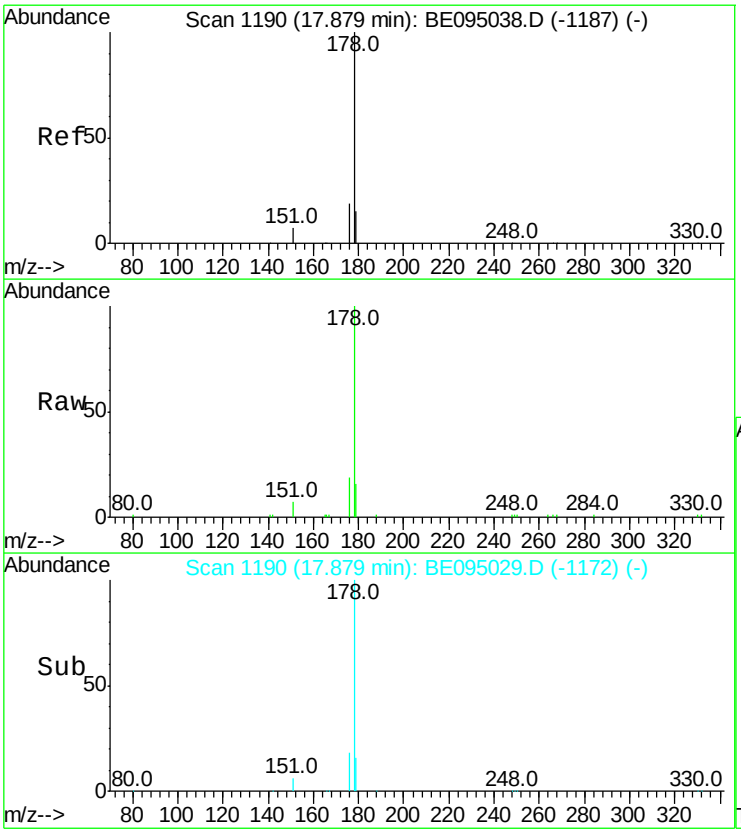
Tgt Ion:178 Resp: 14440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.1 | 22.7 |
| 179 | 15.3 | 11.8 | 17.6 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

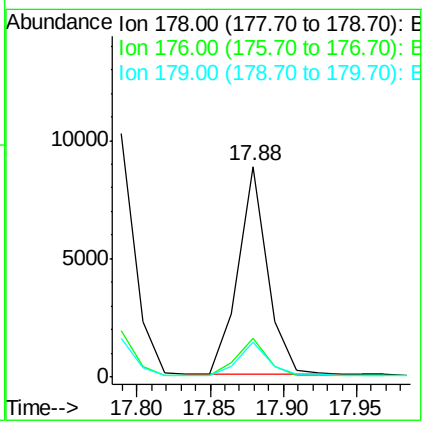
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

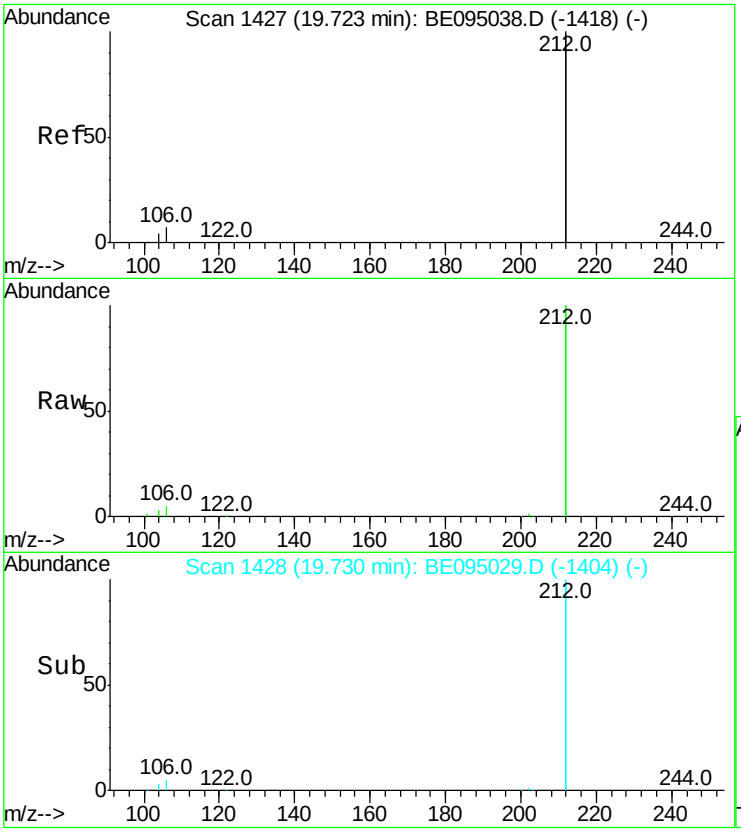



#24
Anthracene
Concen: 0.236 ng m
RT: 17.88 min Scan# 1190
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:178 Resp: 12528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.8 | 12.8 | 19.2# |
| 179 | 17.7 | 13.0 | 19.6 |

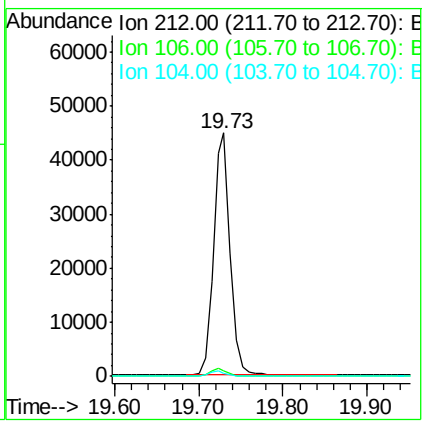





#25
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.73 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

