Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
Data File : BE098653.D
Acq On : 17 Jan 2019 19:02
Operator : SJ/JU
Sample : PB116461BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB116461BS

Quant Time: Jan 18 01:57:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 1323 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.60 | 136 | 6240 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.47 | 164 | 4236 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.23 | 188 | 10085 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.42 | 240 | 11334 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.92 | 264 | 10926 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.40 | 112 | 1262 | 0.36 | ng | | 0.00 |
| 5) Phenol-d6 | 6.99 | 99 | 1940 | 0.39 | ng | | -0.01 |
| 8) Nitrobenzene-d5 | 8.96 | 82 | 1990 | 0.40 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 3568 | 0.35 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.97 | 330 | 704 | 0.38 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.10 | 172 | 5646 | 0.33 | ng | | 0.01 |
| 25) Fluoranthene-d10 | 19.26 | 212 | 41189 | 0.33 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.86 | 244 | 8497 | 0.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 858 | 0.344 | ng | | 96 |
| 3) n-Nitrosodimethylamine | 3.65 | 42 | 703 | 0.378 | ng | # | 95 |
| 6) bis(2-Chloroethyl)ether | 7.24 | 93 | 1263 | 0.332 | ng | | 96 |
| 9) Naphthalene | 10.65 | 128 | 20930 | 0.337 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.94 | 225 | 1582 | 0.356 | ng | | 96 |
| 12) 2-Methylnaphthalene | 12.28 | 142 | 3372 | 0.327 | ng | | 94 |
| 16) Acenaphthylene | 14.20 | 152 | 5935 | 0.324 | ng | | 99 |
| 17) Acenaphthene | 14.54 | 154 | 3752 | 0.326 | ng | | 99 |
| 18) Fluorene | 15.51 | 166 | 5067 | 0.338 | ng | | 99 |
| 20) 4-Bromophenyl-phenylether | 16.41 | 248 | 1746 | 0.327 | ng | | 91 |
| 21) Hexachlorobenzene | 16.53 | 284 | 2208 | 0.342 | ng | | 97 |
| 22) Pentachlorophenol | 16.89 | 266 | 682 | 0.459 | ng | | 98 |
| 23) Phenanthrene | 17.27 | 178 | 7931 | 0.332 | ng | | 100 |
| 24) Anthracene | 17.36 | 178 | 6511 | 0.318 | ng | | 99 |
| 26) Fluoranthene | 19.29 | 202 | 9934 | 0.323 | ng | | 99 |
| 28) Pyrene | 19.65 | 202 | 10532 | 0.338 | ng | | 100 |
| 30) Benzo(a)anthracene | 21.39 | 228 | 10399 | 0.341 | ng | | 98 |
| 31) Chrysene | 21.45 | 228 | 10519 | 0.333 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 19891 | 0.308 | ng | | 100 |
| 33) Indeno(1,2,3-cd)pyrene | 26.57 | 276 | 11660 | 0.358 | ng | | 99 |
| 35) Benzo(b)fluoranthene | 23.15 | 252 | 10029 | 0.336 | ng | | 98 |
| 36) Benzo(k)fluoranthene | 23.20 | 252 | 11222 | 0.345 | ng | | 99 |
| 37) Benzo(a)pyrene | 23.81 | 252 | 10100 | 0.345 | ng | | 99 |
| 38) Dibenzo(a,h)anthracene | 26.59 | 278 | 9363 | 0.361 | ng | # | 95 |
| 39) Benzo(g,h,i)perylene | 27.38 | 276 | 9786 | 0.344 | ng | | 97 |

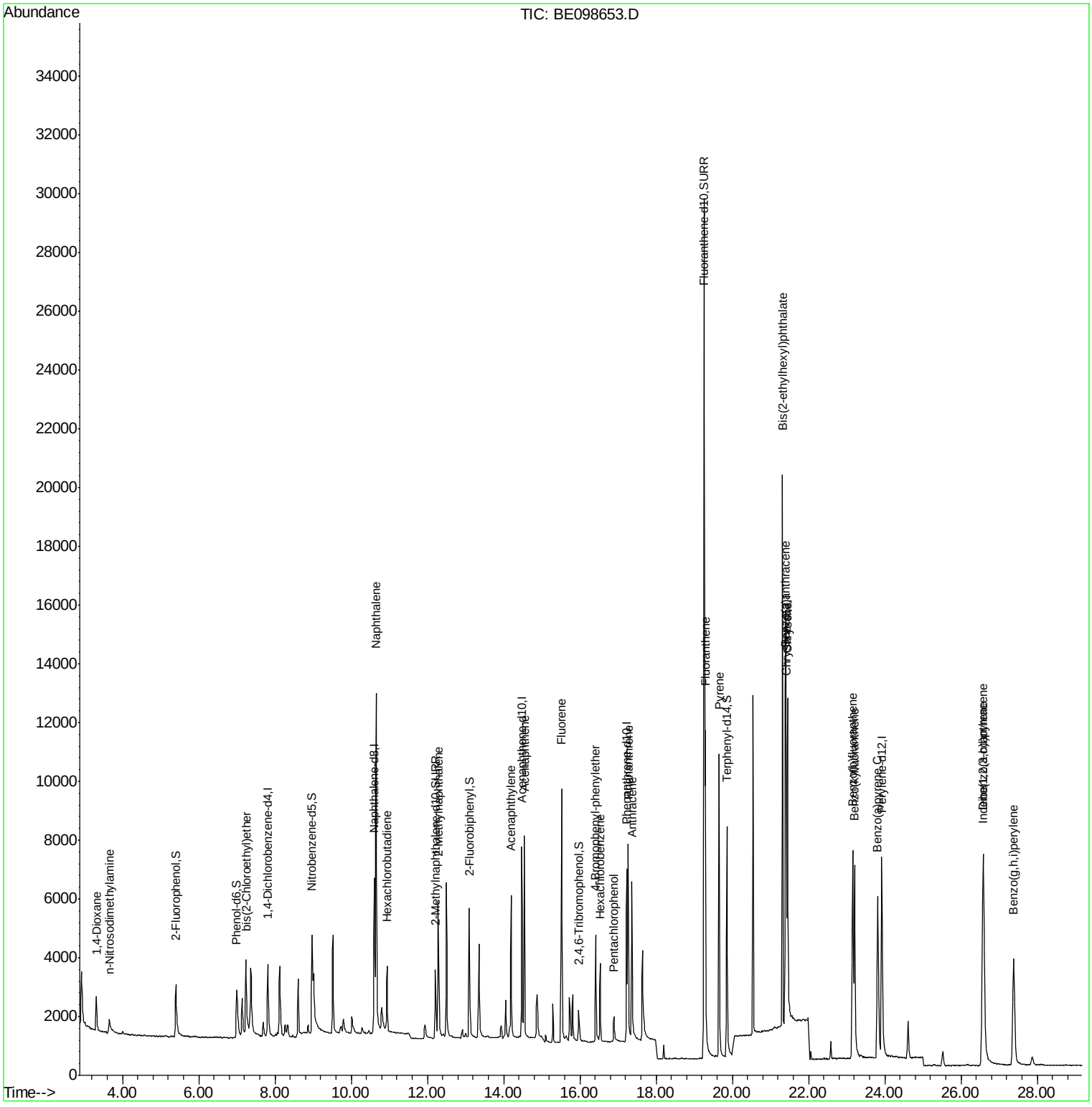
(#) = qualifier out of range (m) = manual integration (+) = signals summed

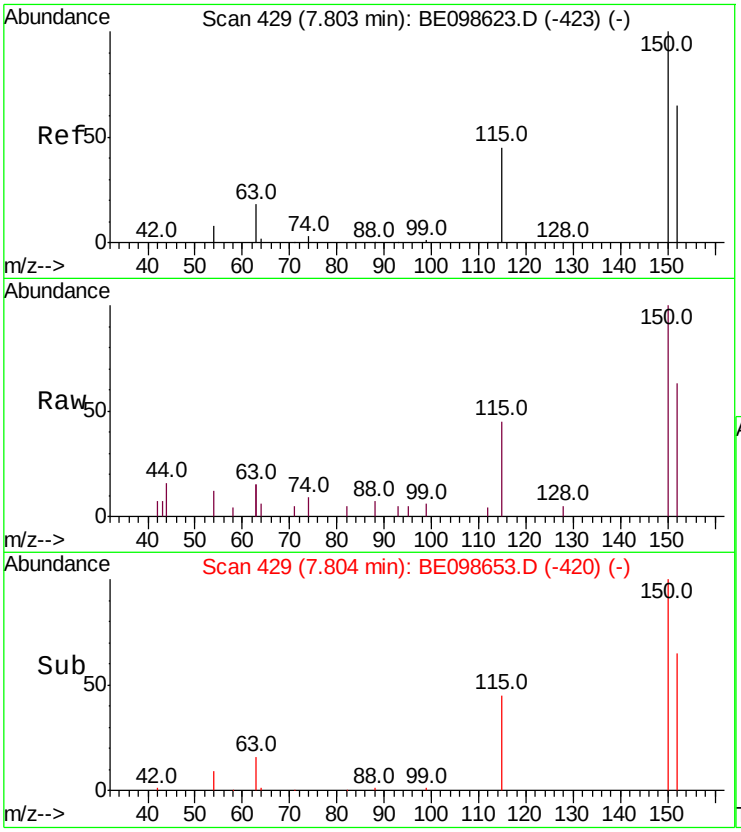
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
Data File : BE098653.D
Acq On : 17 Jan 2019 19:02
Operator : SJ/JU
Sample : PB116461BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Quant Time: Jan 18 01:57:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration



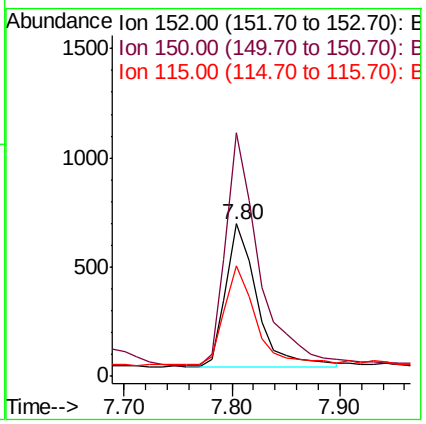


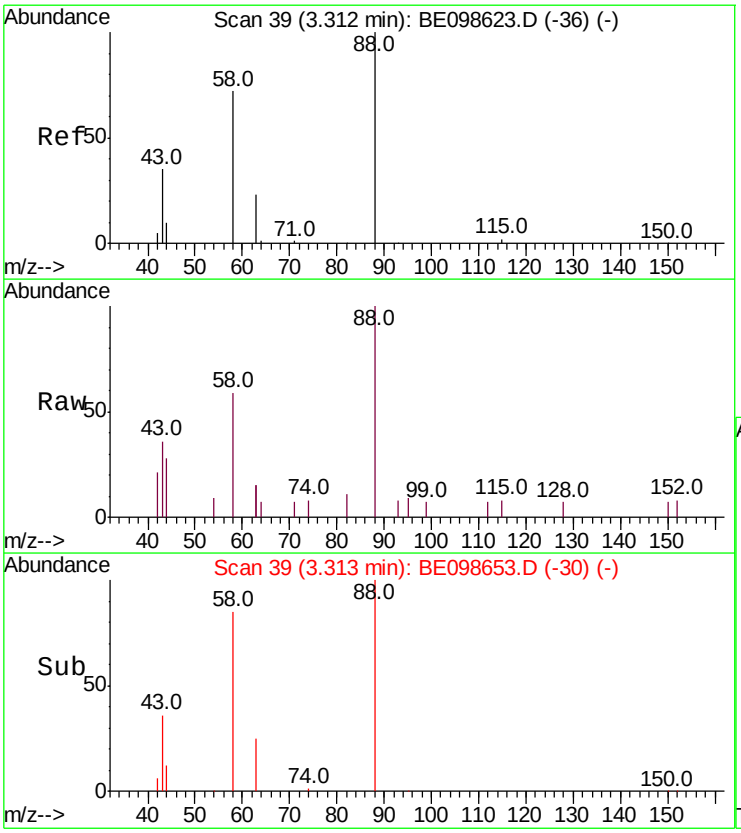

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:152 Resp: 1323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.6 | 121.4 | 182.2 |
| 115 | 72.5 | 59.1 | 88.7 |

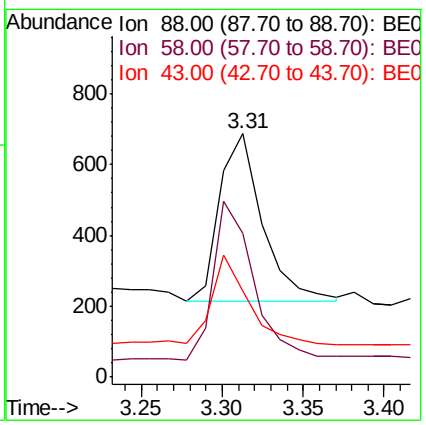


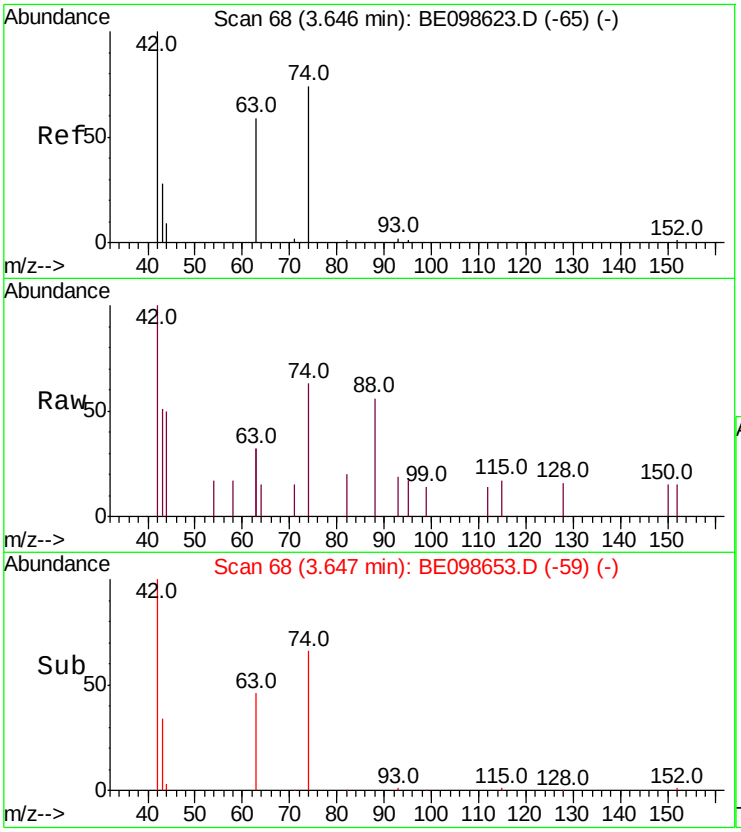




#2
1,4-Dioxane
Concen: 0.344 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion: 88 Resp: 858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 91.0 | 73.9 | 110.9 |
| 43 | 47.8 | 43.7 | 65.5 |



