Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100818\
Data File : BE097795.D
Acq On : 8 Oct 2018 15:35
Operator : SJ/JU
Sample : PB113550BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB113550BS

Quant Time: Oct 09 06:57:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.88 | 152 | 4988 | 0.40 | ng | | -0.01 |
| 7) Naphthalene-d8 | 10.69 | 136 | 19049 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.54 | 164 | 8990 | 0.40 | ng | | -0.02 |
| 19) Phenanthrene-d10 | 17.29 | 188 | 20642 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.48 | 240 | 21693 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 24.02 | 264 | 22820 | 0.40 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.47 | 112 | 4767 | 0.40 | ng | | 0.00 |
| 5) Phenol-d6 | 7.04 | 99 | 6253 | 0.35 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.03 | 82 | 4190 | 0.68 | ng | | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.28 | 152 | 14975 | 0.49 | ng | | -0.02 |
| 14) 2,4,6-Tribromophenol | 16.03 | 330 | 645 | 0.40 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.17 | 172 | 16822 | 0.42 | ng | | -0.02 |
| 25) Fluoranthene-d10 | 19.32 | 212 | 91332 | 0.35 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.92 | 244 | 16080 | 0.36 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 3737 | 0.376 | ng | # | 92 |
| 3) n-Nitrosodimethylamine | 3.70 | 42 | 3444 | 0.381 | ng | # | 85 |
| 6) bis(2-Chloroethyl)ether | 7.31 | 93 | 6414 | 0.343 | ng | | 96 |
| 9) Naphthalene | 10.73 | 128 | 77980 | 0.406 | ng | | 100 |
| 10) Hexachlorobutadiene | 11.03 | 225 | 3850 | 0.378 | ng | | 98 |
| 12) 2-Methylnaphthalene | 12.35 | 142 | 12406 | 0.404 | ng | | 96 |
| 16) Acenaphthylene | 14.27 | 152 | 15602 | 0.392 | ng | | 99 |
| 17) Acenaphthene | 14.61 | 154 | 9946 | 0.390 | ng | | 98 |
| 18) Fluorene | 15.59 | 166 | 13032 | 0.385 | ng | | 99 |
| 20) 4-Bromophenyl-phenylether | 16.49 | 248 | 4349 | 0.402 | ng | | 96 |
| 21) Hexachlorobenzene | 16.59 | 284 | 4484 | 0.368 | ng | | 96 |
| 22) Pentachlorophenol | 16.94 | 266 | 1380 | 0.722 | ng | | 93 |
| 23) Phenanthrene | 17.33 | 178 | 21974 | 0.413 | ng | | 99 |
| 24) Anthracene | 17.42 | 178 | 18366 | 0.400 | ng | | 98 |
| 26) Fluoranthene | 19.35 | 202 | 24298 | 0.359 | ng | | 100 |
| 28) Pyrene | 19.71 | 202 | 23977 | 0.435 | ng | | 100 |
| 30) Benzo(a)anthracene | 21.46 | 228 | 24395 | 0.418 | ng | | 99 |
| 31) Chrysene | 21.51 | 228 | 28000 | 0.429 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.40 | 149 | 18116 | 0.425 | ng | # | 100 |
| 33) Indeno(1,2,3-cd)pyrene | 26.71 | 276 | 30440 | 0.538 | ng | | 98 |
| 35) Benzo(b)fluoranthene | 23.24 | 252 | 25865 | 0.413 | ng | | 98 |
| 36) Benzo(k)fluoranthene | 23.29 | 252 | 29104 | 0.419 | ng | | 99 |
| 37) Benzo(a)pyrene | 23.91 | 252 | 23797 | 0.420 | ng | | 98 |
| 38) Dibenzo(a,h)anthracene | 26.74 | 278 | 26029 | 0.466 | ng | | 96 |
| 39) Benzo(g,h,i)perylene | 27.53 | 276 | 28711 | 0.491 | ng | | 99 |

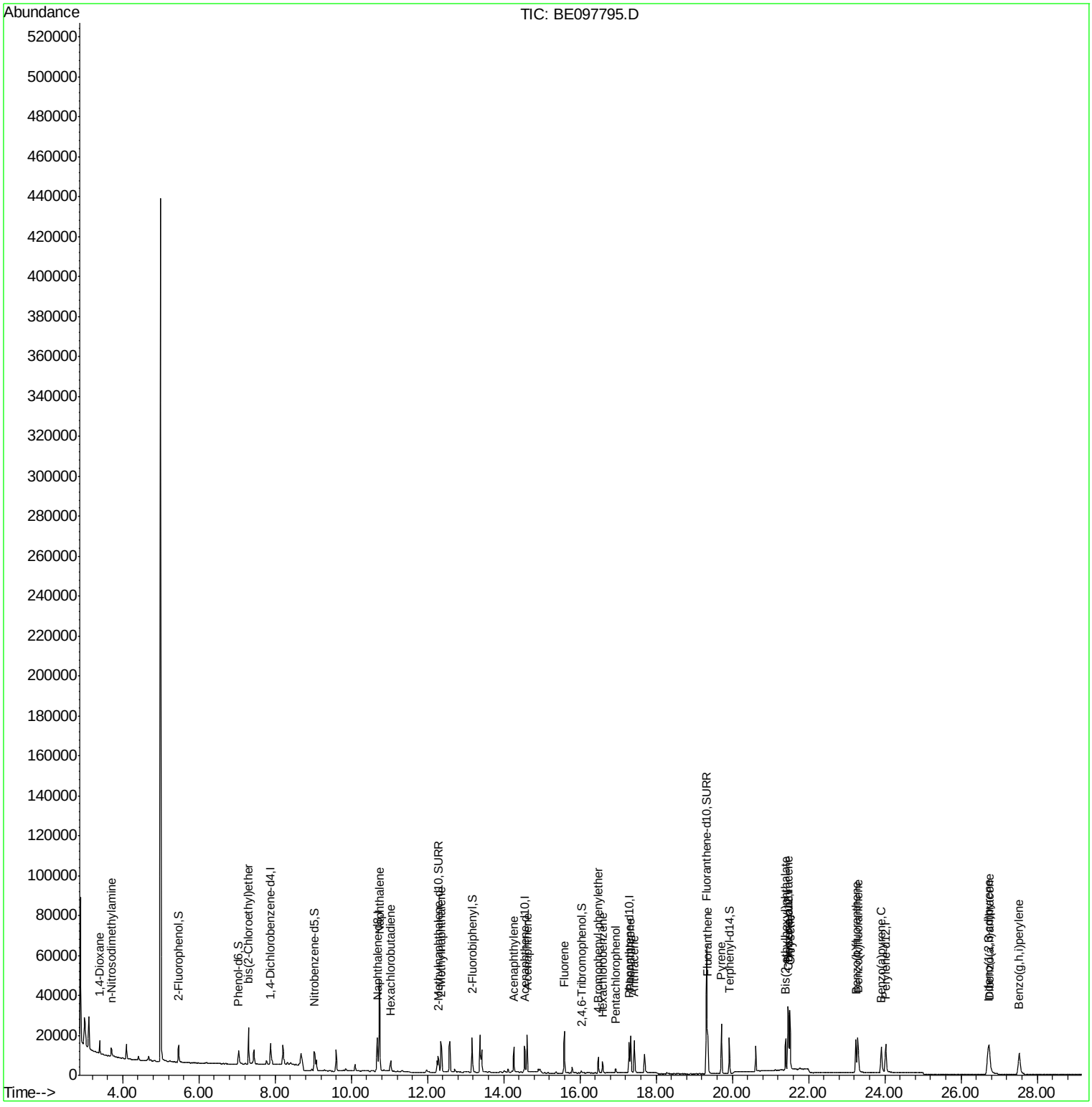
(#) = qualifier out of range (m) = manual integration (+) = signals summed

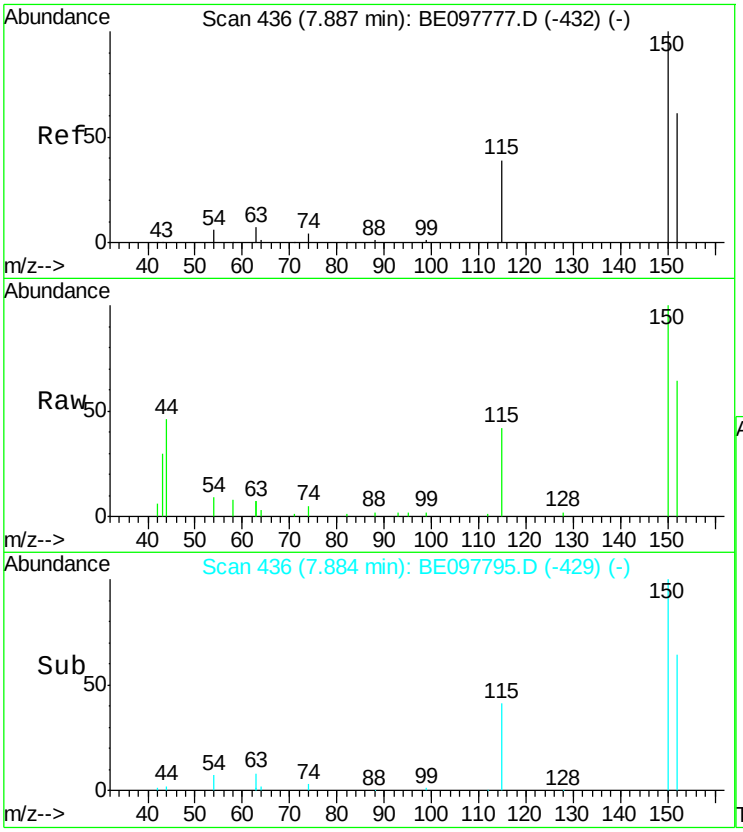
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE100818\
Data File : BE097795.D
Acq On : 8 Oct 2018 15:35
Operator : SJ/JU
Sample : PB113550BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Quant Time: Oct 09 06:57:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration



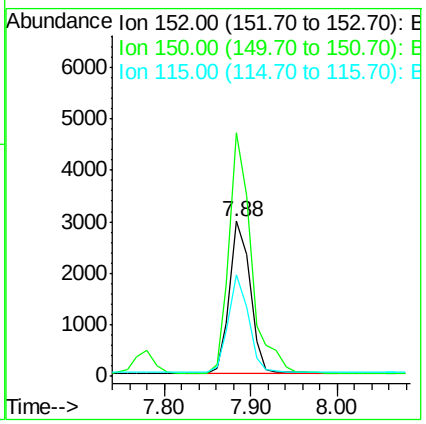


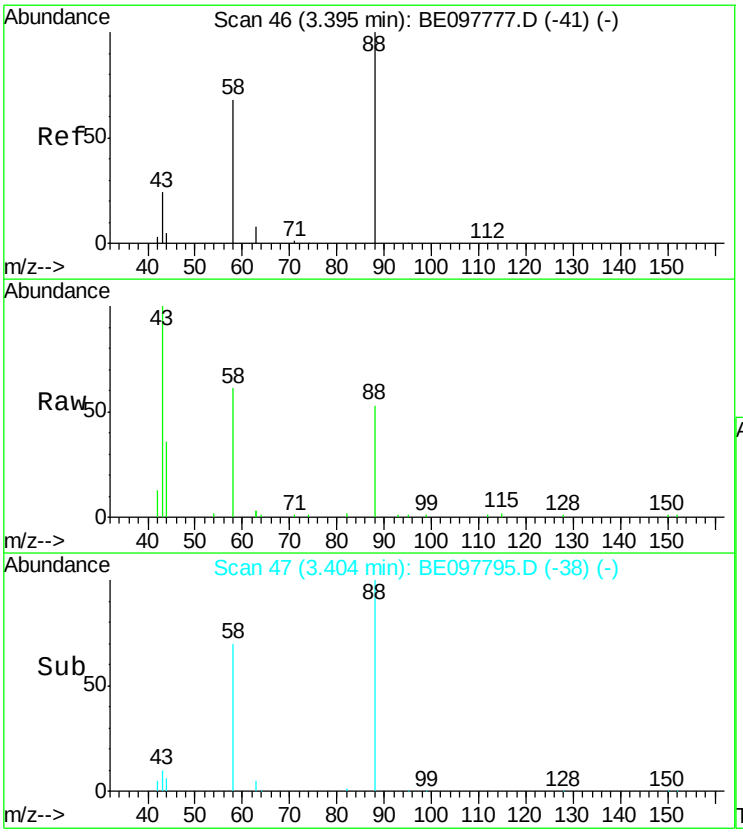

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:152 Resp: 4988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 120.9 | 181.3 |
| 115 | 65.9 | 46.6 | 69.8 |

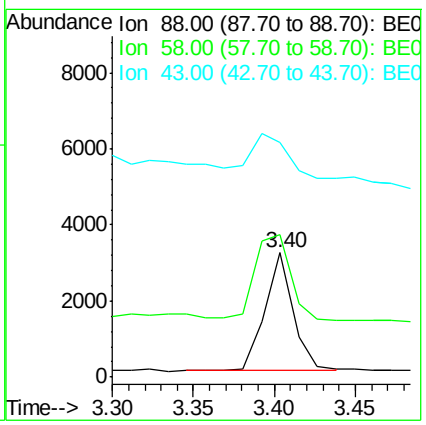


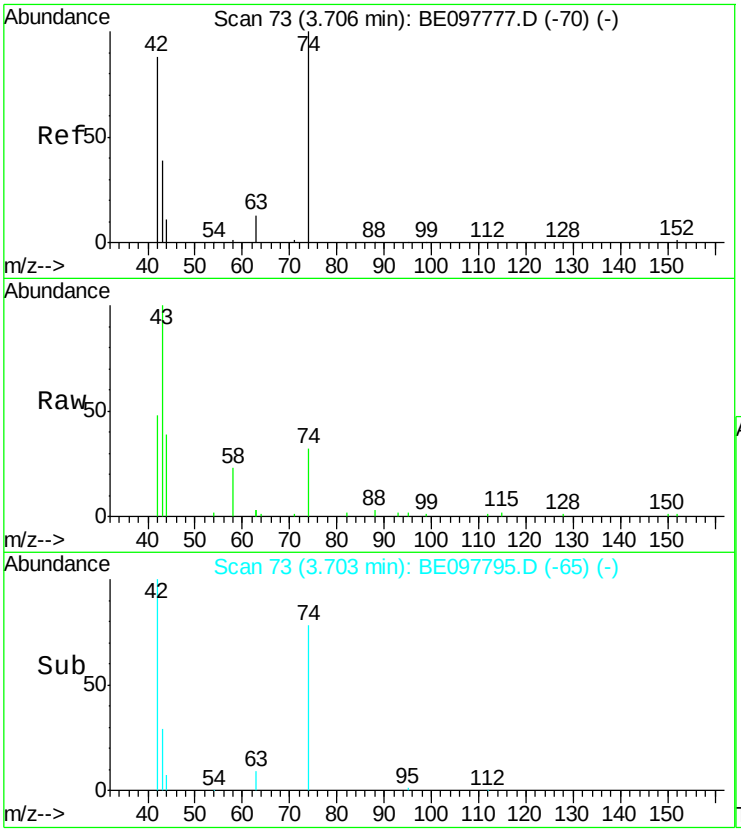




#2
1,4-Dioxane
Concen: 0.376 ng
RT: 3.40 min Scan# 47
Delta R.T. 0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion: 88 Resp: 3737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 94.1 | 70.8 | 106.2 |
| 43 | 50.0 | 33.3 | 49.9# |