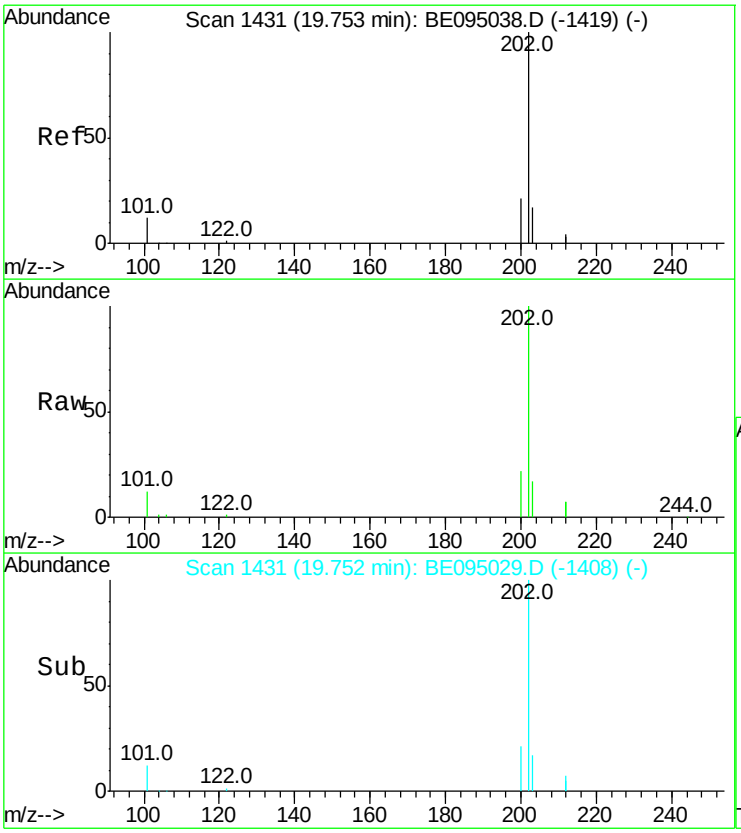
Tgt Ion:212 Resp: 62220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.3 | 2.8 | 4.2 |
| 104 | 1.9 | 1.6 | 2.4 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

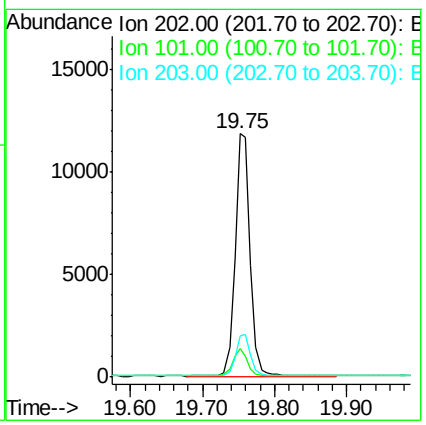
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

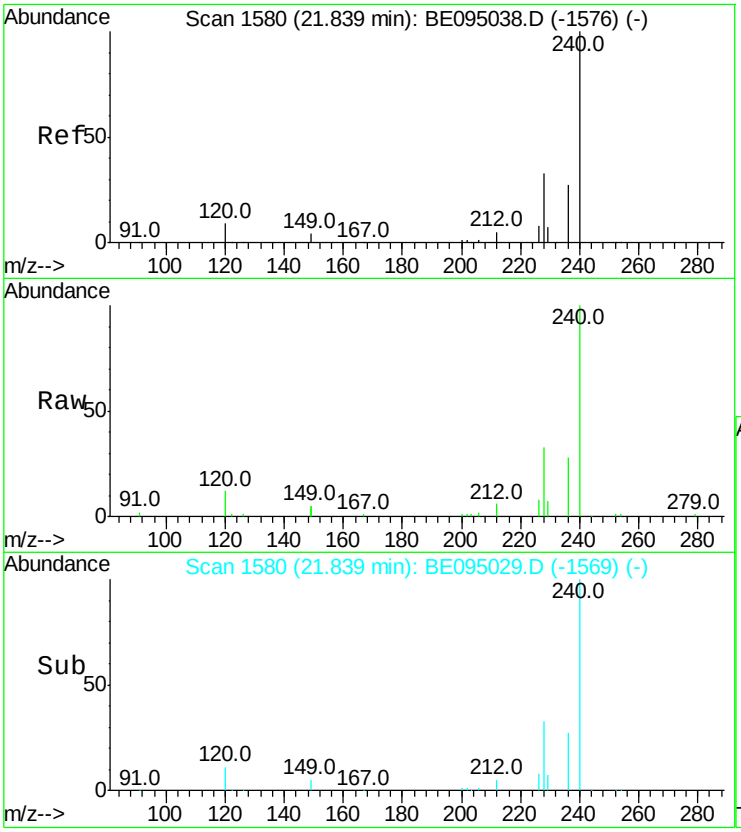



#26
Fluoranthene
Concen: 0.269 ng
RT: 19.75 min Scan# 1431
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:202 Resp: 17124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 9.8 | 14.8 |
| 203 | 17.2 | 13.7 | 20.5 |