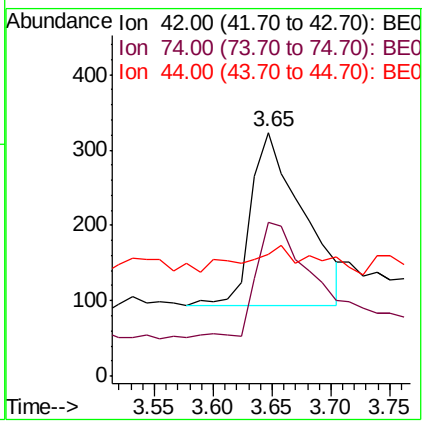


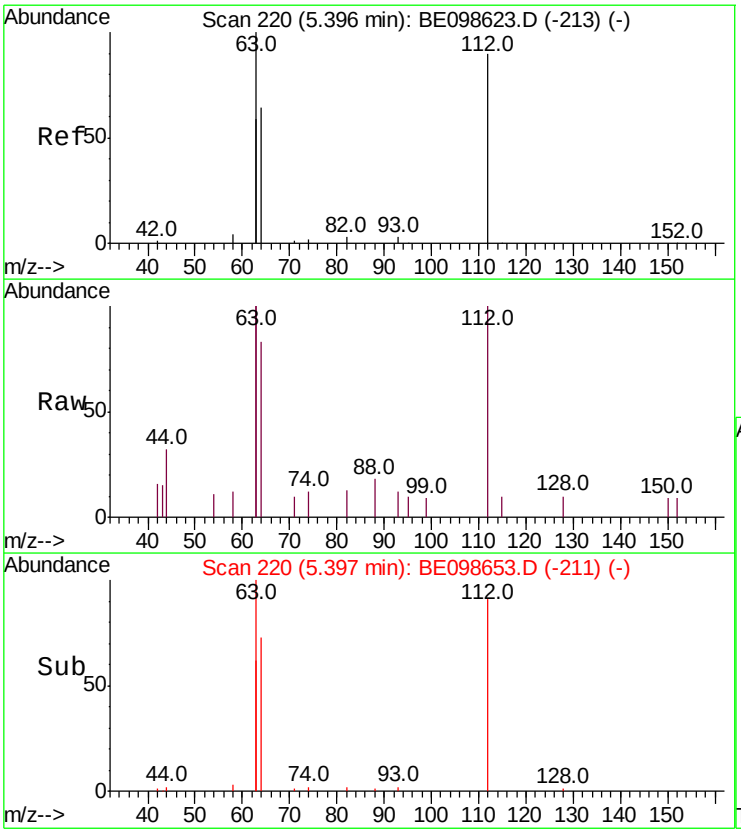

#3
n-Nitrosodimethylamine
Concen: 0.378 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion: 42 Resp: 703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 69.7 | 58.9 | 88.3 |
| 44 | 7.8 | 0.0 | 0.0# |

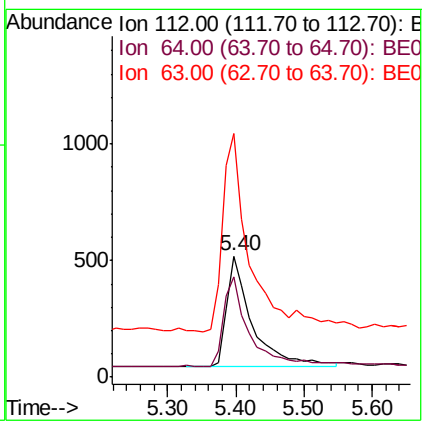


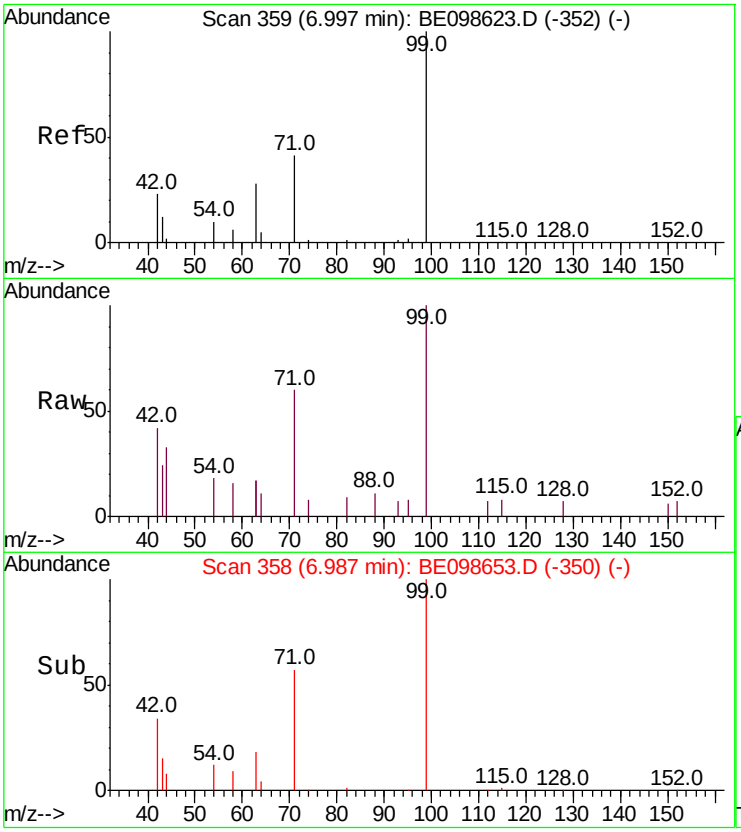




#4
2-Fluorophenol
Concen: 0.358 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:112 Resp: 1262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 88.4 | 62.9 | 94.3 |
| 63 | 173.8 | 152.2 | 228.4 |



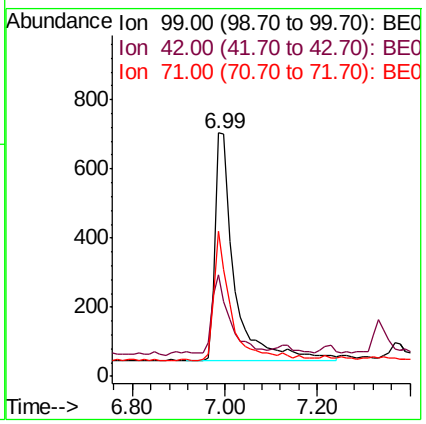


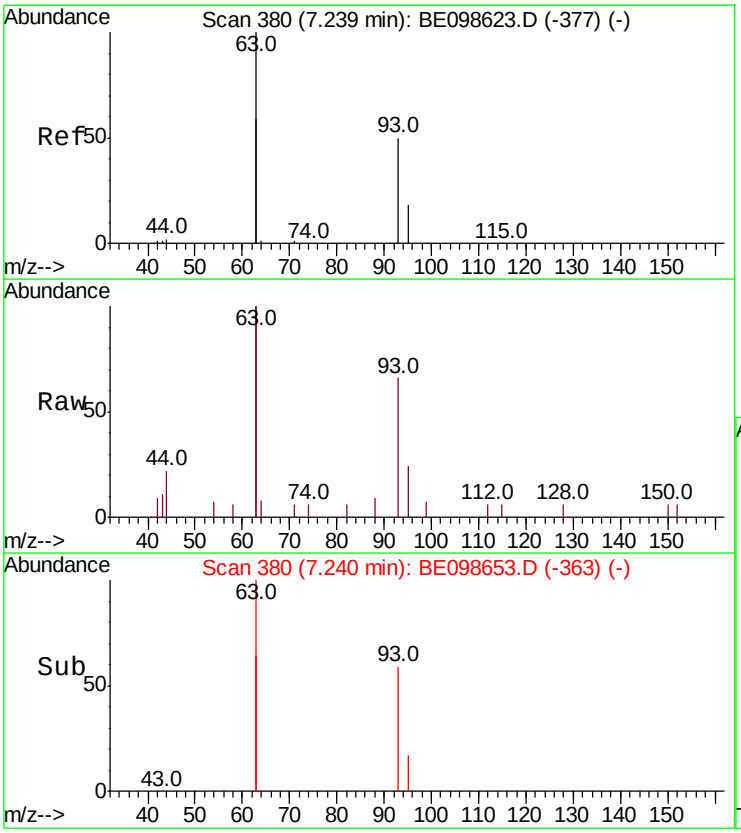

#5
Phenol-d6
Concen: 0.386 ng
RT: 6.99 min Scan# 358
Delta R.T. -0.01 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion: 99 Resp: 1940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 29.6 | 24.6 | 37.0 |
| 71 | 47.0 | 35.1 | 52.7 |

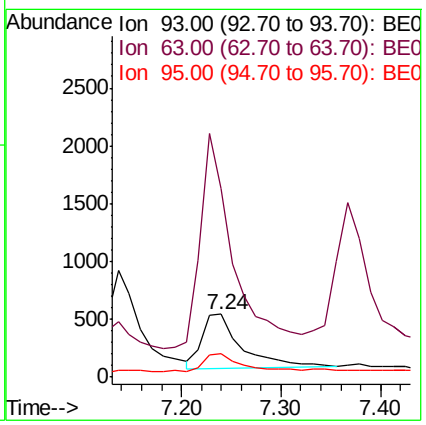


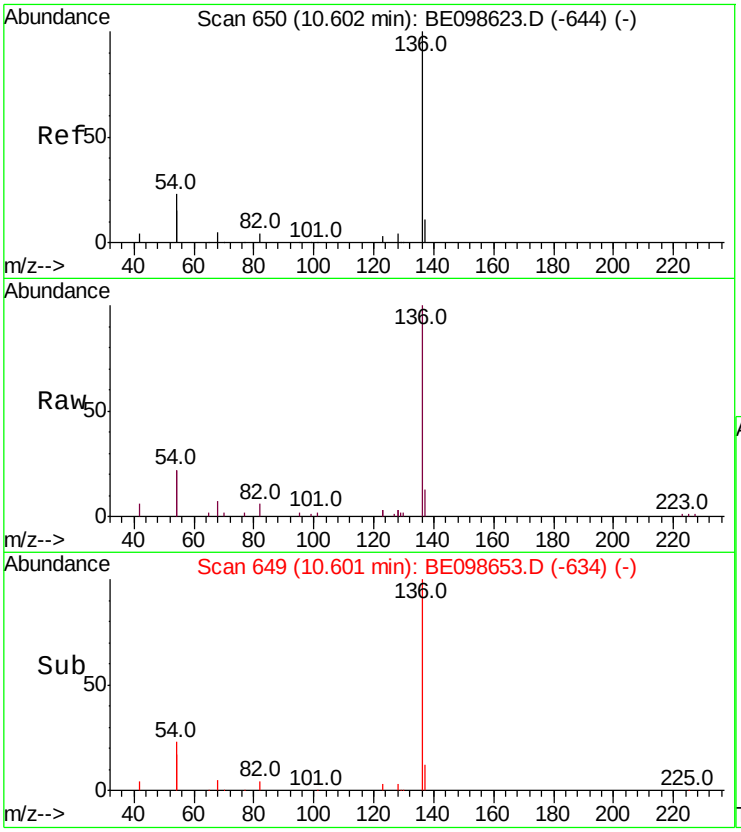




#6
bis(2-Chloroethyl)ether
Concen: 0.332 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion: 93 Resp: 1263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 342.3 | 267.3 | 400.9 |
| 95 | 31.7 | 26.2 | 39.4 |



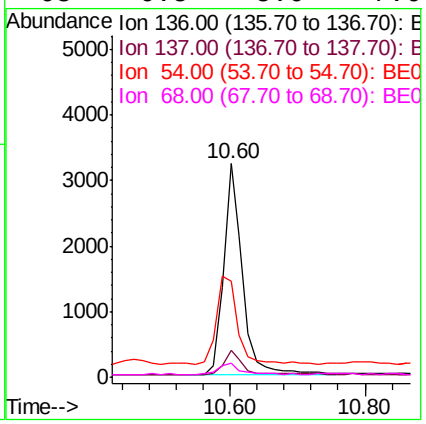


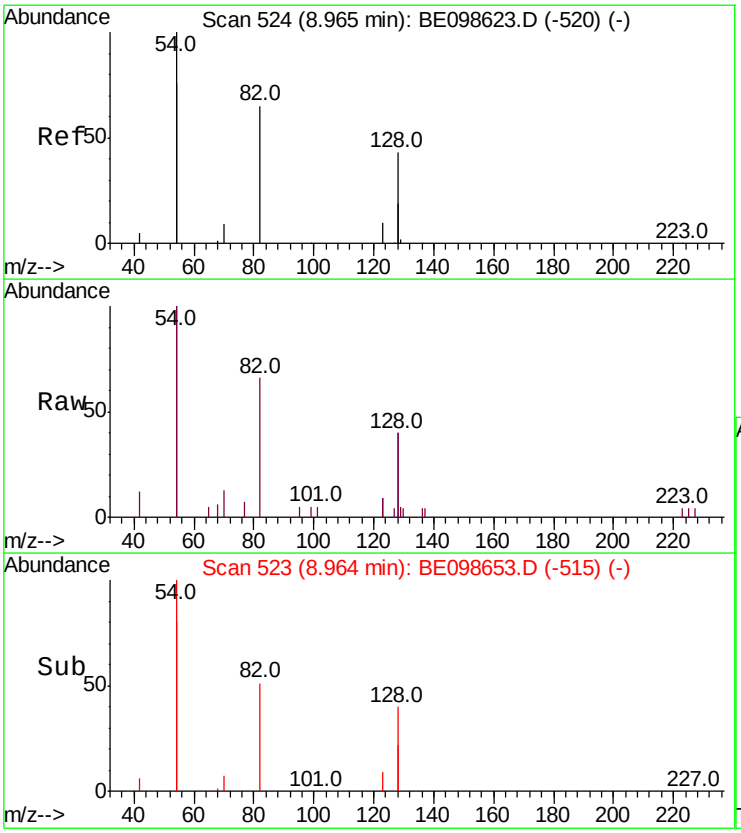

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:136 Resp: 6240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.9 | 9.7 | 14.5 |
| 54 | 45.0 | 35.5 | 53.3 |
| 68 | 6.5 | 5.0 | 7.6 |