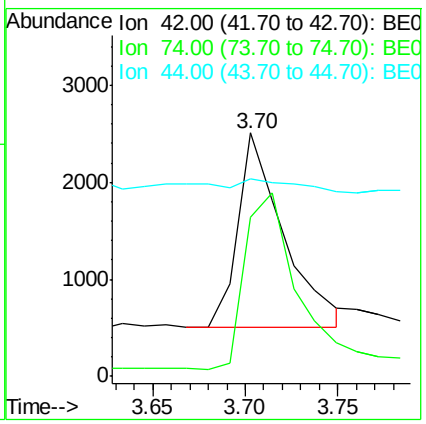


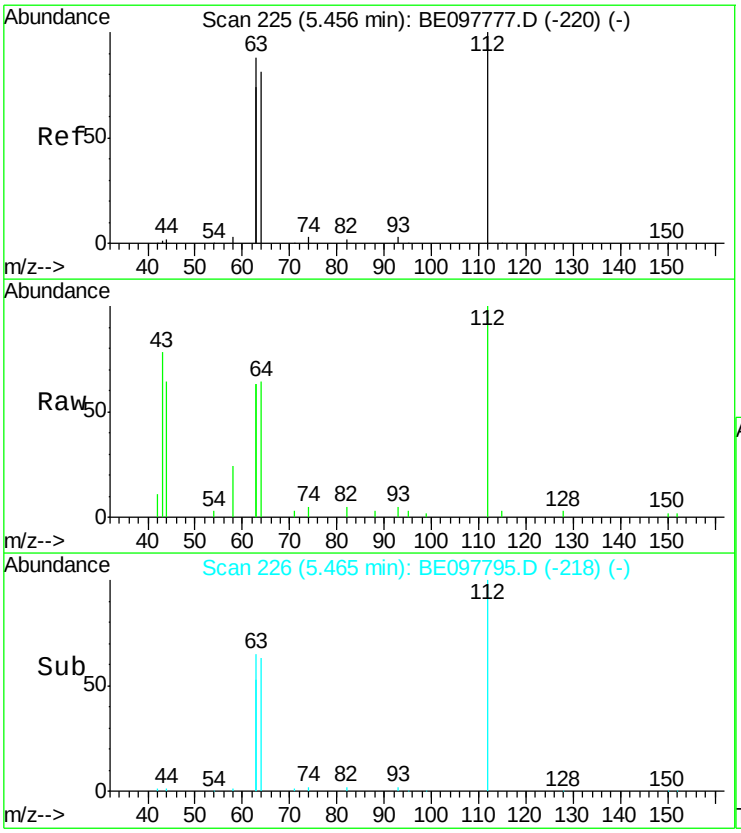

#3
n-Nitrosodimethylamine
Concen: 0.381 ng
RT: 3.70 min Scan# 73
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion: 42 Resp: 3444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 100.2 | 70.7 | 106.1 |
| 44 | 7.4 | 15.0 | 22.4# |

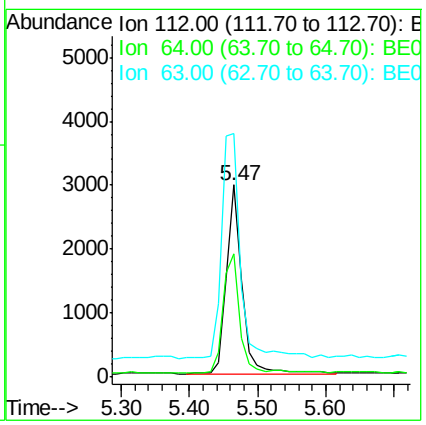


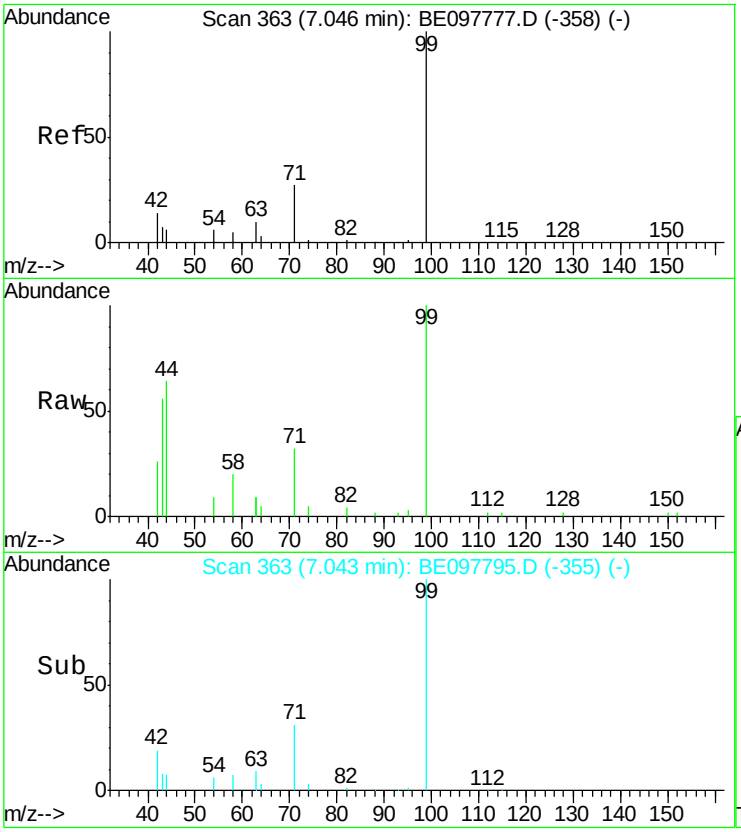




#4
2-Fluorophenol
Concen: 0.404 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:112 Resp: 4767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.8 | 56.6 | 84.8 |
| 63 | 141.3 | 119.4 | 179.0 |



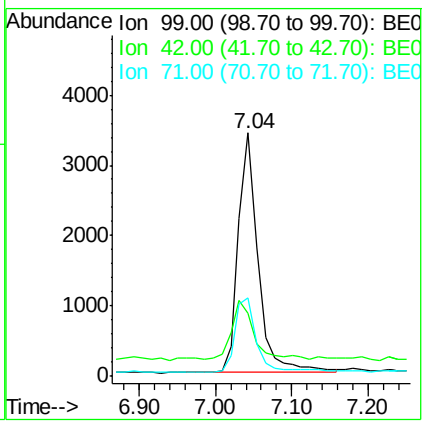


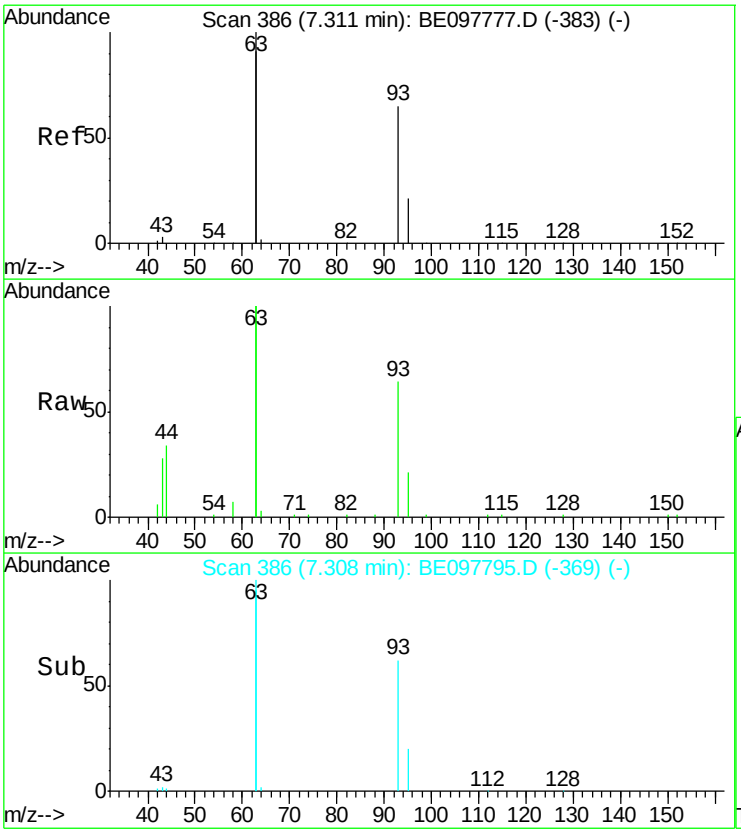

#5
Phenol-d6
Concen: 0.346 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion: 99 Resp: 6253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 27.9 | 19.9 | 29.9 |
| 71 | 34.8 | 25.4 | 38.2 |

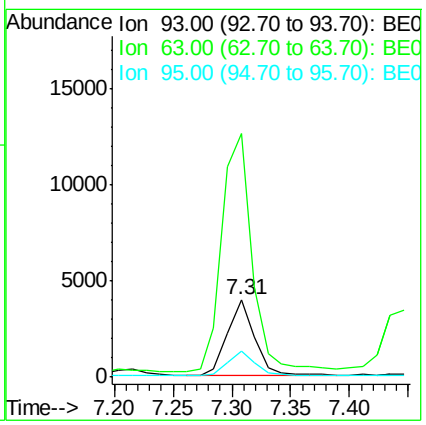


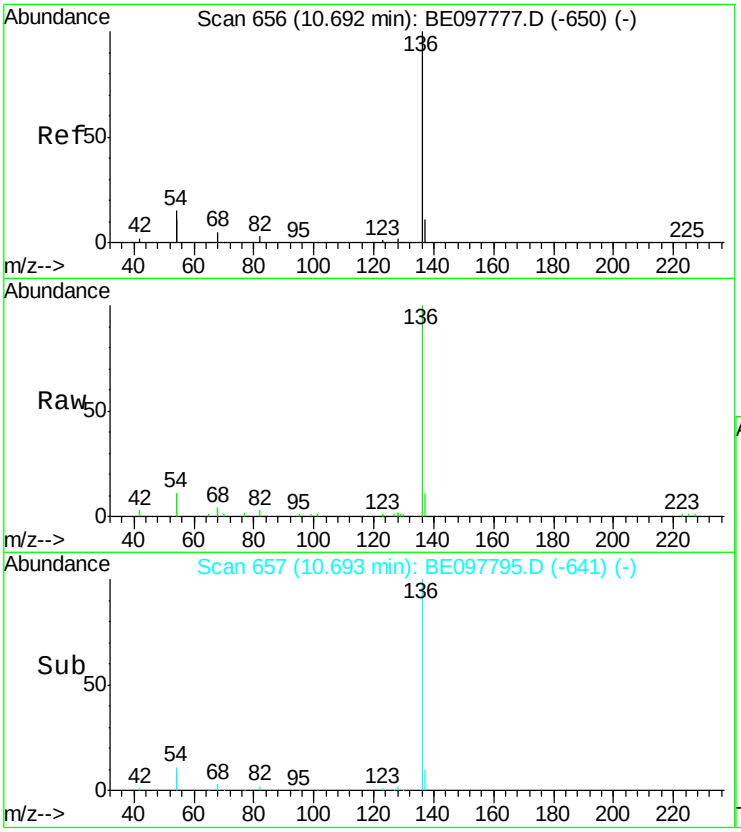




#6
bis(2-Chloroethyl)ether
Concen: 0.343 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion: 93 Resp: 6414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 341.5 | 266.9 | 400.3 |
| 95 | 33.7 | 26.2 | 39.2 |



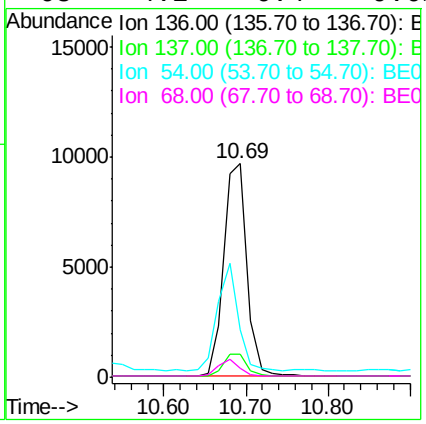


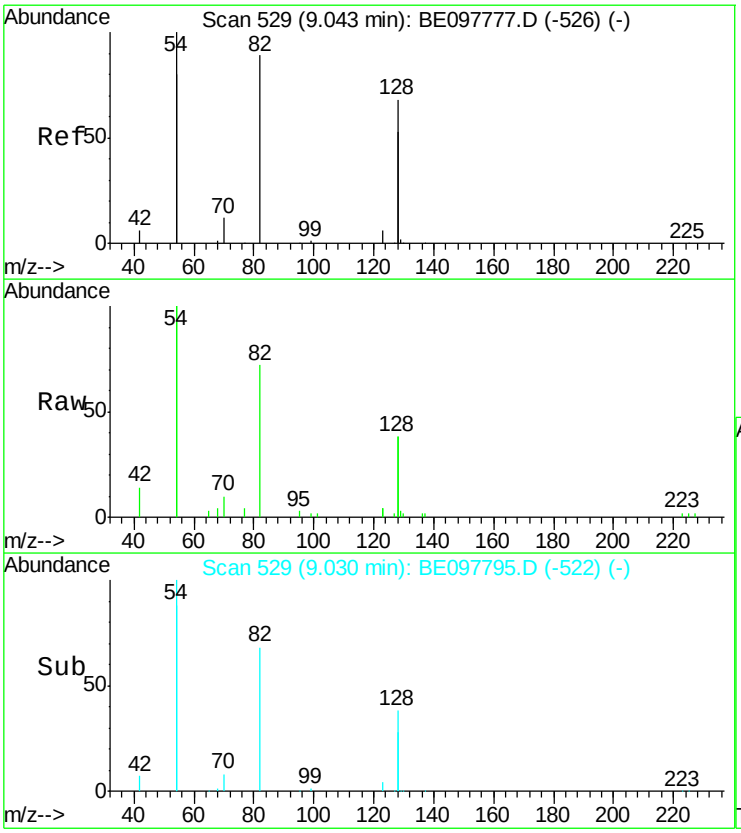

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 657
Delta R.T. 0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:136 Resp: 19049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 22.3 | 37.8 | 56.6# |
| 68 | 4.2 | 6.4 | 9.6# |

