Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
Data File : BE097569.D
Acq On : 20 Sep 2018 9:37
Operator : SJ/JU
Sample : PB112778BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Sep 20 10:49:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 19 16:26:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.38 | 152 | 1184 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.13 | 136 | 4944 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.00 | 164 | 2353 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 16.75 | 188 | 5375 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 20.97 | 240 | 7596 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.21 | 264 | 7920 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.06 | 112 | 1399 | 0.39 | ng | | 0.02 |
| 5) Phenol-d6 | 6.61 | 99 | 1558 | 0.34 | ng | | 0.01 |
| 8) Nitrobenzene-d5 | 8.53 | 82 | 1499 | 0.39 | ng | | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.71 | 152 | 3727 | 0.55 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.53 | 330 | 279 | 0.34 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.62 | 172 | 3902 | 0.47 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 18.80 | 212 | 26434 | 0.38 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.42 | 244 | 4834 | 0.35 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.09 | 88 | 670 | 0.324 | ng | # | 88 |
| 3) n-Nitrosodimethylamine | 3.38 | 42 | 632 | 0.369 | ng | # | 84 |
| 6) bis(2-Chloroethyl)ether | 6.83 | 93 | 1336 | 0.318 | ng | | 85 |
| 9) Naphthalene | 10.17 | 128 | 18267 | 0.410 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.46 | 225 | 763 | 0.372 | ng | | 98 |
| 12) 2-Methylnaphthalene | 11.80 | 142 | 2746 | 0.395 | ng | | 100 |
| 16) Acenaphthylene | 13.72 | 152 | 3671 | 0.395 | ng | | 100 |
| 17) Acenaphthene | 14.06 | 154 | 2480 | 0.398 | ng | | 97 |
| 18) Fluorene | 15.06 | 166 | 3106 | 0.382 | ng | # | 79 |
| 20) 4-Bromophenyl-phenylether | 15.96 | 248 | 945 | 0.390 | ng | # | 79 |
| 21) Hexachlorobenzene | 16.07 | 284 | 1114 | 0.418 | ng | # | 85 |
| 22) Pentachlorophenol | 16.45 | 266 | 488 | 0.538 | ng | # | 79 |
| 23) Phenanthrene | 16.80 | 178 | 5160 | 0.404 | ng | | 98 |
| 24) Anthracene | 16.89 | 178 | 4419 | 0.392 | ng | | 96 |
| 26) Fluoranthene | 18.83 | 202 | 6383 | 0.360 | ng | | 98 |
| 28) Pyrene | 19.20 | 202 | 6464 | 0.374 | ng | | 98 |
| 30) Benzo(a)anthracene | 20.95 | 228 | 7578 | 0.396 | ng | | 97 |
| 31) Chrysene | 21.00 | 228 | 8199 | 0.400 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 20.91 | 149 | 10482 | 0.337 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 10640 | 0.431 | ng | # | 91 |
| 35) Benzo(b)fluoranthene | 22.53 | 252 | 8443 | 0.416 | ng | # | 90 |
| 36) Benzo(k)fluoranthene | 22.53 | 252 | 8443 | 0.364 | ng | | 94 |
| 37) Benzo(a)pyrene | 23.11 | 252 | 8418 | 0.427 | ng | # | 92 |
| 38) Dibenzo(a,h)anthracene | 25.52 | 278 | 8855 | 0.416 | ng | # | 94 |
| 39) Benzo(g,h,i)perylene | 26.21 | 276 | 8882 | 0.429 | ng | # | 91 |

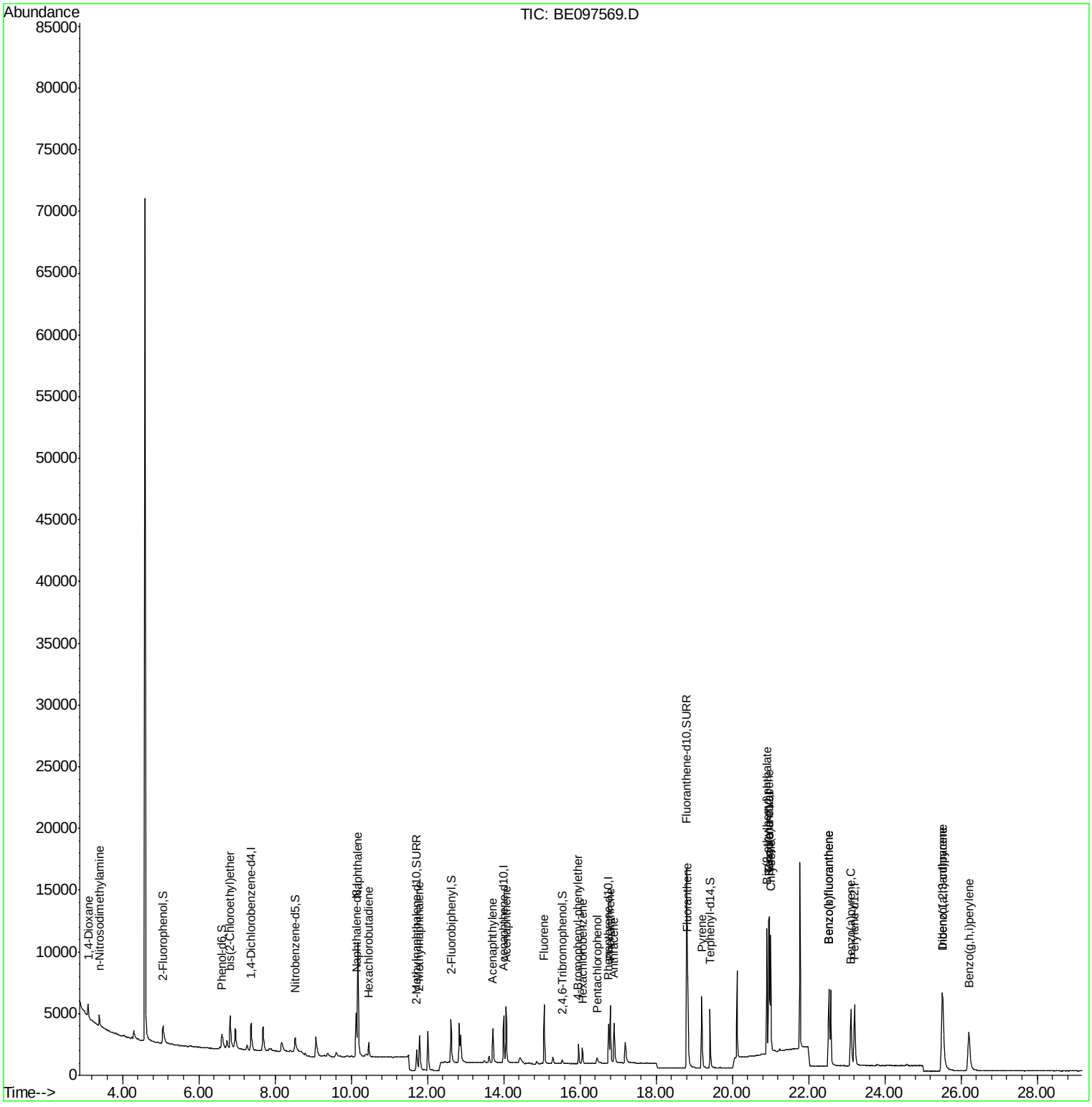
(#) = qualifier out of range (m) = manual integration (+) = signals summed