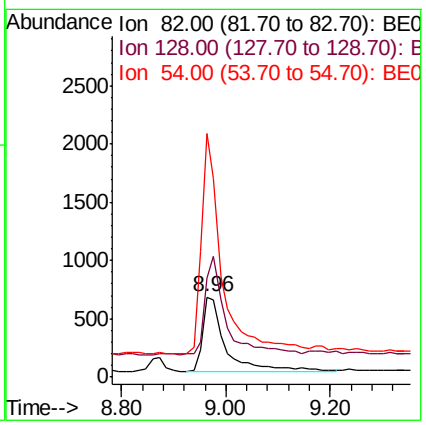


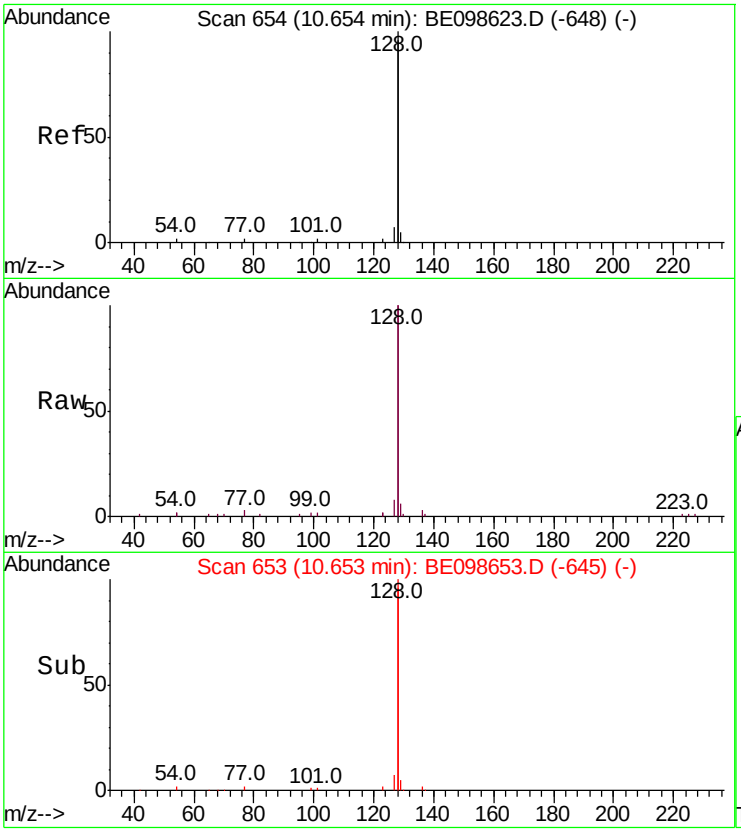




#8
Nitrobenzene-d5
Concen: 0.402 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion: 82 Resp: 1990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 123.3 | 96.5 | 144.7 |
| 54 | 304.7 | 224.7 | 337.1 |



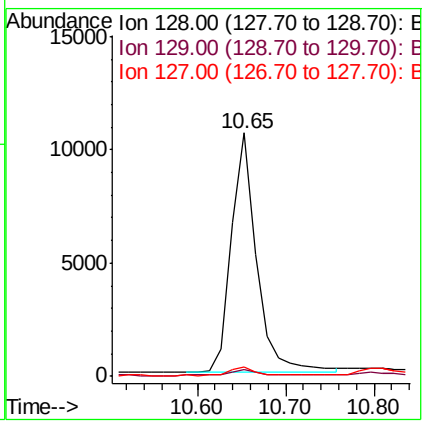


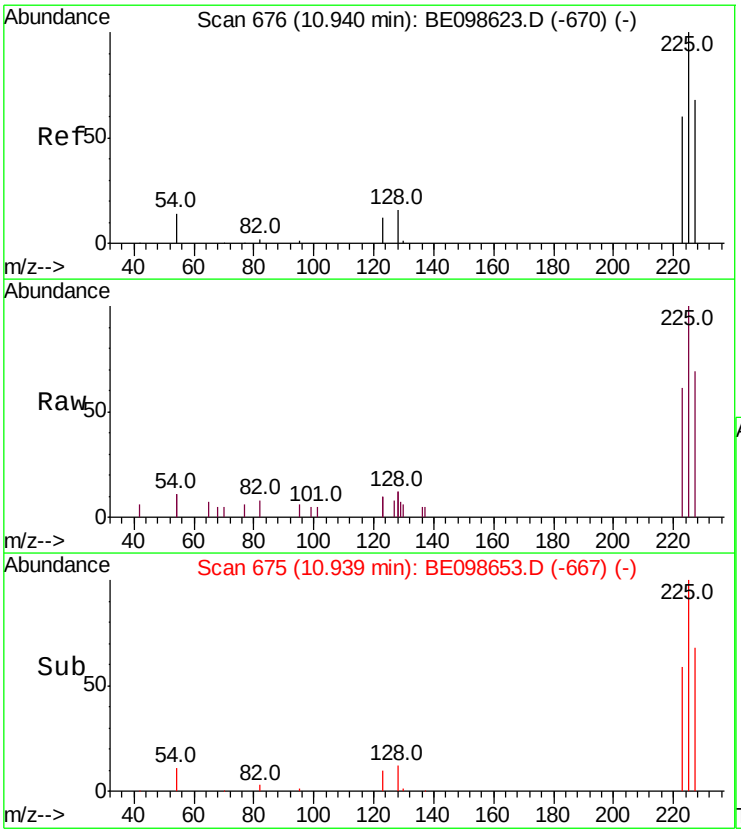

#9
Naphthalene
Concen: 0.337 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:128 Resp: 20930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.0 | 2.6 | 3.8 |
| 127 | 3.9 | 3.0 | 4.6 |

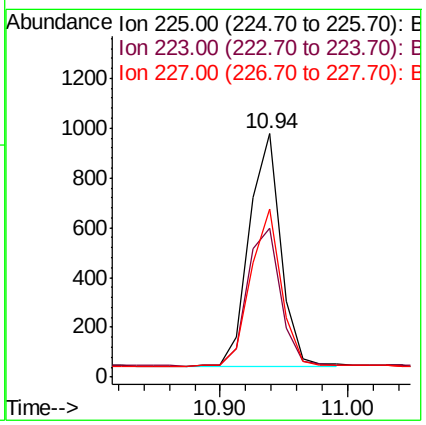


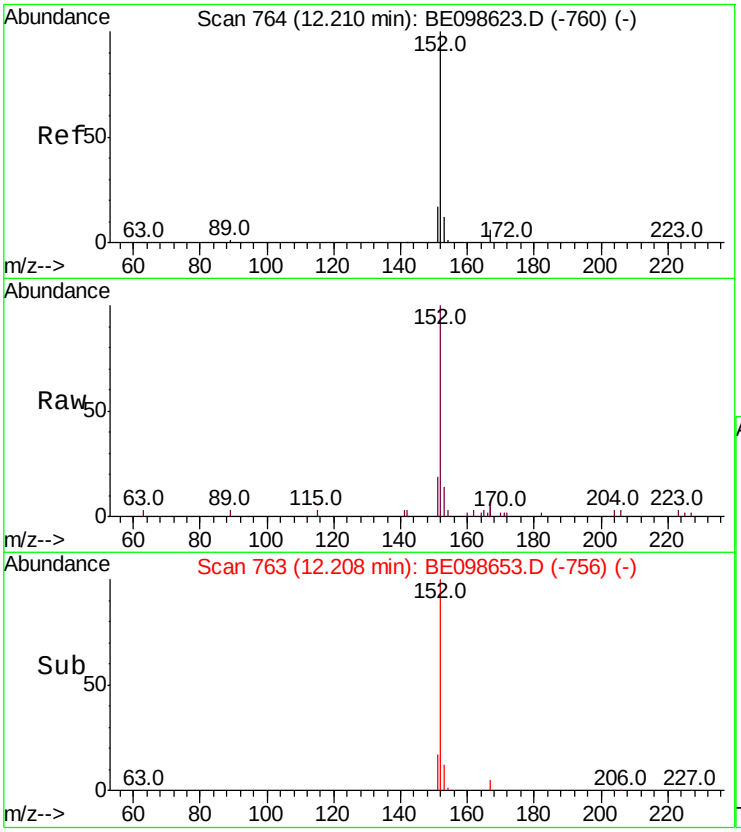




#10
Hexachlorobutadiene
Concen: 0.356 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:225 Resp: 1582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 47.8 | 71.8 |
| 227 | 66.1 | 50.5 | 75.7 |



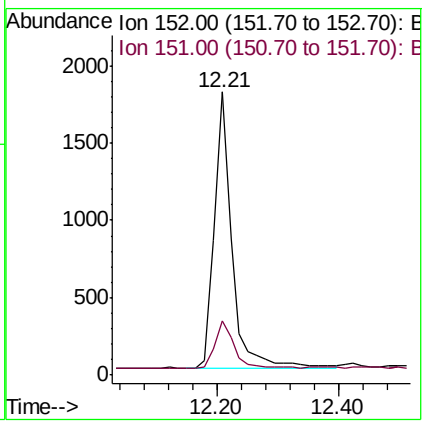


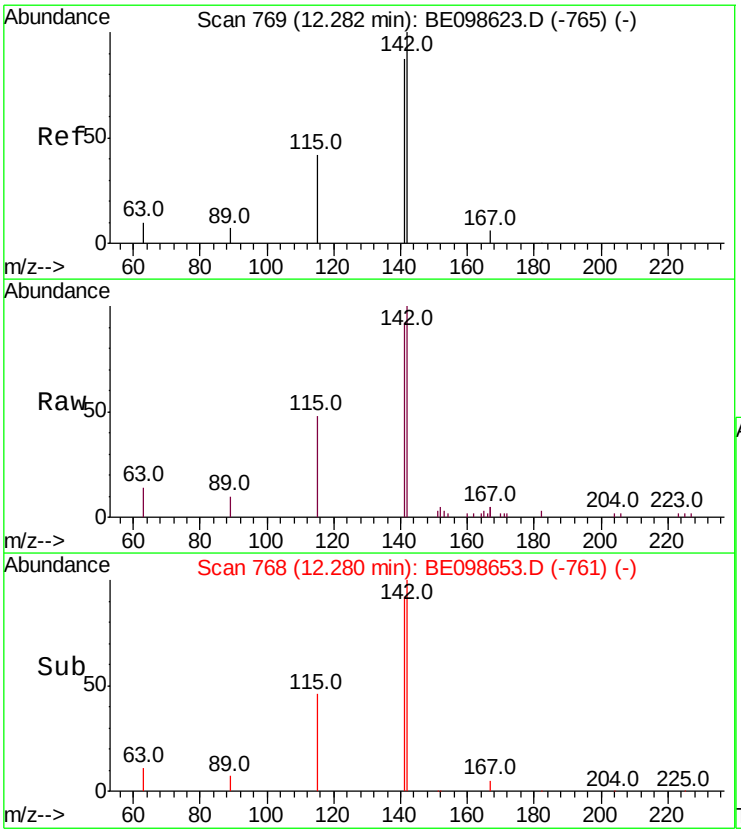

#11
2-Methylnaphthalene-d10
Concen: 0.347 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:152 Resp: 3568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 16.2 | 24.4 |

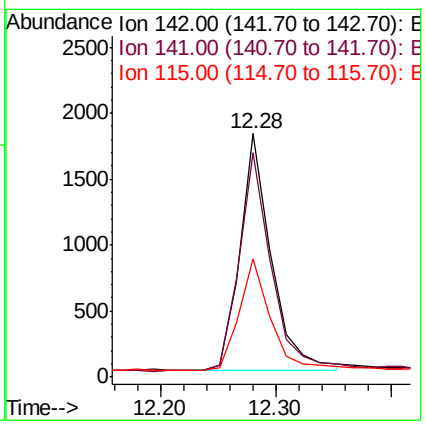


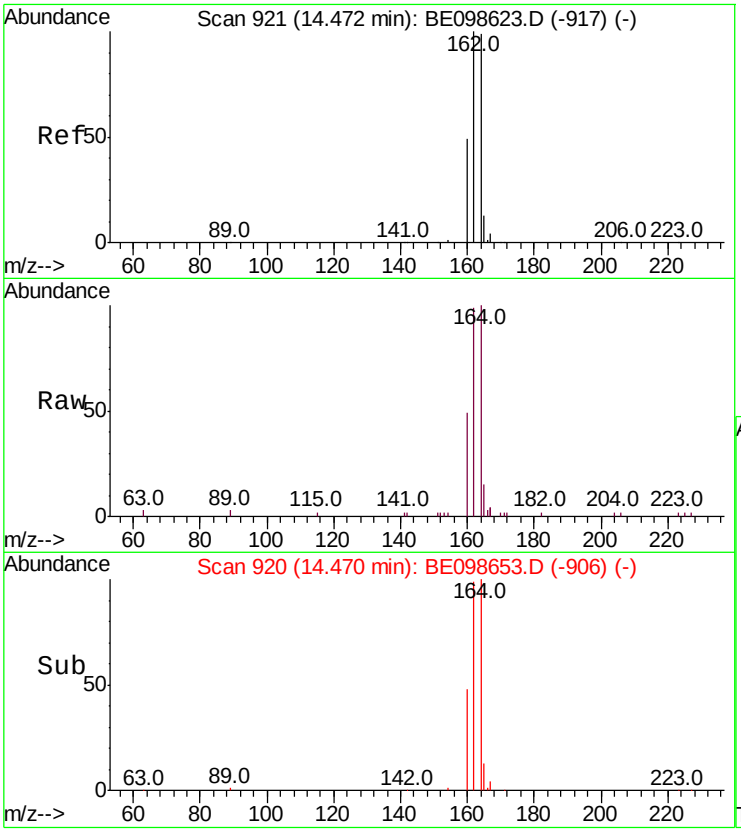




#12
2-Methylnaphthalene
Concen: 0.327 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:142 Resp: 3372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 70.0 | 105.0 |
| 115 | 48.3 | 35.2 | 52.8 |