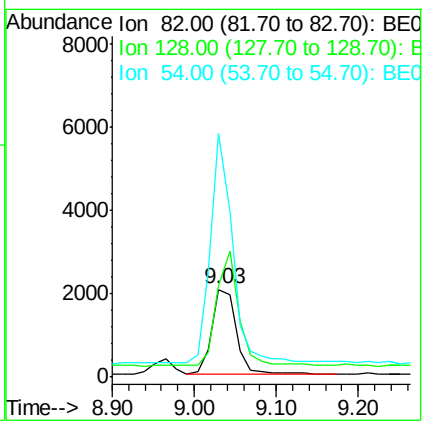


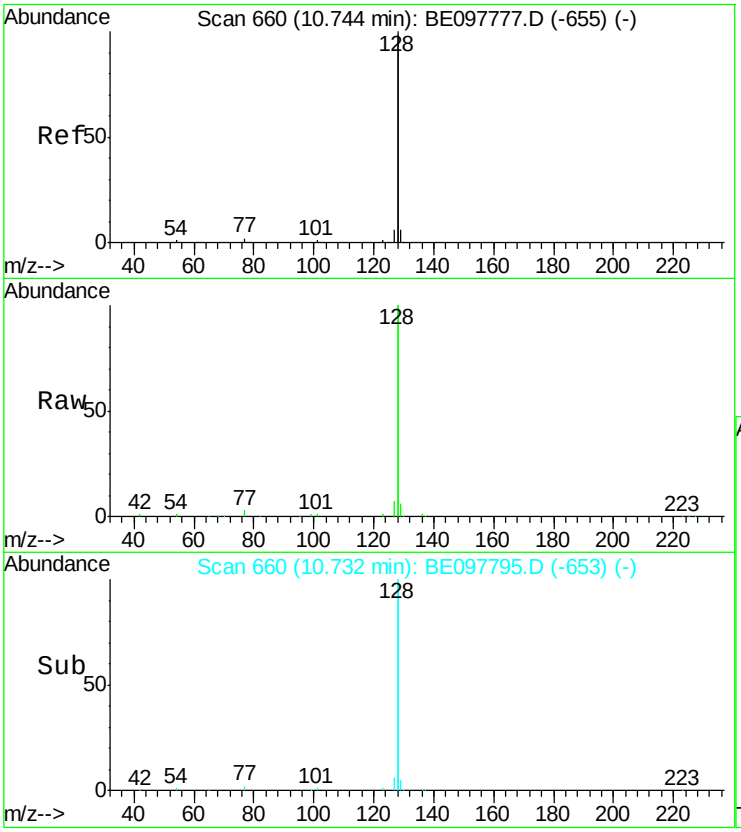




#8
Nitrobenzene-d5
Concen: 0.678 ng
RT: 9.03 min Scan# 529
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion: 82 Resp: 4190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 104.5 | 97.0 | 145.4 |
| 54 | 277.6 | 206.9 | 310.3 |



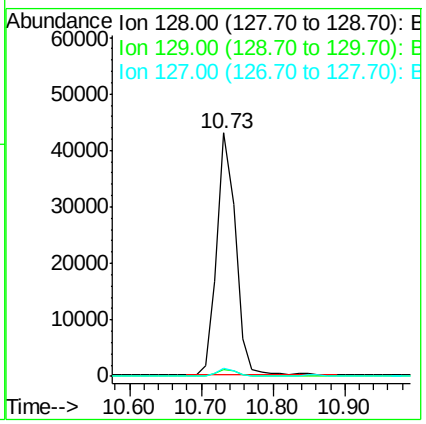


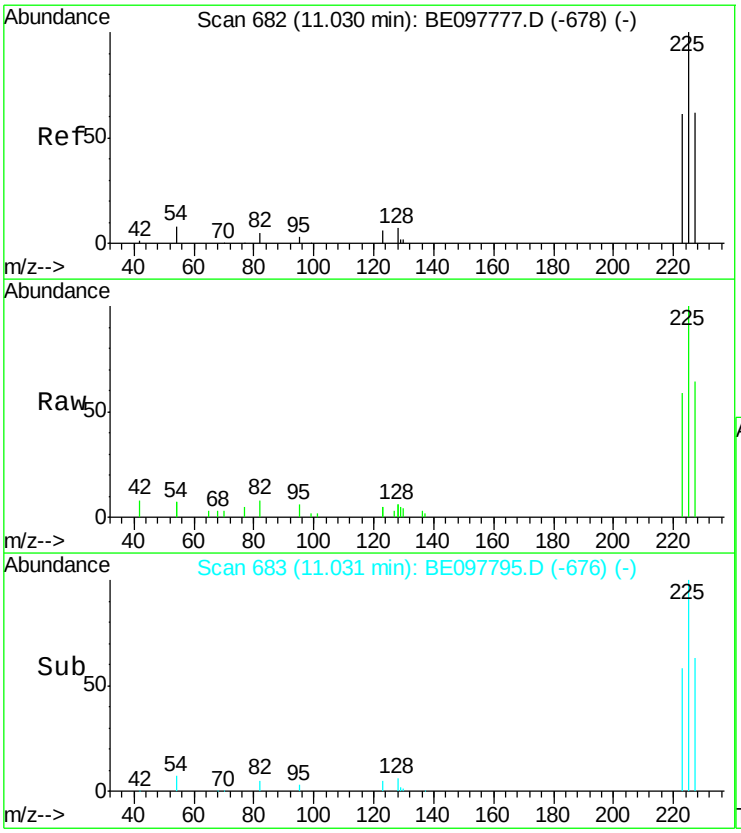

#9
Naphthalene
Concen: 0.406 ng
RT: 10.73 min Scan# 660
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:128 Resp: 77980

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.8 | 2.2 | 3.2 |
| 127 | 3.3 | 2.7 | 4.1 |

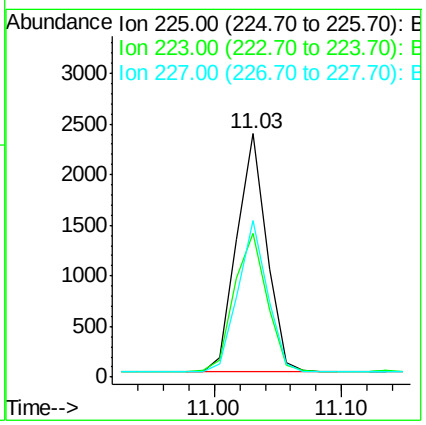


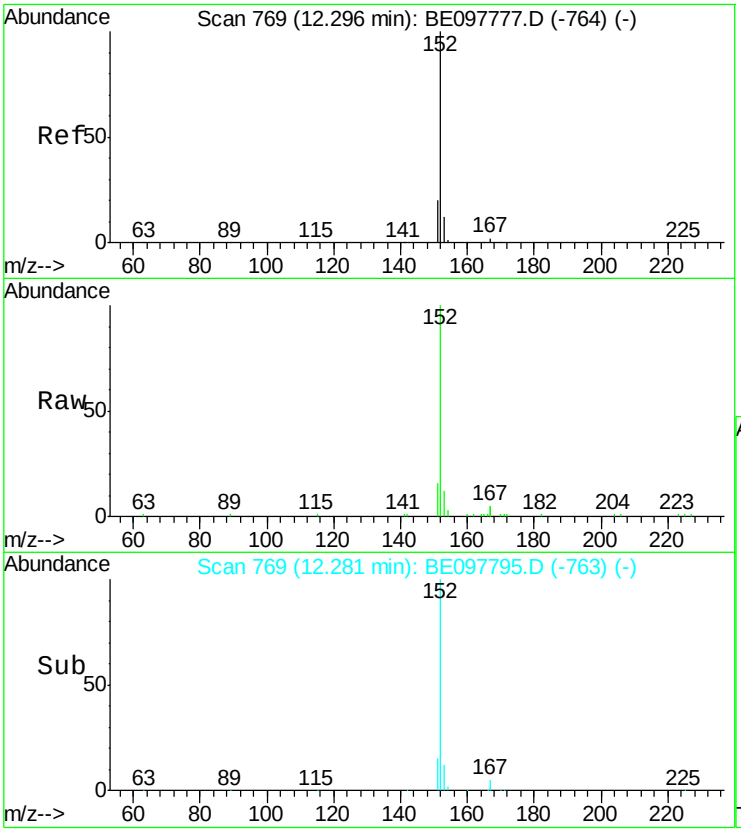




#10
Hexachlorobutadiene
Concen: 0.378 ng
RT: 11.03 min Scan# 683
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:225 Resp: 3850

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.3 | 52.2 | 78.4 |
| 227 | 62.9 | 51.2 | 76.8 |



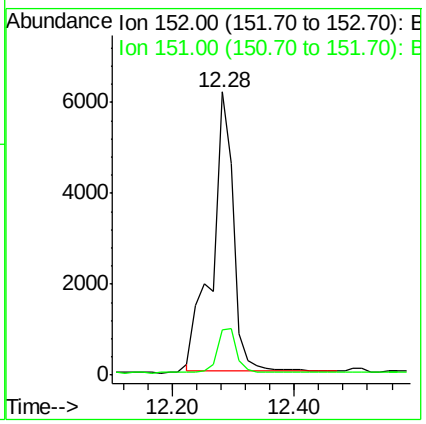


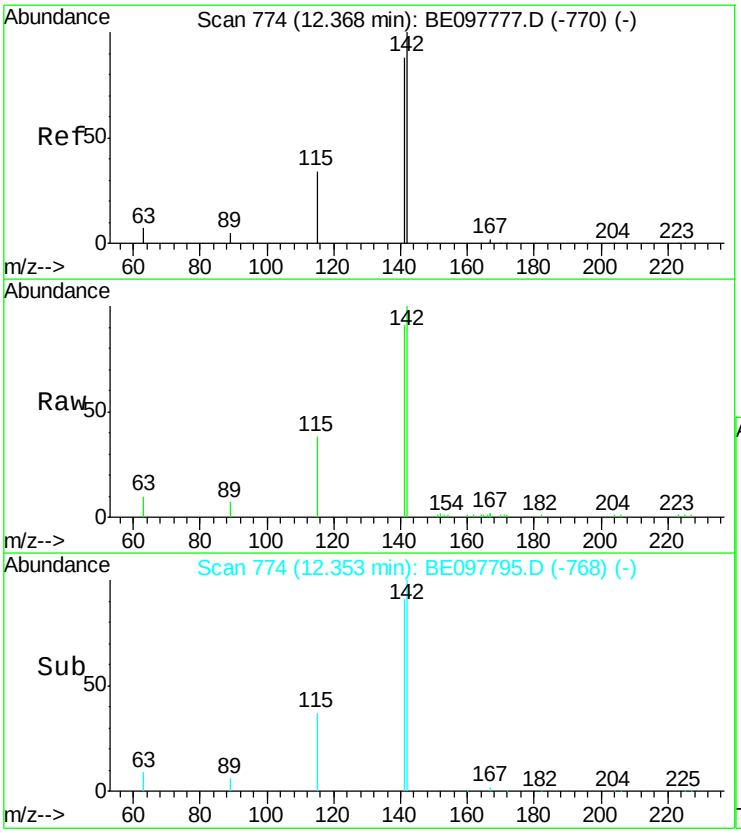

#11
2-Methylnaphthalene-d10
Concen: 0.494 ng
RT: 12.28 min Scan# 769
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:152 Resp: 14975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 14.5 | 15.4 | 23.2# |

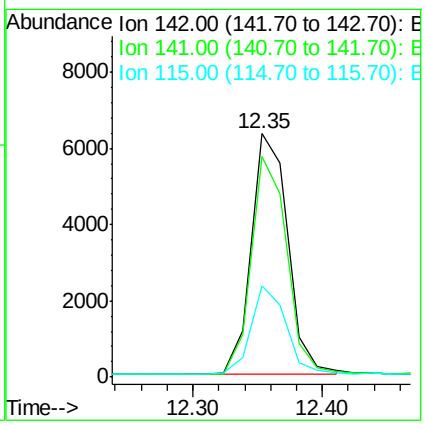


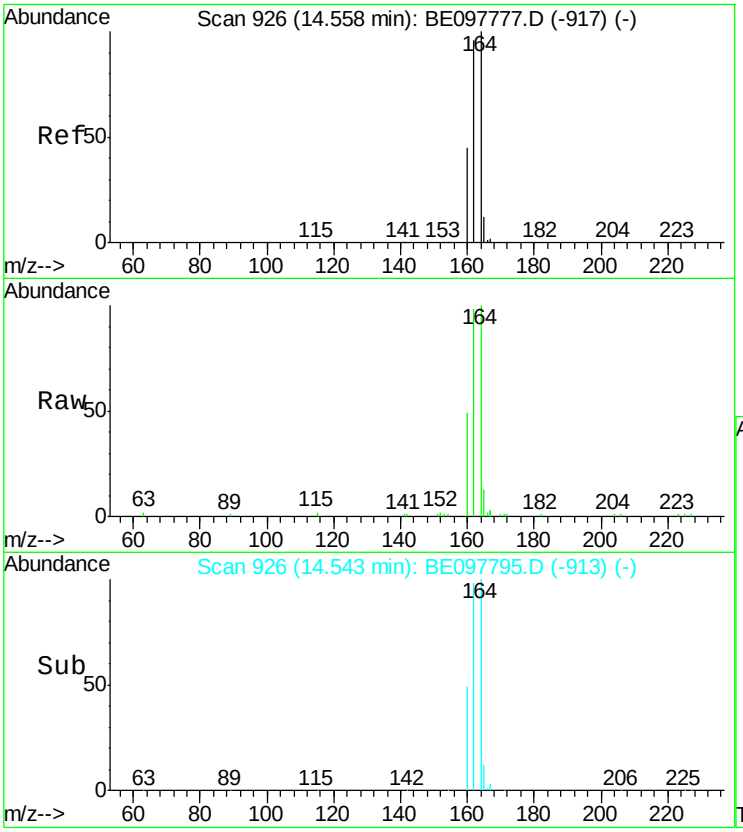




#12
2-Methylnaphthalene
Concen: 0.404 ng
RT: 12.35 min Scan# 774
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:142 Resp: 12406

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 69.4 | 104.2 |
| 115 | 37.7 | 28.0 | 42.0 |



