Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
Data File : BE100662.D
Acq On : 23 Oct 2019 15:27
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** SSTDCCC0.4

Quant Time: Oct 23 16:58:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 16:49:33 2019
Response via : Initial Calibration

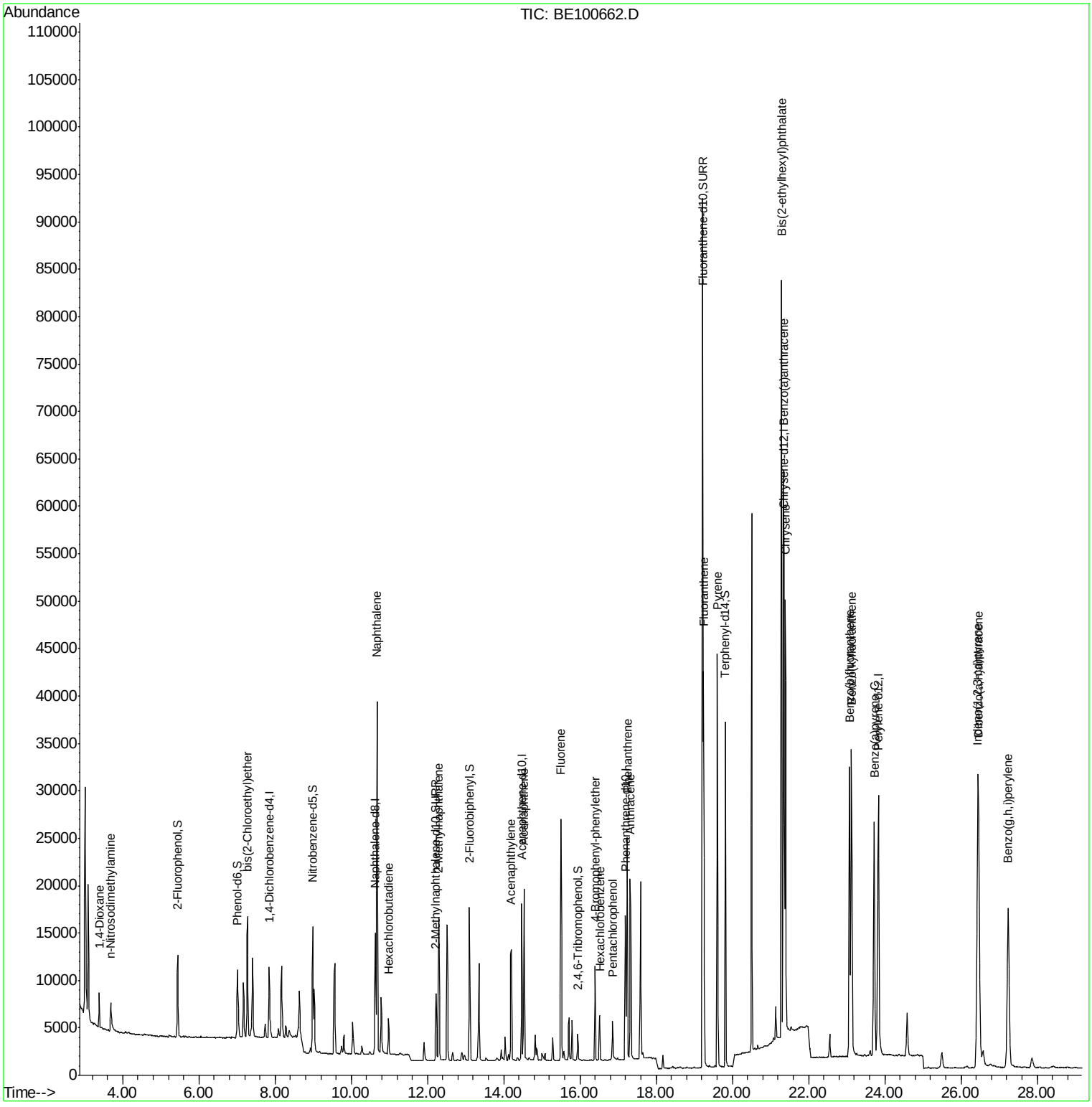
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 3472 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.63 | 136 | 14683 | 0.40 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.47 | 164 | 9599 | 0.40 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.20 | 188 | 23602 | 0.40 | ng | 0.00 |
| 27) Chrysene-d12 | 21.35 | 240 | 35266 | 0.40 | ng | 0.00 |
| 34) Perylene-d12 | 23.83 | 264 | 40206 | 0.40 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.44 | 112 | 4597 | 0.43 | ng | 0.00 |
| 5) Phenol-d6 | 7.01 | 99 | 6623 | 0.44 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.99 | 82 | 5128 | 0.56 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 9176 | 0.40 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.94 | 330 | 1642 | 0.65 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 13.10 | 172 | 14931 | 0.43 | ng | 0.00 |
| 25) Fluoranthene-d10 | 19.22 | 212 | 126173 | 0.41 | ng | 0.00 |
| 29) Terphenyl-d14 | 19.82 | 244 | 33438 | 0.43 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.38 | 88 | 2501 | 0.404 | ng | 100 |
| 3) n-Nitrosodimethylamine | 3.69 | 42 | 2578 | 0.393 | ng | 100 |
| 6) bis(2-Chloroethyl)ether | 7.27 | 93 | 4811 | 0.388 | ng | 100 |
| 9) Naphthalene | 10.68 | 128 | 60133 | 0.389 | ng | 100 |
| 10) Hexachlorobutadiene | 10.98 | 225 | 2684 | 0.400 | ng | 100 |
| 12) 2-Methylnaphthalene | 12.30 | 142 | 10466 | 0.398 | ng | 100 |
| 16) Acenaphthylene | 14.20 | 152 | 16610 | 0.402 | ng | 100 |
| 17) Acenaphthene | 14.53 | 154 | 10420 | 0.390 | ng | 100 |
| 18) Fluorene | 15.50 | 166 | 13955 | 0.394 | ng | 100 |
| 20) 4-Bromophenyl-phenylether | 16.40 | 248 | 4748 | 0.395 | ng | 100 |
| 21) Hexachlorobenzene | 16.52 | 284 | 4516 | 0.395 | ng | 100 |
| 22) Pentachlorophenol | 16.85 | 266 | 2388 | 0.648 | ng | 100 |
| 23) Phenanthrene | 17.24 | 178 | 26481 | 0.408 | ng | 100 |
| 24) Anthracene | 17.32 | 178 | 22948 | 0.381 | ng | 100 |
| 26) Fluoranthene | 19.25 | 202 | 36422 | 0.430 | ng | 100 |
| 28) Pyrene | 19.61 | 202 | 39396 | 0.400 | ng | 100 |
| 30) Benzo(a)anthracene | 21.34 | 228 | 44469 | 0.387 | ng | 100 |
| 31) Chrysene | 21.39 | 228 | 45138 | 0.393 | ng | 100 |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 109174 | 0.454 | ng | 100 |
| 33) Indeno(1,2,3-cd)pyrene | 26.43 | 276 | 52272 | 0.370 | ng | 100 |
| 35) Benzo(b)fluoranthene | 23.07 | 252 | 45120 | 0.385 | ng | 100 |
| 36) Benzo(k)fluoranthene | 23.13 | 252 | 46074 | 0.382 | ng | 100 |
| 37) Benzo(a)pyrene | 23.72 | 252 | 41516 | 0.380 | ng | 100 |
| 38) Dibenzo(a,h)anthracene | 26.46 | 278 | 41895 | 0.371 | ng | 100 |
| 39) Benzo(g,h,i)perylene | 27.23 | 276 | 43404 | 0.383 | ng | 100 |

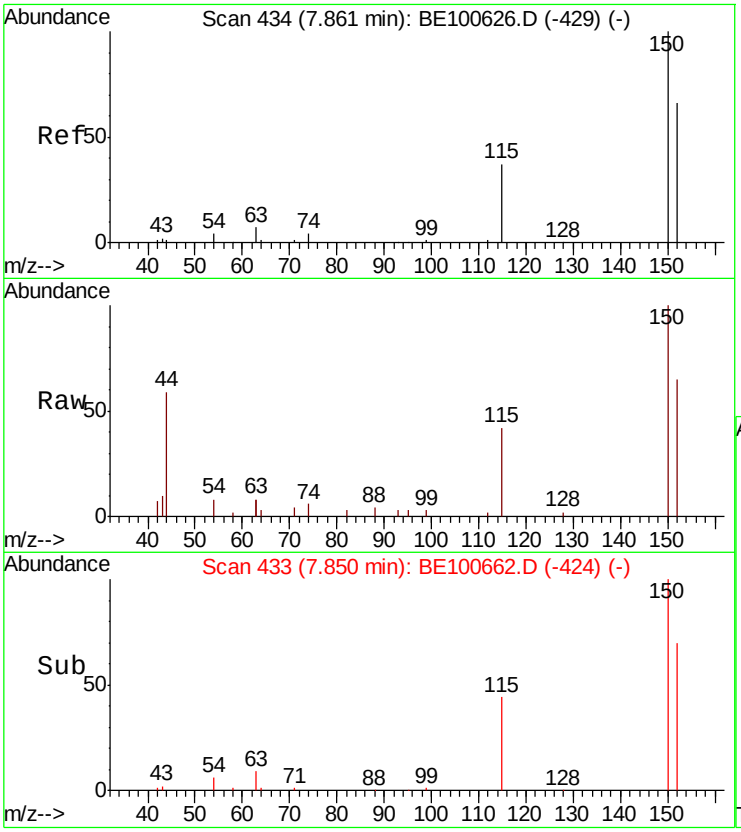
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
Data File : BE100662.D
Acq On : 23 Oct 2019 15:27
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Quant Time: Oct 23 16:58:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 23 16:49:33 2019
Response via : Initial Calibration



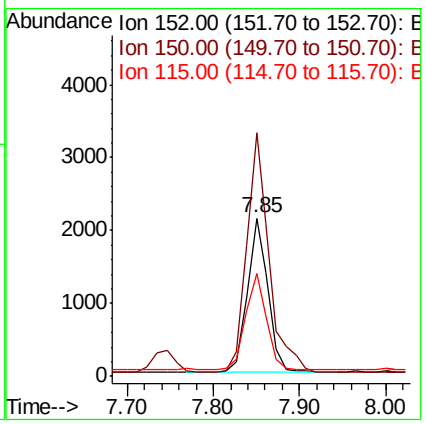


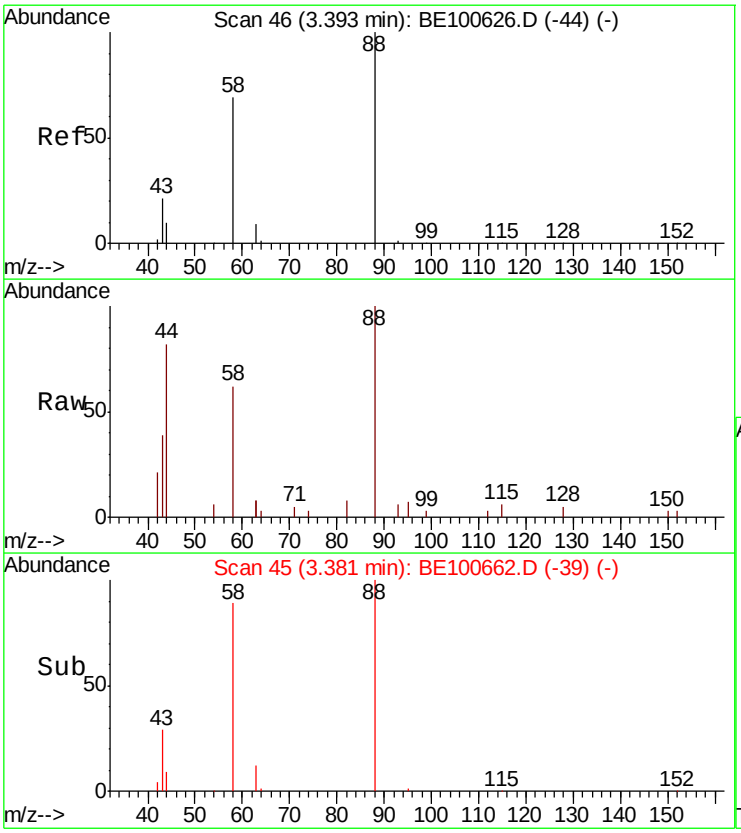

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:152 Resp: 3472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.1 | 123.3 | 184.9 |
| 115 | 64.9 | 51.9 | 77.9 |

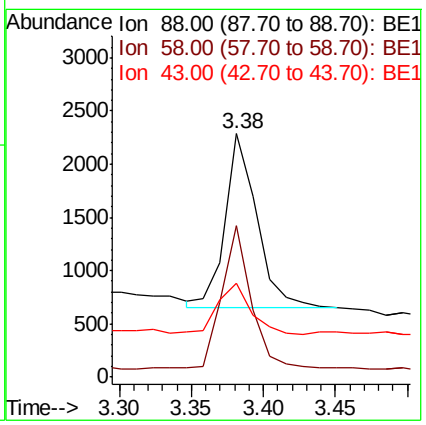


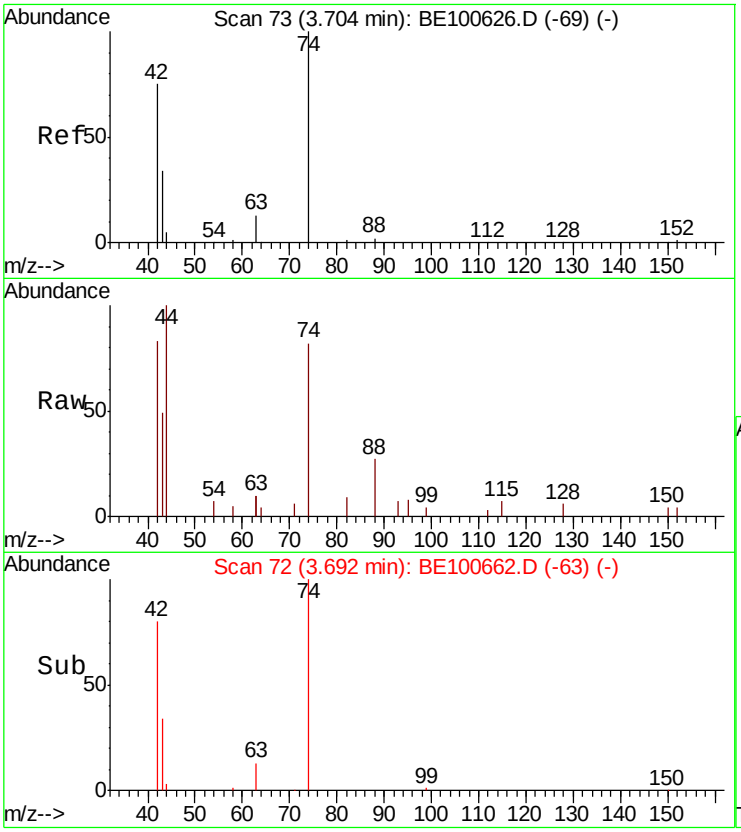




#2
1,4-Dioxane
Concen: 0.404 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion: 88 Resp: 2501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 74.7 | 59.8 | 89.6 |
| 43 | 31.5 | 24.6 | 36.8 |