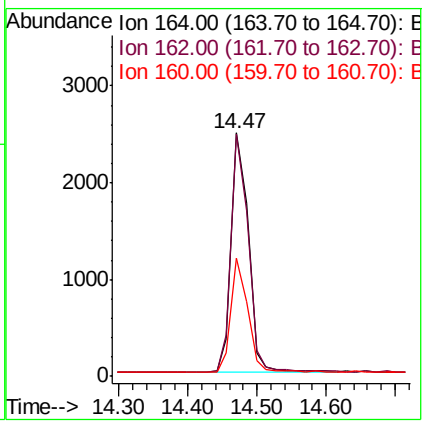


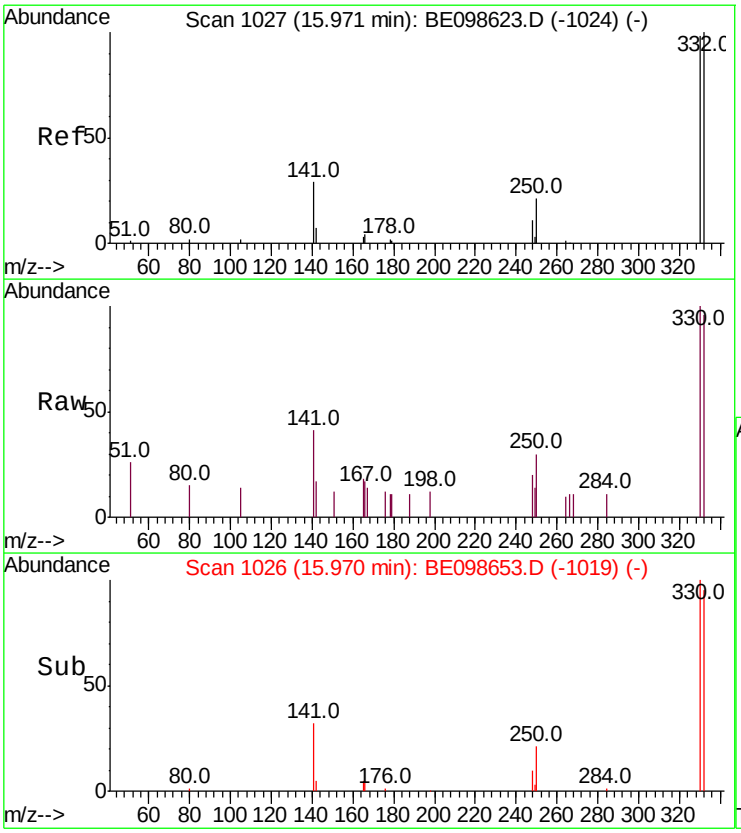

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:164 Resp: 4236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 80.5 | 120.7 |
| 160 | 48.6 | 40.1 | 60.1 |

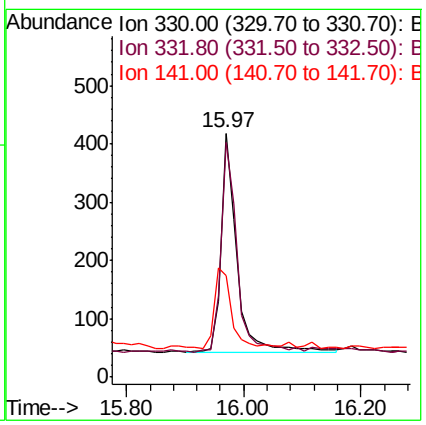


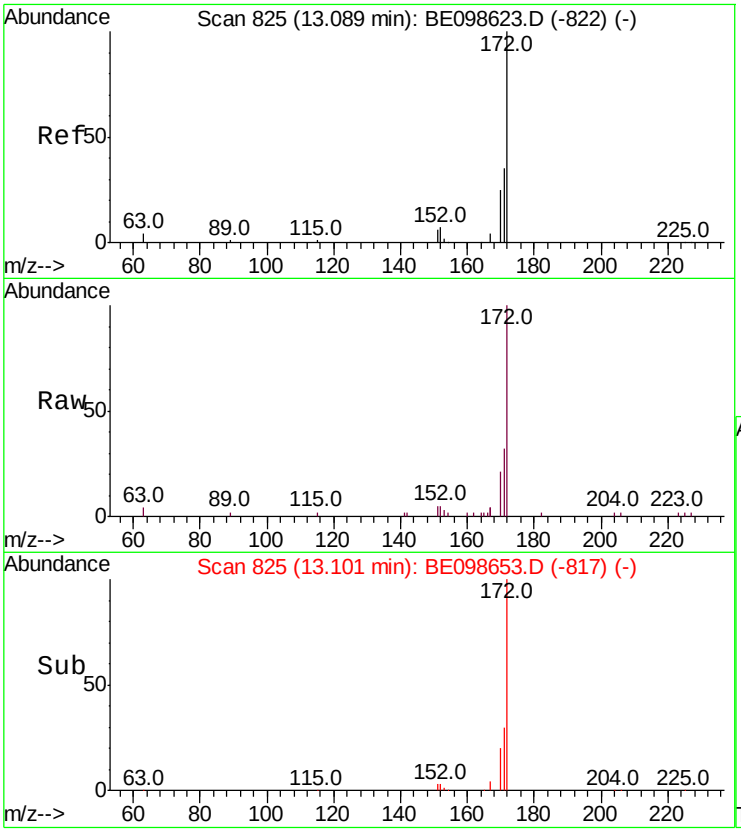




#14
2,4,6-Tribromophenol
Concen: 0.382 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:330 Resp: 704

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.3 | 73.3 | 109.9 |
| 141 | 39.5 | 33.1 | 49.7 |



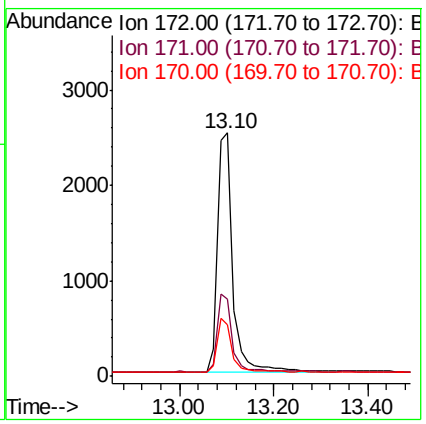


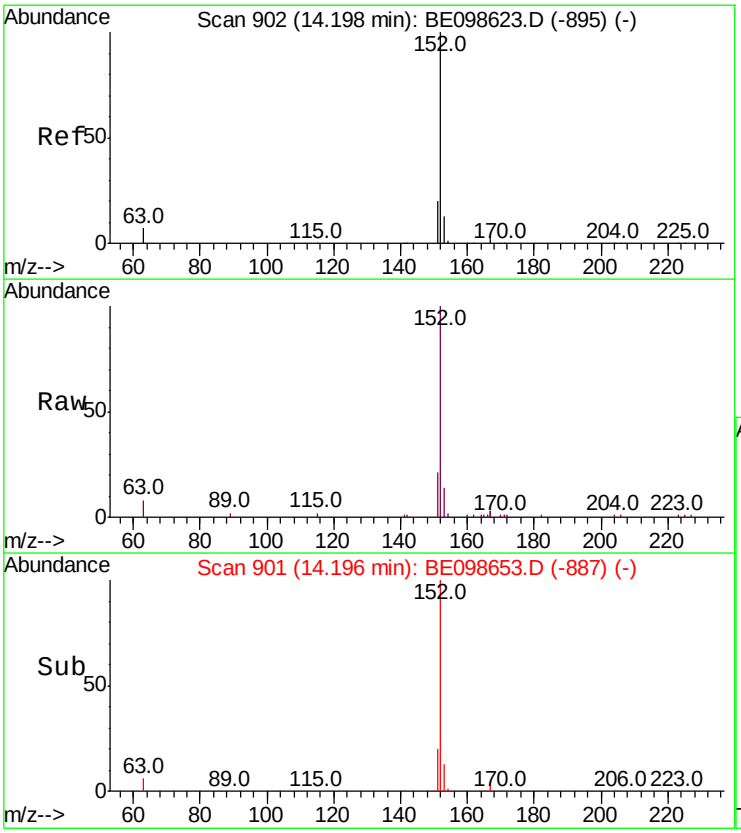

#15
2-Fluorobiphenyl
Concen: 0.325 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:172 Resp: 5646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 31.5 | 29.0 | 43.4 |
| 170 | 21.3 | 20.8 | 31.2 |

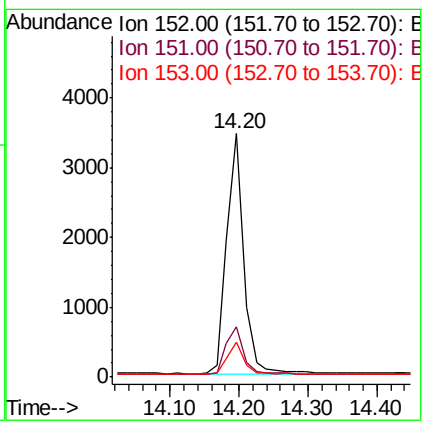


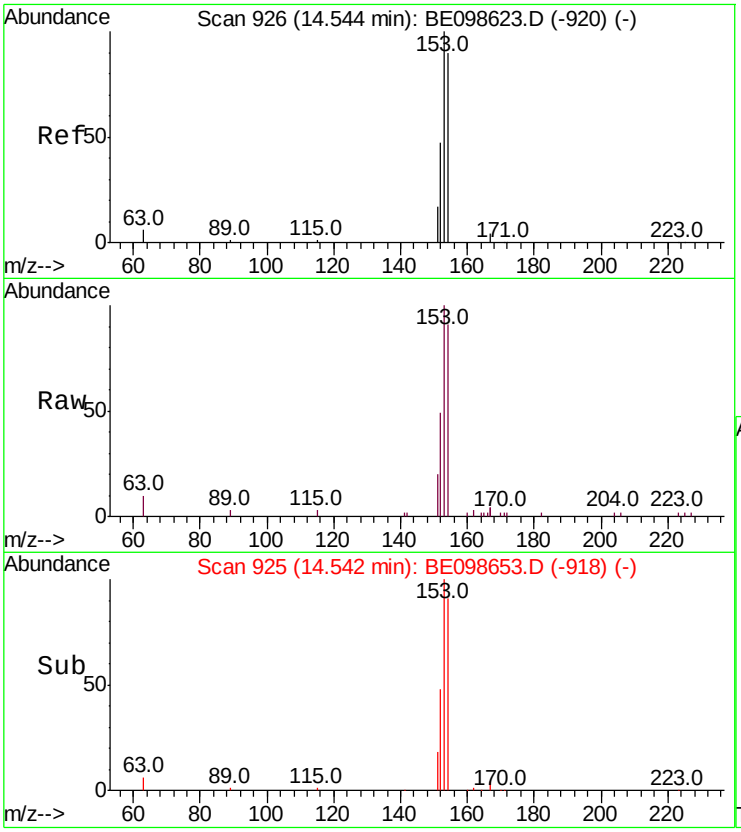




#16
Acenaphthylene
Concen: 0.324 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:152 Resp: 5935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 16.3 | 24.5 |
| 153 | 12.3 | 10.7 | 16.1 |



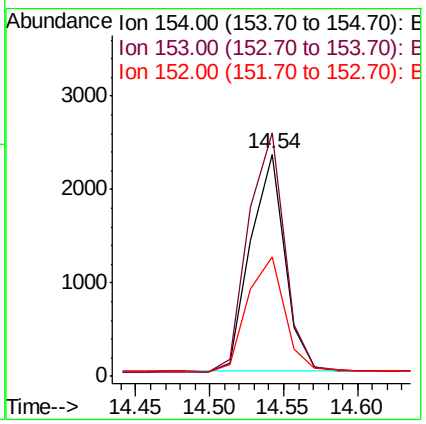


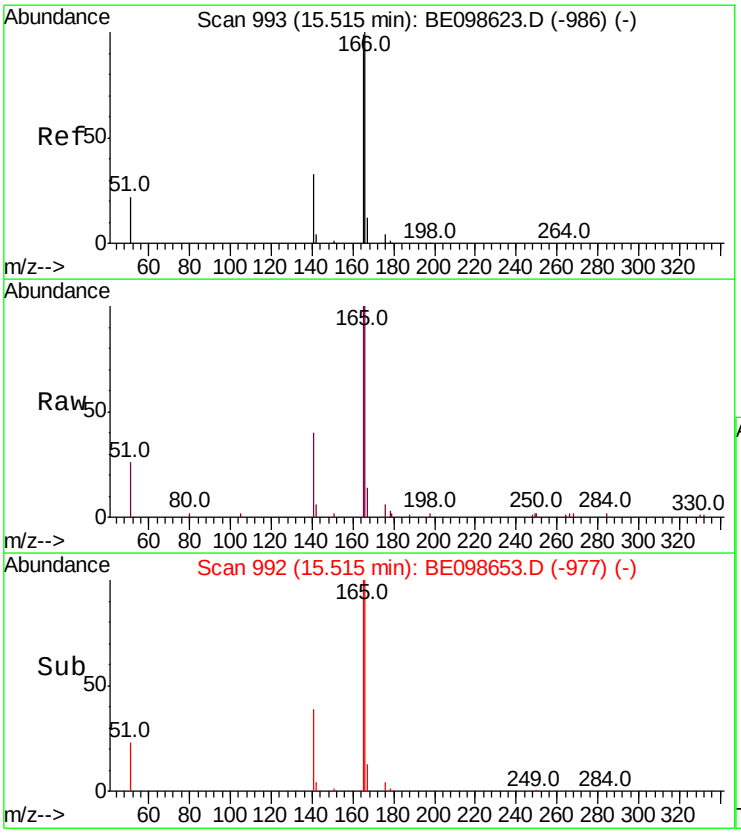

#17
Acenaphthene
Concen: 0.326 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:154 Resp: 3752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.6 | 93.9 | 140.9 |
| 152 | 56.7 | 45.8 | 68.8 |