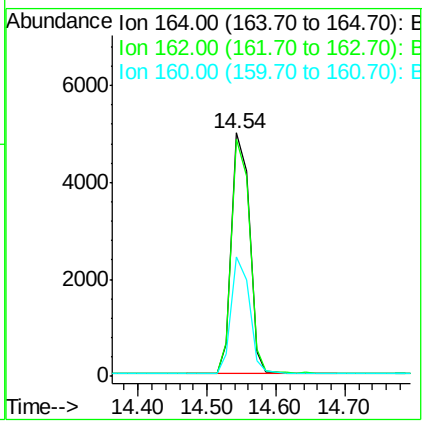


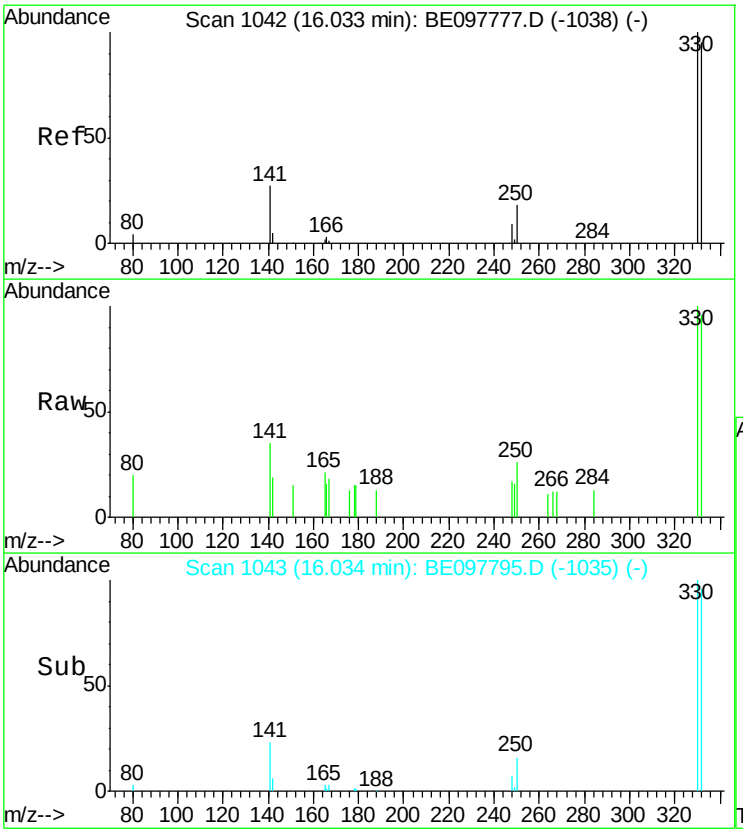

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 926
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:164 Resp: 8990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.6 | 78.6 | 117.8 |
| 160 | 49.3 | 37.8 | 56.6 |

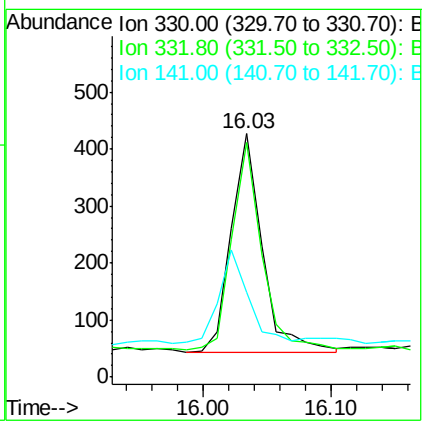


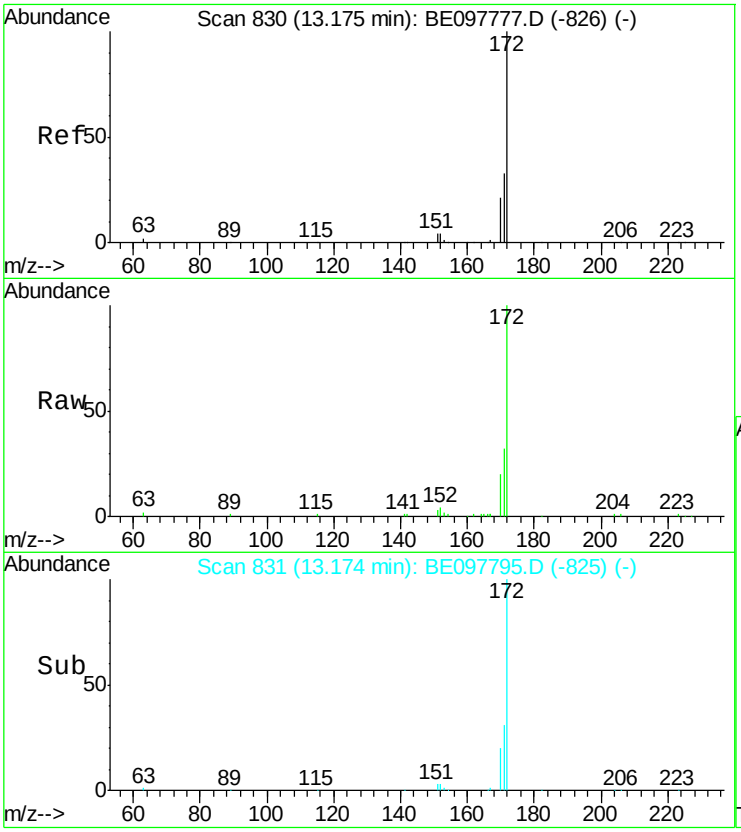




#14
2,4,6-Tribromophenol
Concen: 0.396 ng
RT: 16.03 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:330 Resp: 645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 91.0 | 83.5 | 125.3 |
| 141 | 40.6 | 34.9 | 52.3 |



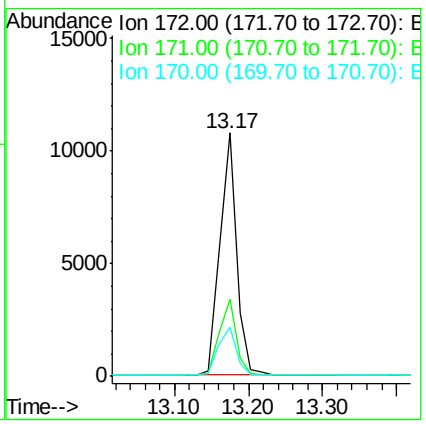


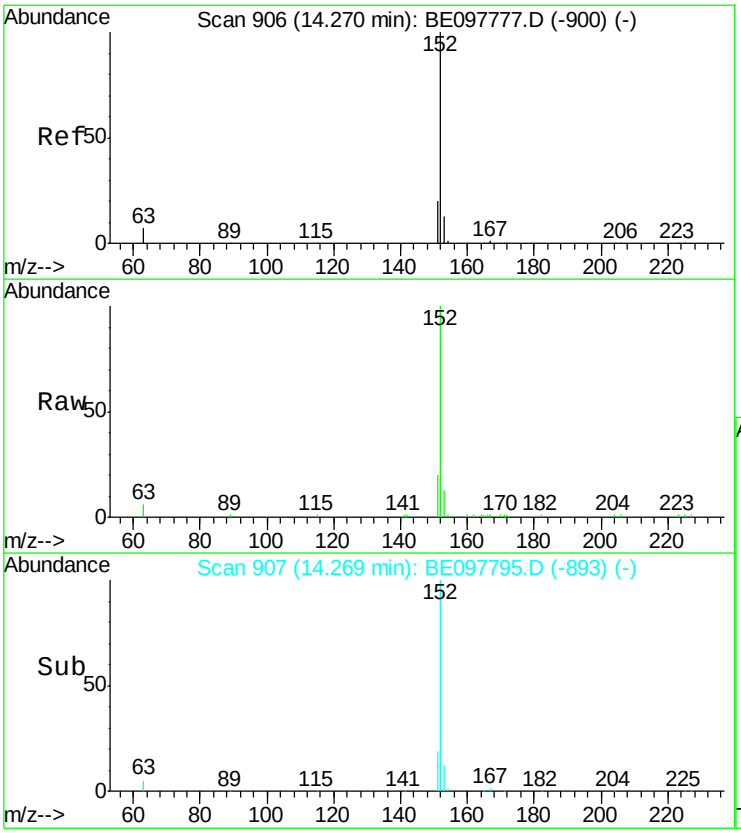

#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.17 min Scan# 831
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:172 Resp: 16822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 31.6 | 25.2 | 37.8 |
| 170 | 20.3 | 16.2 | 24.2 |

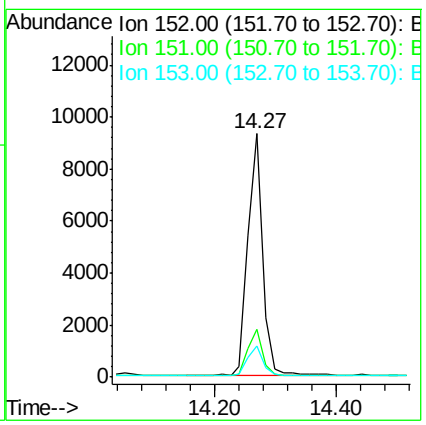


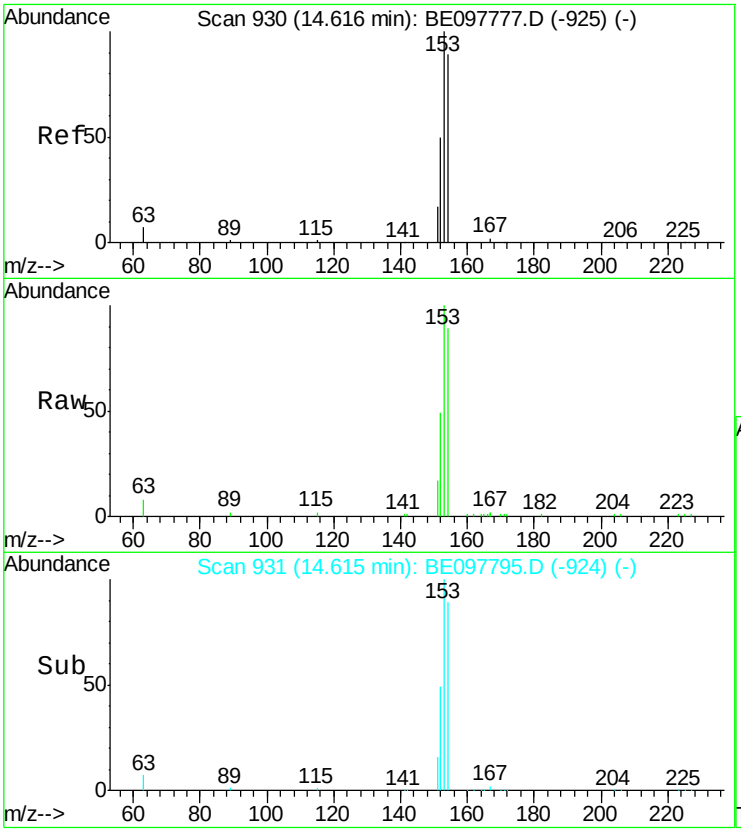




#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.27 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:152 Resp: 15602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 15.3 | 22.9 |
| 153 | 12.9 | 10.8 | 16.2 |



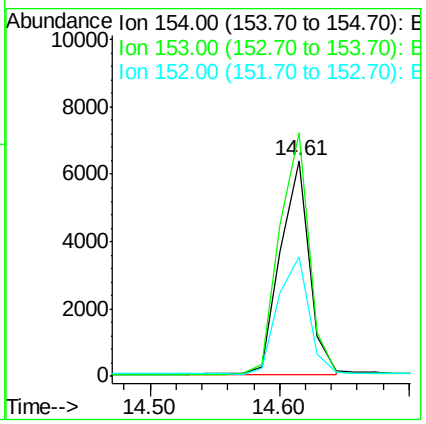


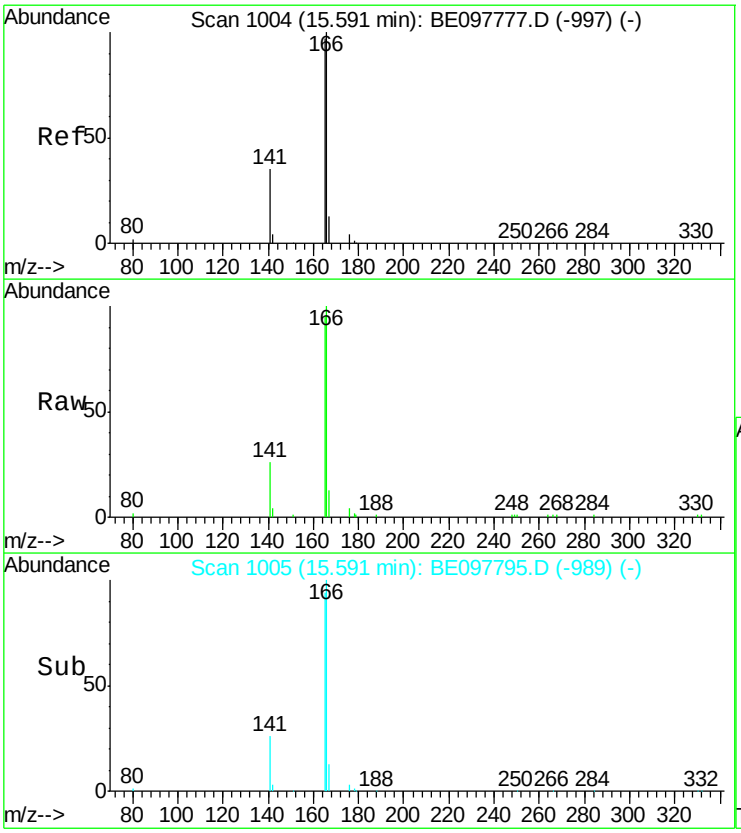

#17
Acenaphthene
Concen: 0.390 ng
RT: 14.61 min Scan# 931
Delta R.T. -0.00 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:154 Resp: 9946

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.0 | 93.3 | 139.9 |
| 152 | 58.0 | 48.9 | 73.3 |