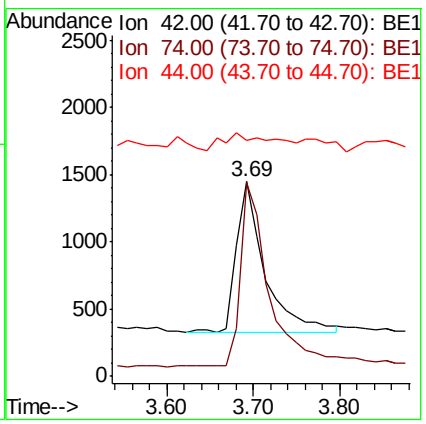


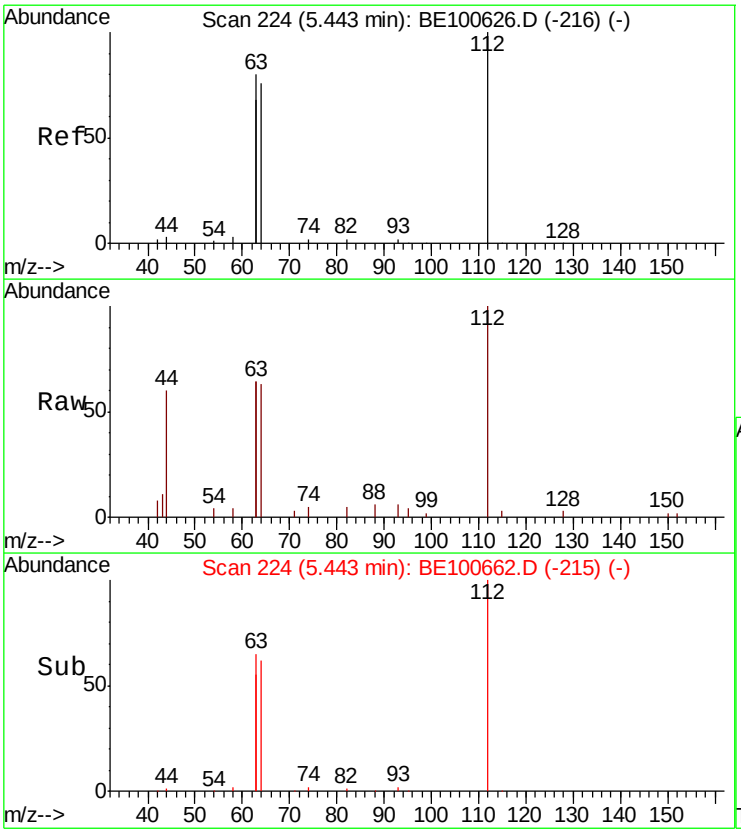

#3
n-Nitrosodimethylamine
Concen: 0.393 ng
RT: 3.69 min Scan# 72
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion: 42 Resp: 2578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 121.0 | 97.2 | 145.8 |
| 44 | 20.8 | 16.6 | 24.8 |

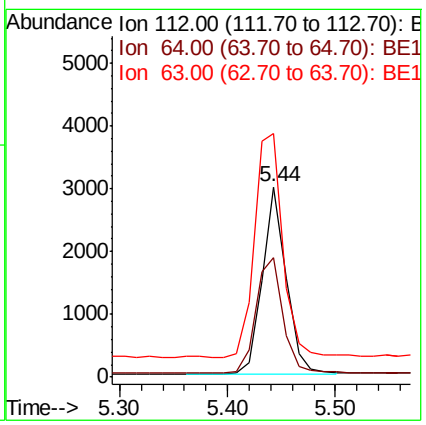


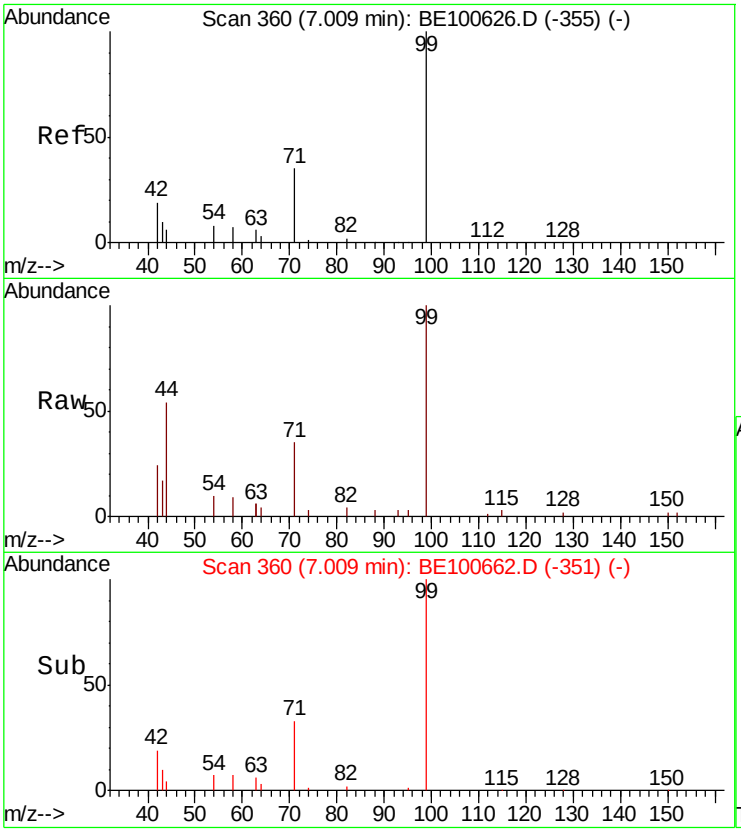




#4
2-Fluorophenol
Concen: 0.429 ng
RT: 5.44 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:112 Resp: 4597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.3 | 55.4 | 83.2 |
| 63 | 142.9 | 114.2 | 171.4 |



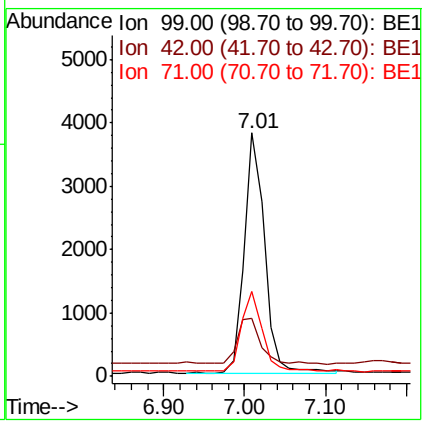


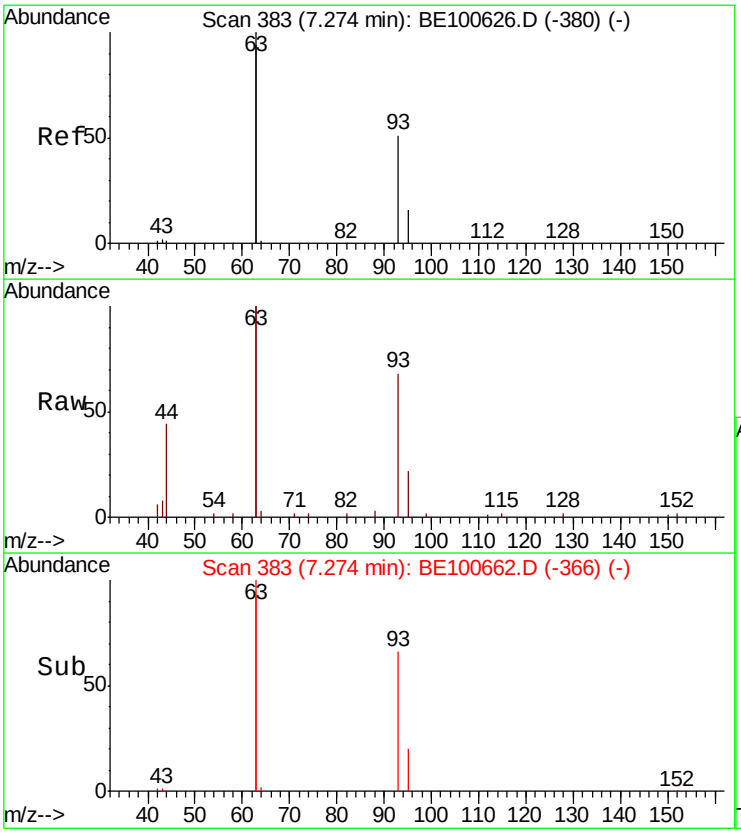

#5
Phenol-d6
Concen: 0.438 ng
RT: 7.01 min Scan# 360
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion: 99 Resp: 6623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.0 | 17.7 | 26.5 |
| 71 | 34.1 | 27.4 | 41.0 |

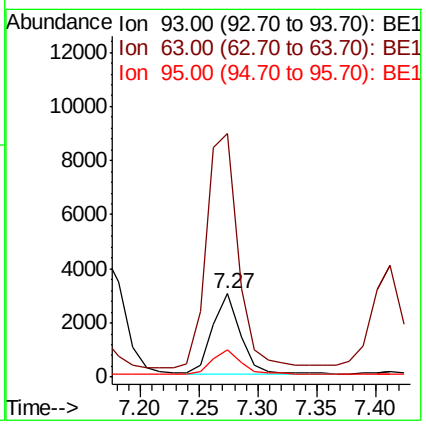


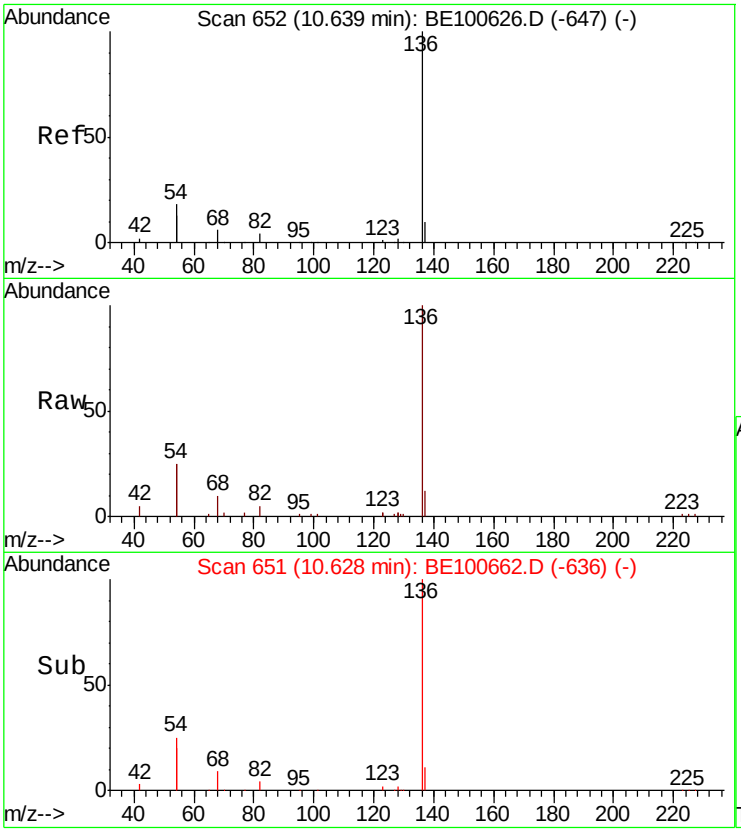




#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 7.27 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion: 93 Resp: 4811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 336.0 | 268.8 | 403.2 |
| 95 | 32.0 | 25.6 | 38.4 |



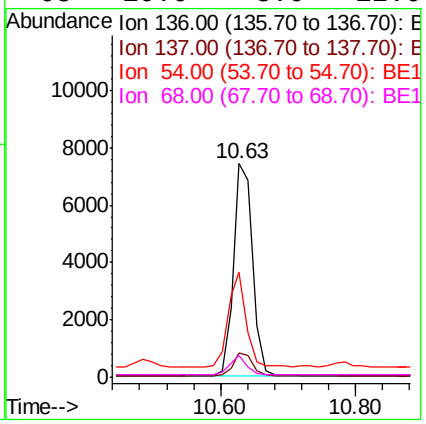


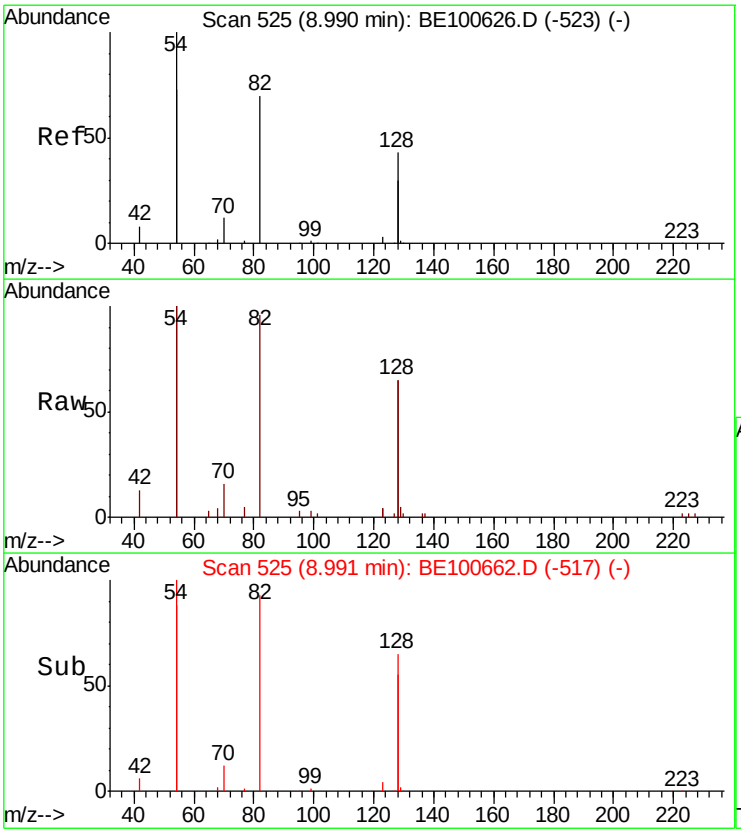

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:136 Resp: 14683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 9.2 | 13.8 |
| 54 | 49.3 | 39.4 | 59.2 |
| 68 | 10.0 | 8.0 | 12.0 |