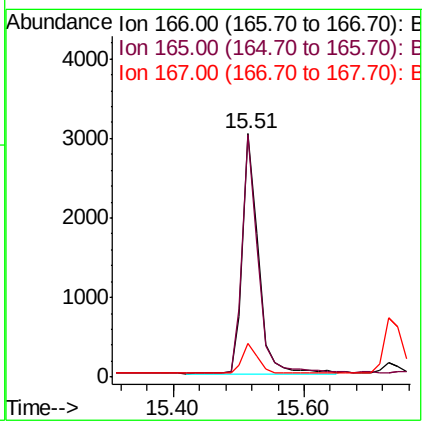


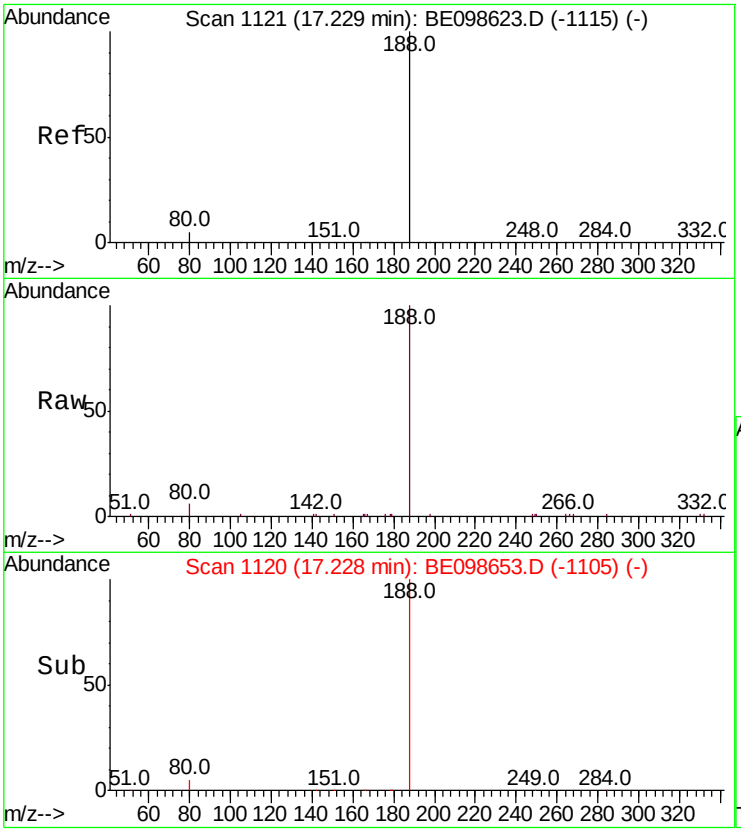




#18
Fluorene
Concen: 0.338 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:166 Resp: 5067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.0 | 79.3 | 118.9 |
| 167 | 12.8 | 10.6 | 15.8 |



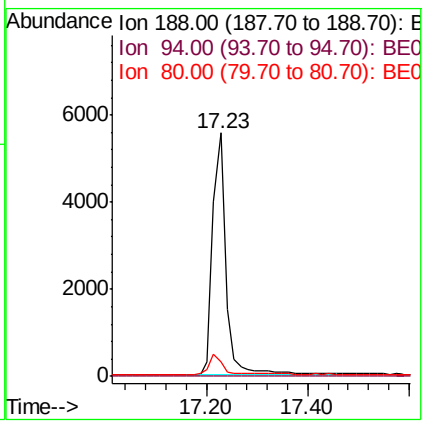


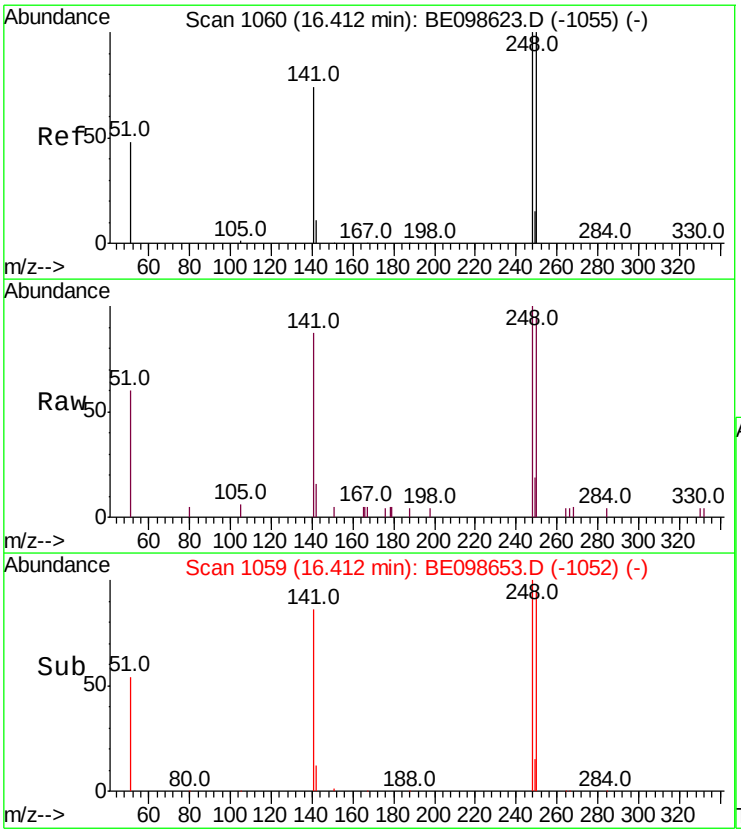

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:188 Resp: 10085

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 6.2 | 4.7 | 7.1 |

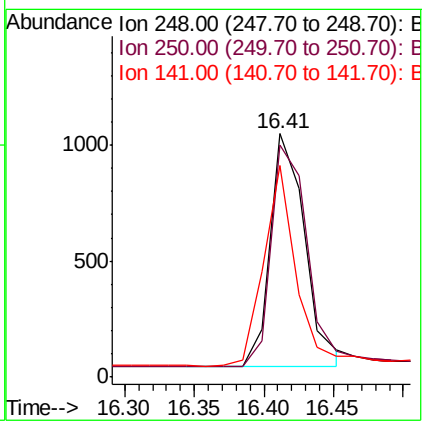


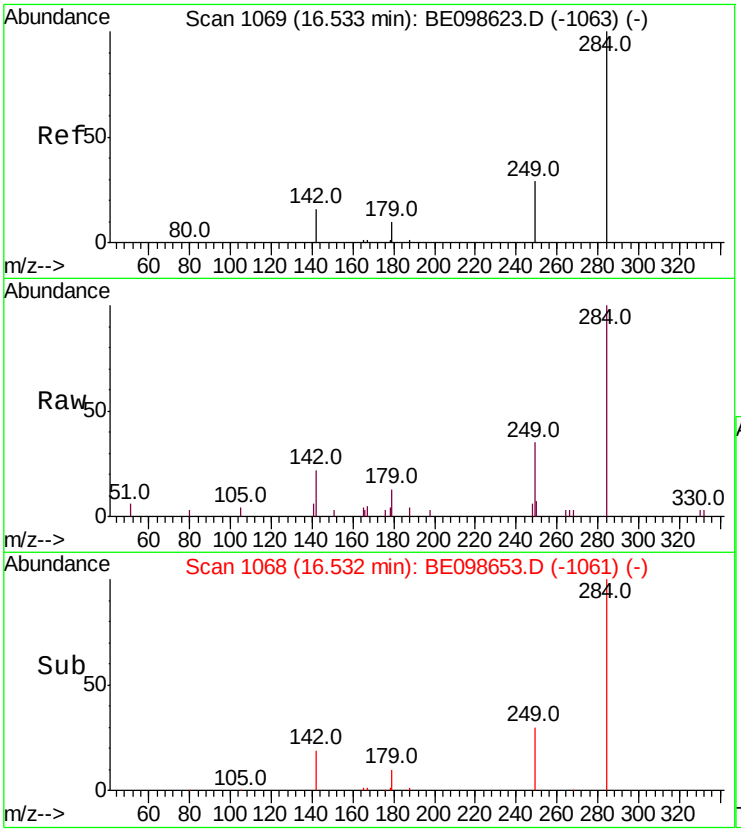




#20
4-Bromophenyl-phenylether
Concen: 0.327 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:248 Resp: 1746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 95.1 | 80.2 | 120.4 |
| 141 | 86.9 | 60.5 | 90.7 |



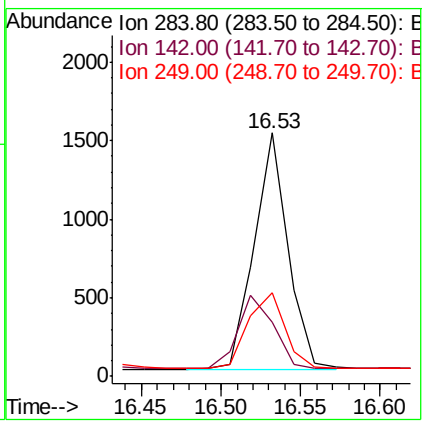


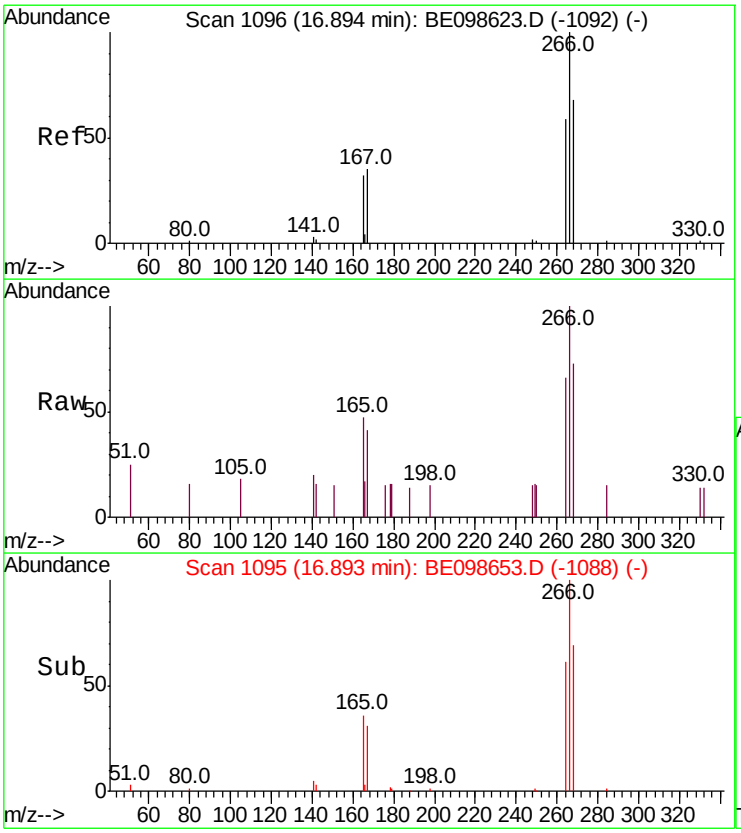

#21
Hexachlorobenzene
Concen: 0.342 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:284 Resp: 2208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.2 | 25.5 | 38.3 |
| 249 | 35.0 | 26.6 | 39.8 |

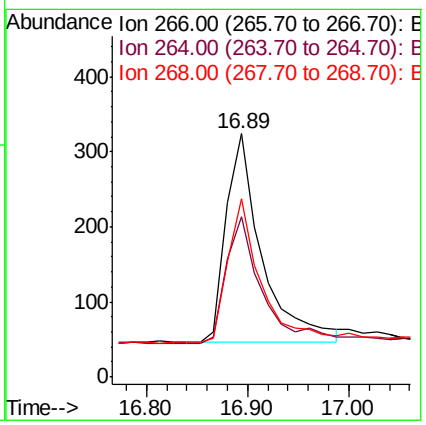


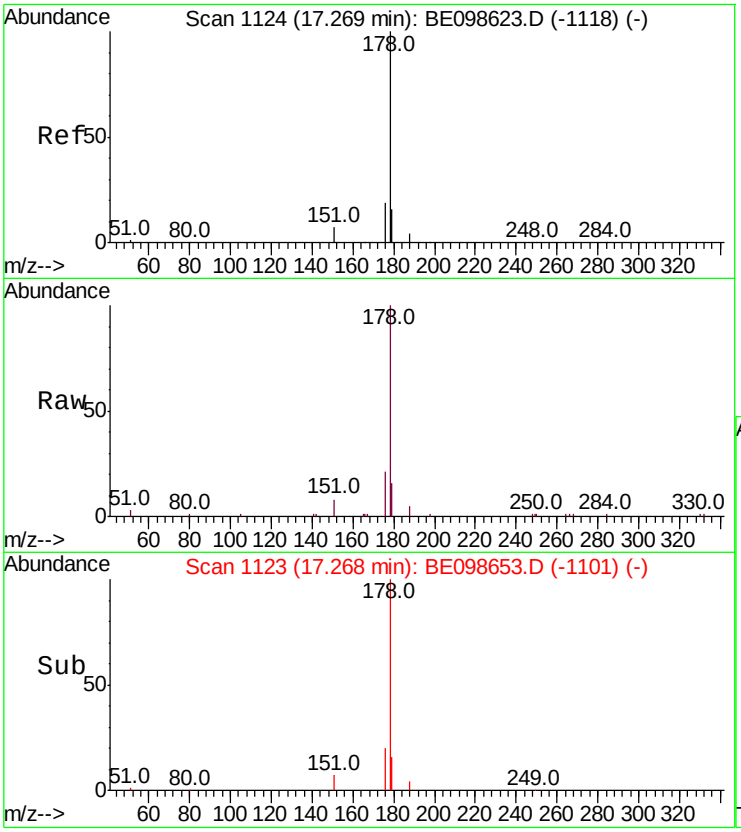




#22
Pentachlorophenol
Concen: 0.459 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:266 Resp: 682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 66.0 | 53.7 | 80.5 |
| 268 | 73.1 | 59.8 | 89.8 |



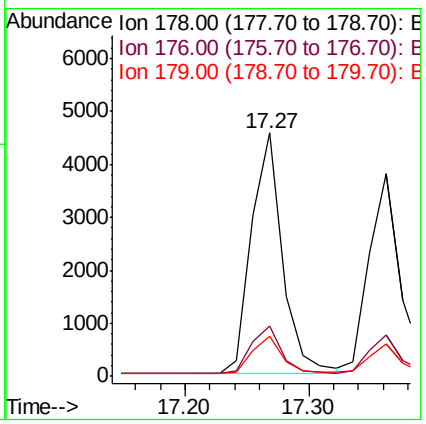


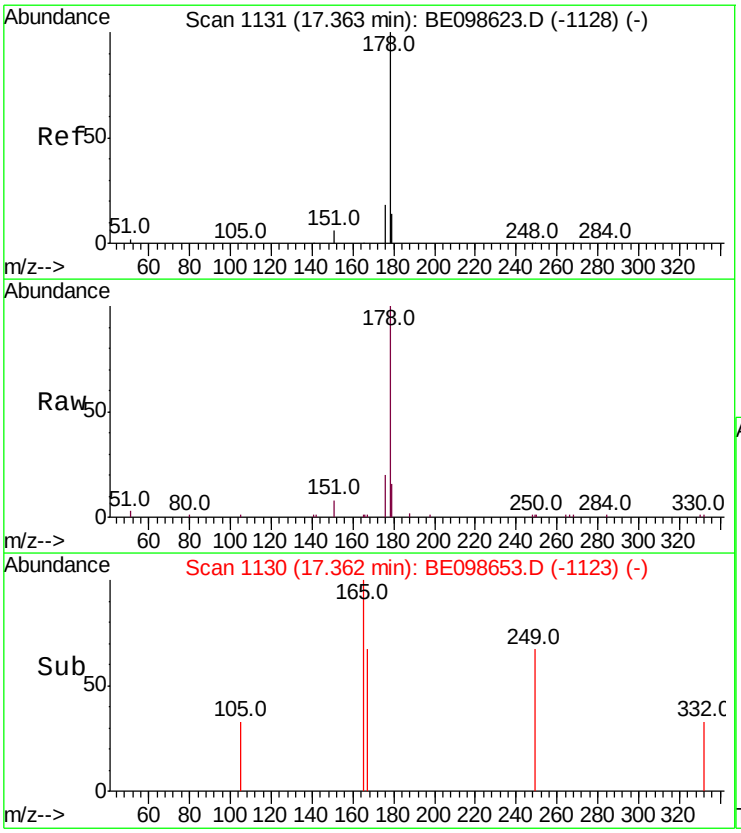

#23
Phenanthrene
Concen: 0.332 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:178 Resp: 7931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.9 | 23.9 |
| 179 | 15.3 | 12.2 | 18.4 |