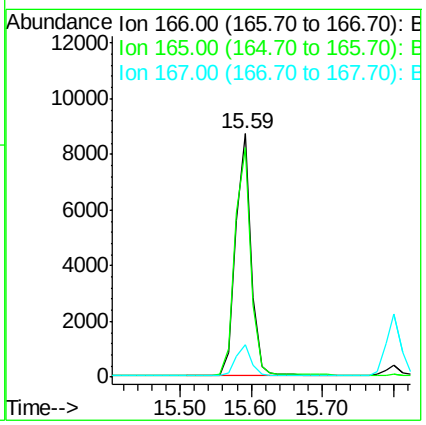


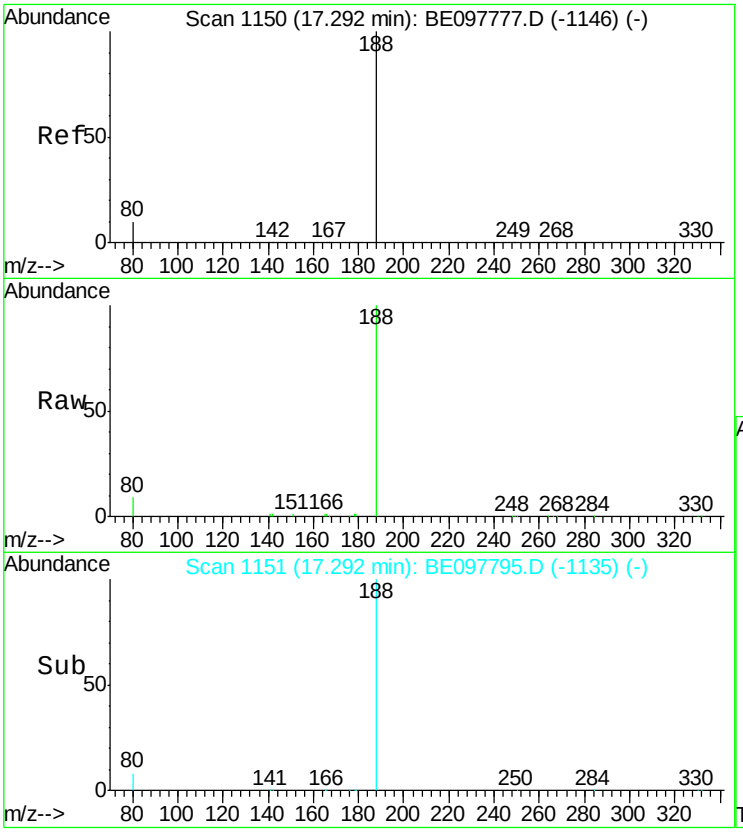




#18
Fluorene
Concen: 0.385 ng
RT: 15.59 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:166 Resp: 13032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 79.0 | 118.4 |
| 167 | 12.7 | 11.1 | 16.7 |



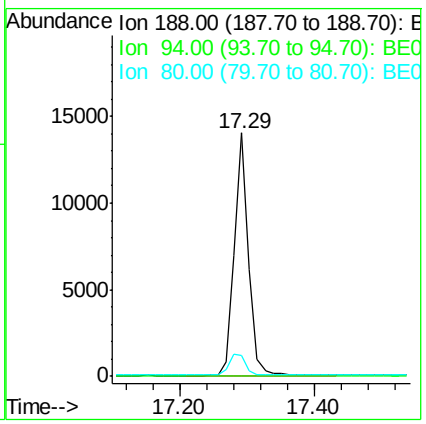


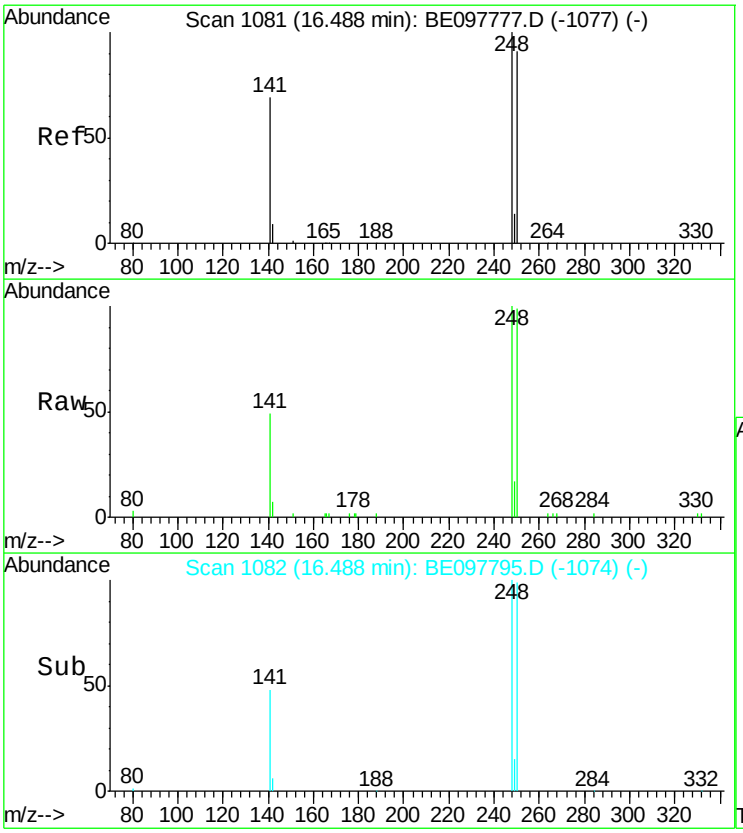

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:188 Resp: 20642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 8.8 | 6.6 | 9.8 |

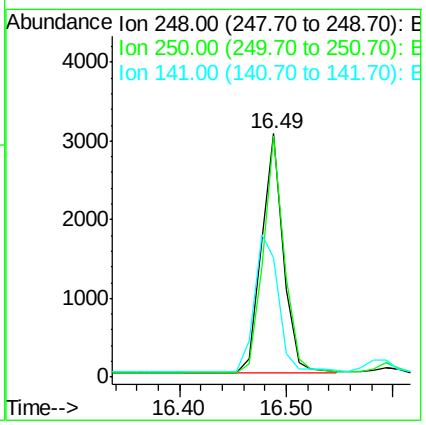


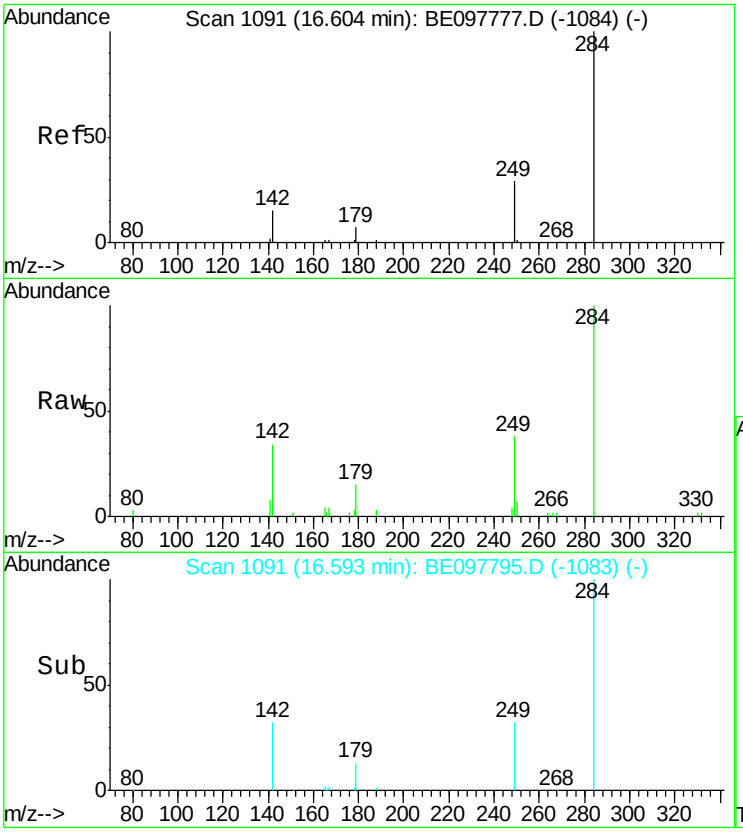




#20
4-Bromophenyl-phenylether
Concen: 0.402 ng
RT: 16.49 min Scan# 1082
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:248 Resp: 4349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 98.9 | 76.1 | 114.1 |
| 141 | 48.8 | 42.2 | 63.4 |



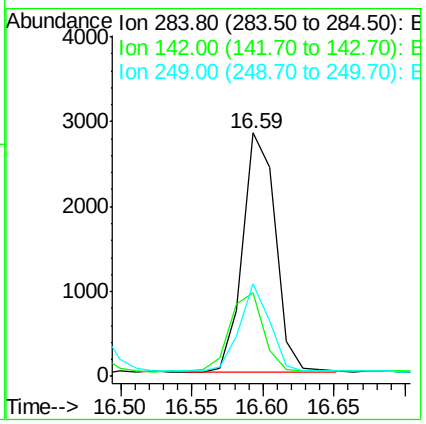


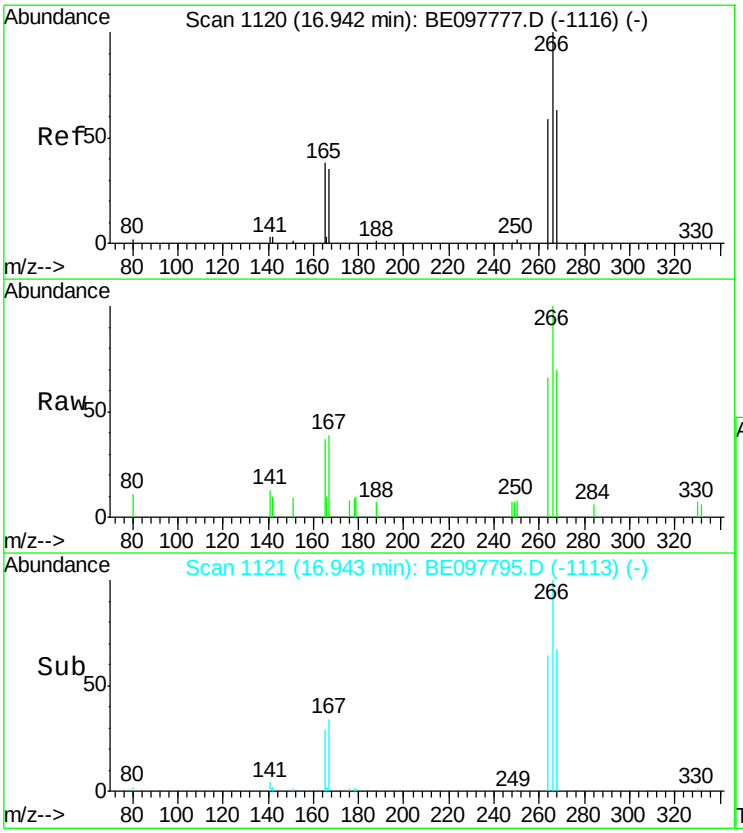

#21
Hexachlorobenzene
Concen: 0.368 ng
RT: 16.59 min Scan# 1091
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:284 Resp: 4484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.3 | 24.9 | 37.3 |
| 249 | 34.0 | 25.8 | 38.8 |

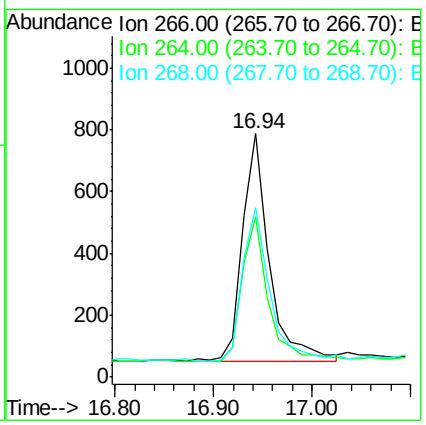


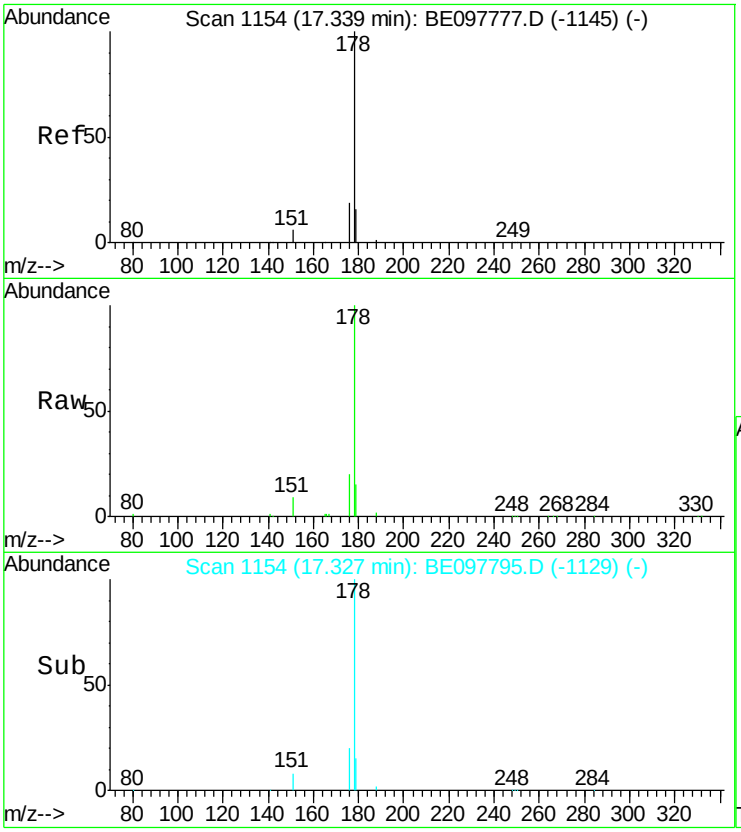




#22
Pentachlorophenol
Concen: 0.722 ng
RT: 16.94 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:266 Resp: 1380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 66.0 | 46.8 | 70.2 |
| 268 | 69.5 | 53.0 | 79.6 |



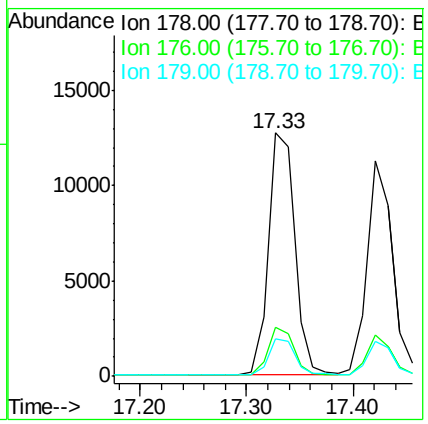


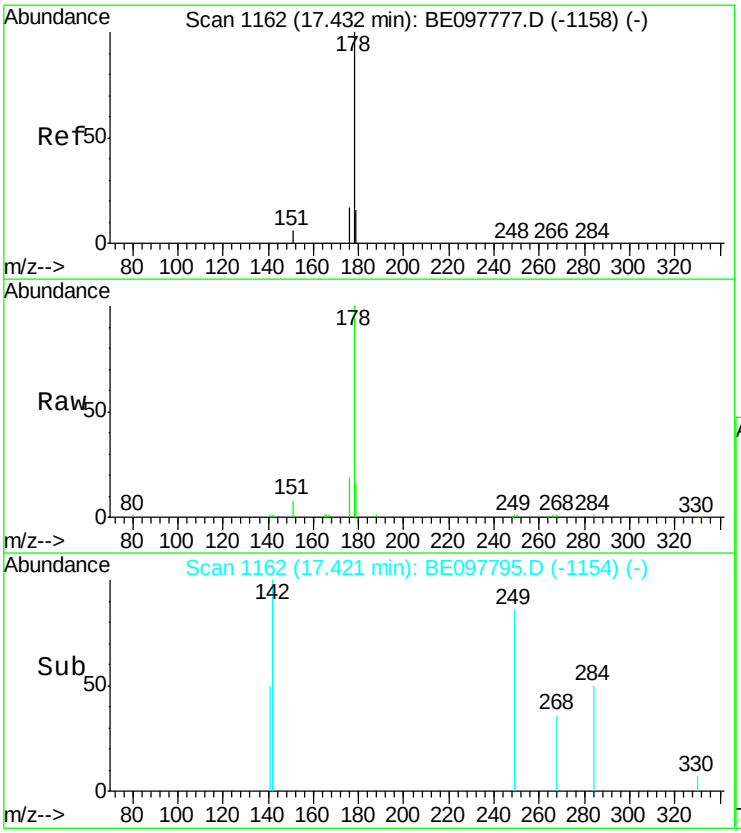

#23
Phenanthrene
Concen: 0.413 ng
RT: 17.33 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:178 Resp: 21974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.4 | 23.2 |
| 179 | 14.7 | 12.2 | 18.4 |