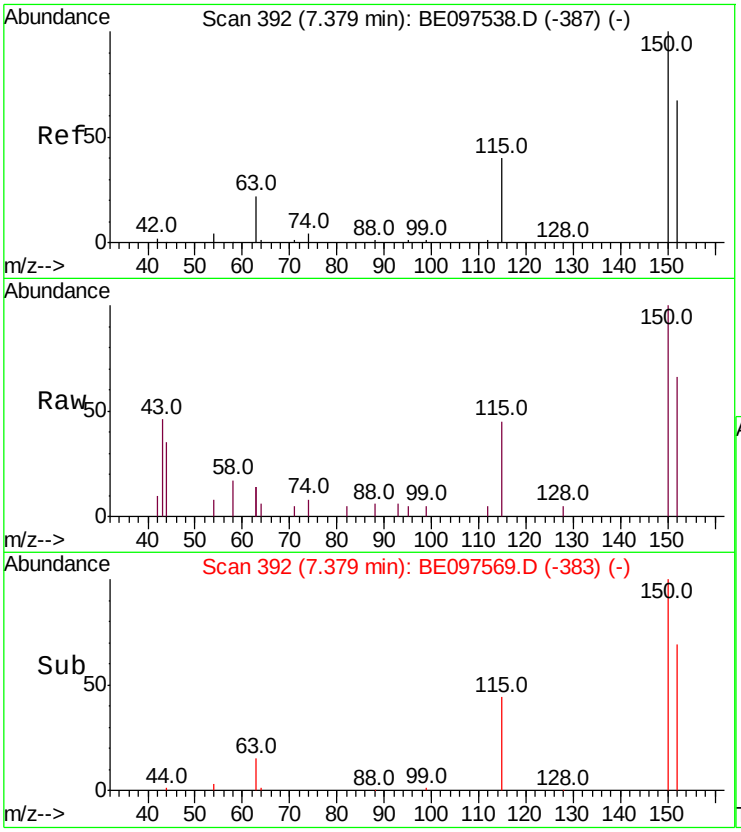
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
Data File : BE097569.D
Acq On : 20 Sep 2018 9:37
Operator : SJ/JU
Sample : PB112778BS
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Sep 20 10:49:43 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 19 16:26:00 2018
Response via : Initial Calibration



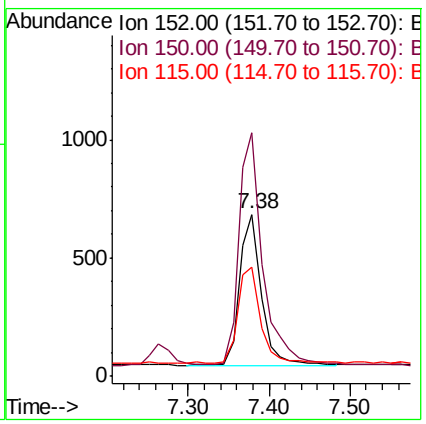


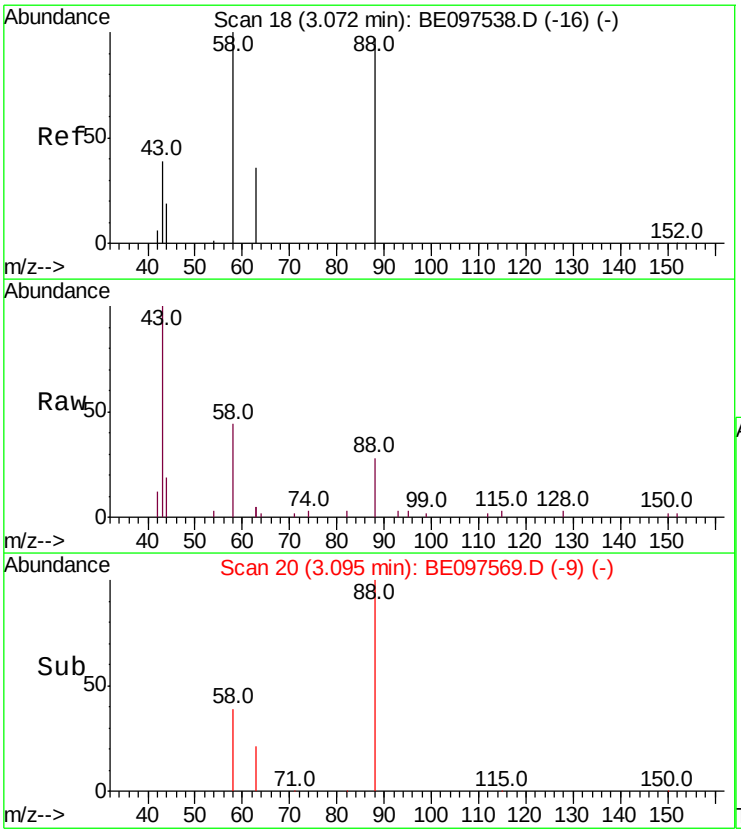

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:152 Resp: 1184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.4 | 117.2 | 175.8 |
| 115 | 67.1 | 57.0 | 85.6 |