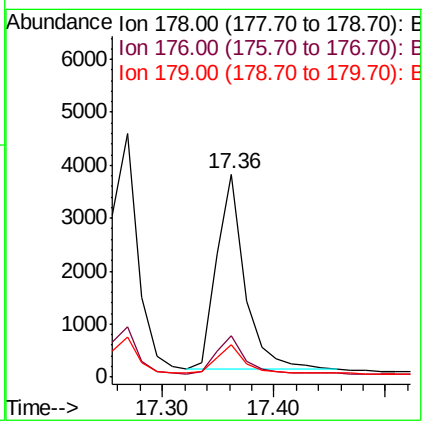


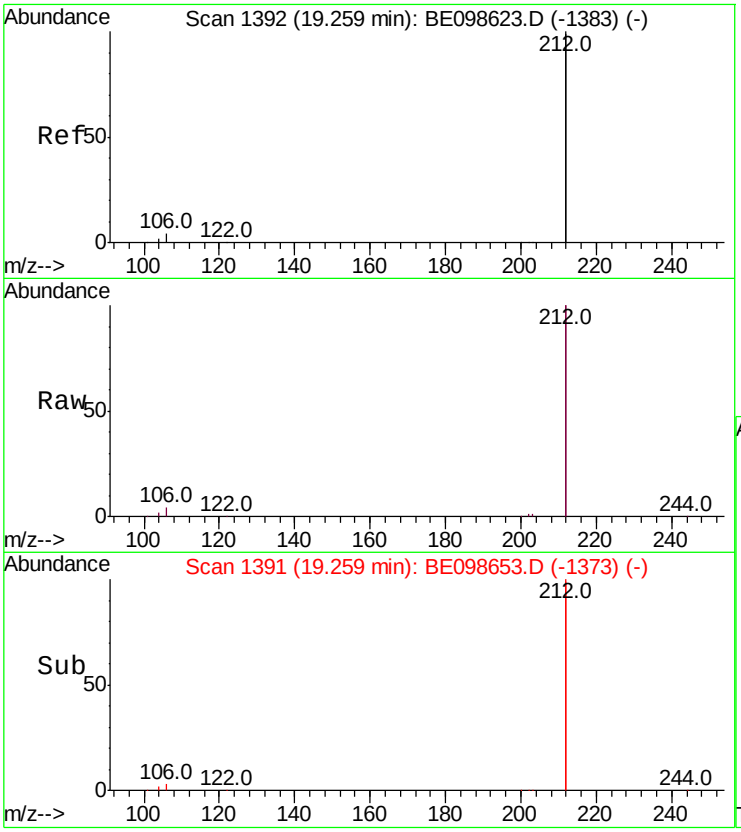




#24
Anthracene
Concen: 0.318 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:178 Resp: 6511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 14.9 | 22.3 |
| 179 | 14.3 | 11.8 | 17.8 |



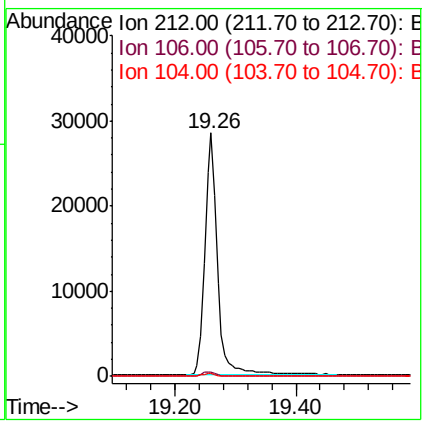


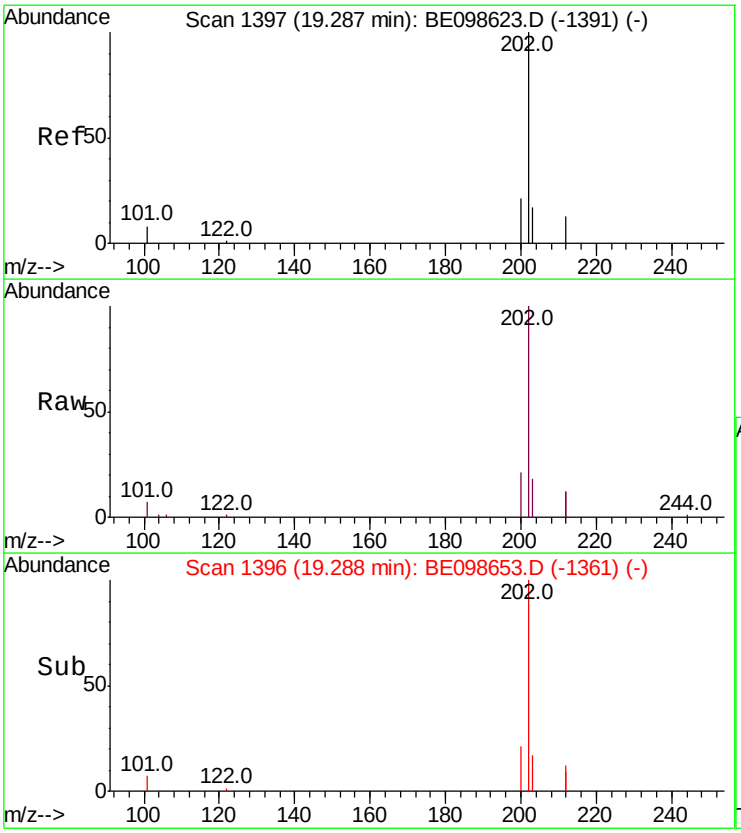

#25
Fluoranthene-d10
Concen: 0.330 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:212 Resp: 41189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 1.9 | 1.7 | 2.5 |
| 104 | 1.1 | 1.0 | 1.6 |

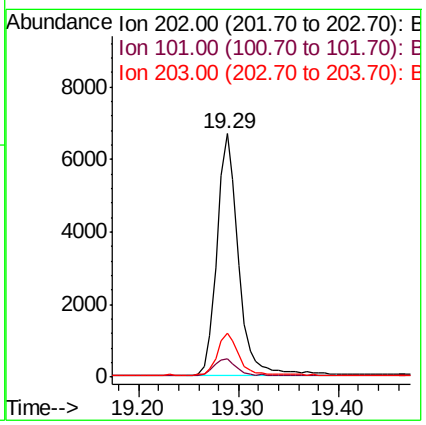


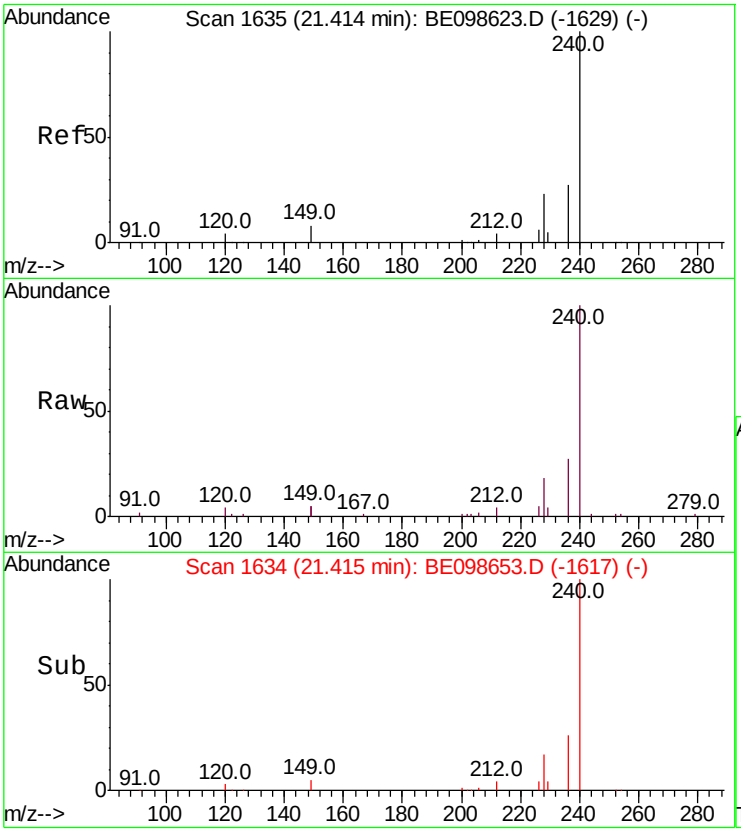




#26
Fluoranthene
Concen: 0.323 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:202 Resp: 9934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.5 | 6.7 | 10.1 |
| 203 | 16.8 | 13.3 | 19.9 |



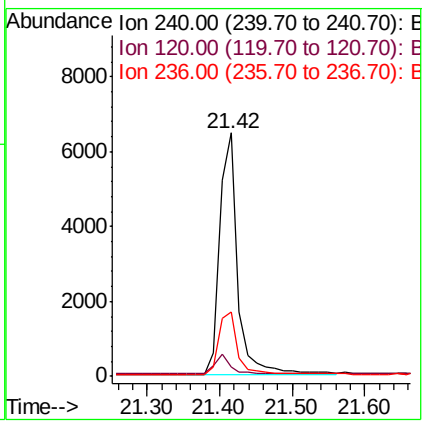


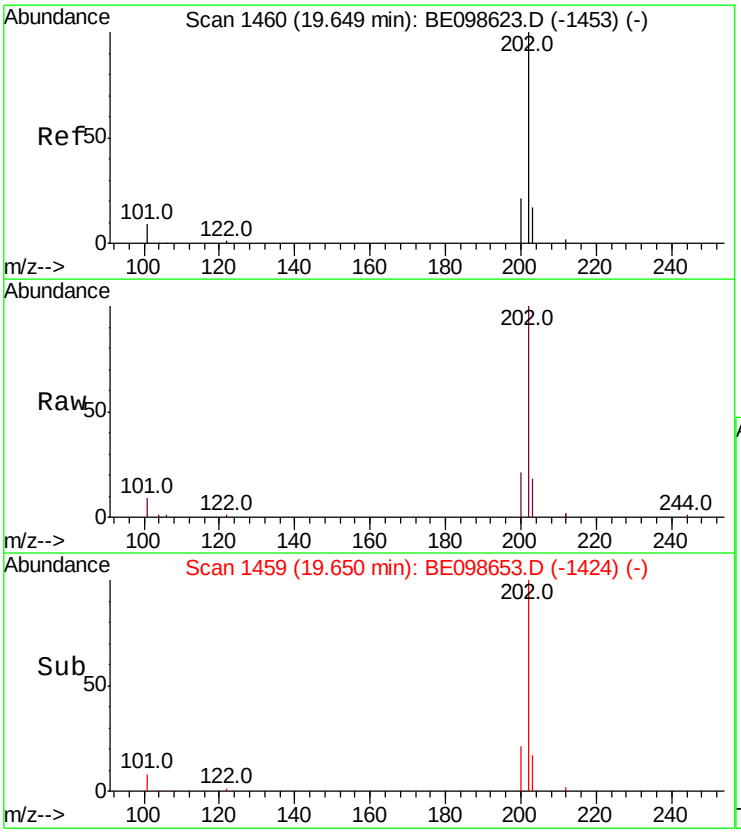

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:240 Resp: 11334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 3.8 | 4.7 | 7.1# |
| 236 | 26.6 | 21.9 | 32.9 |

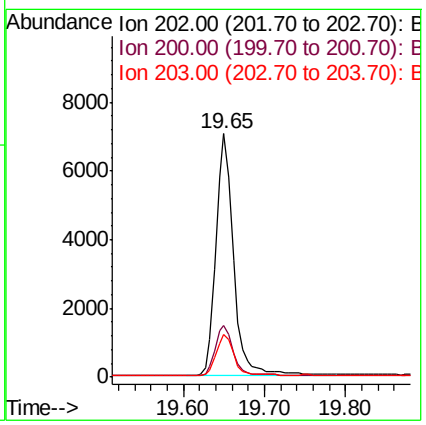


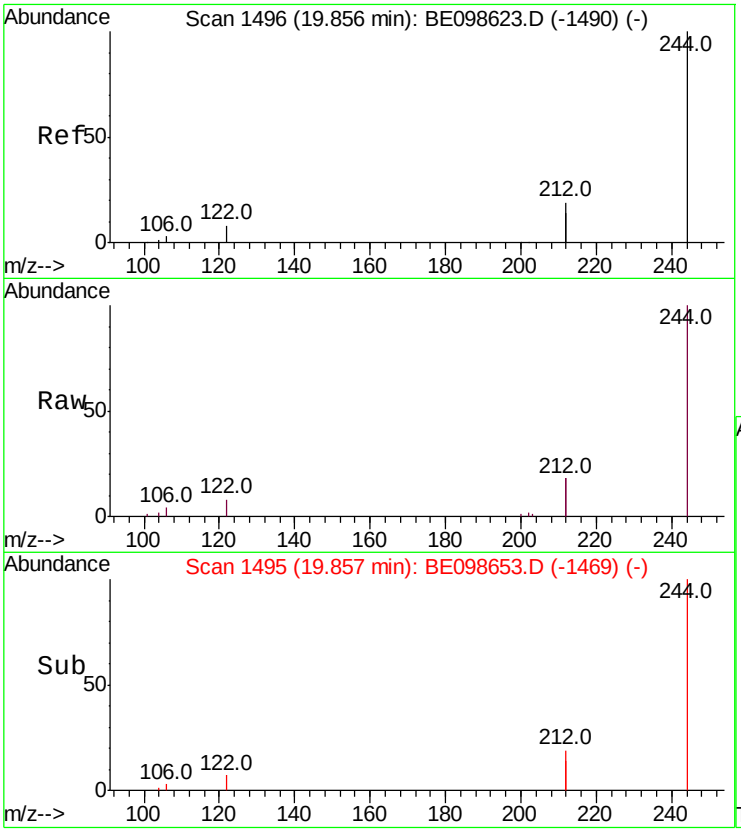




#28
Pyrene
Concen: 0.338 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:202 Resp: 10532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.0 | 25.6 |
| 203 | 17.2 | 13.8 | 20.8 |