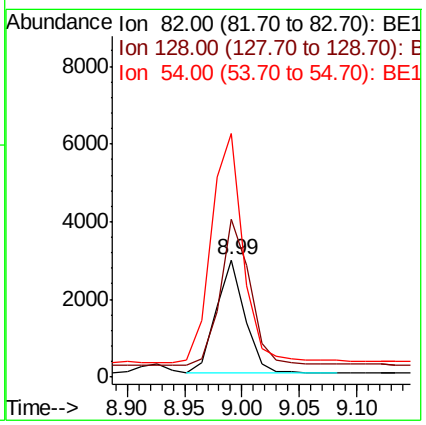


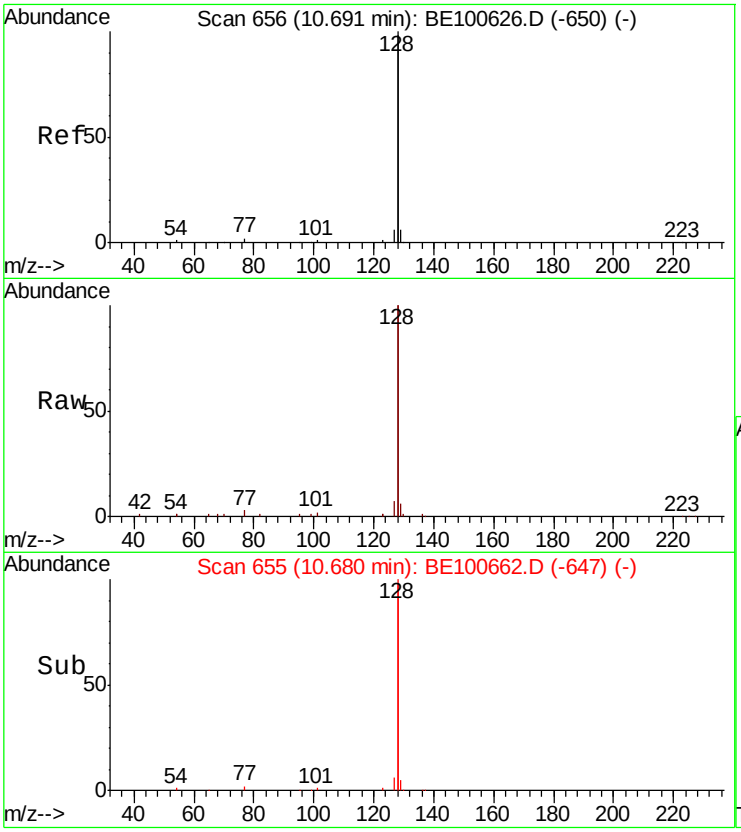




#8
Nitrobenzene-d5
Concen: 0.563 ng
RT: 8.99 min Scan# 525
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion: 82 Resp: 5128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 134.8 | 107.8 | 161.8 |
| 54 | 207.6 | 166.1 | 249.1 |



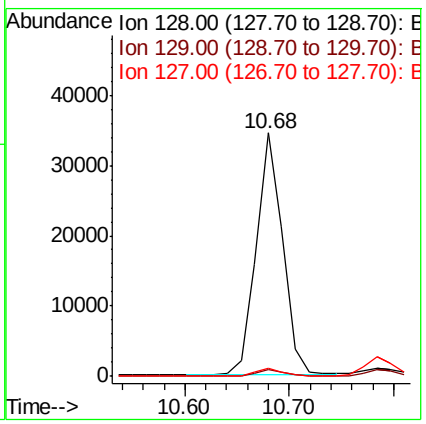


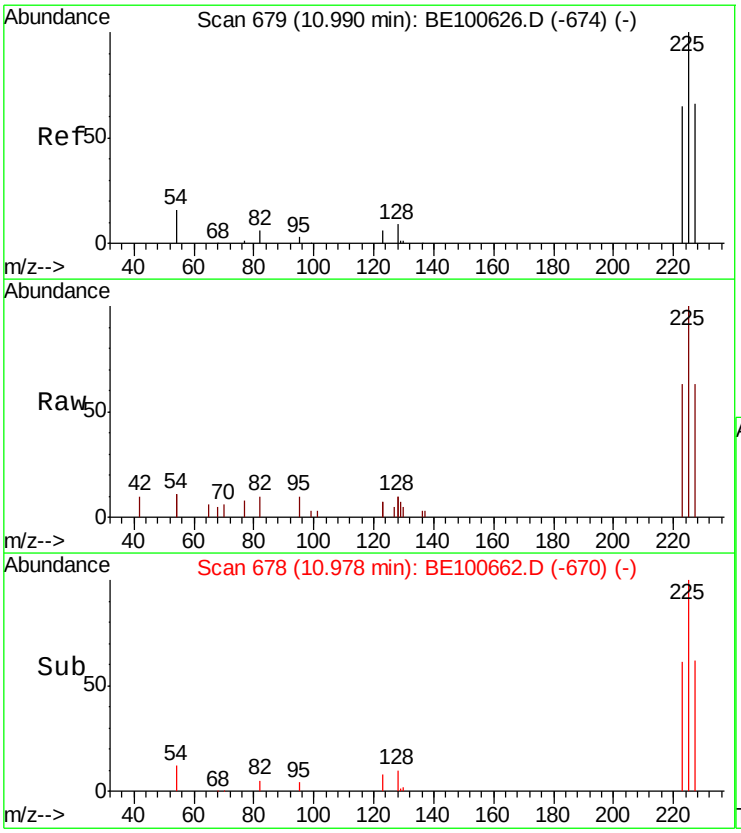

#9
Naphthalene
Concen: 0.389 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:128 Resp: 60133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.9 | 2.3 | 3.5 |
| 127 | 3.4 | 2.7 | 4.1 |

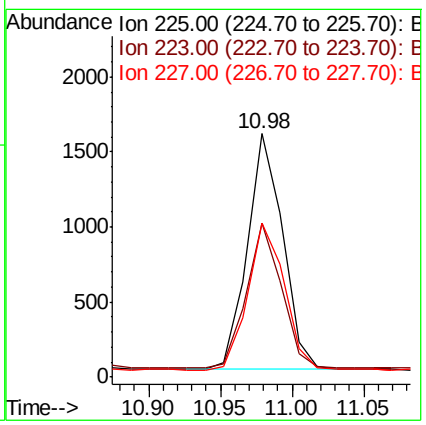


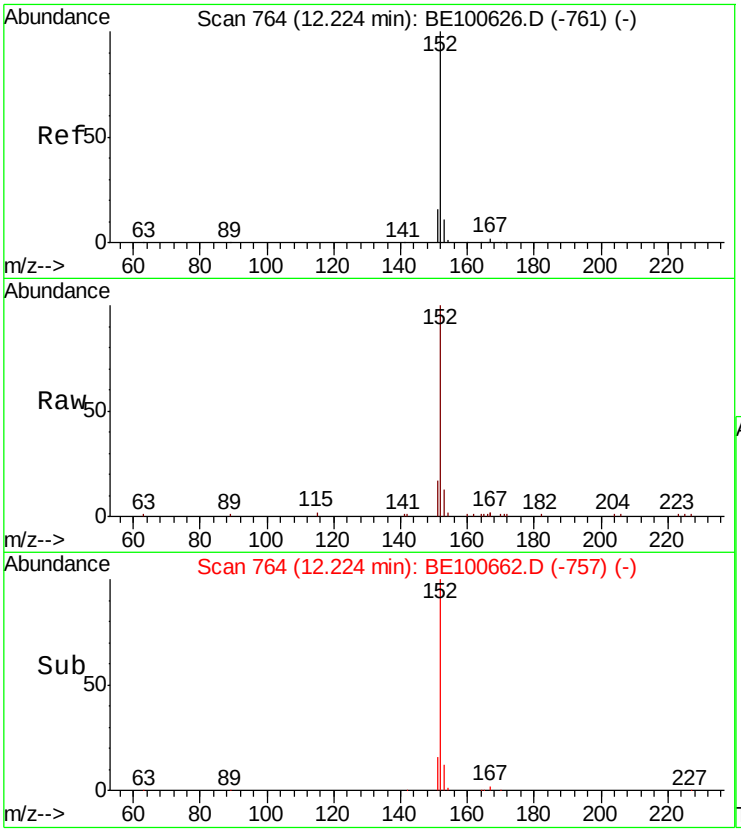




#10
Hexachlorobutadiene
Concen: 0.400 ng
RT: 10.98 min Scan# 678
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:225 Resp: 2684

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.7 | 48.6 | 72.8 |
| 227 | 64.5 | 51.6 | 77.4 |



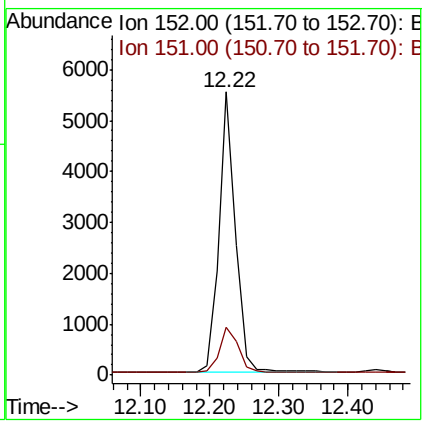


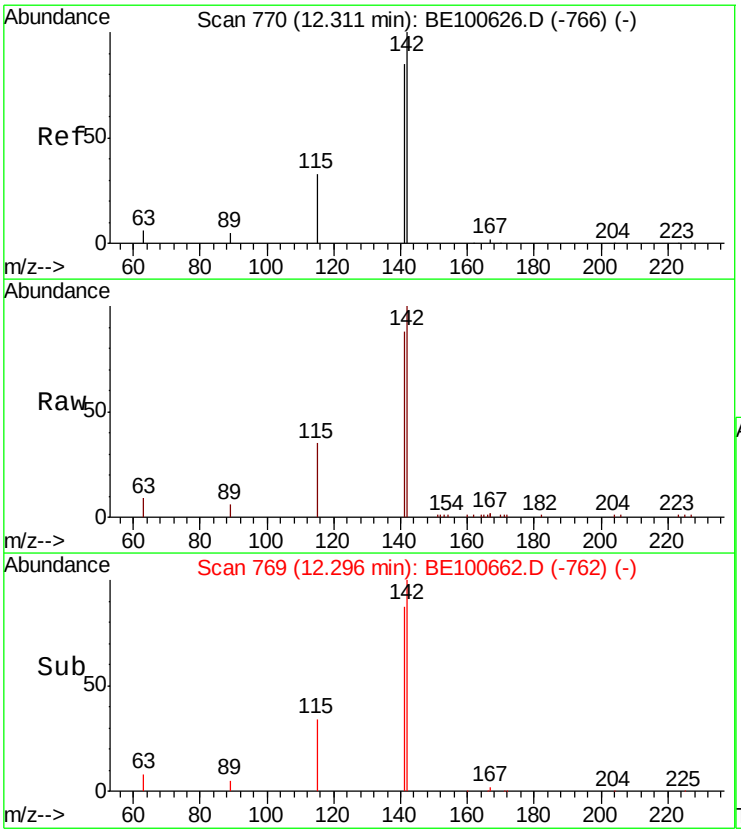

#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:152 Resp: 9176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.4 | 14.7 | 22.1 |

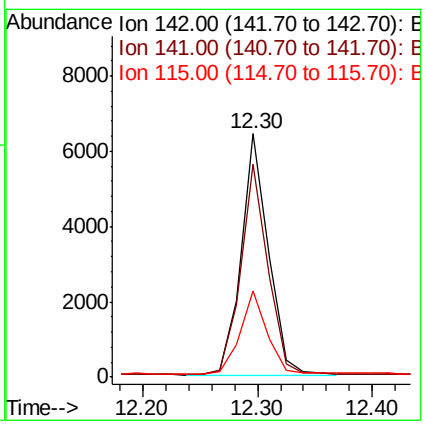


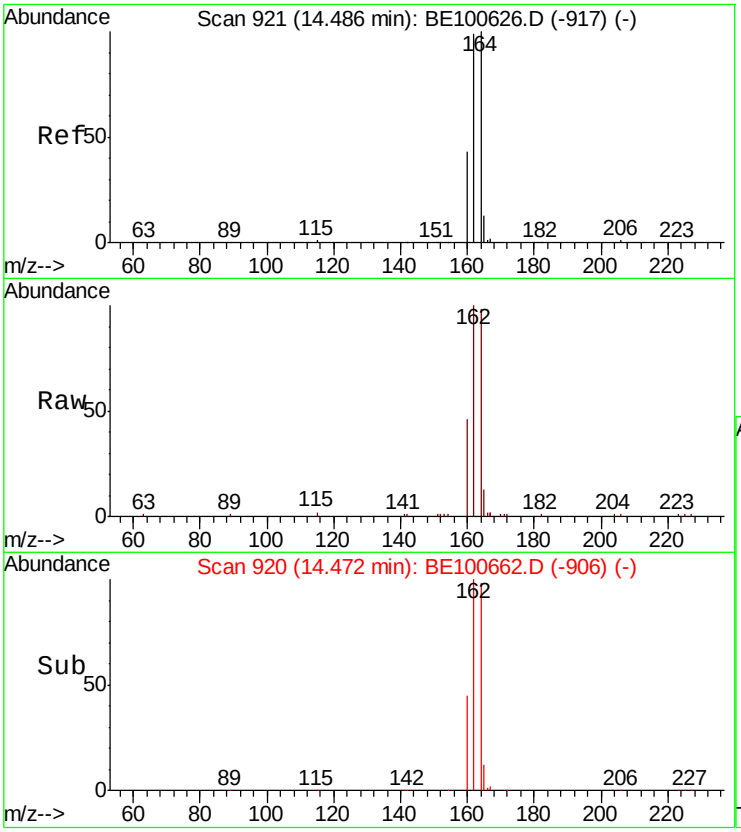




#12
2-Methylnaphthalene
Concen: 0.398 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:142 Resp: 10466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.6 | 70.1 | 105.1 |
| 115 | 35.4 | 28.3 | 42.5 |