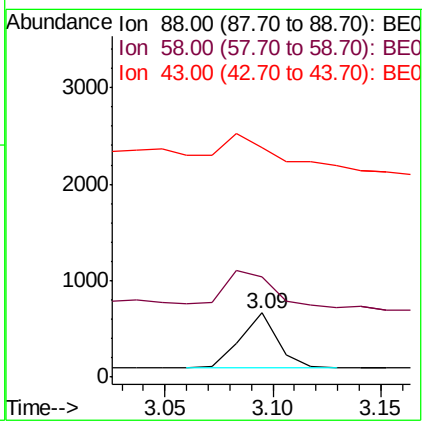


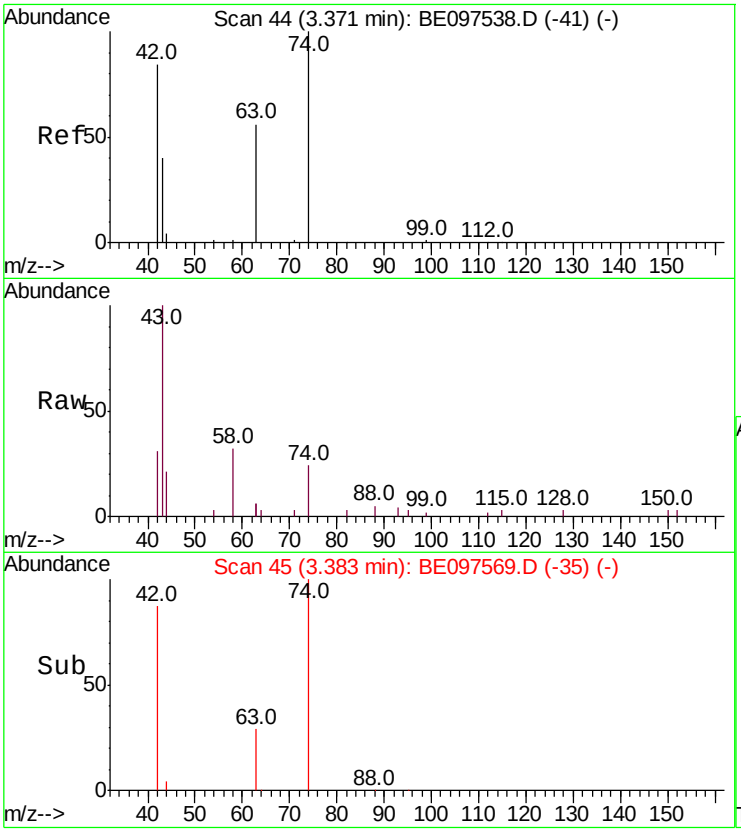




#2
1,4-Dioxane
Concen: 0.324 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion: 88 Resp: 670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 86.9 | 63.2 | 94.8 |
| 43 | 62.5 | 41.2 | 61.8# |



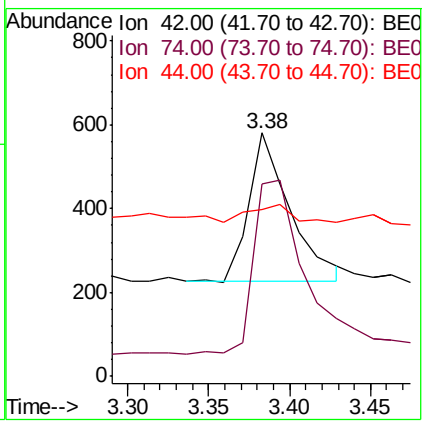


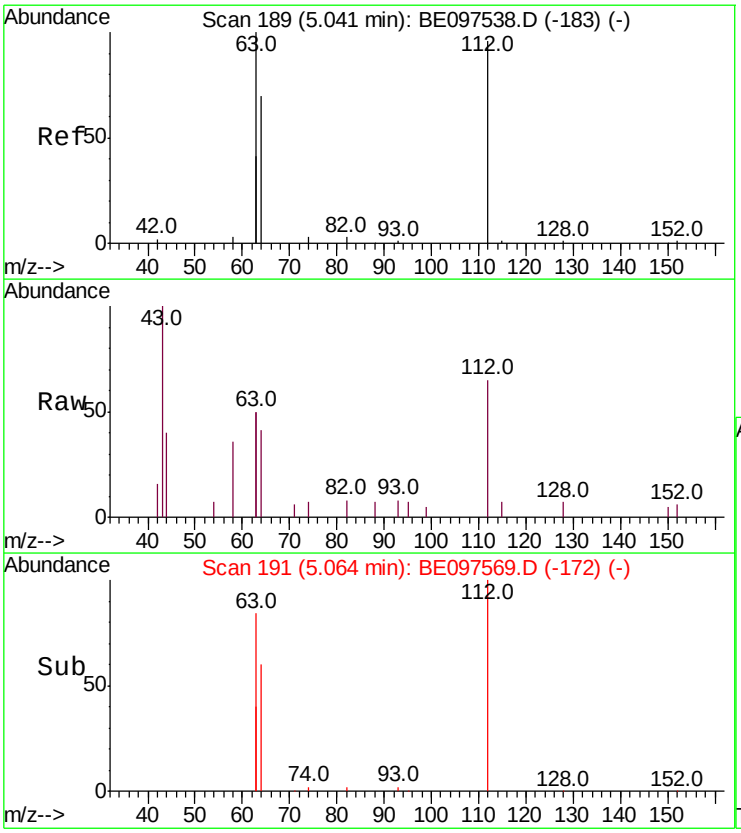

#3
n-Nitrosodimethylamine
Concen: 0.369 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion: 42 Resp: 632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 138.9 | 96.0 | 144.0 |
| 44 | 11.9 | 12.0 | 18.0# |