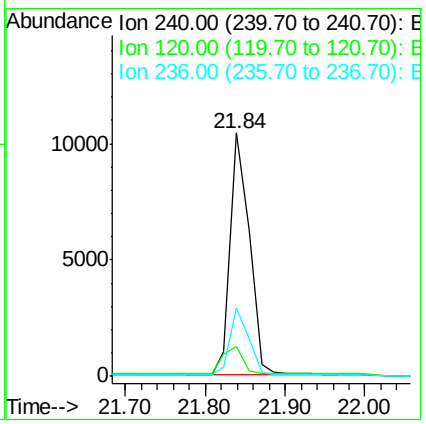





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

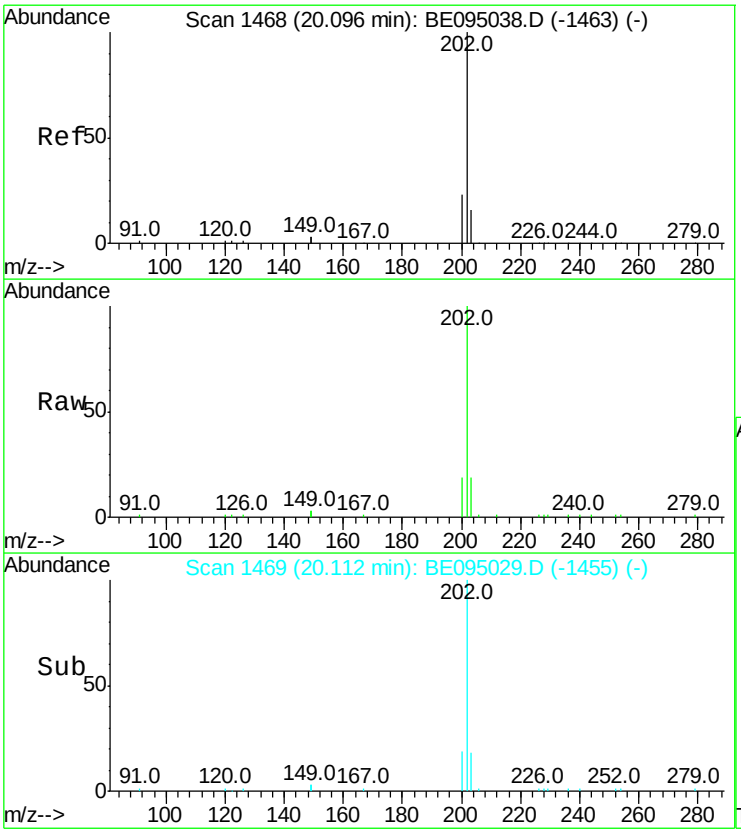
Tgt Ion:240 Resp: 17274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 5.5 | 8.3# |
| 236 | 28.0 | 20.7 | 31.1 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

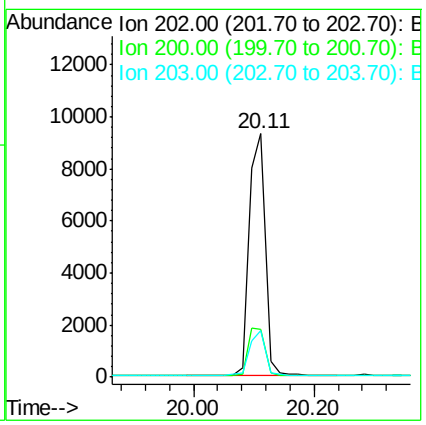
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

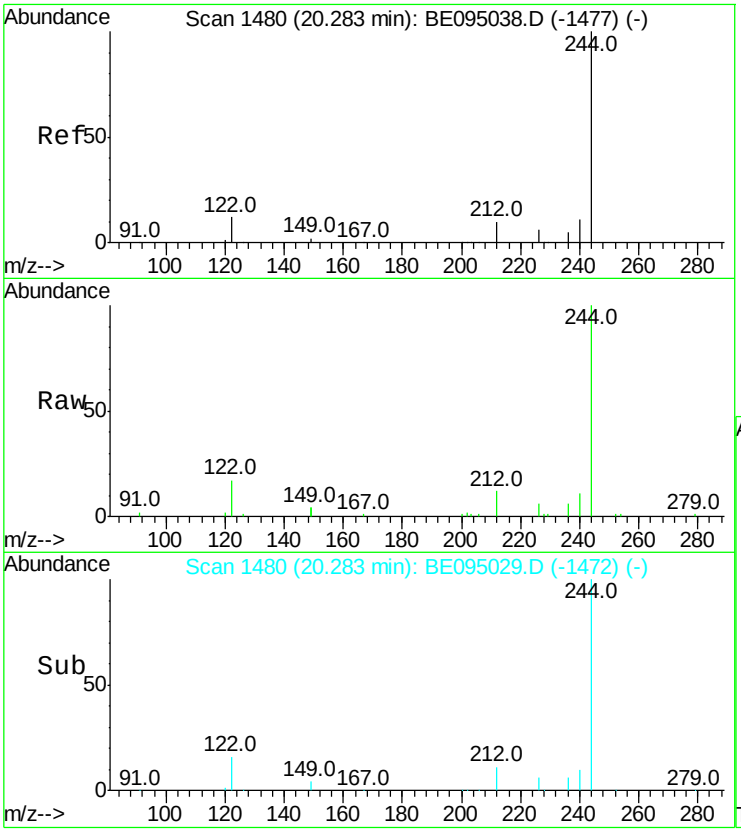



#28
Pyrene
Concen: 0.334 ng
RT: 20.11 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:202 Resp: 19524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.6 | 25.0 |
| 203 | 18.4 | 13.8 | 20.8 |





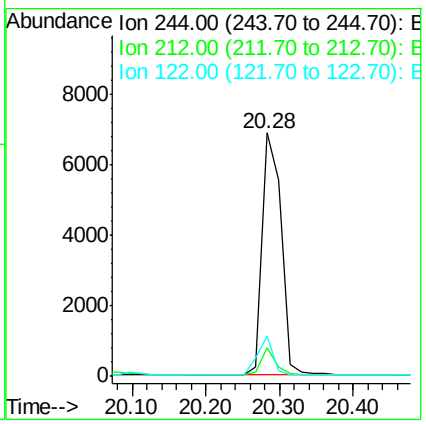

#29
Terphenyl-d14
Concen: 0.373 ng
RT: 20.28 min Scan# 1480
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