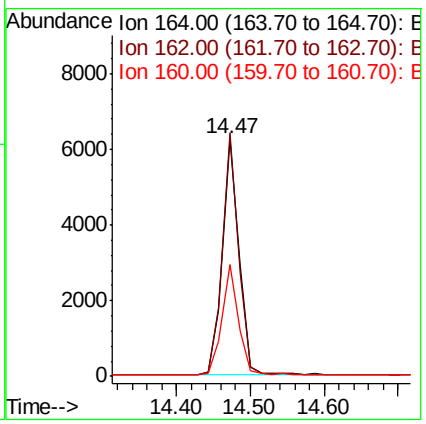


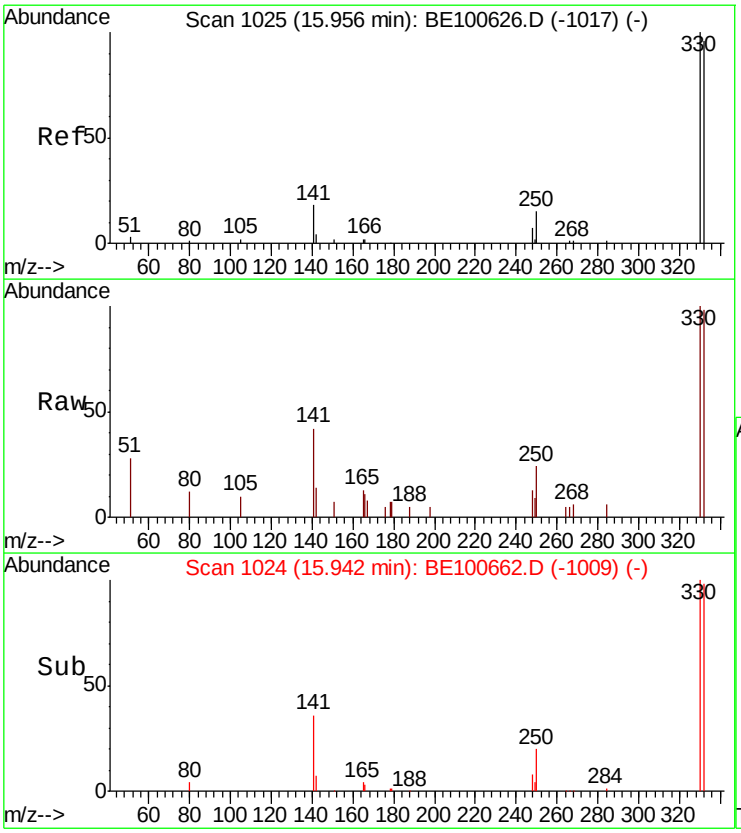

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:164 Resp: 9599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 82.0 | 123.0 |
| 160 | 46.9 | 37.5 | 56.3 |

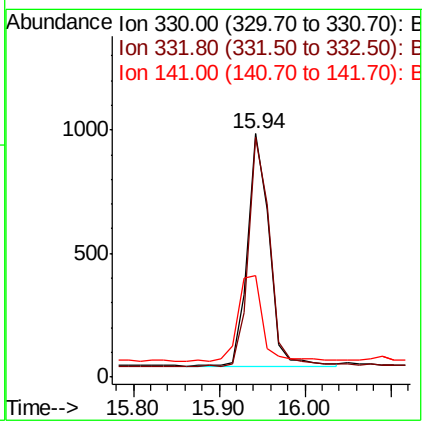


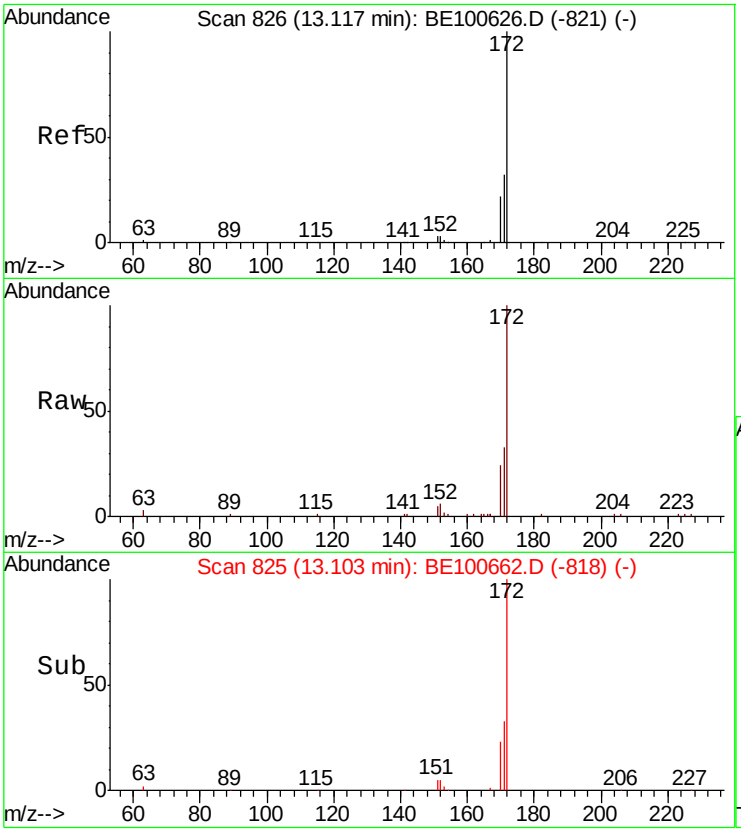




#14
2,4,6-Tribromophenol
Concen: 0.647 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:330 Resp: 1642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.9 | 116.9 |
| 141 | 41.3 | 33.0 | 49.6 |



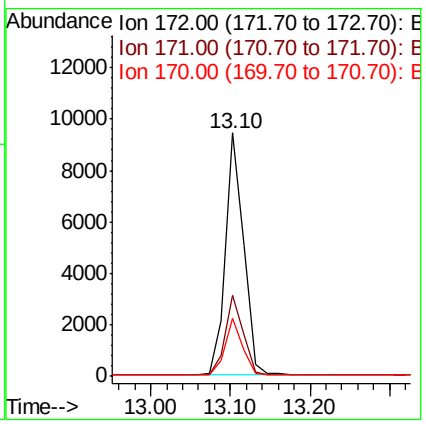


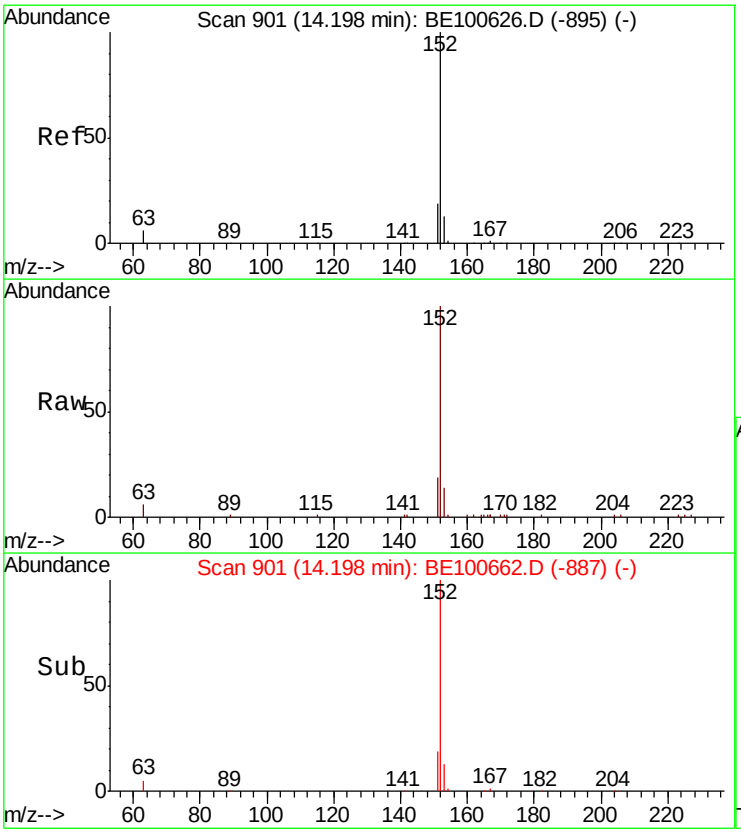

#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:172 Resp: 14931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.1 | 26.5 | 39.7 |
| 170 | 23.7 | 19.0 | 28.4 |

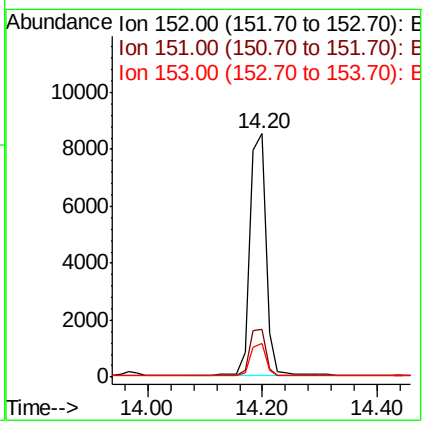


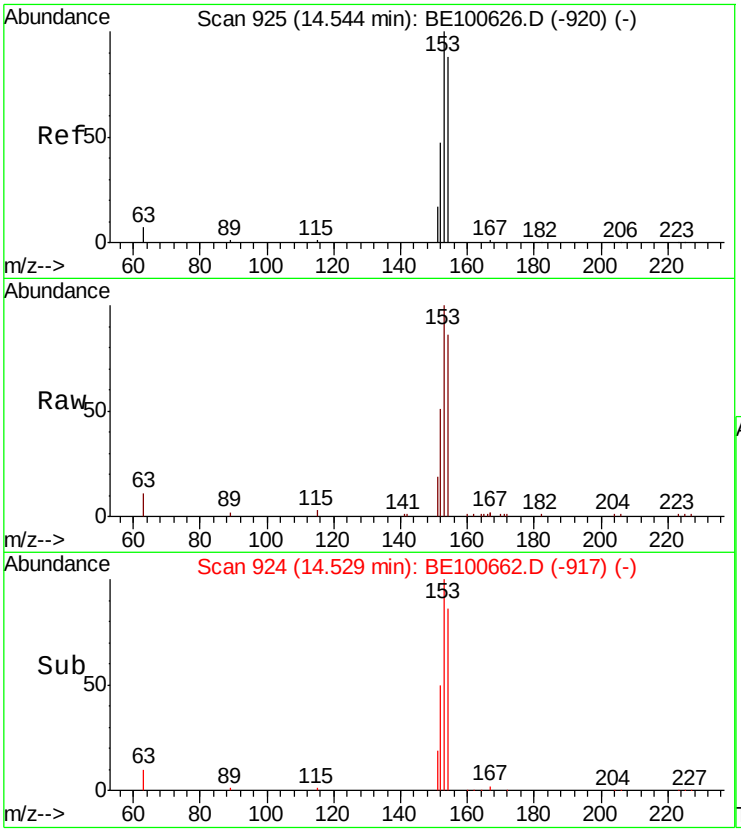




#16
Acenaphthylene
Concen: 0.402 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:152 Resp: 16610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 15.2 | 22.8 |
| 153 | 12.9 | 10.3 | 15.5 |



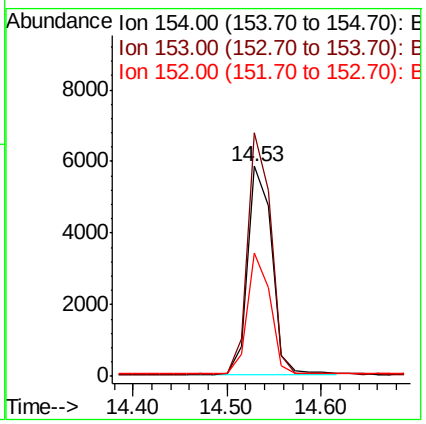


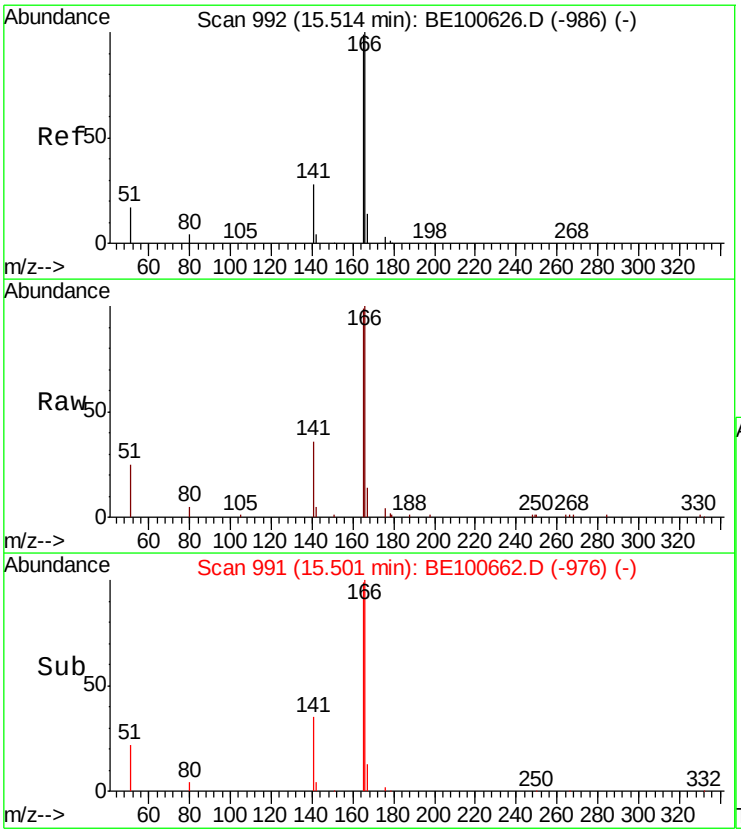

#17
Acenaphthene
Concen: 0.390 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:154 Resp: 10420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.8 | 89.4 | 134.2 |
| 152 | 55.1 | 44.1 | 66.1 |