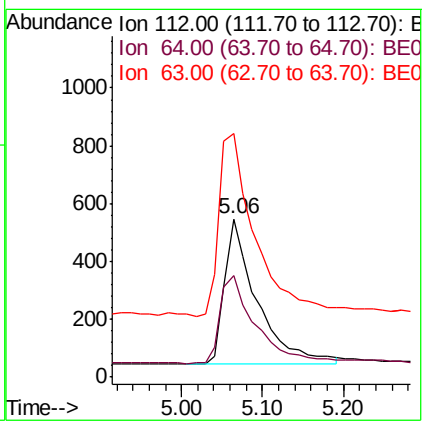


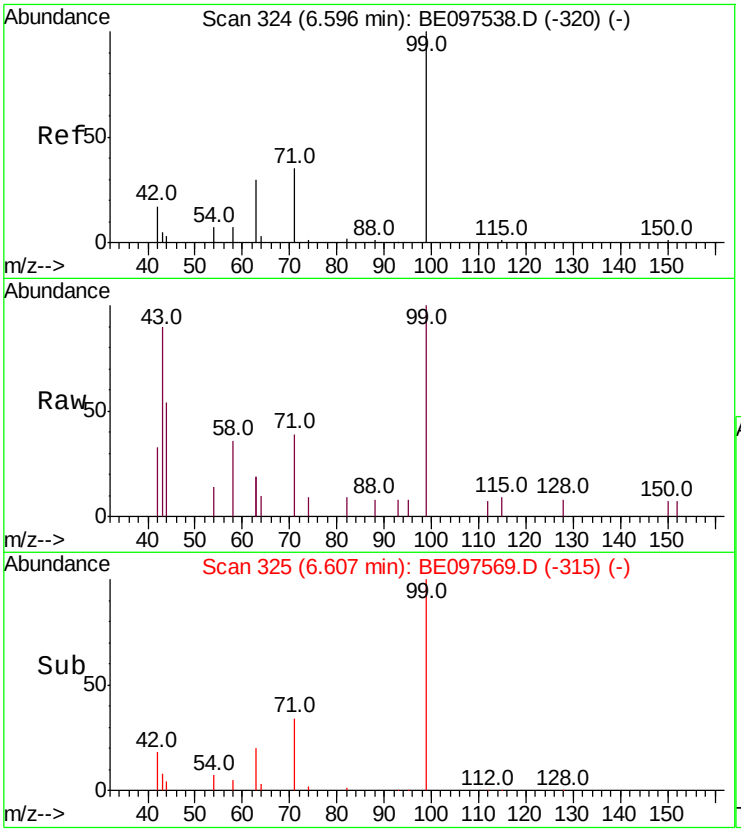




#4
2-Fluorophenol
Concen: 0.394 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.02 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:112 Resp: 1399

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.6 | 60.1 | 90.1 |
| 63 | 140.1 | 116.8 | 175.2 |



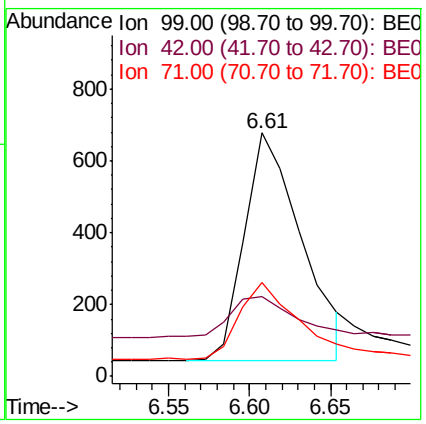


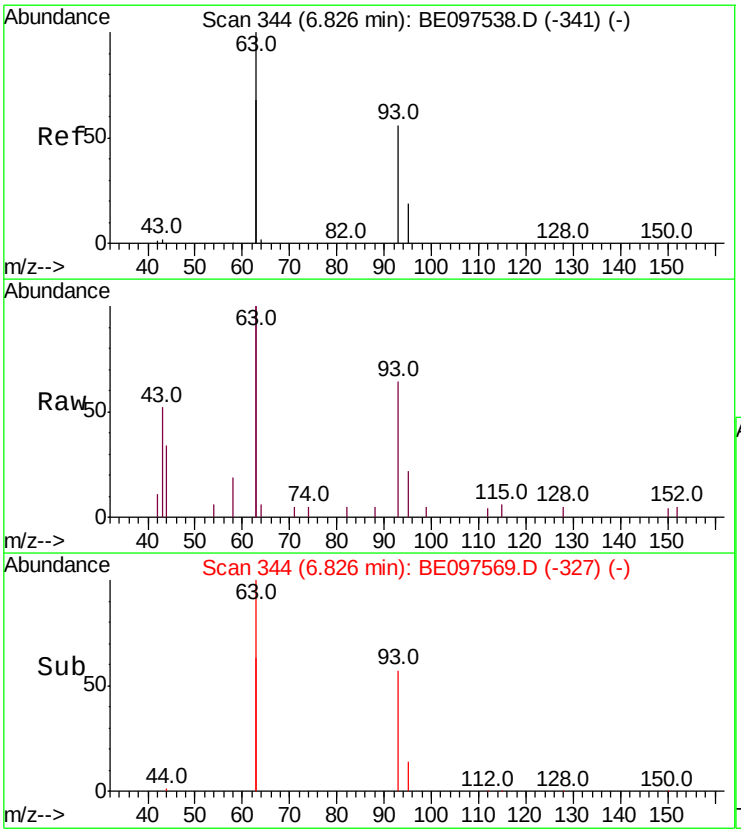

#5
Phenol-d6
Concen: 0.343 ng
RT: 6.61 min Scan# 325
Delta R.T. 0.01 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion: 99 Resp: 1558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 20.2 | 30.2 |
| 71 | 34.1 | 28.4 | 42.6 |

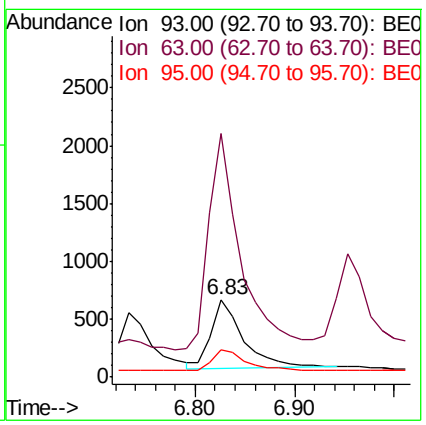


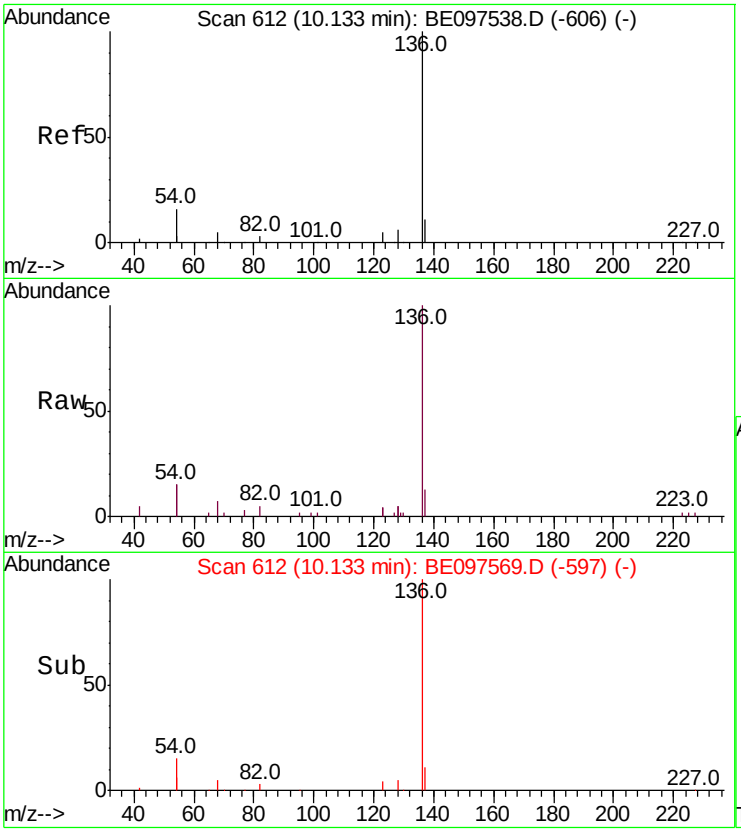




#6
bis(2-Chloroethyl)ether
Concen: 0.318 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion: 93 Resp: 1336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 310.5 | 275.3 | 412.9 |
| 95 | 32.5 | 25.2 | 37.8 |