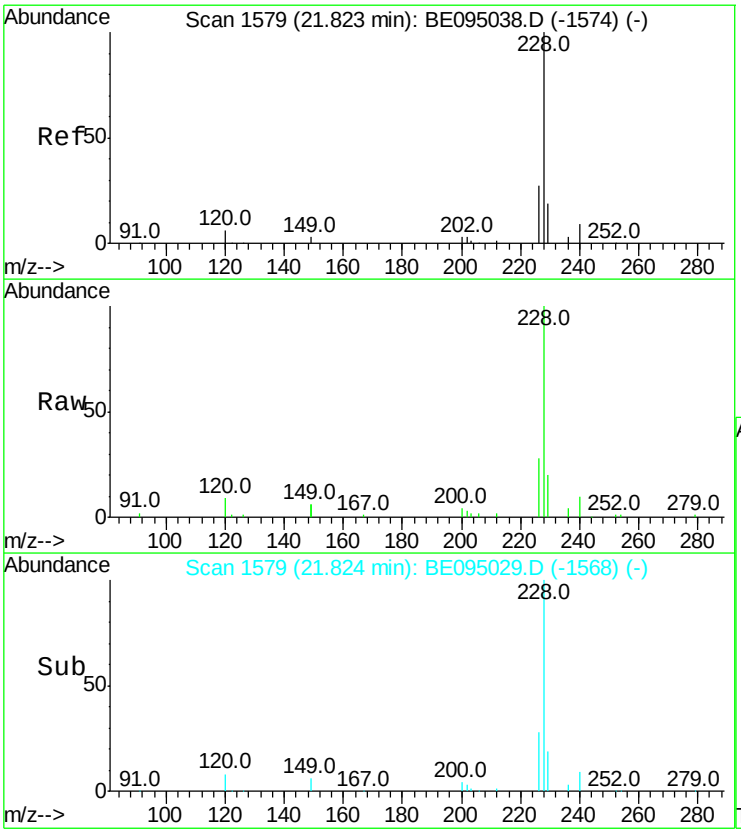
Tgt Ion:244 Resp: 12116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 11.5 | 25.4 | 38.0# |
| 122 | 16.6 | 8.1 | 12.1# |

**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

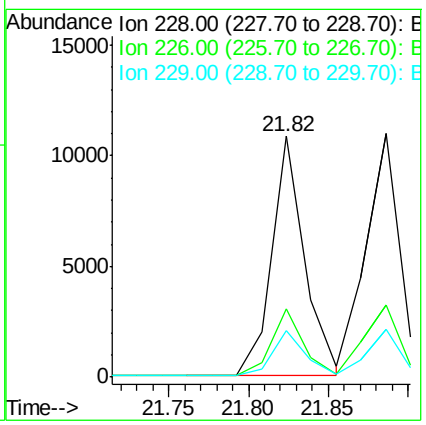


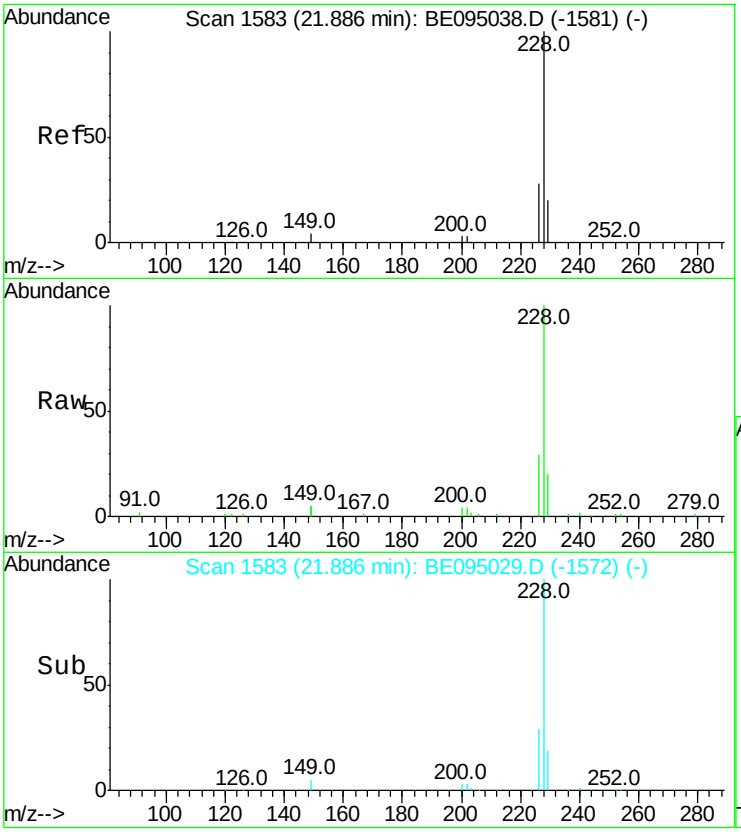




#30
Benzo(a)anthracene
Concen: 0.309 ng
RT: 21.82 min Scan# 1579
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:228 Resp: 15590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.1 | 40.0 | 60.0# |
| 229 | 19.6 | 40.0 | 60.0# |





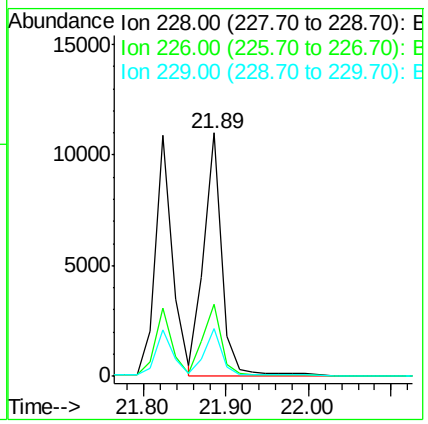

#31
Chrysene
Concen: 0.316 ng
RT: 21.89 min Scan# 1583
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