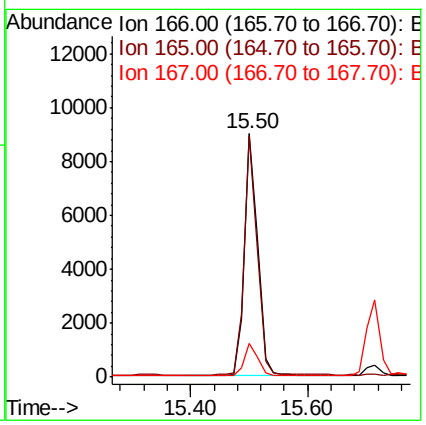


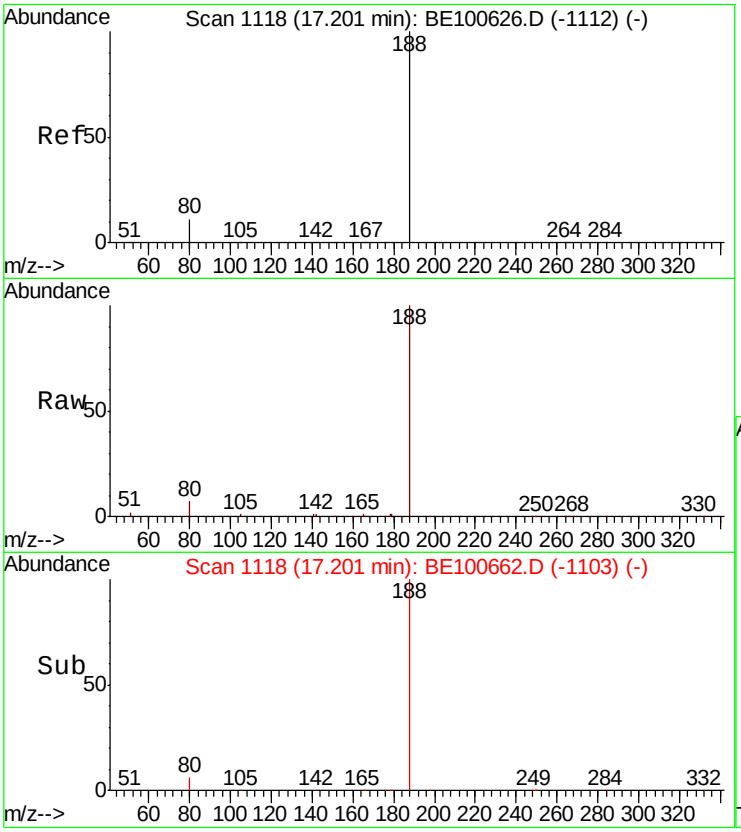




#18
Fluorene
Concen: 0.394 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:166 Resp: 13955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.2 | 78.6 | 117.8 |
| 167 | 13.6 | 10.9 | 16.3 |



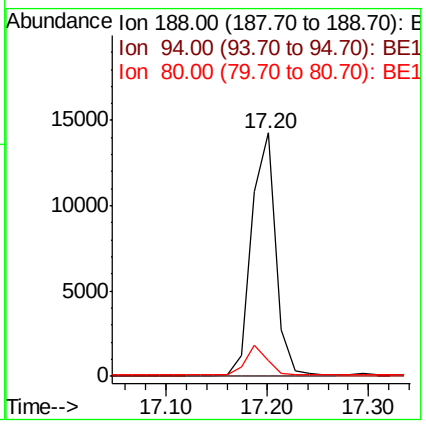


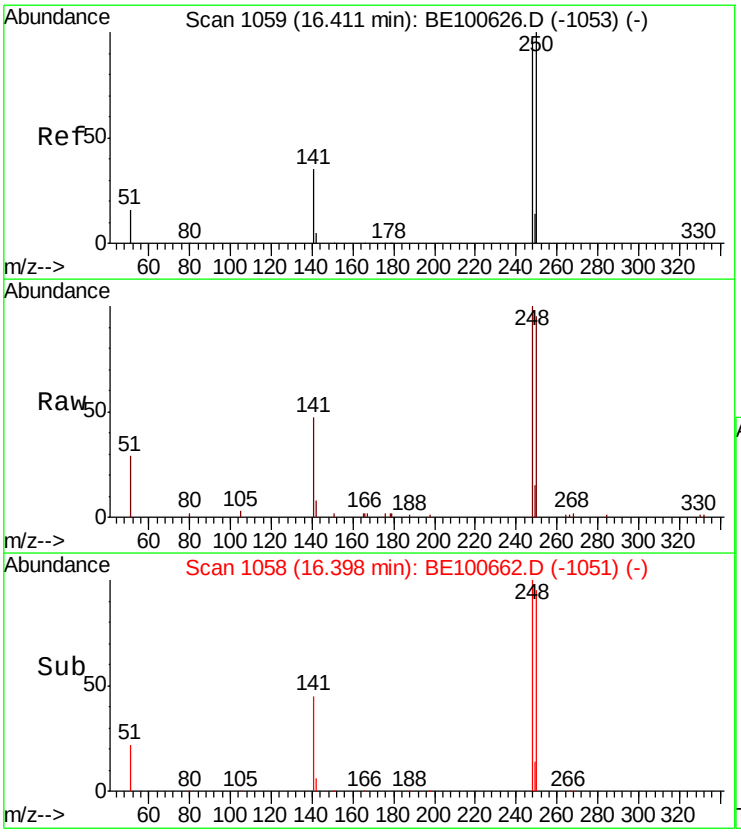

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:188 Resp: 23602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 6.7 | 5.4 | 8.0 |

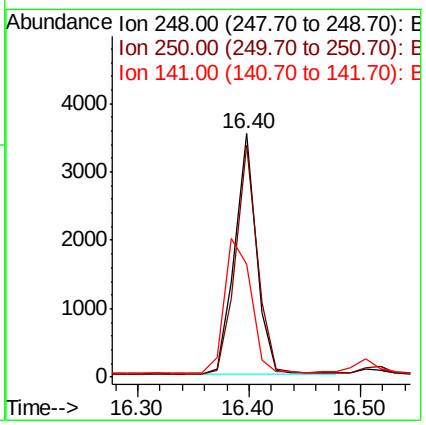


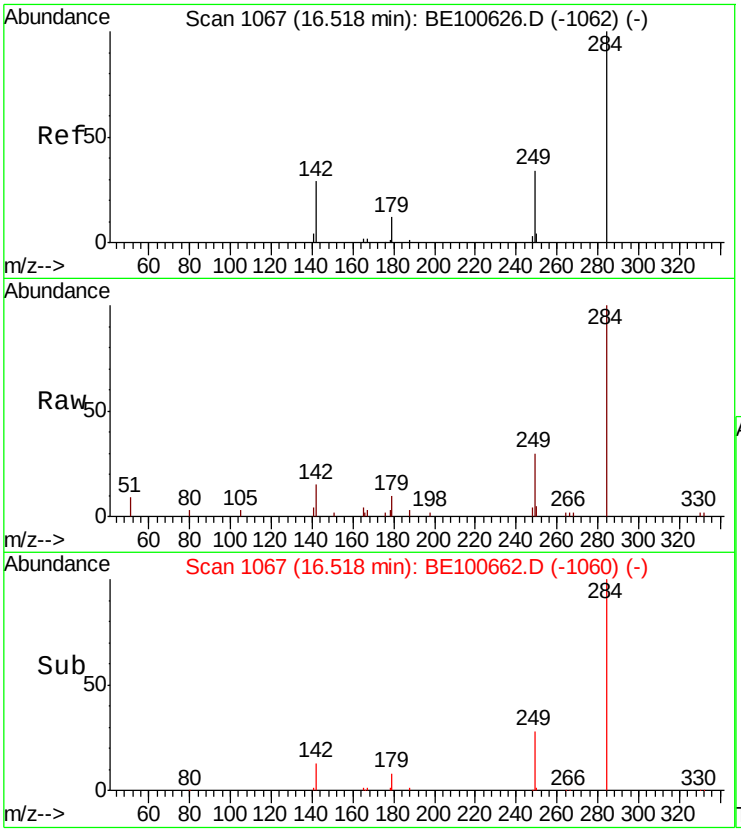




#20
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:248 Resp: 4748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.4 | 76.3 | 114.5 |
| 141 | 46.6 | 37.3 | 55.9 |



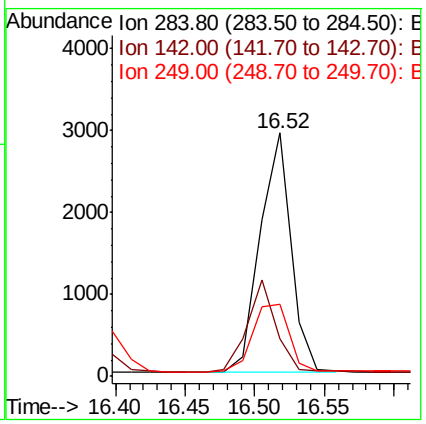


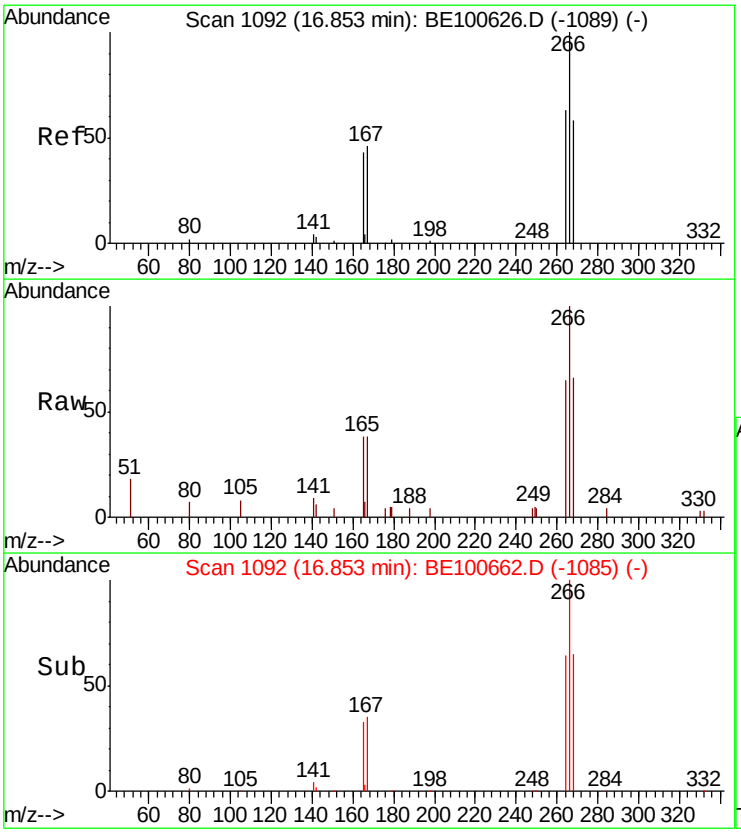

#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:284 Resp: 4516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 35.7 | 28.6 | 42.8 |
| 249 | 32.9 | 26.3 | 39.5 |

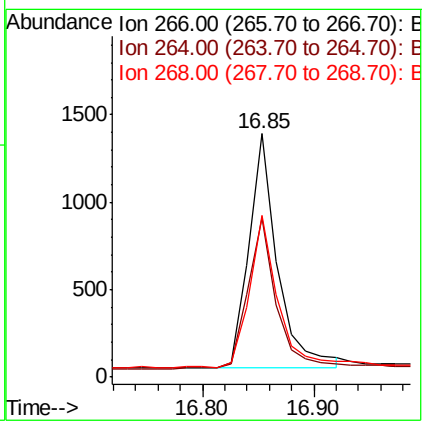


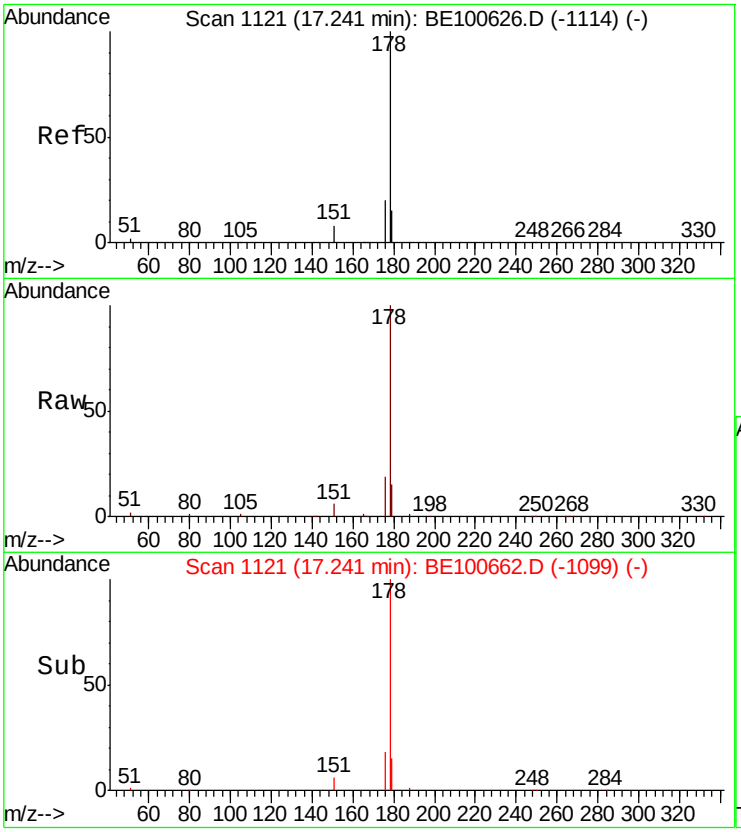




#22
Pentachlorophenol
Concen: 0.648 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:266 Resp: 2388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 65.3 | 52.2 | 78.4 |
| 268 | 66.4 | 53.1 | 79.7 |



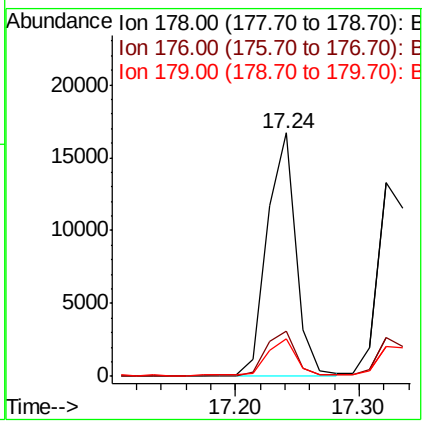


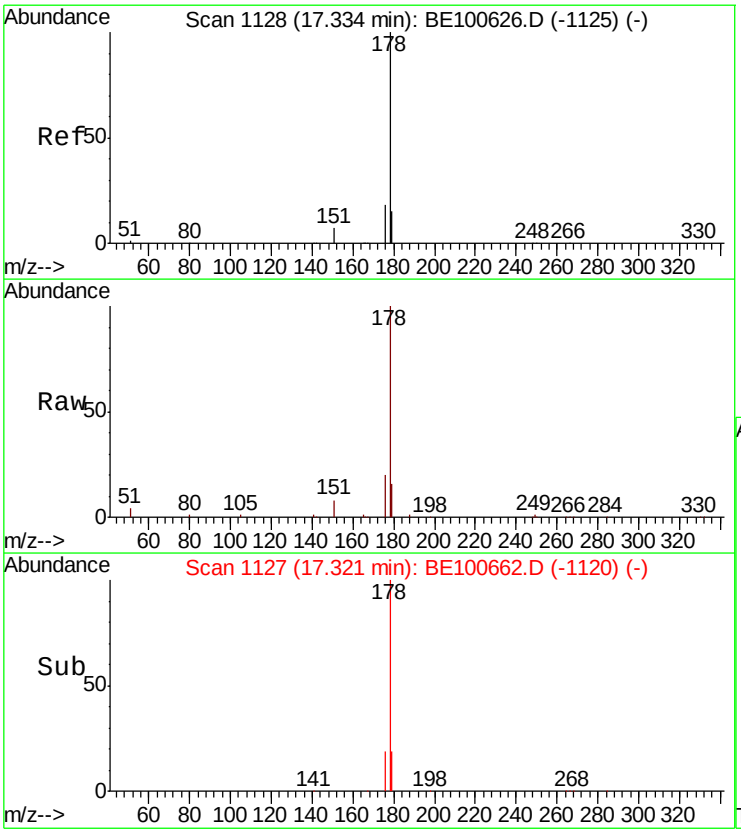

#23
Phenanthrene
Concen: 0.408 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:178 Resp: 26481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.1 | 12.1 | 18.1 |