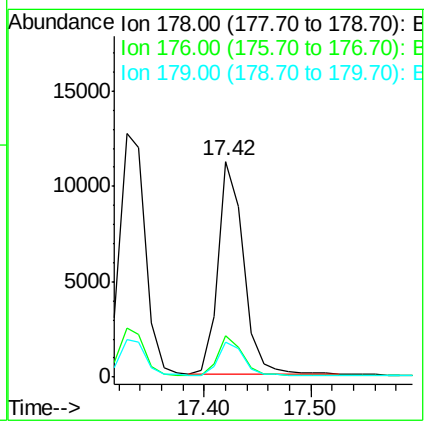


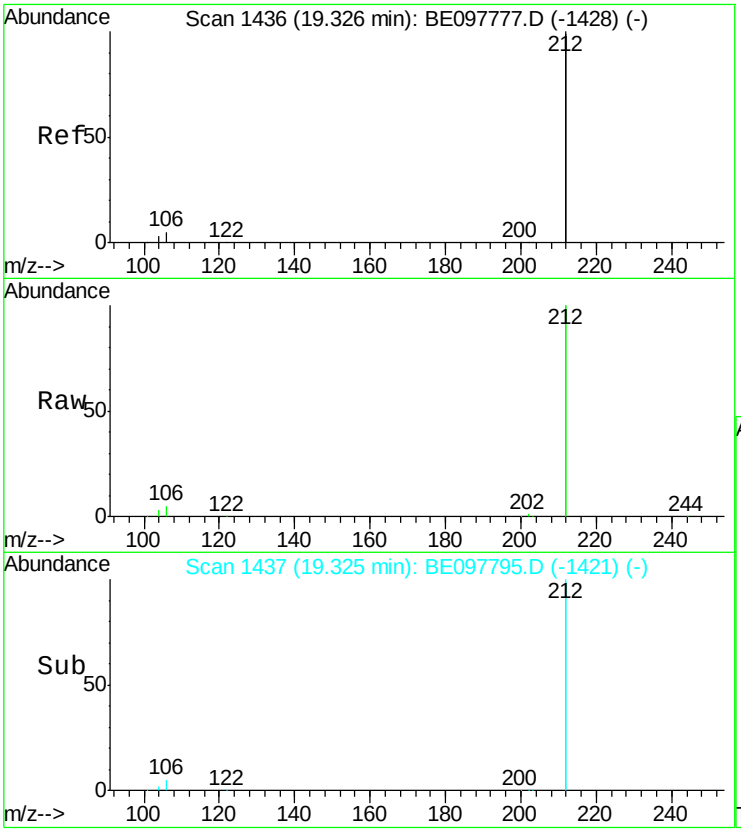




#24
Anthracene
Concen: 0.400 ng
RT: 17.42 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:178 Resp: 18366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.1 | 22.7 |
| 179 | 16.4 | 12.2 | 18.2 |



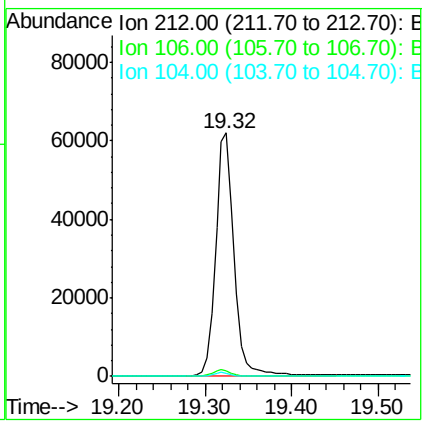


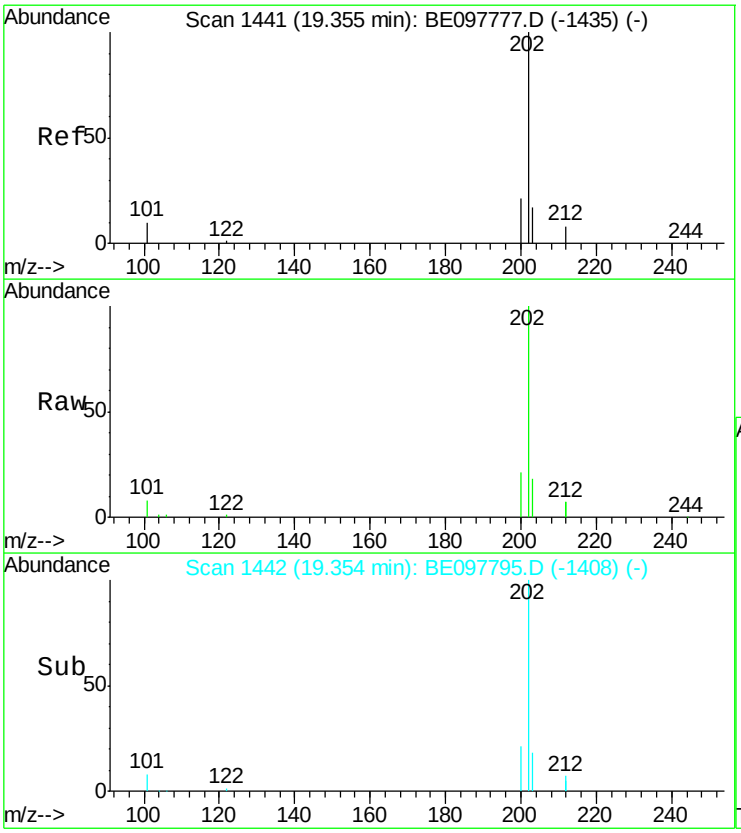

#25
Fluoranthene-d10
Concen: 0.350 ng
RT: 19.32 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:212 Resp: 91332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 2.7 | 2.2 | 3.2 |
| 104 | 1.5 | 1.2 | 1.8 |

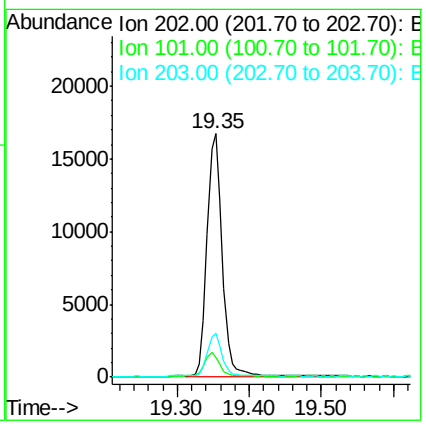


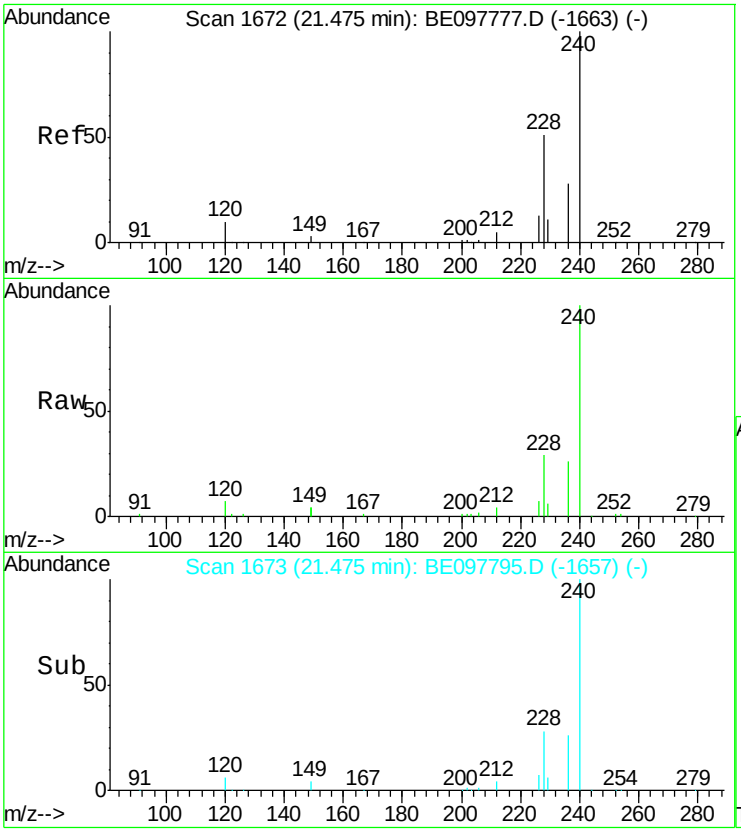




#26
Fluoranthene
Concen: 0.359 ng
RT: 19.35 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:202 Resp: 24298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 7.8 | 11.8 |
| 203 | 16.9 | 13.8 | 20.6 |



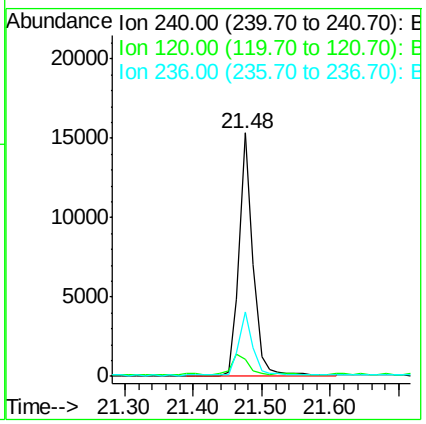


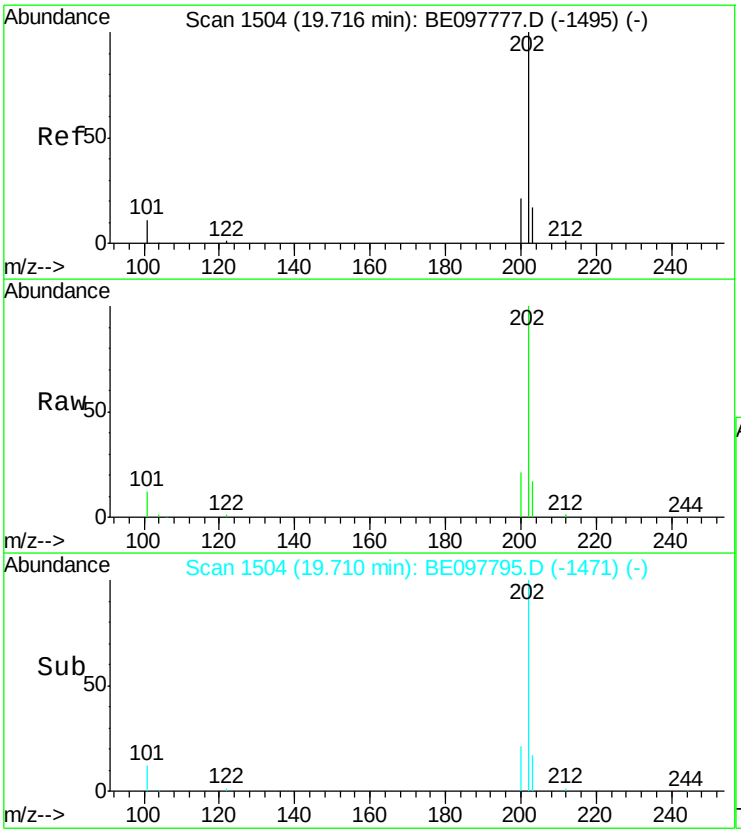

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:240 Resp: 21693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.2 | 4.7 | 7.1# |
| 236 | 26.4 | 20.8 | 31.2 |

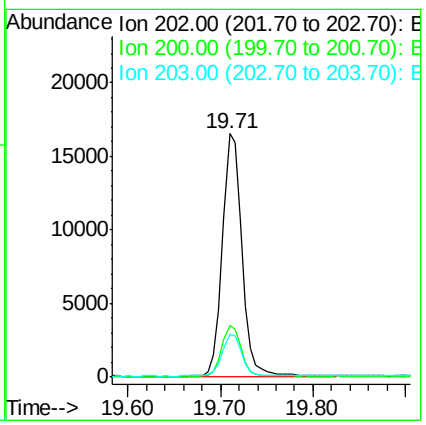


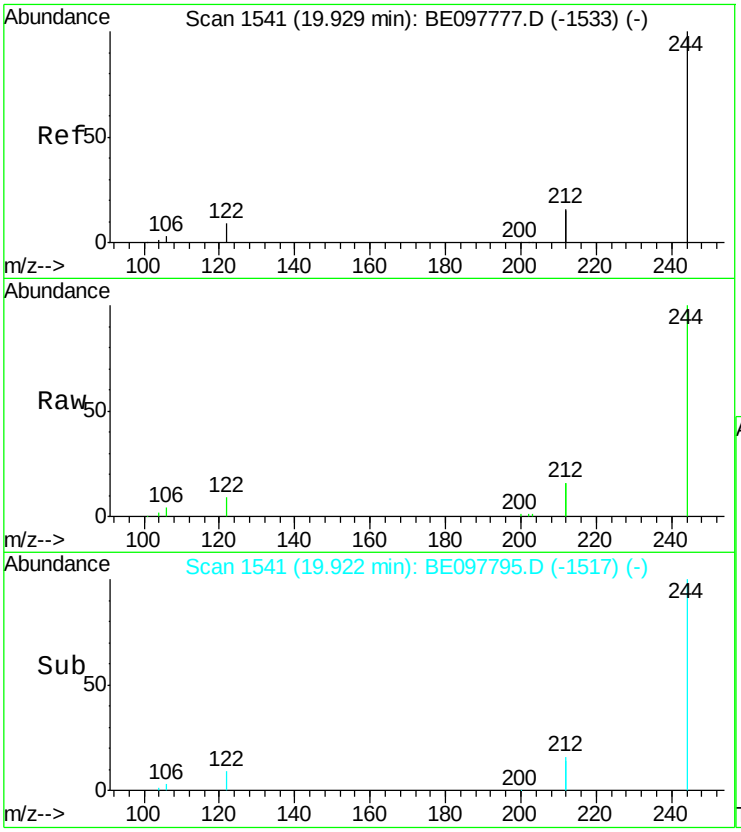




#28
Pyrene
Concen: 0.435 ng
RT: 19.71 min Scan# 1504
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:202 Resp: 23977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.7 | 25.1 |
| 203 | 17.6 | 13.9 | 20.9 |