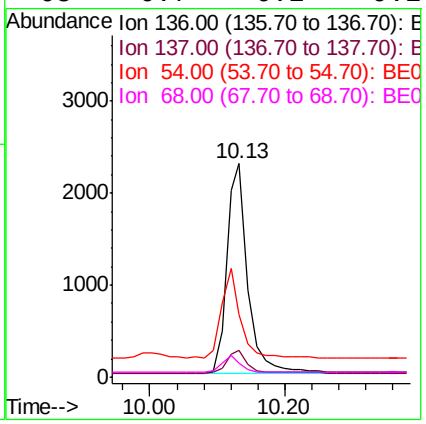


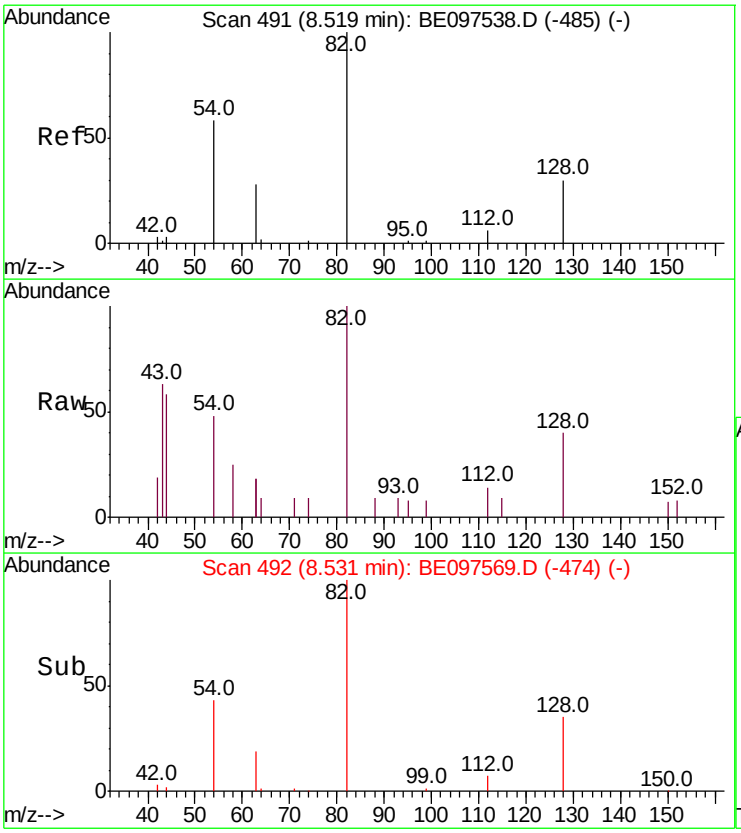

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:136 Resp: 4944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.7 | 9.5 | 14.3 |
| 54 | 29.4 | 29.1 | 43.7 |
| 68 | 6.7 | 6.2 | 9.2 |

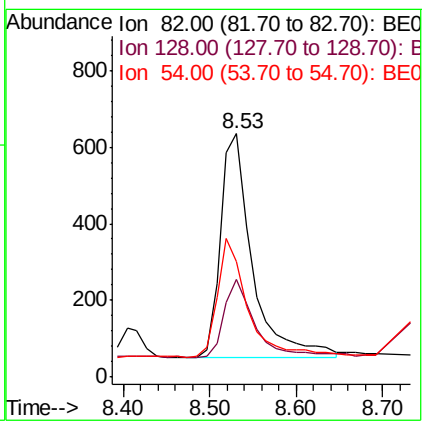


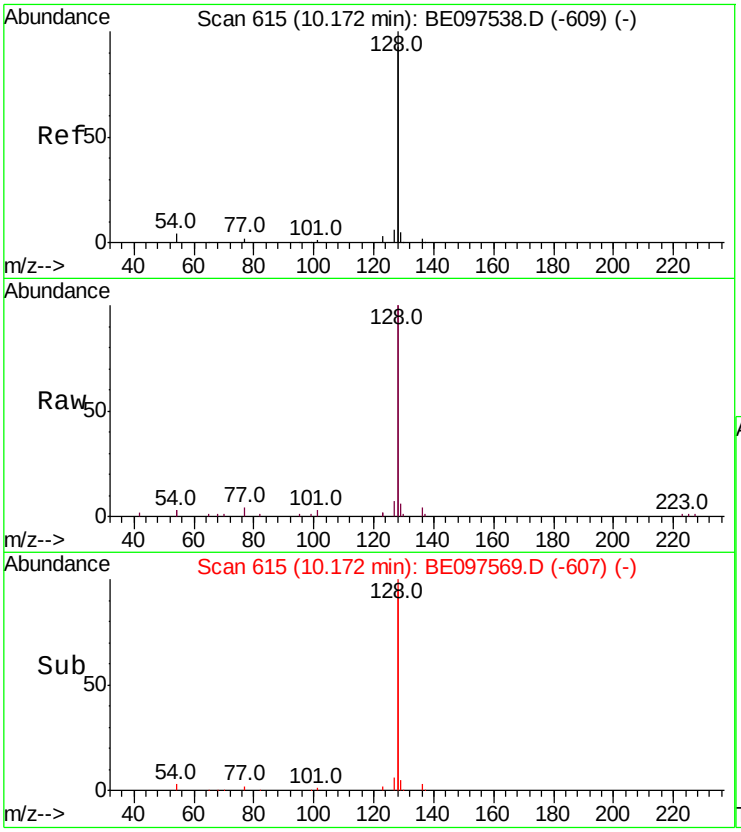




#8
Nitrobenzene-d5
Concen: 0.392 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.01 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion: 82 Resp: 1499

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.3 | 24.0 | 36.0# |
| 54 | 47.6 | 40.0 | 60.0 |