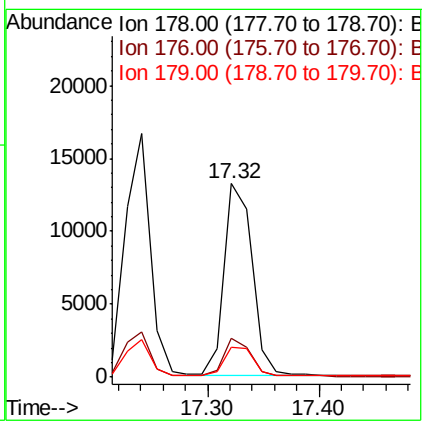


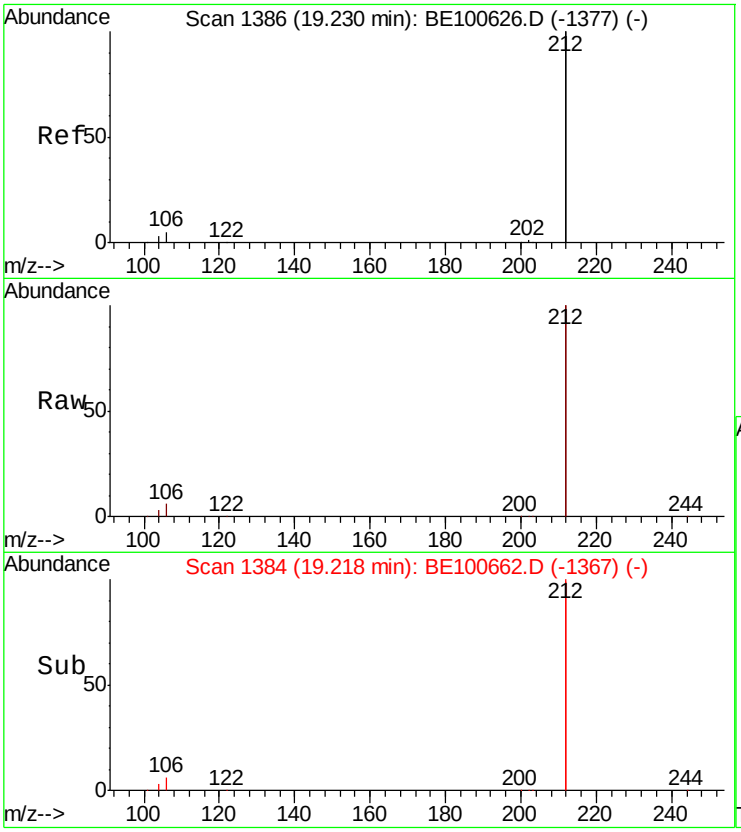




#24
Anthracene
Concen: 0.381 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:178 Resp: 22948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.4 |
| 179 | 15.5 | 12.5 | 18.7 |



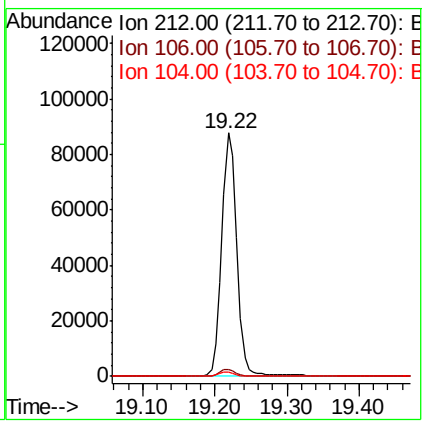


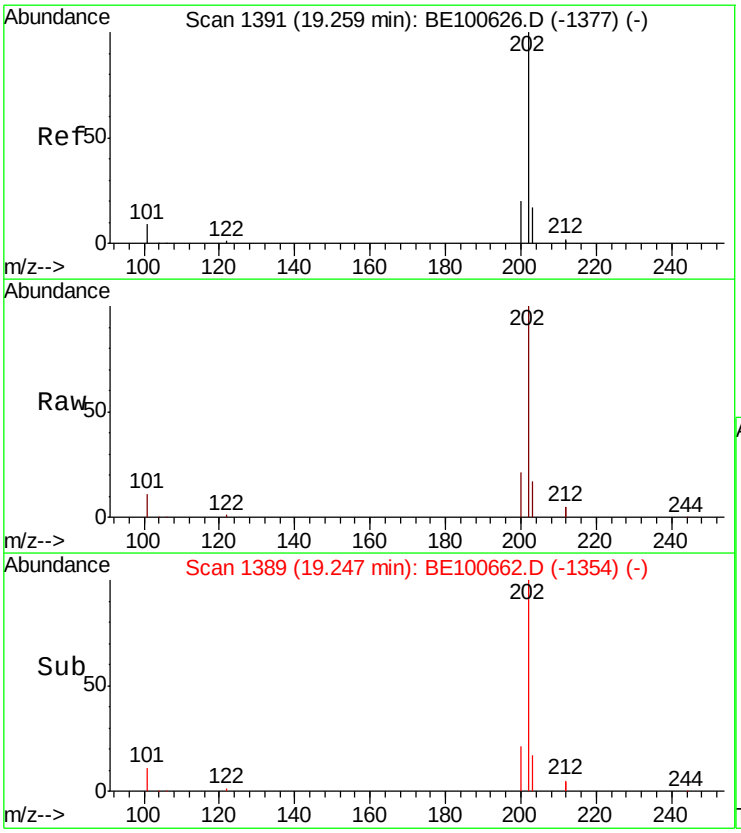

#25
Fluoranthene-d10
Concen: 0.414 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:212 Resp: 126173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 2.9 | 2.3 | 3.5 |
| 104 | 1.6 | 1.3 | 1.9 |

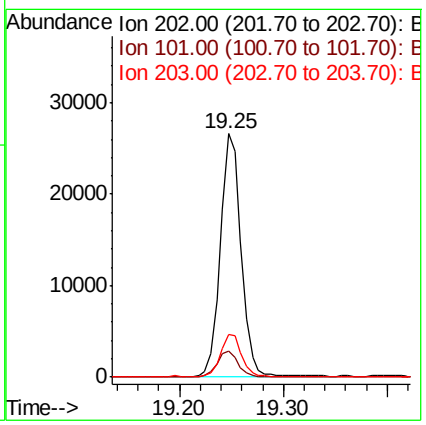


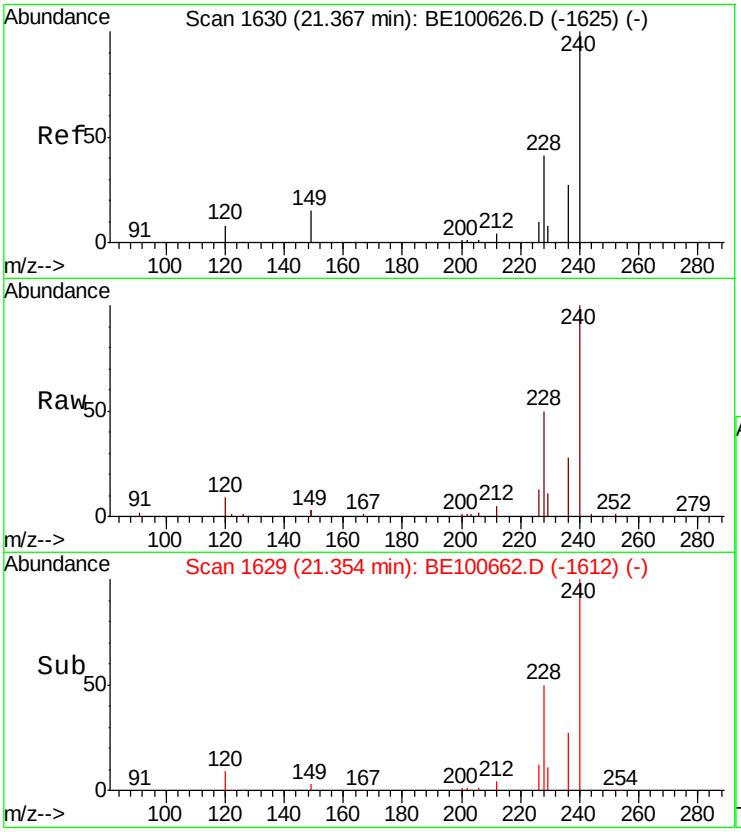




#26
Fluoranthene
Concen: 0.430 ng
RT: 19.25 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:202 Resp: 36422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 8.5 | 12.7 |
| 203 | 17.3 | 13.8 | 20.8 |



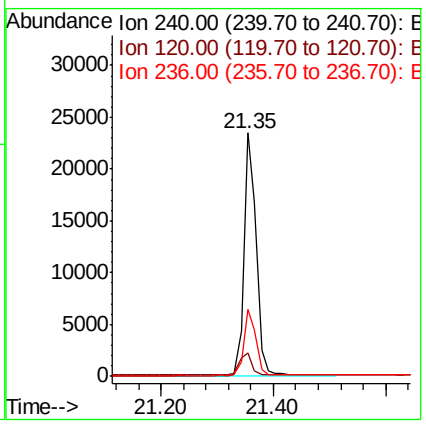


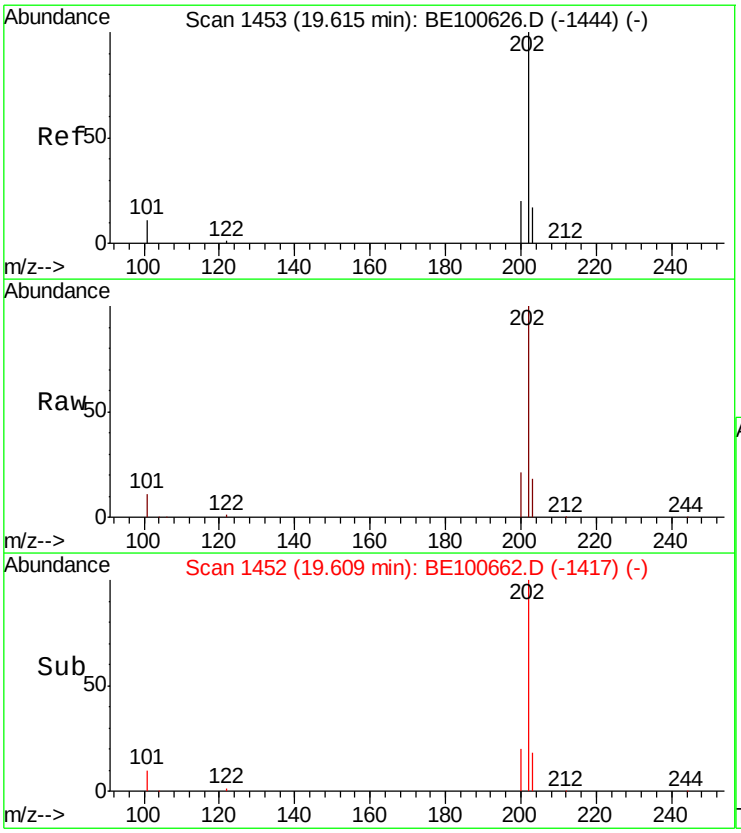

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:240 Resp: 35266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.5 | 7.6 | 11.4 |
| 236 | 27.6 | 22.1 | 33.1 |

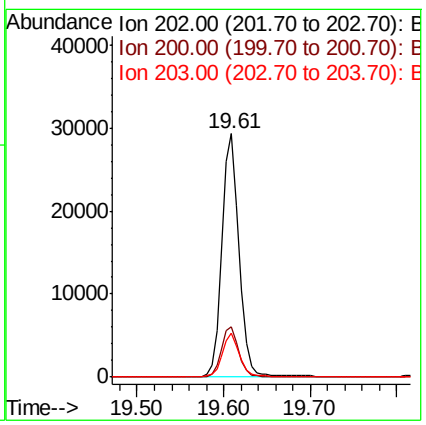


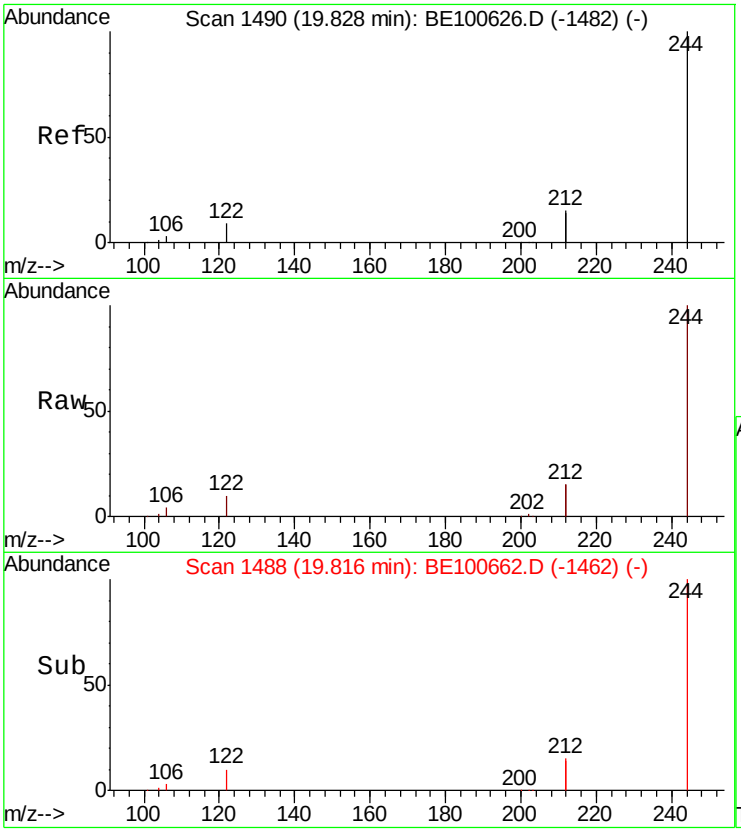




#28
Pyrene
Concen: 0.400 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:202 Resp: 39396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.7 | 25.1 |
| 203 | 17.5 | 14.0 | 21.0 |