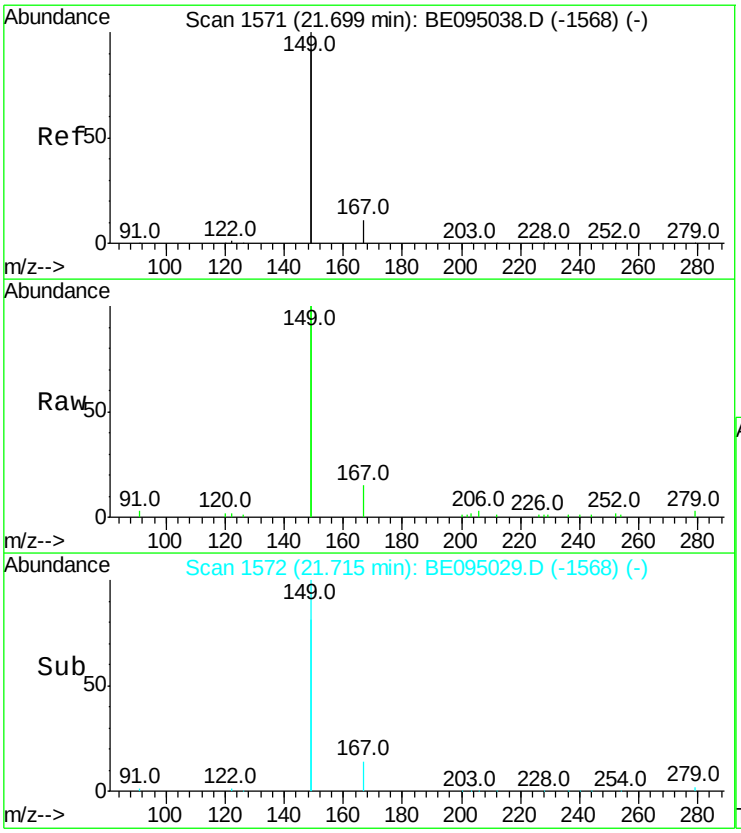
Tgt Ion:228 Resp: 17968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.5 | 40.0 | 60.0# |
| 229 | 19.7 | 40.0 | 60.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

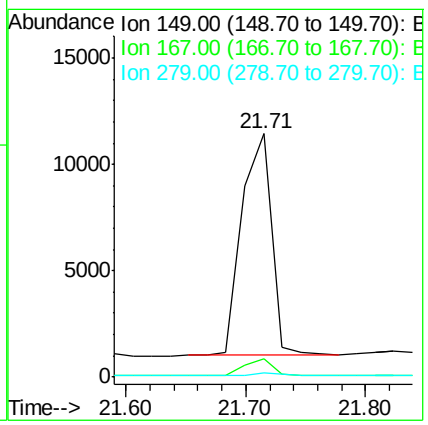


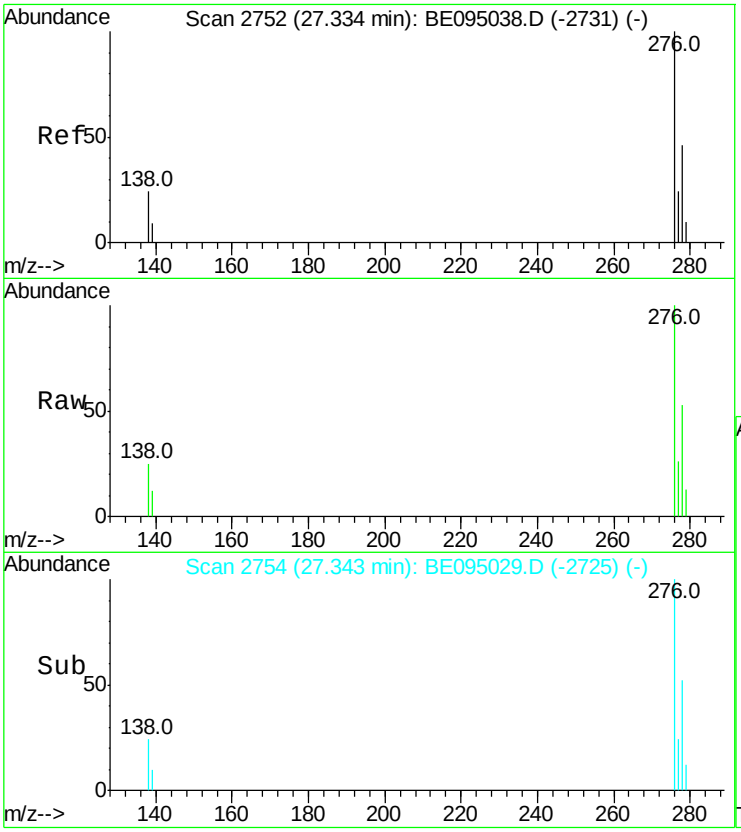




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.276 ng
RT: 21.71 min Scan# 1572
Delta R.T. -0.03 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:149 Resp: 17732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.1 | 5.4 | 8.0 |
| 279 | 1.1 | 0.7 | 1.1 |

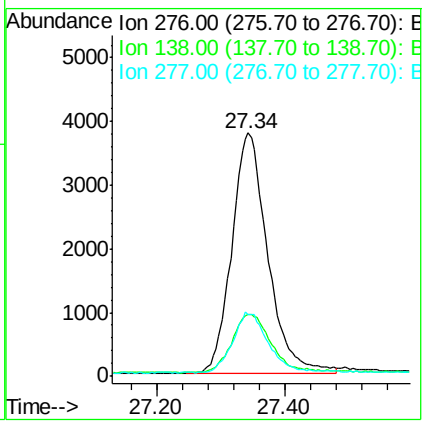





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.316 ng
RT: 27.34 min Scan# 2754
Delta R.T. -0.07 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