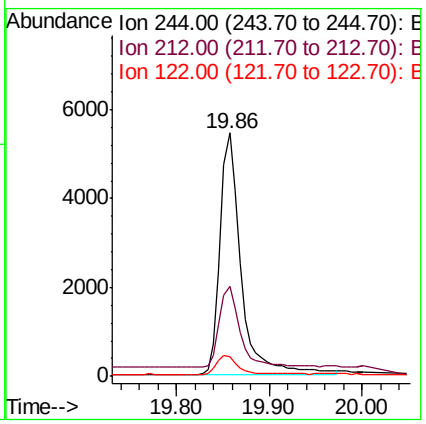


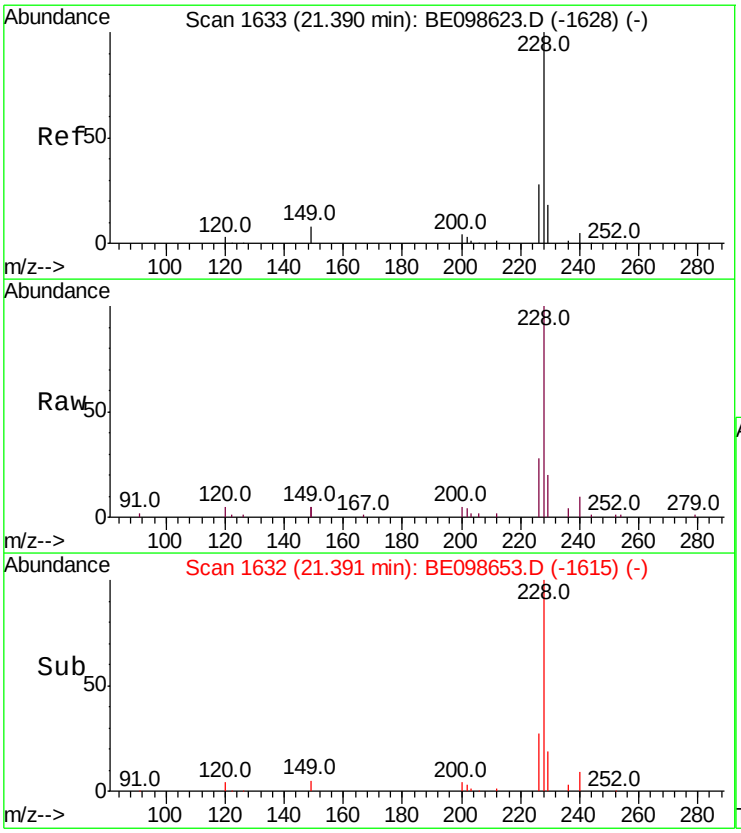

#29
Terphenyl-d14
Concen: 0.339 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:244 Resp: 8497

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 36.8 | 29.4 | 44.2 |
| 122 | 7.9 | 7.1 | 10.7 |

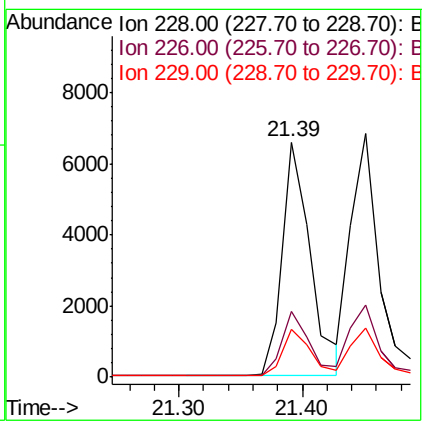


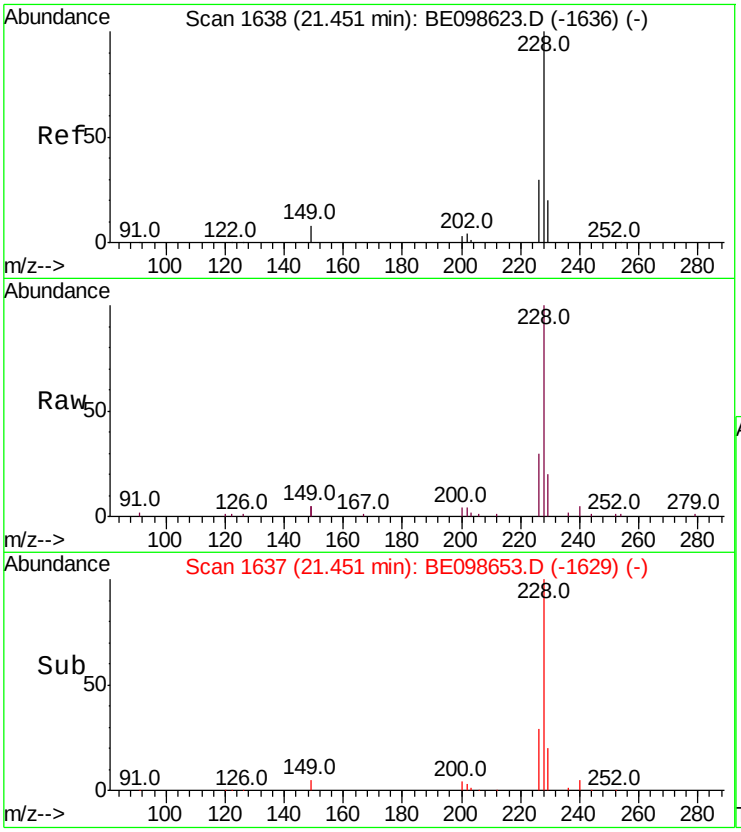




#30
Benzo(a)anthracene
Concen: 0.341 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:228 Resp: 10399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 23.0 | 34.4 |
| 229 | 20.1 | 15.0 | 22.6 |



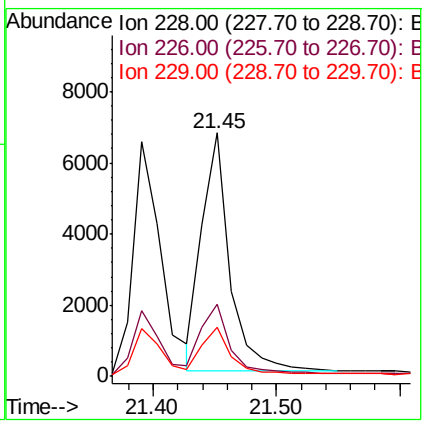


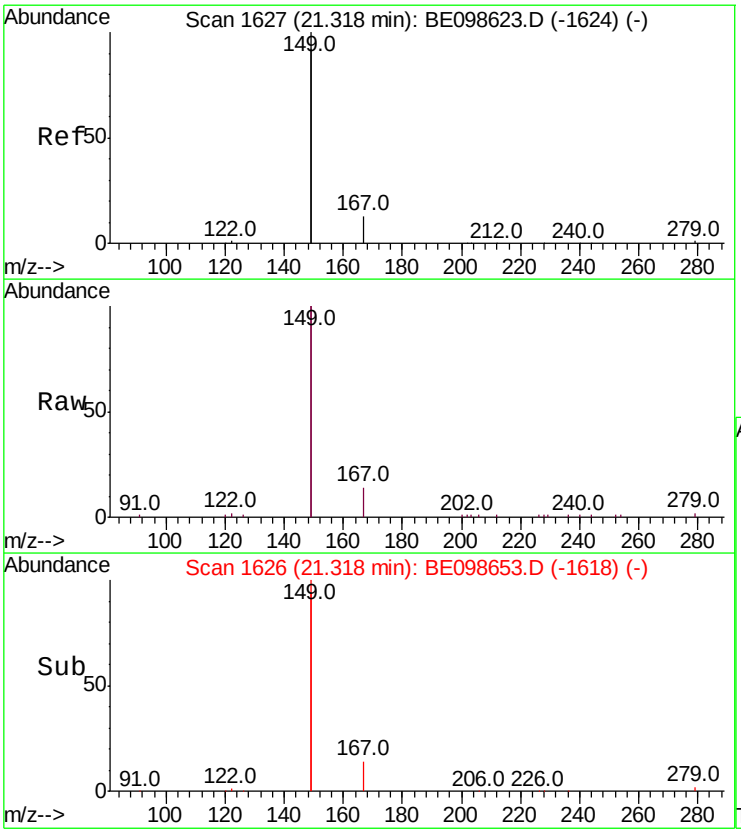

#31
Chrysene
Concen: 0.333 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:228 Resp: 10519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.6 | 36.8 |
| 229 | 20.3 | 16.4 | 24.6 |

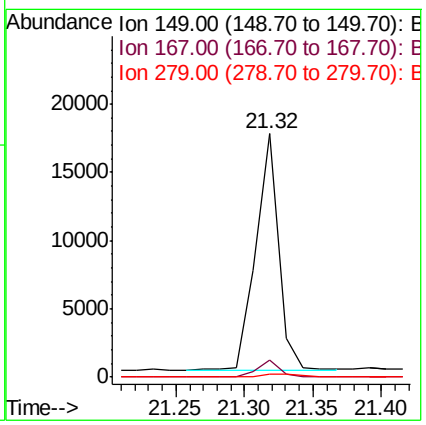


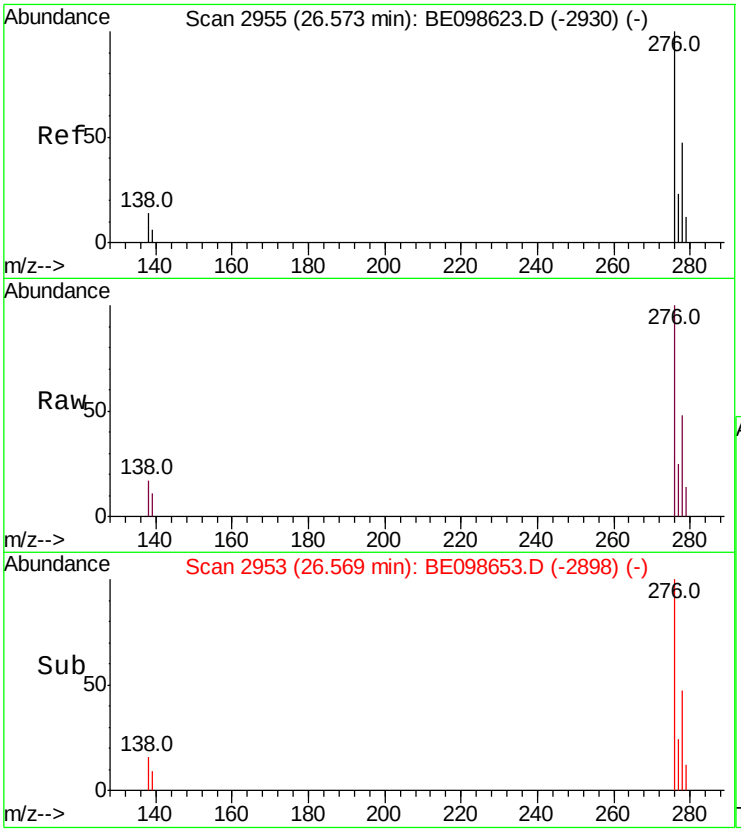




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.308 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:149 Resp: 19891

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.8 | 5.4 | 8.2 |
| 279 | 1.2 | 1.0 | 1.4 |



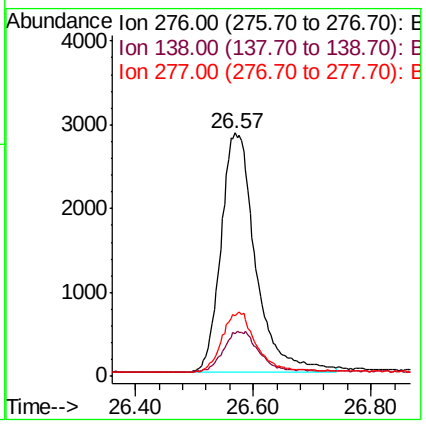


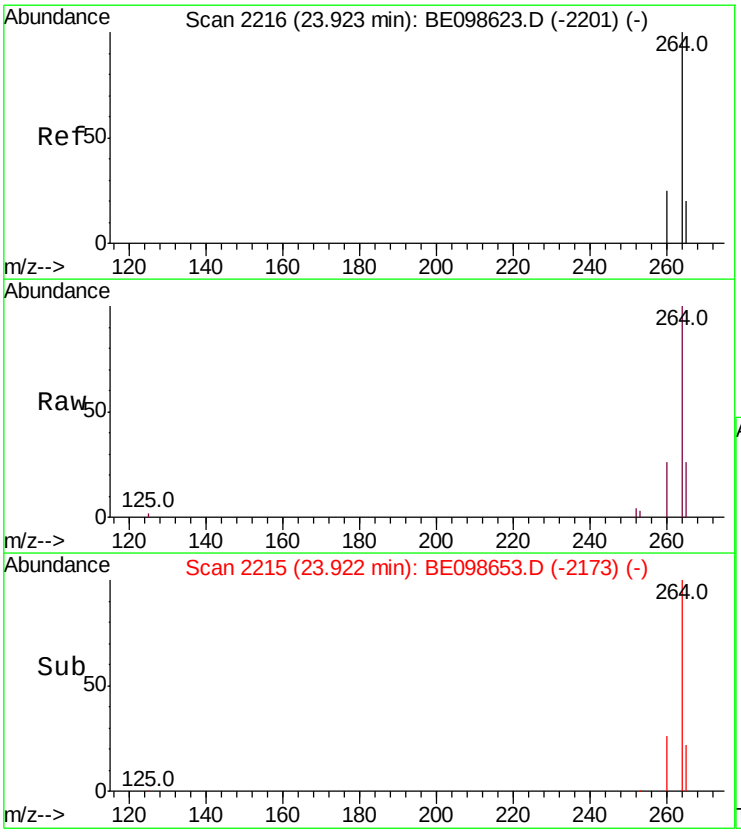

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.358 ng
RT: 26.57 min Scan# 2953
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:276 Resp: 11660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.3 | 13.3 | 19.9 |
| 277 | 24.3 | 19.4 | 29.0 |