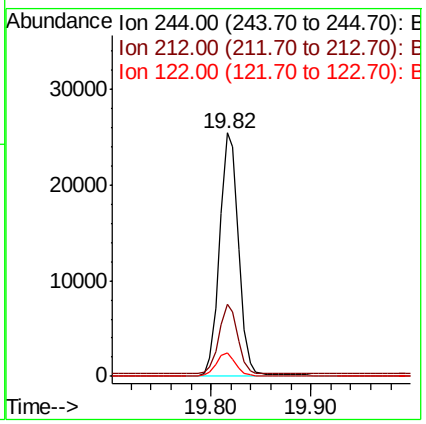


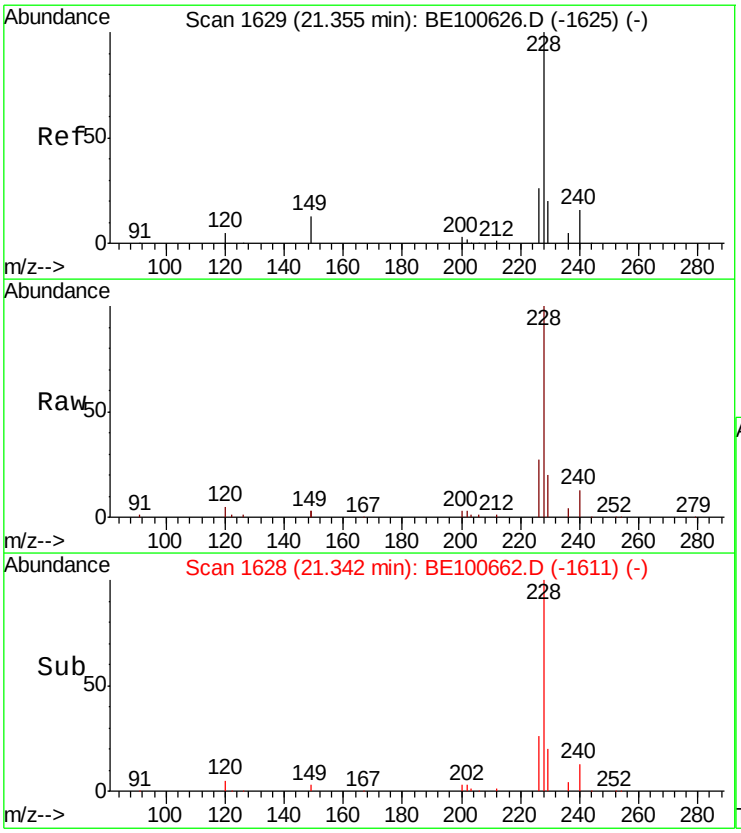

#29
Terphenyl-d14
Concen: 0.434 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:244 Resp: 33438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 29.6 | 23.7 | 35.5 |
| 122 | 9.9 | 7.9 | 11.9 |

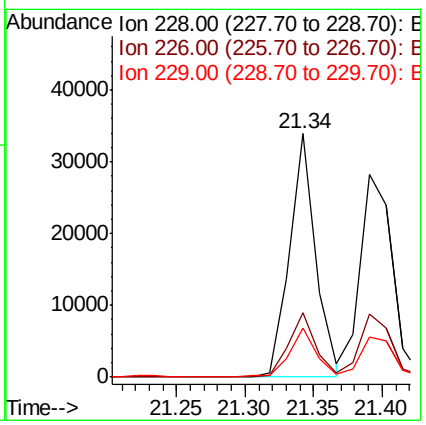


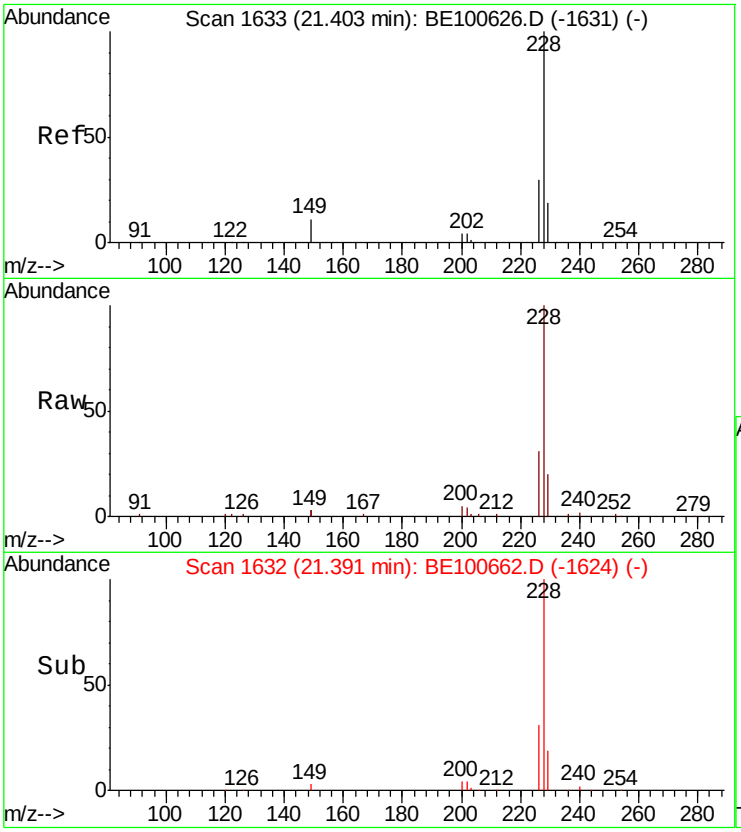




#30
Benzo(a)anthracene
Concen: 0.387 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:228 Resp: 44469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.7 | 21.4 | 32.0 |
| 229 | 20.0 | 16.0 | 24.0 |



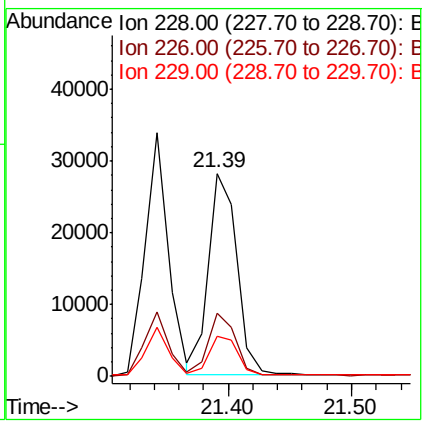


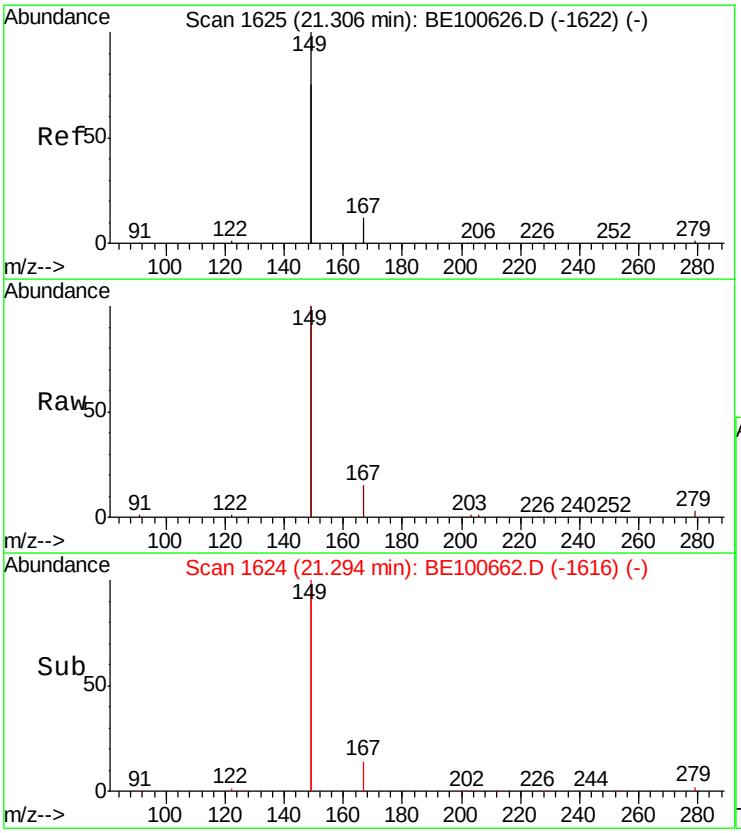

#31
Chrysene
Concen: 0.393 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:228 Resp: 45138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.6 | 37.0 |
| 229 | 19.8 | 15.8 | 23.8 |

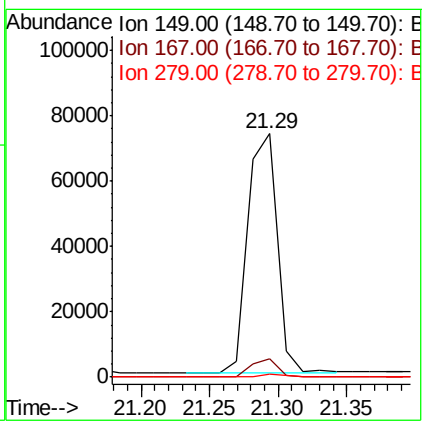


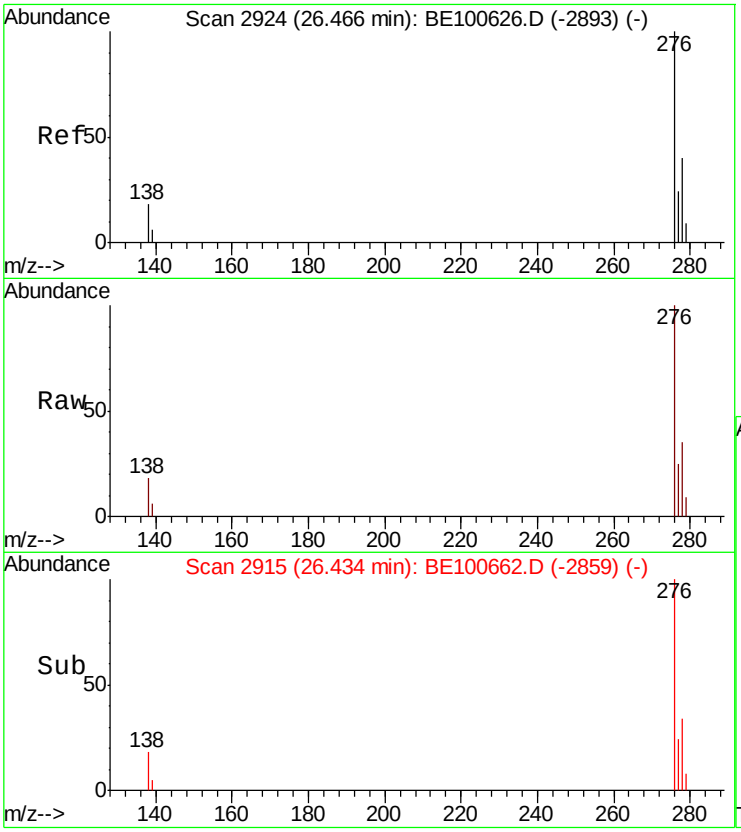




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.454 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:149 Resp: 109174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.9 | 5.5 | 8.3 |
| 279 | 1.1 | 0.9 | 1.3 |



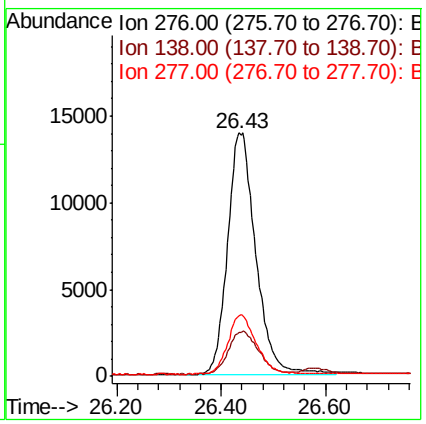


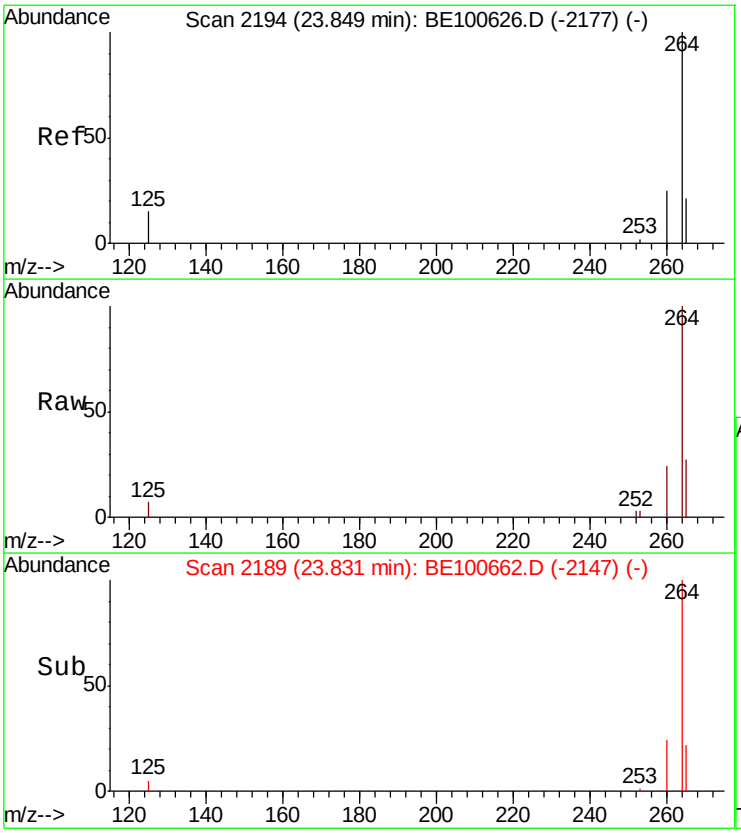

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.370 ng
RT: 26.43 min Scan# 2915
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:276 Resp: 52272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.1 | 15.3 | 22.9 |
| 277 | 24.3 | 19.4 | 29.2 |