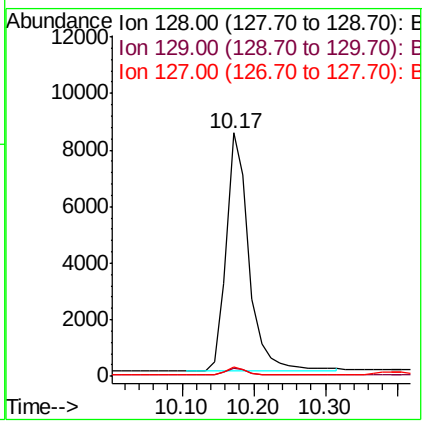


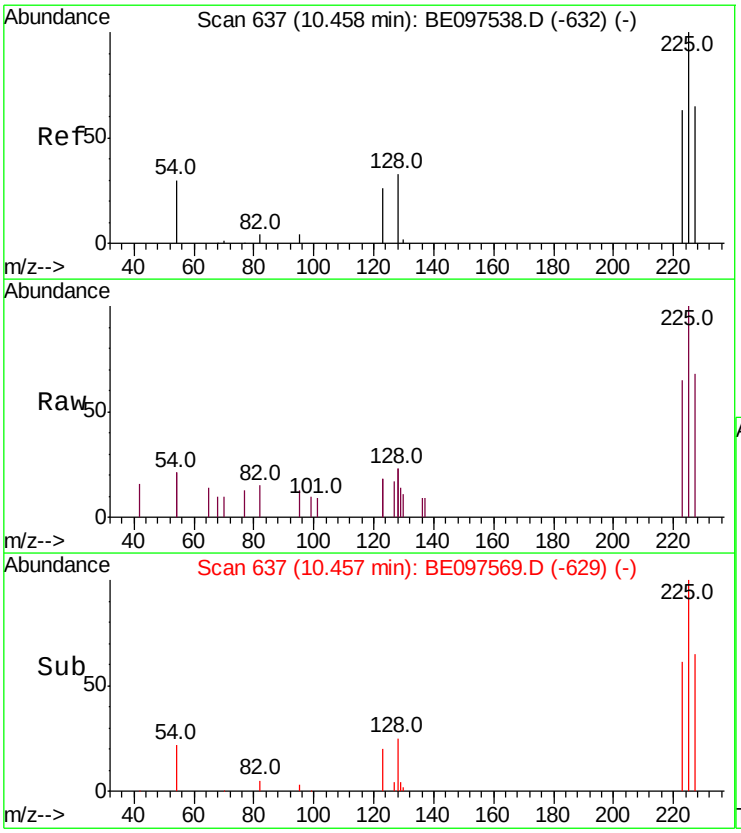

#9
Naphthalene
Concen: 0.410 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:128 Resp: 18267

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.2 | 2.6 | 3.8 |
| 127 | 3.7 | 2.8 | 4.2 |

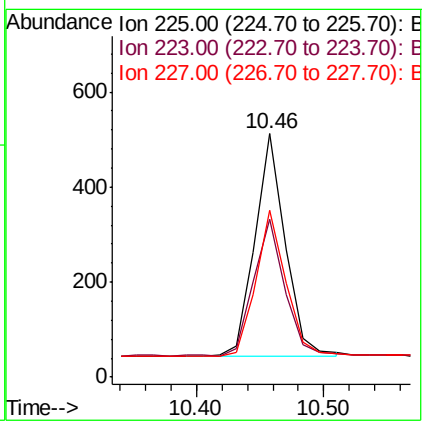


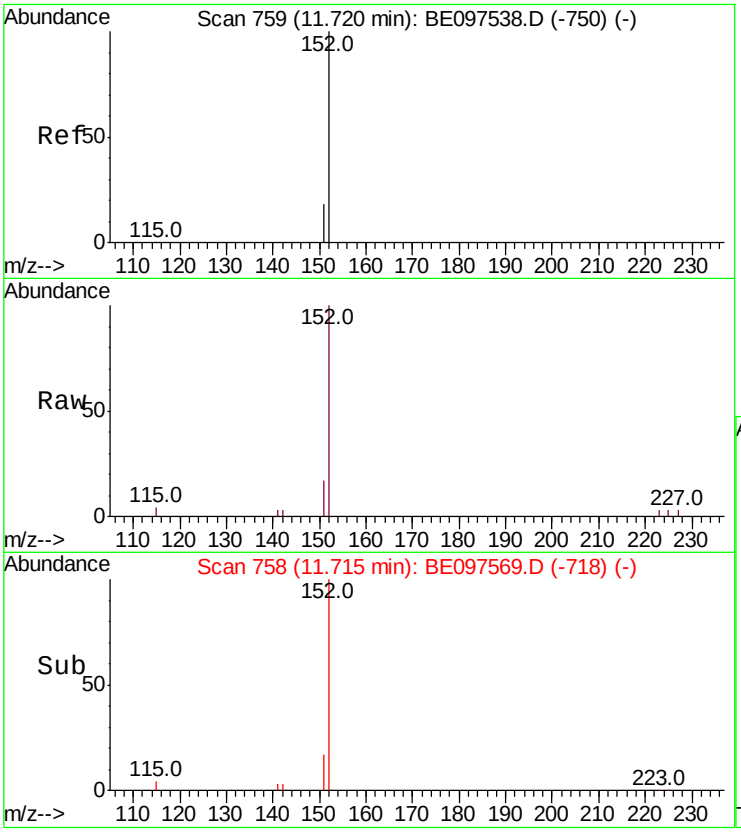




#10
Hexachlorobutadiene
Concen: 0.372 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:225 Resp: 763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.8 | 53.0 | 79.6 |
| 227 | 65.7 | 51.4 | 77.2 |