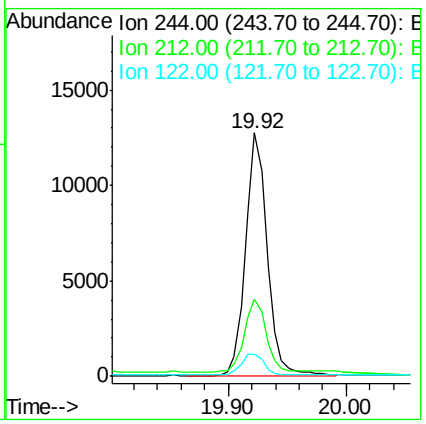


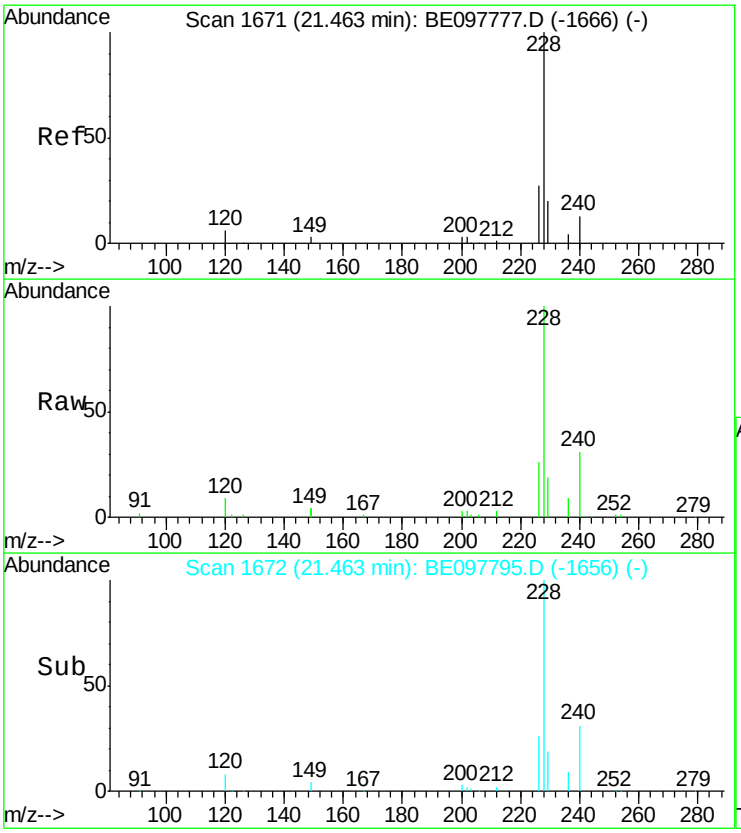

#29
Terphenyl-d14
Concen: 0.363 ng
RT: 19.92 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:244 Resp: 16080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 31.6 | 25.8 | 38.8 |
| 122 | 9.1 | 8.7 | 13.1 |

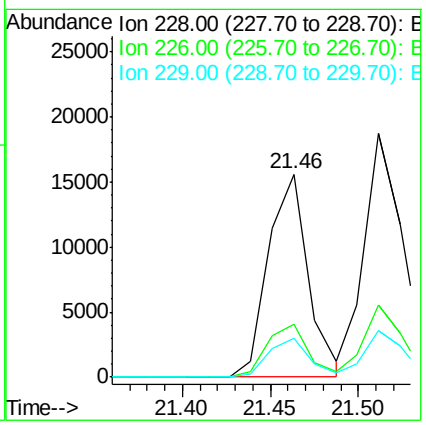


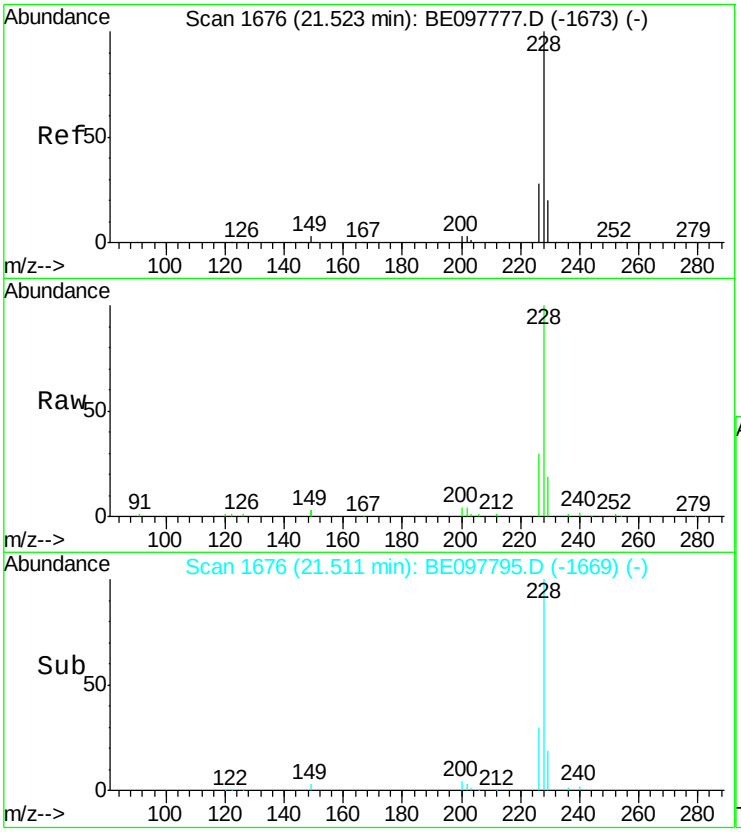




#30
Benzo(a)anthracene
Concen: 0.418 ng
RT: 21.46 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:228 Resp: 24395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.2 | 20.7 | 31.1 |
| 229 | 19.4 | 15.7 | 23.5 |



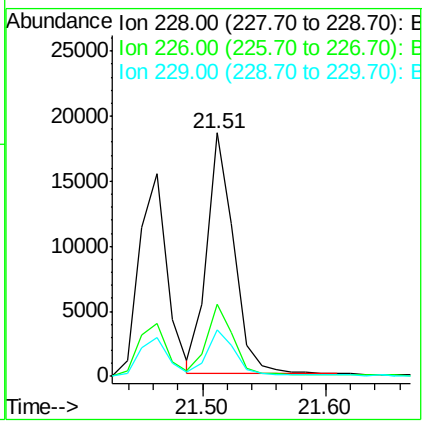


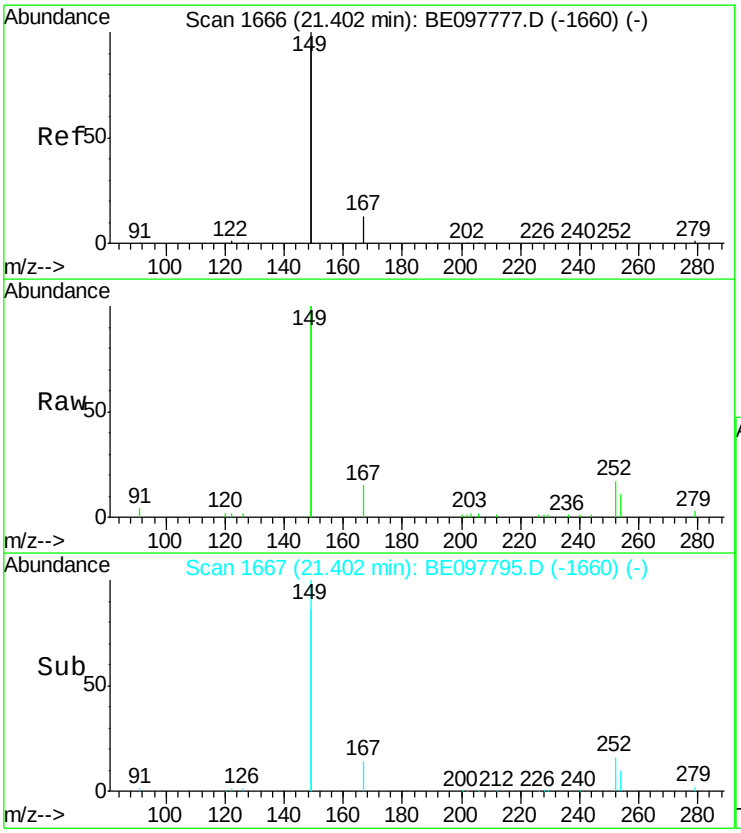

#31
Chrysene
Concen: 0.429 ng
RT: 21.51 min Scan# 1676
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:228 Resp: 28000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.3 | 36.5 |
| 229 | 19.2 | 16.0 | 24.0 |

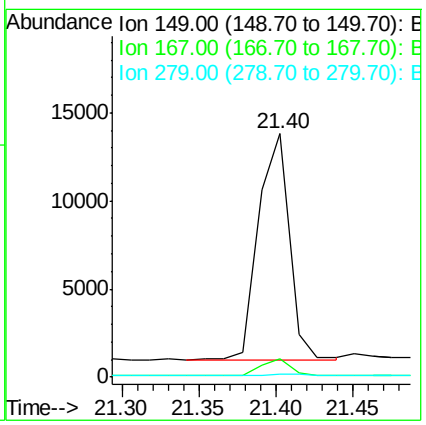


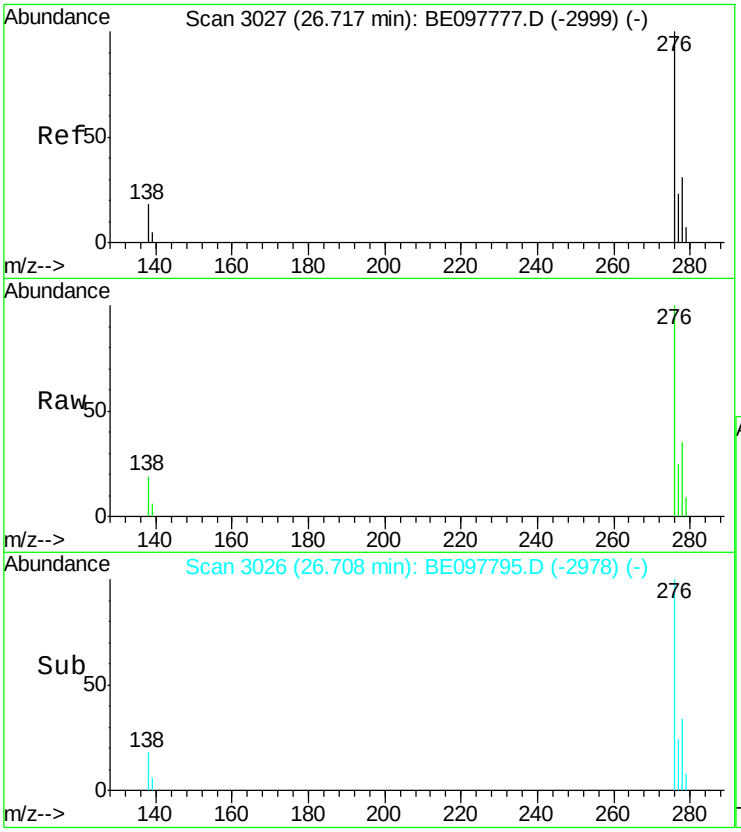




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.425 ng
RT: 21.40 min Scan# 1667
Delta R.T. -0.01 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:149 Resp: 18116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.8 | 5.5 | 8.3 |
| 279 | 1.3 | 0.9 | 1.3# |



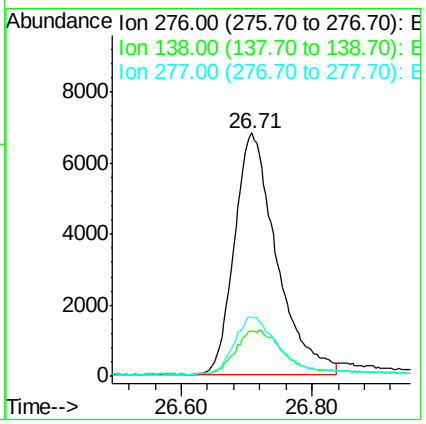


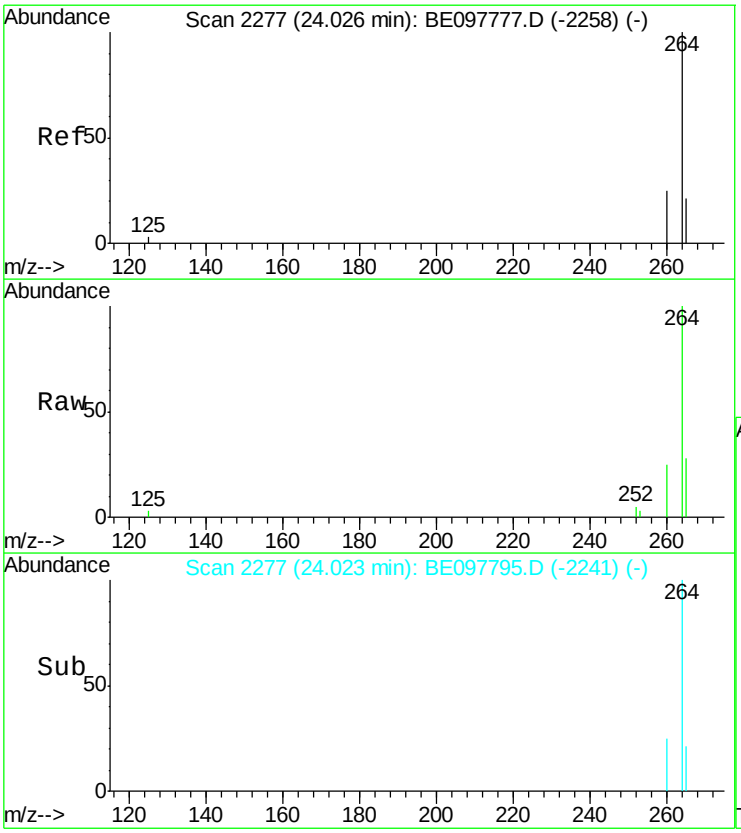

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.538 ng
RT: 26.71 min Scan# 3026
Delta R.T. -0.03 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:276 Resp: 30440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.8 | 15.0 | 22.6 |
| 277 | 24.9 | 19.2 | 28.8 |