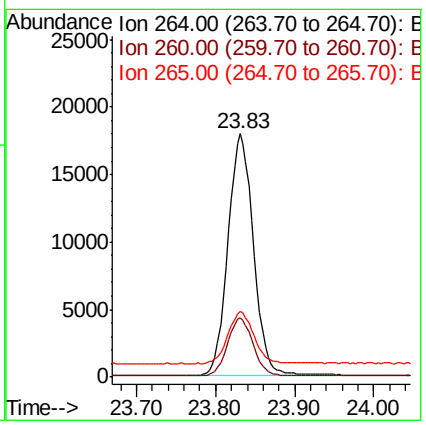


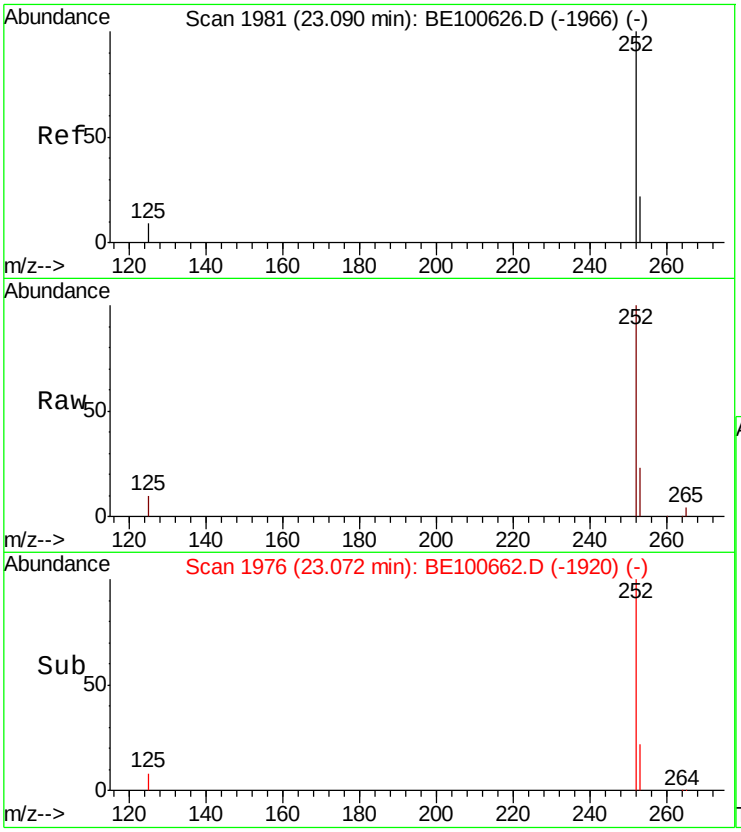




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:264 Resp: 40206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.2 |
| 265 | 27.1 | 21.7 | 32.5 |



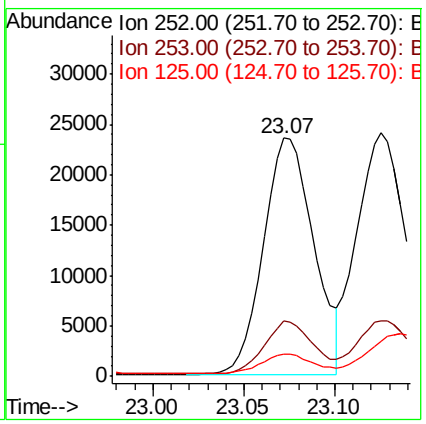


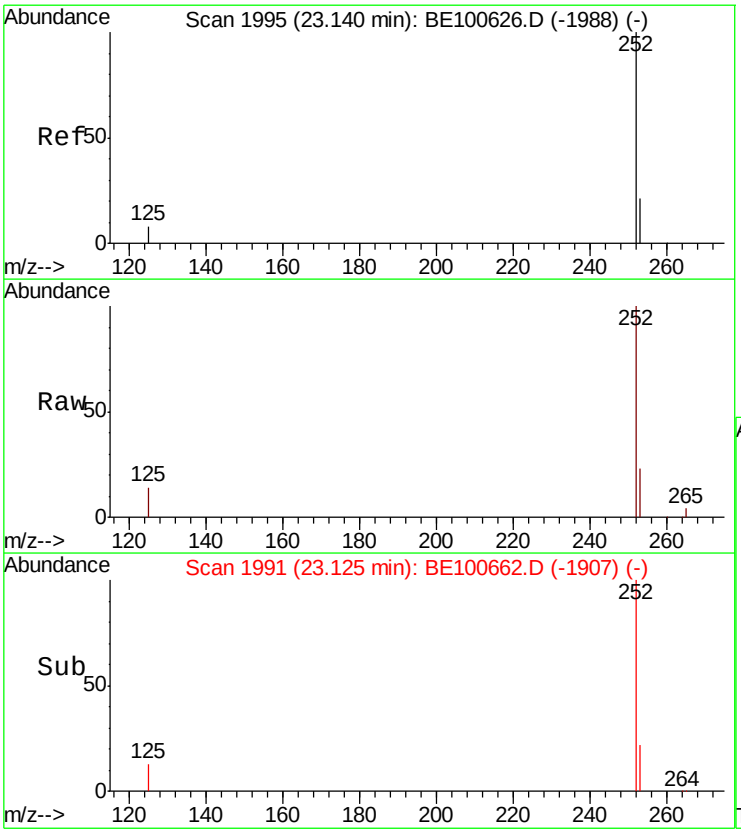

#35
Benzo(b)fluoranthene
Concen: 0.385 ng
RT: 23.07 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:252 Resp: 45120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.4 | 27.6 |
| 125 | 9.5 | 7.6 | 11.4 |

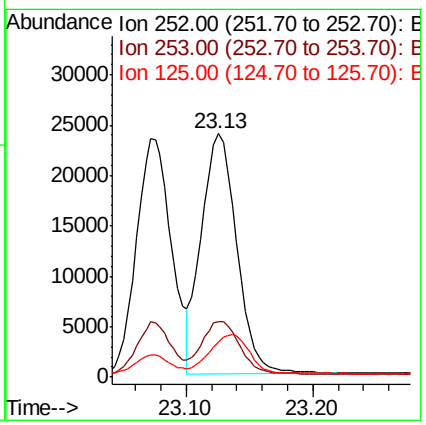


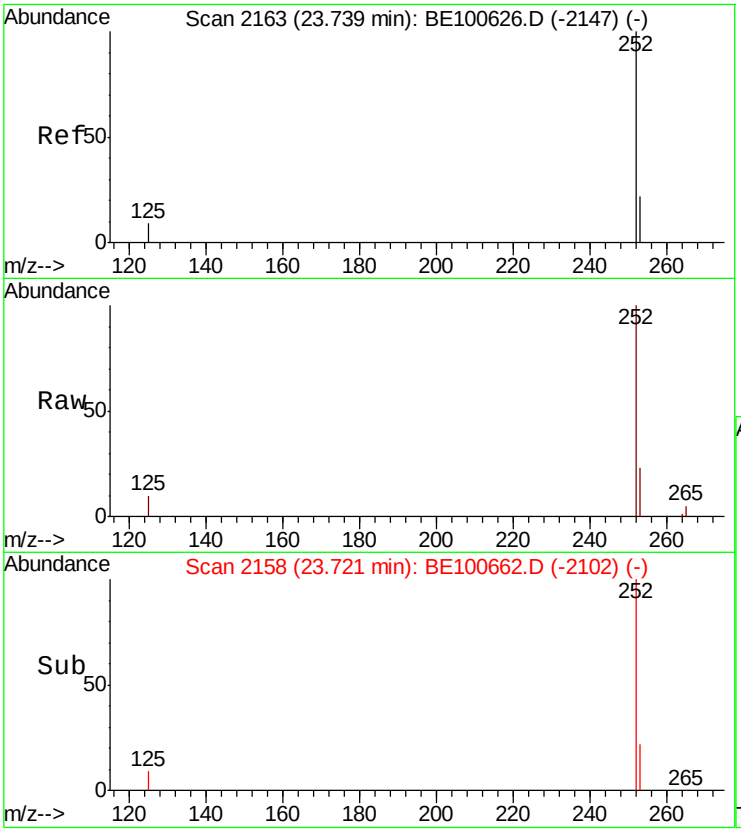




#36
Benzo(k)fluoranthene
Concen: 0.382 ng
RT: 23.13 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:252 Resp: 46074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.4 | 27.6 |
| 125 | 14.5 | 11.6 | 17.4 |



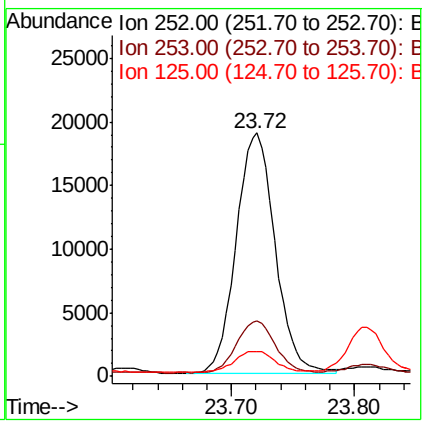


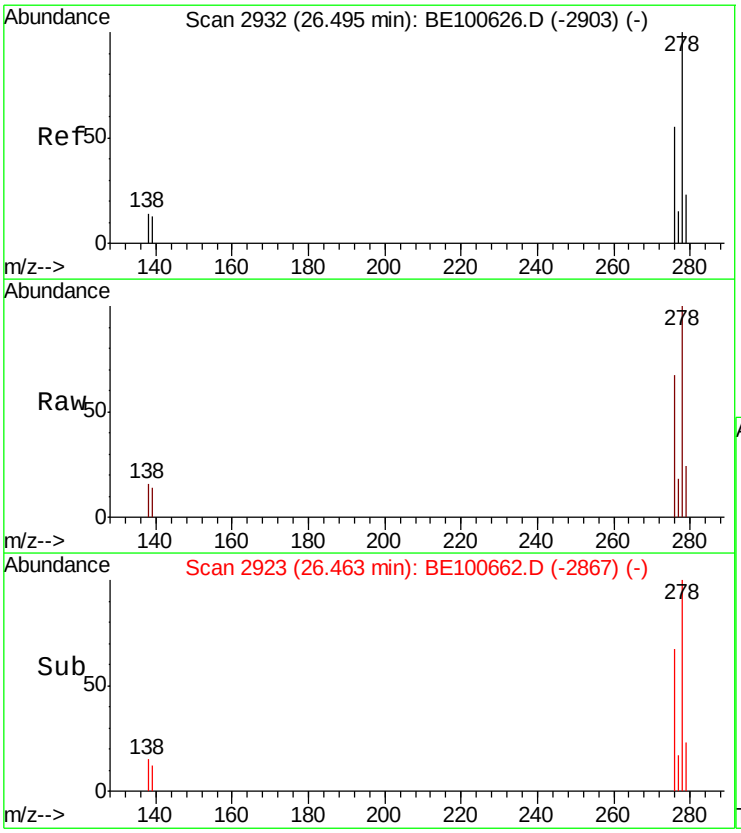

#37
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.72 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:252 Resp: 41516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.4 | 27.6 |
| 125 | 10.3 | 8.2 | 12.4 |

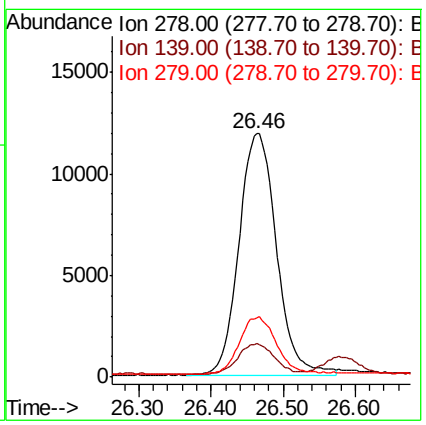


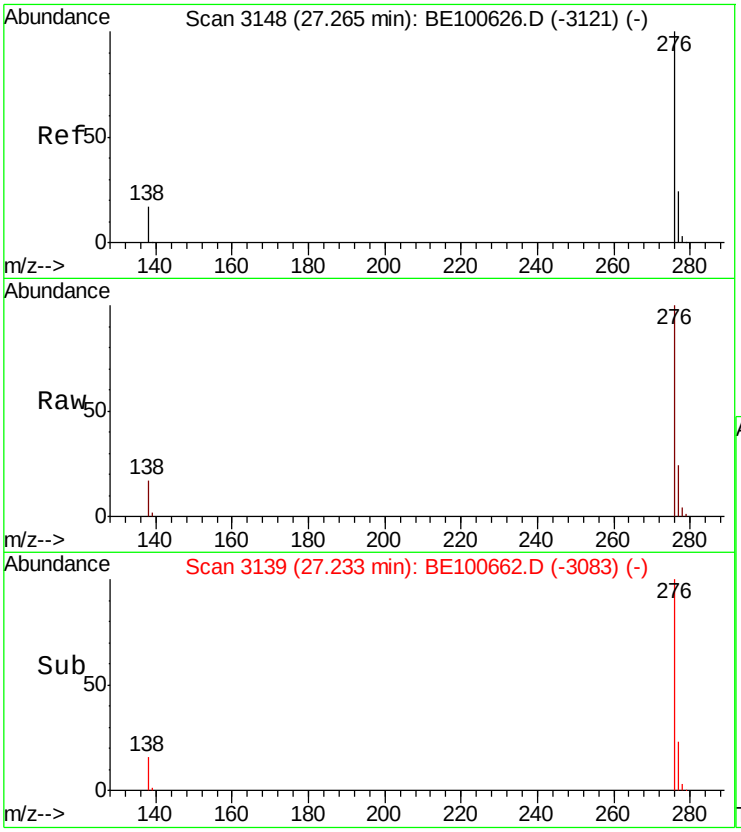




#38
Dibenzo(a,h)anthracene
Concen: 0.371 ng
RT: 26.46 min Scan# 2923
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

Tgt Ion:278 Resp: 41895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 13.6 | 10.9 | 16.3 |
| 279 | 24.3 | 19.4 | 29.2 |






#39
Benzo(g,h,i)perylene
Concen: 0.383 ng
RT: 27.23 min Scan# 3139
Delta R.T. 0.00 min
Lab File: BE100662.D
Acq: 23 Oct 2019 15:27

**Instrument :**
BNA_E
**ClientSampleId :**
SSTDCCC0.4

Tgt Ion:276 Resp: 43404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 19.4 | 29.0 |
| 138 | 17.0 | 13.6 | 20.4 |