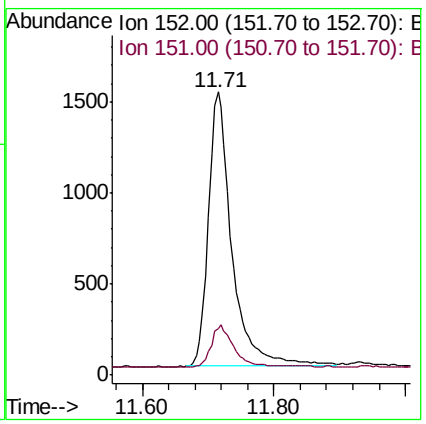


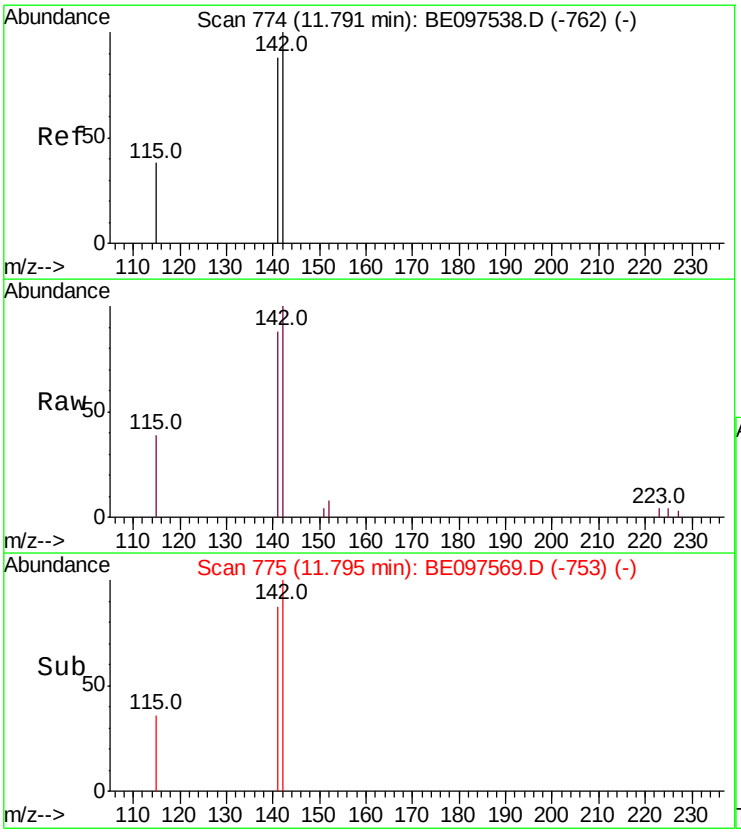

#11
2-Methylnaphthalene-d10
Concen: 0.547 ng
RT: 11.71 min Scan# 758
Delta R.T. -0.01 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:152 Resp: 3727

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 14.5 | 15.4 | 23.0# |

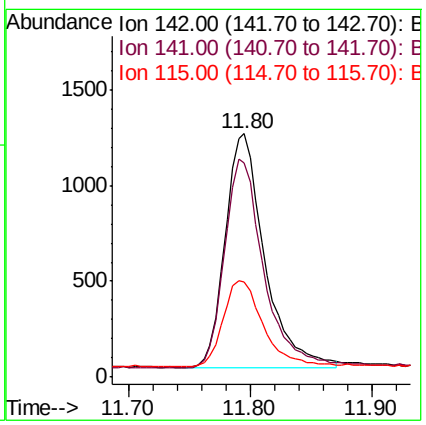


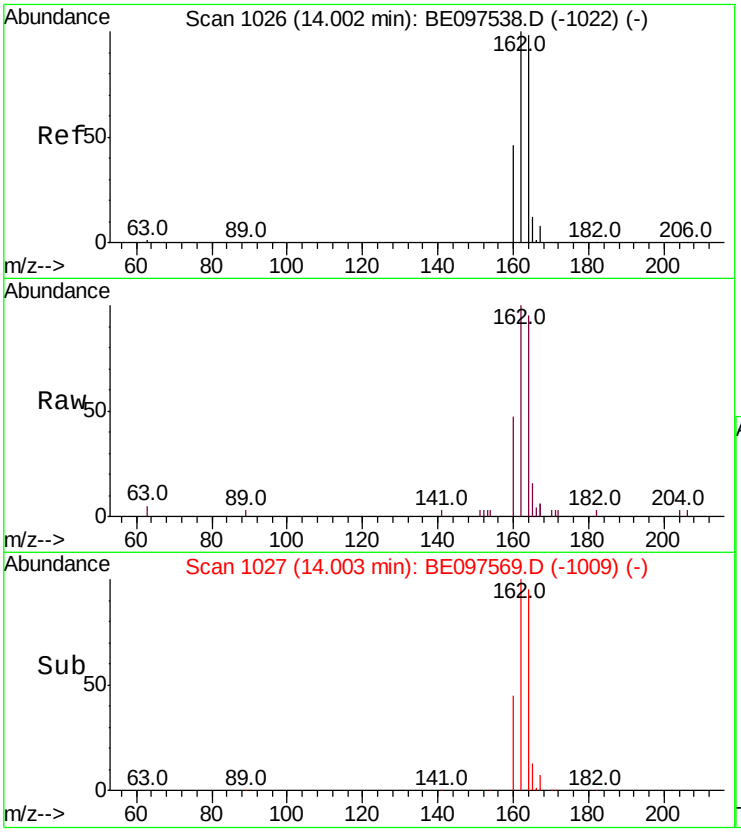




#12
2-Methylnaphthalene
Concen: 0.395 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:142 Resp: 2746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 70.4 | 105.6 |
| 115 | 39.0 | 31.7 | 47.5 |



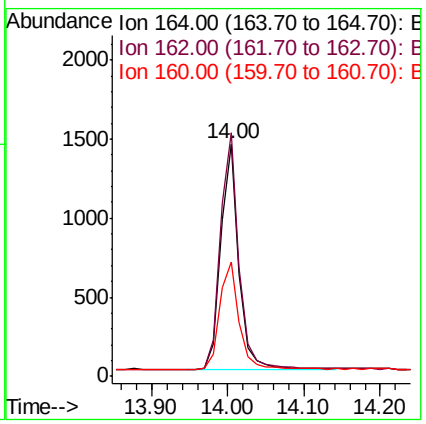


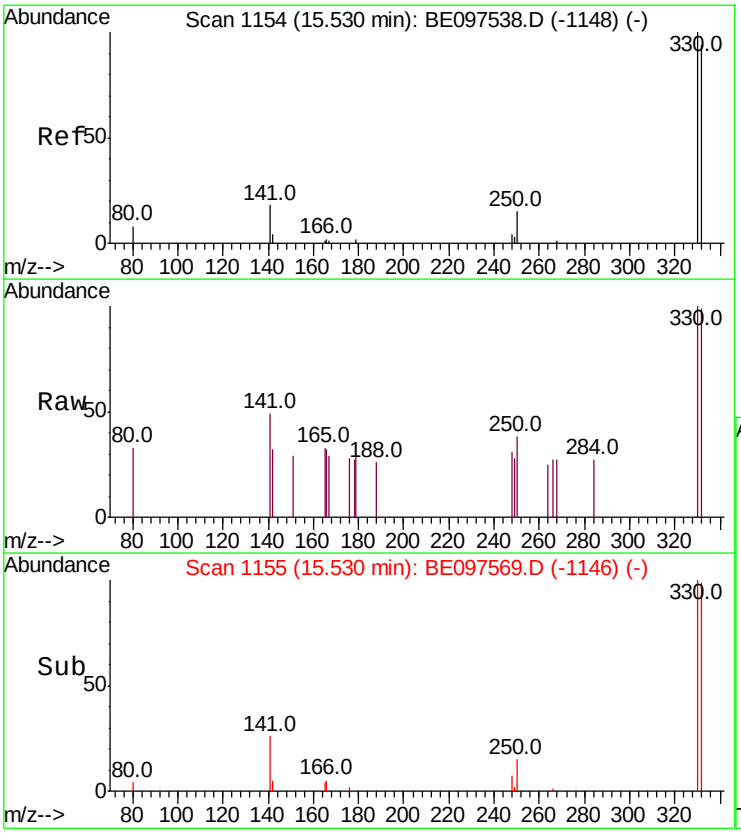

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:164 Resp: 2353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.8 | 83.1 | 124.7 |
| 160 | 49.1 | 37.1 | 55.7 |