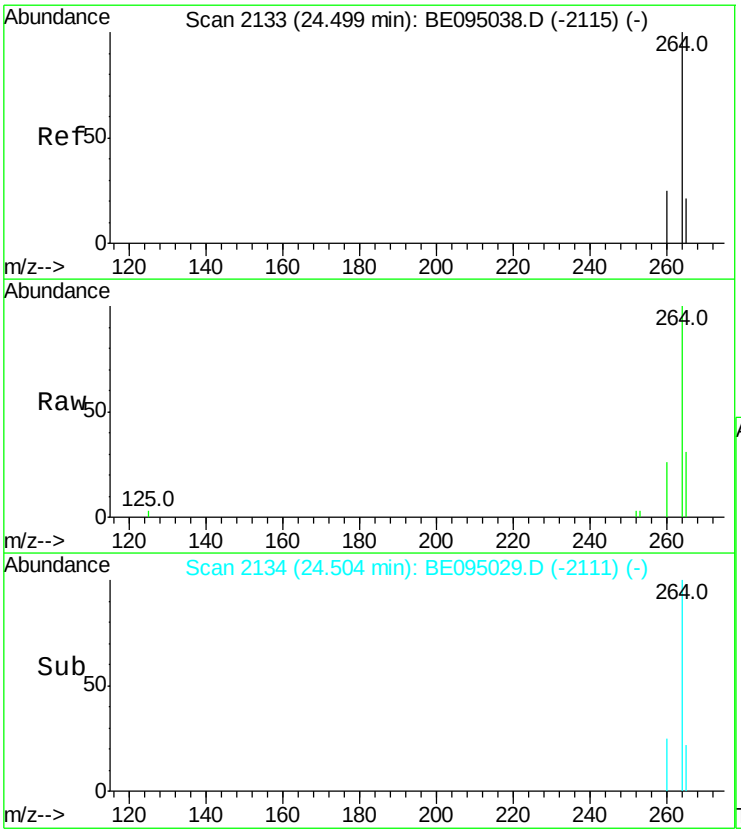
Tgt Ion:276 Resp: 14608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.1 | 22.5 | 33.7 |
| 277 | 24.9 | 19.9 | 29.9 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

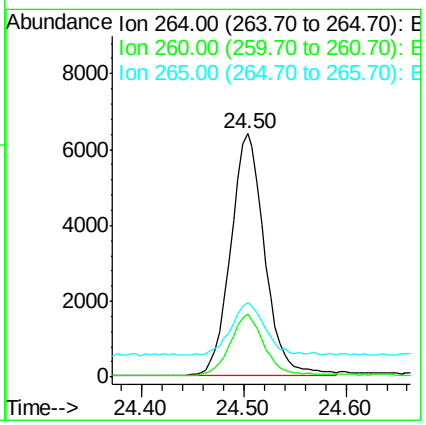
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

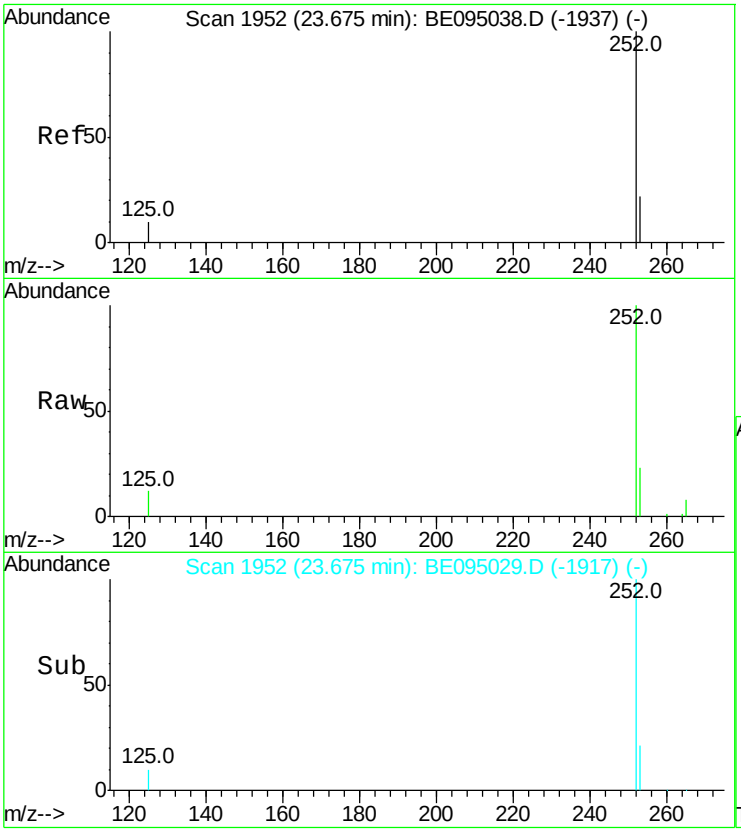



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.50 min Scan# 2134
Delta R.T. -0.05 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:264 Resp: 14521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.0 | 20.5 | 30.7 |
| 265 | 30.9 | 22.8 | 34.2 |





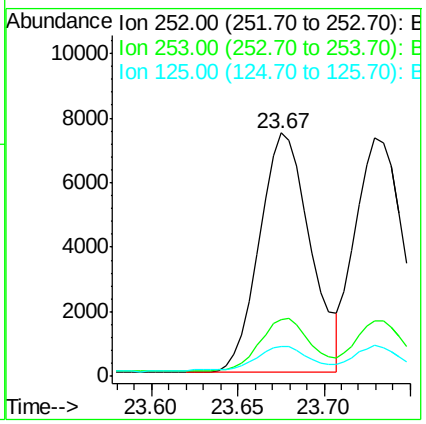

#35
Benzo(b)fluoranthene
Concen: 0.287 ng
RT: 23.67 min Scan# 1952
Delta R.T. -0.04 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