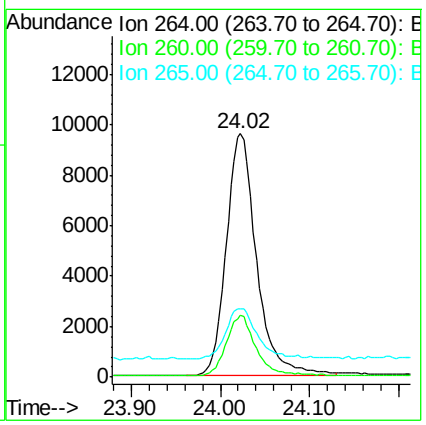


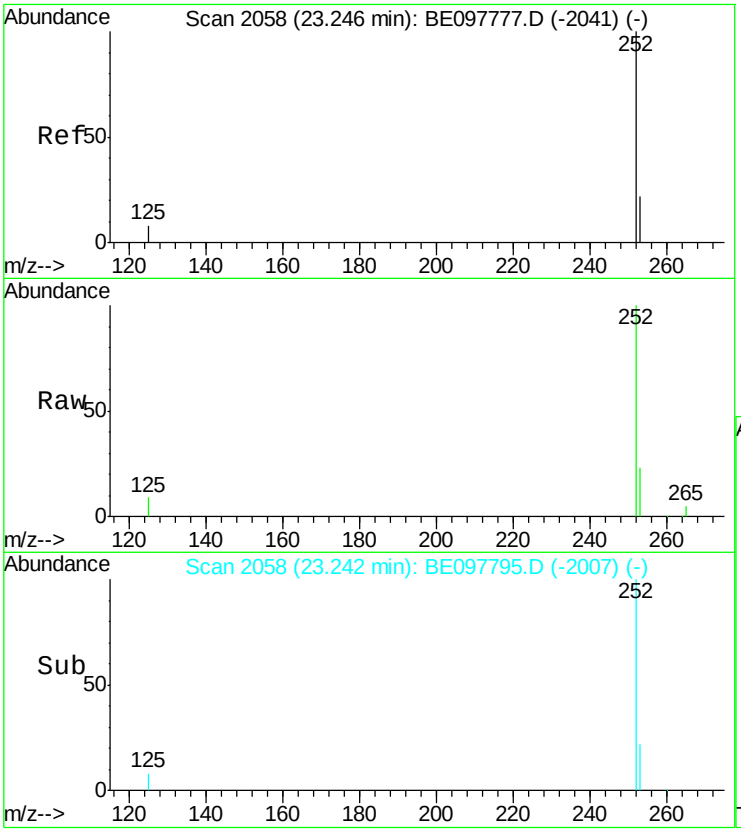




#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2277
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:264 Resp: 22820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 19.1 | 28.7 |
| 265 | 28.1 | 21.9 | 32.9 |



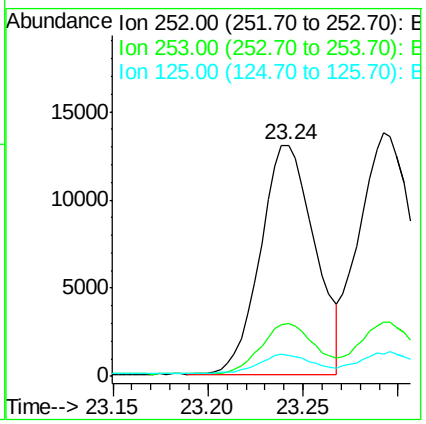


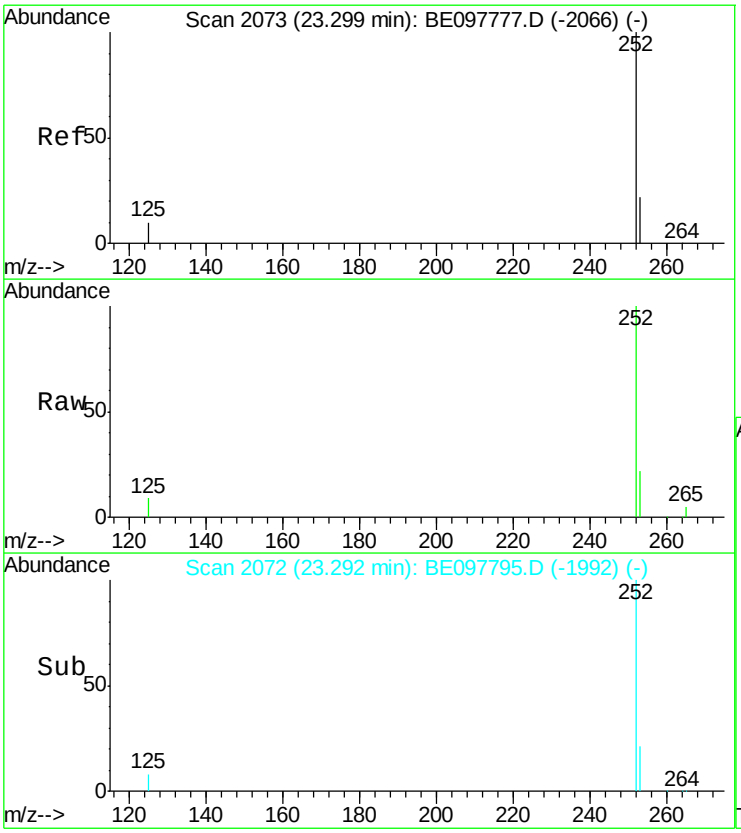

#35
Benzo(b)fluoranthene
Concen: 0.413 ng
RT: 23.24 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:252 Resp: 25865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.5 | 26.3 |
| 125 | 9.0 | 7.8 | 11.8 |

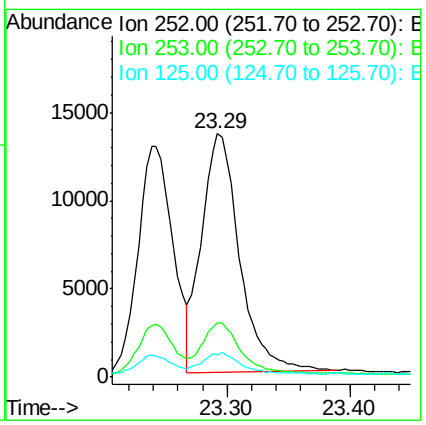


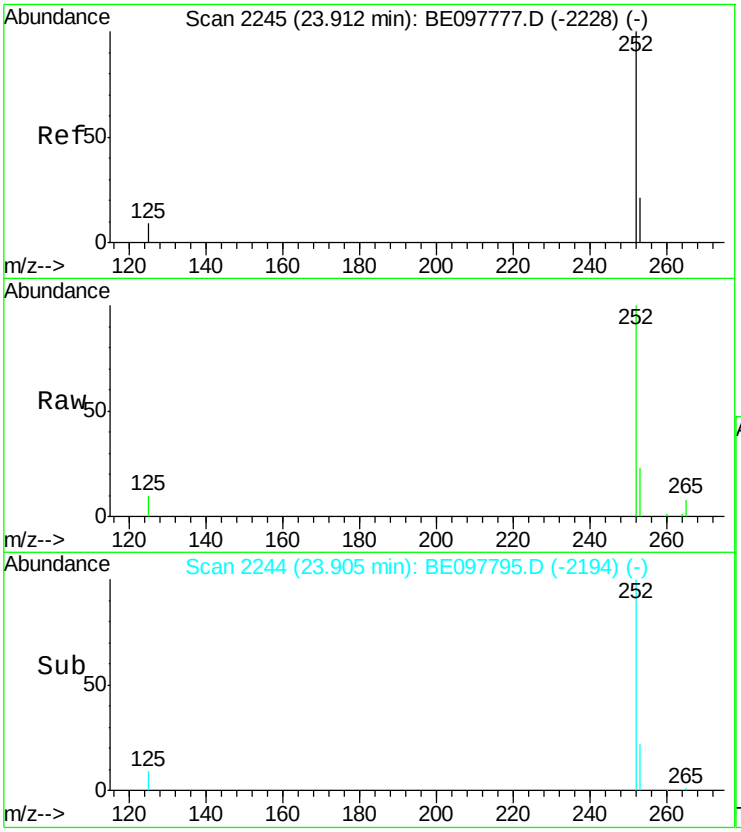




#36
Benzo(k)fluoranthene
Concen: 0.419 ng
RT: 23.29 min Scan# 2072
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:252 Resp: 29104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.5 | 26.3 |
| 125 | 9.3 | 7.5 | 11.3 |



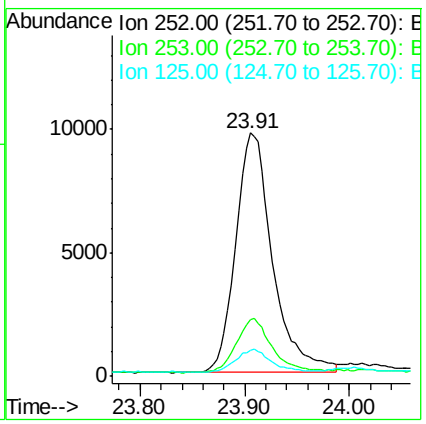


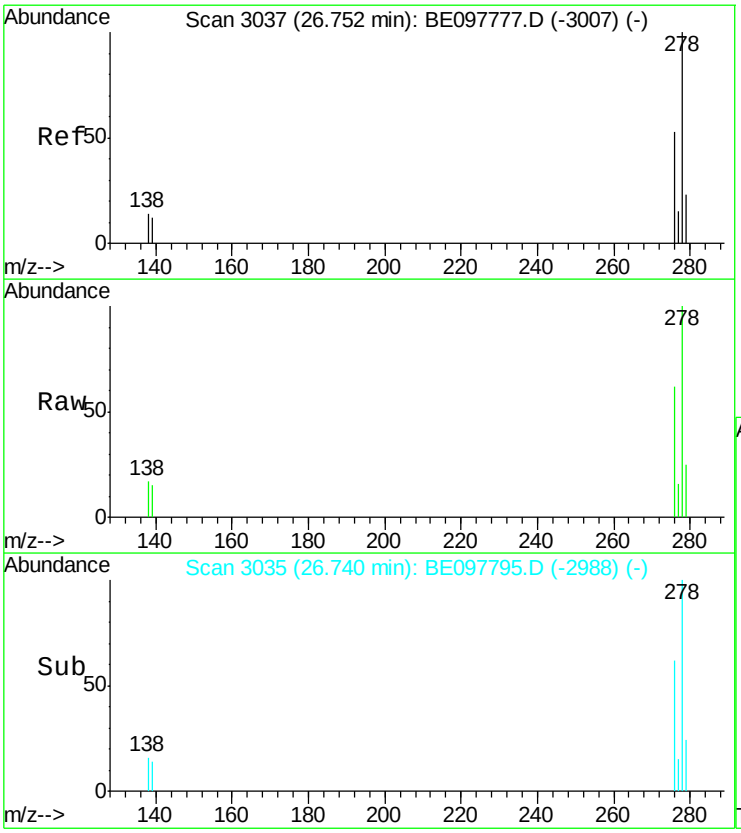

#37
Benzo(a)pyrene
Concen: 0.420 ng
RT: 23.91 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:252 Resp: 23797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.7 | 26.5 |
| 125 | 10.5 | 8.3 | 12.5 |

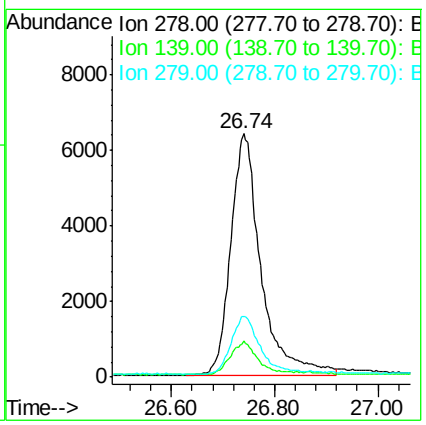


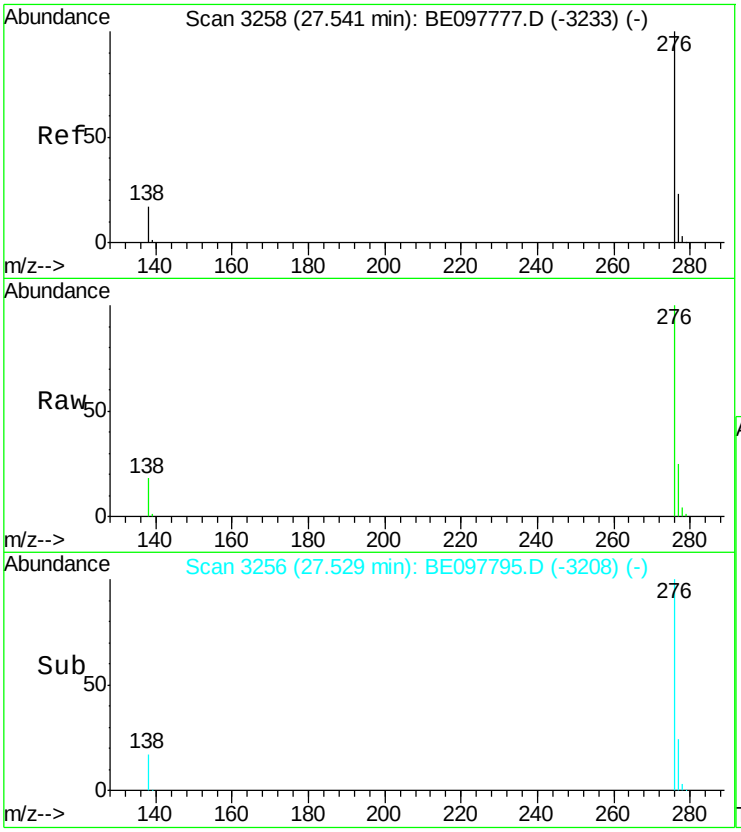




#38
Dibenzo(a,h)anthracene
Concen: 0.466 ng
RT: 26.74 min Scan# 3035
Delta R.T. -0.03 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

Tgt Ion:278 Resp: 26029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.7 | 10.3 | 15.5 |
| 279 | 24.8 | 18.4 | 27.6 |






#39
Benzo(g,h,i)perylene
Concen: 0.491 ng
RT: 27.53 min Scan# 3256
Delta R.T. -0.03 min
Lab File: BE097795.D
Acq: 8 Oct 2018 15:35

**Instrument :**
BNA_E
**ClientSampleId :**
PB113550BS

Tgt Ion:276 Resp: 28711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.5 | 19.1 | 28.7 |
| 138 | 17.8 | 14.2 | 21.2 |