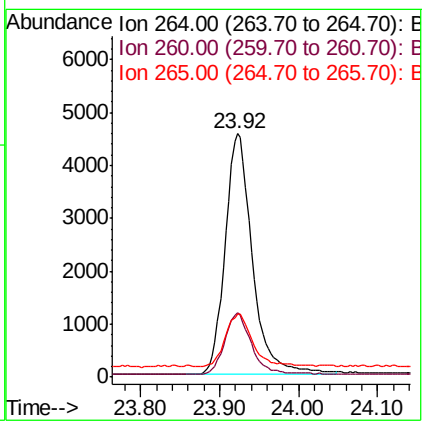


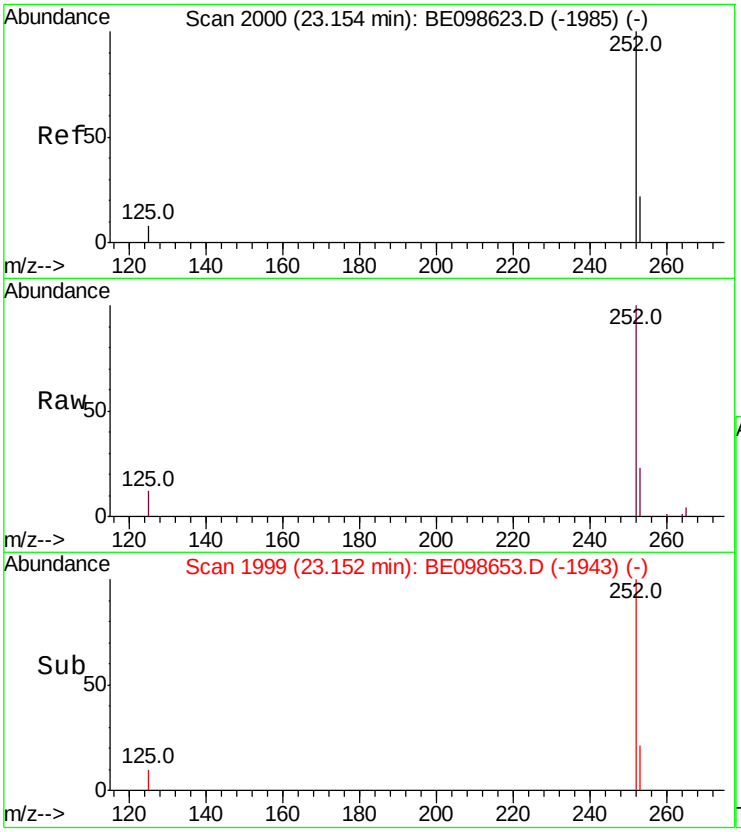




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:264 Resp: 10926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.3 | 20.5 | 30.7 |
| 265 | 26.0 | 22.3 | 33.5 |



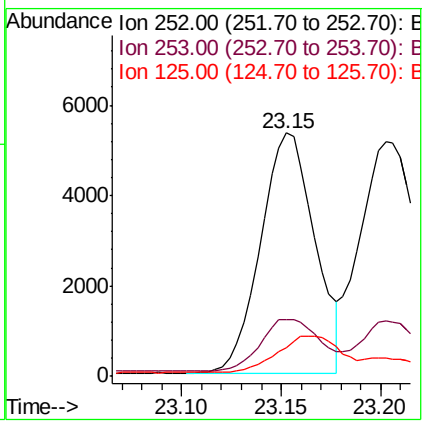


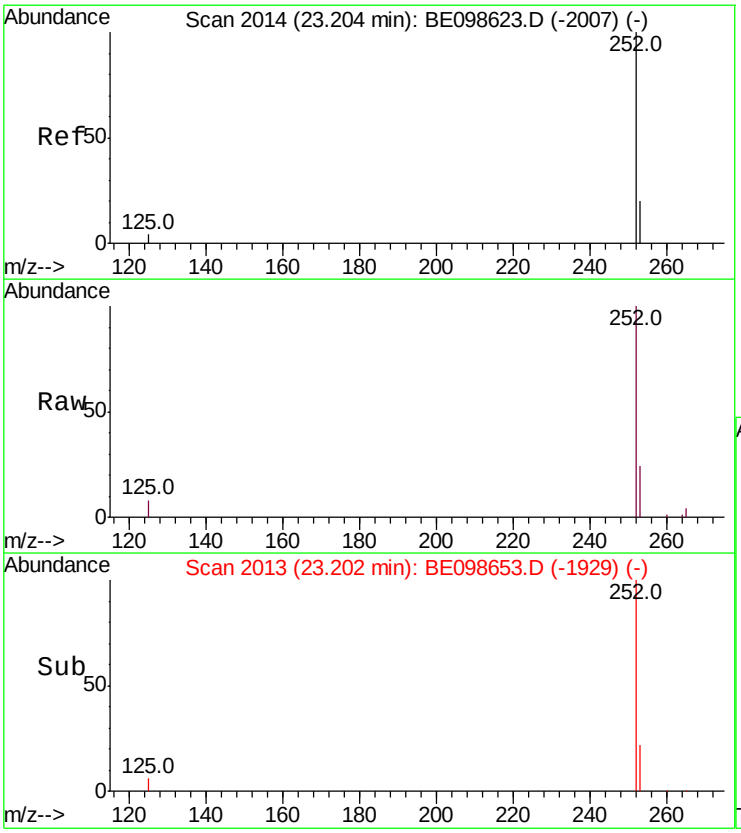

#35
Benzo(b)fluoranthene
Concen: 0.336 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:252 Resp: 10029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 19.4 | 29.0 |
| 125 | 11.8 | 8.2 | 12.4 |

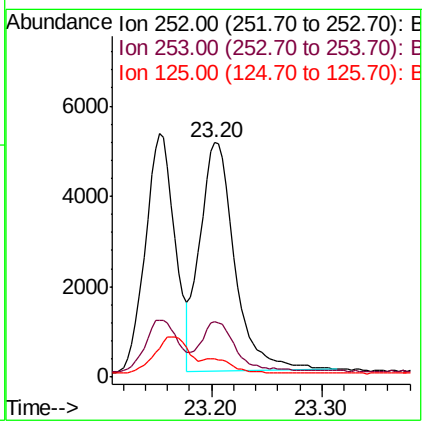


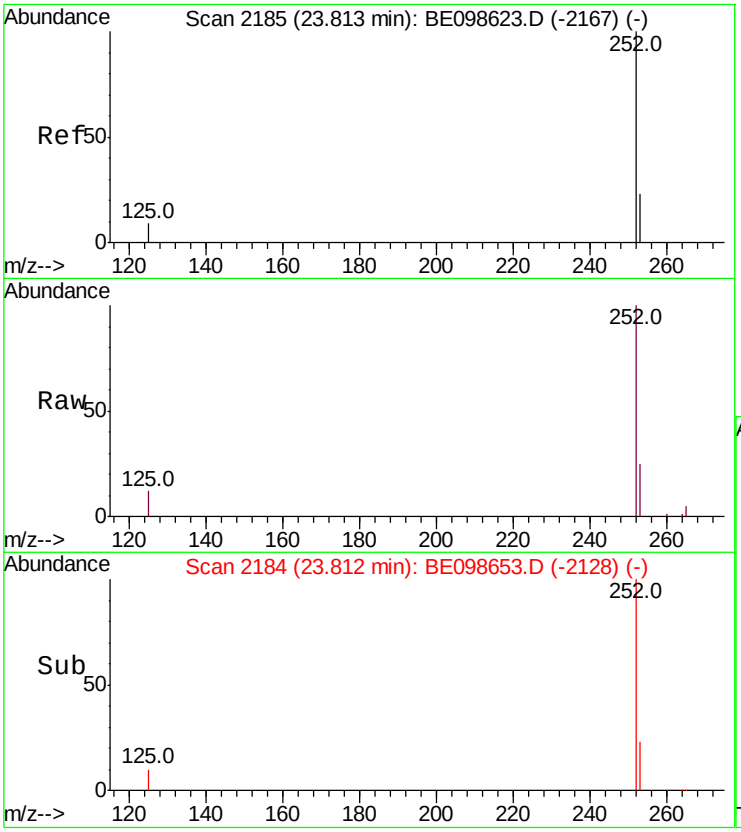




#36
Benzo(k)fluoranthene
Concen: 0.345 ng
RT: 23.20 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:252 Resp: 11222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 19.0 | 28.4 |
| 125 | 7.9 | 7.0 | 10.4 |



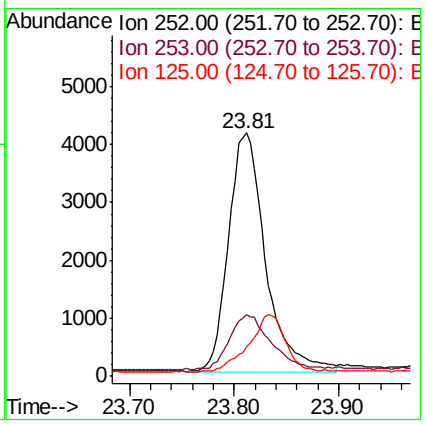


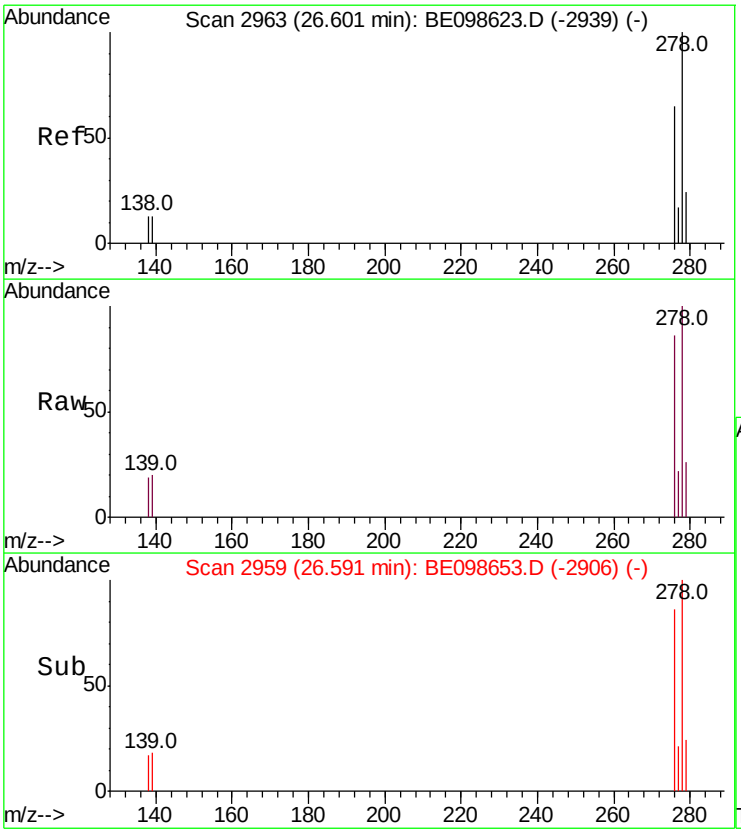

#37
Benzo(a)pyrene
Concen: 0.345 ng
RT: 23.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:252 Resp: 10100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 21.0 | 31.4 |
| 125 | 12.1 | 9.2 | 13.8 |

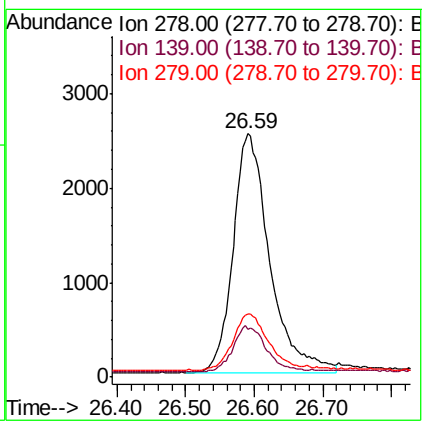


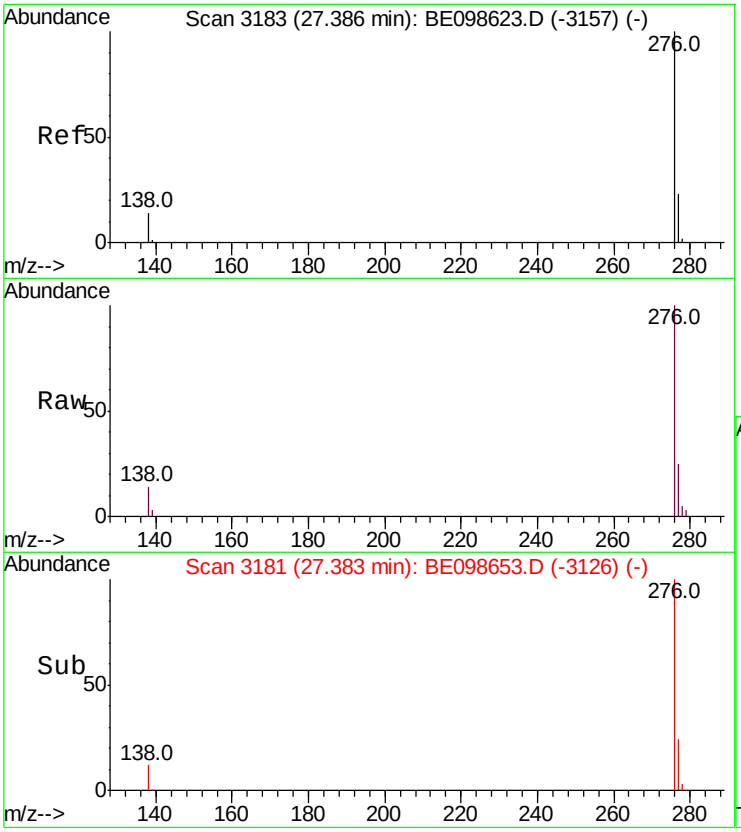




#38
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.59 min Scan# 2959
Delta R.T. -0.01 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

Tgt Ion:278 Resp: 9363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.6 | 12.7 | 19.1# |
| 279 | 26.1 | 22.0 | 33.0 |






#39
Benzo(g,h,i)perylene
Concen: 0.344 ng
RT: 27.38 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE098653.D
Acq: 17 Jan 2019 19:02

**Instrument :**
BNA_E
**ClientSampleId :**
PB116461BS

Tgt Ion:276 Resp: 9786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.2 | 20.3 | 30.5 |
| 138 | 14.0 | 13.3 | 19.9 |