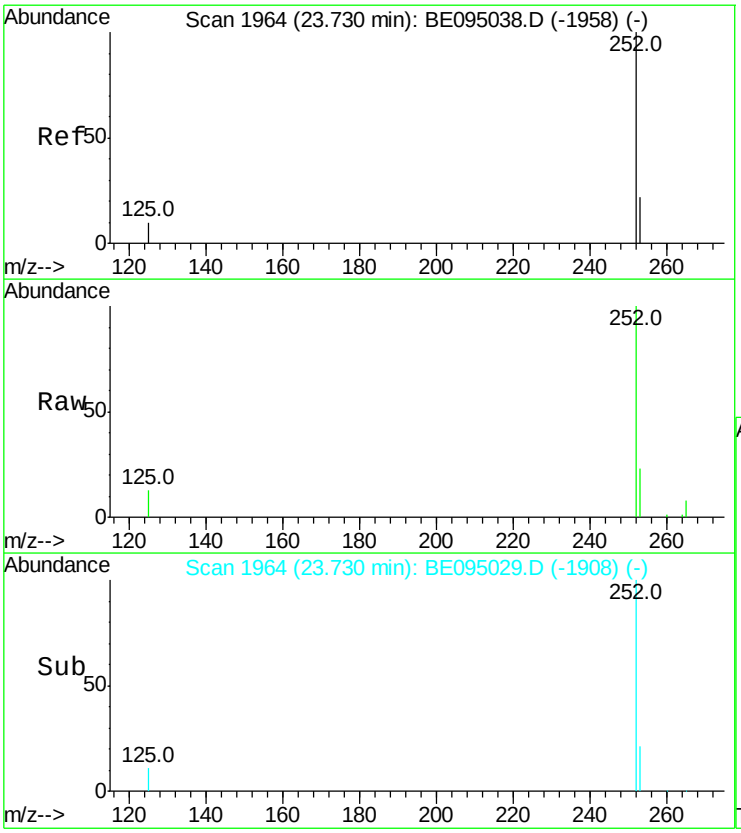
Tgt Ion:252 Resp: 15318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 20.0 | 30.0 |
| 125 | 12.5 | 16.0 | 24.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

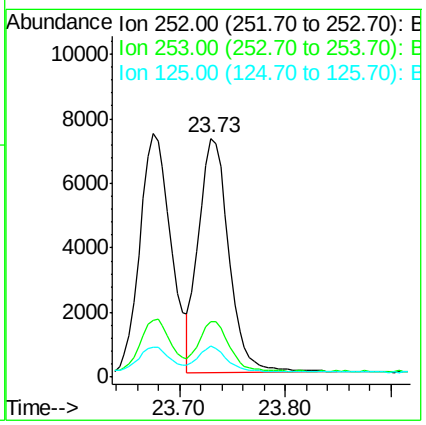


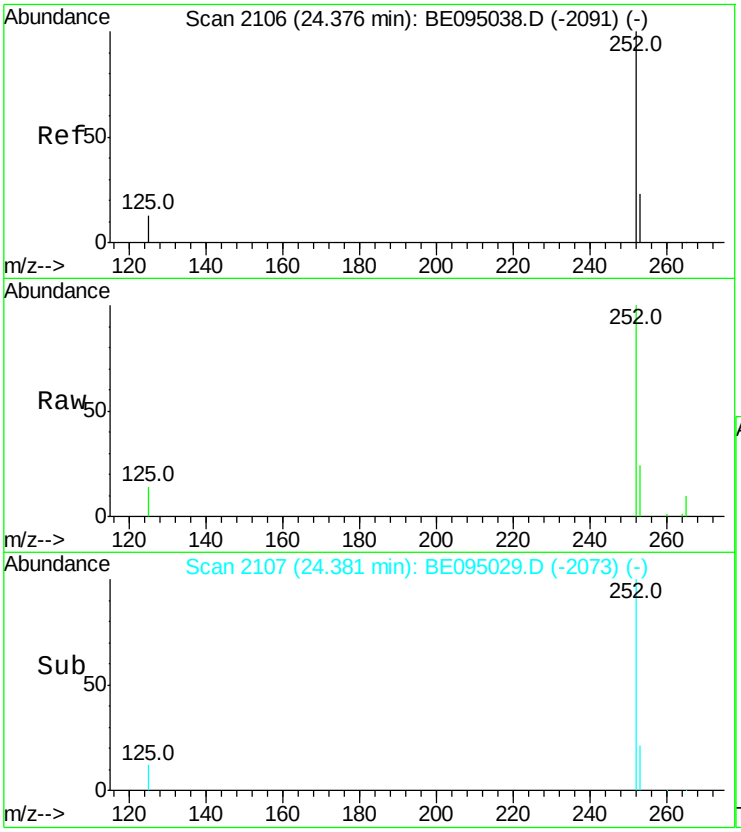




#36
Benzo(k)fluoranthene
Concen: 0.267 ng
RT: 23.73 min Scan# 1964
Delta R.T. -0.05 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:252 Resp: 14418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 16.0 | 24.0 |
| 125 | 12.9 | 8.0 | 12.0# |

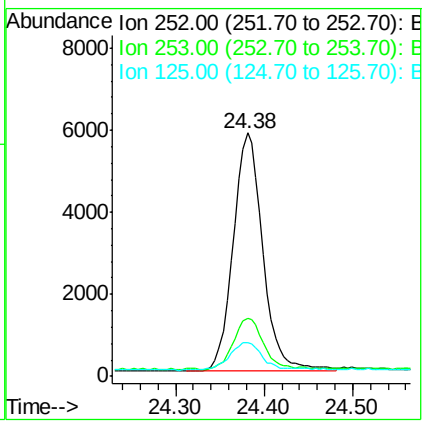





#37
Benzo(a)pyrene
Concen: 0.286 ng
RT: 24.38 min Scan# 2107
Delta R.T. -0.05 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

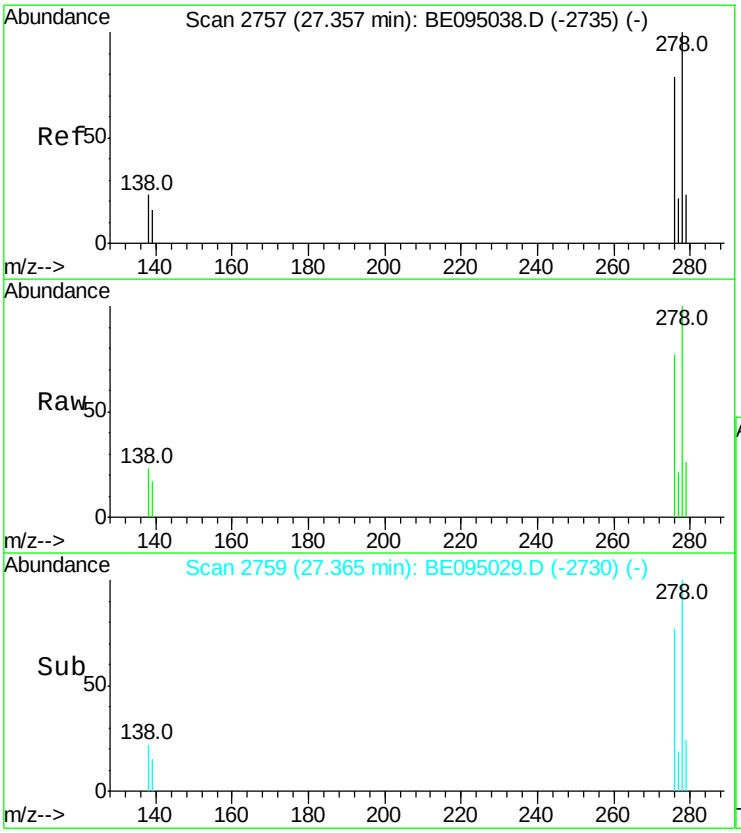
Tgt Ion:252 Resp: 13543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.9 | 16.0 | 24.0 |
| 125 | 13.9 | 12.0 | 18.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

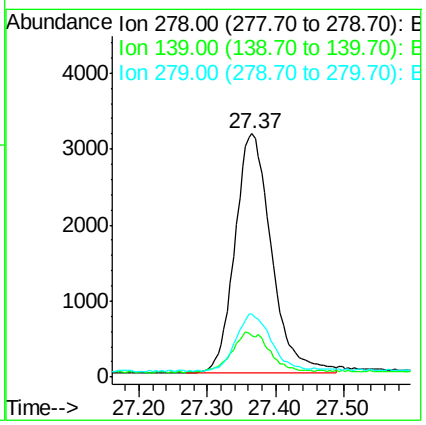
**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM

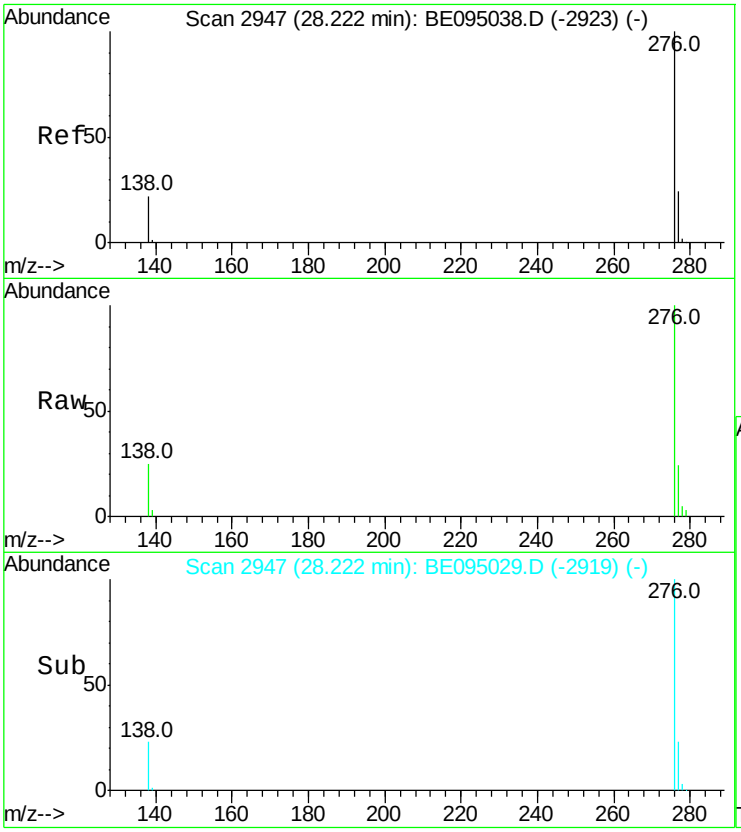



#38
Dibenzo(a,h)anthracene
Concen: 0.268 ng
RT: 27.37 min Scan# 2759
Delta R.T. -0.07 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:278 Resp: 11756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.0 | 16.0 | 24.0 |
| 279 | 26.1 | 20.0 | 30.0 |

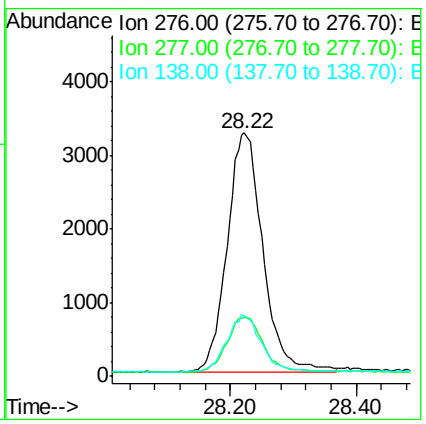





#39
Benzo(g,h,i)perylene
Concen: 0.293 ng
RT: 28.22 min Scan# 2947
Delta R.T. -0.07 min
Lab File: BE095029.D
Acq: 19 Dec 2017 13:14

Tgt Ion:276 Resp: 12785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 16.0 | 24.0# |
| 138 | 24.9 | 20.0 | 30.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
PB105118BS

**Manual Integrations APPROVED**
Sohil
12/20/2017 3:46:20 PM