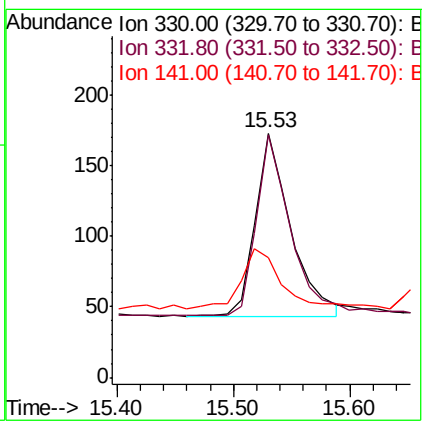


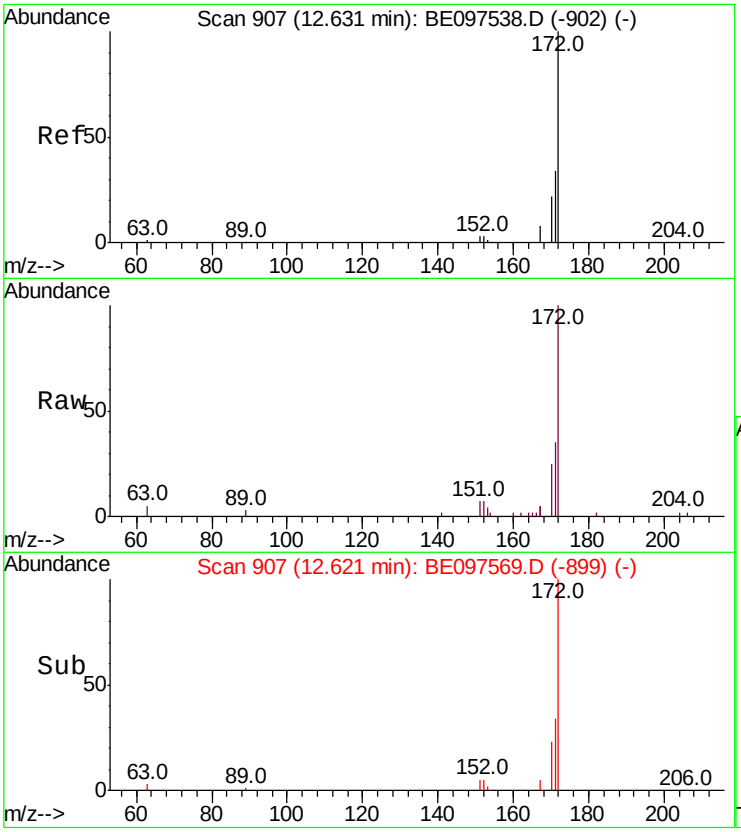




#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.53 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:330 Resp: 279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.1 | 152.7 | 229.1# |
| 141 | 34.8 | 33.7 | 50.5 |



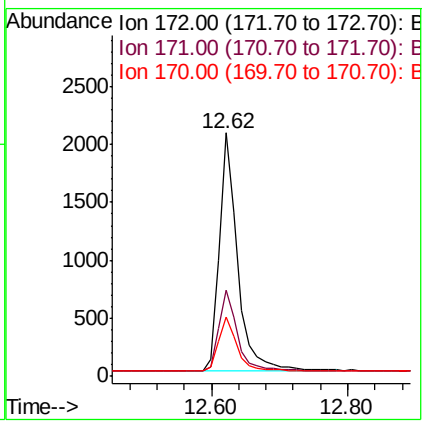


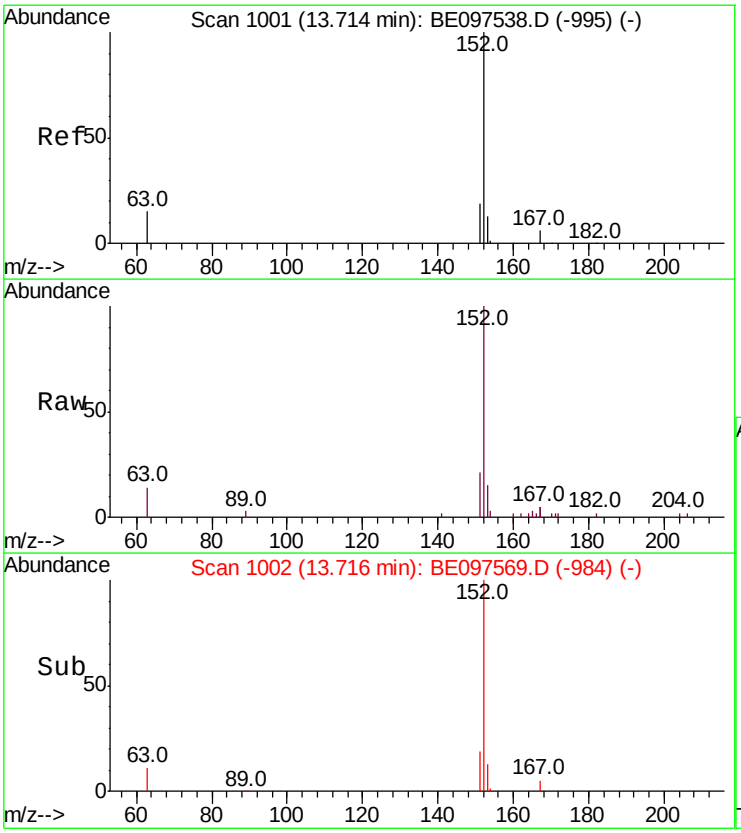

#15
2-Fluorobiphenyl
Concen: 0.469 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:172 Resp: 3902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.9 | 44.9 |
| 170 | 24.5 | 21.8 | 32.8 |

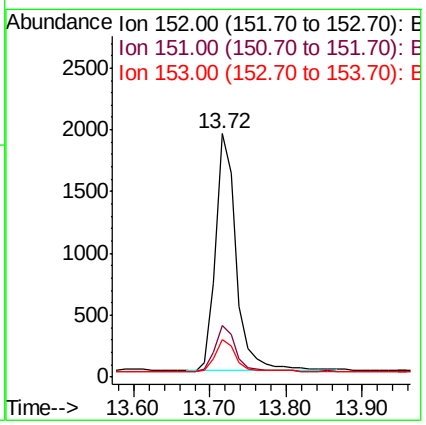


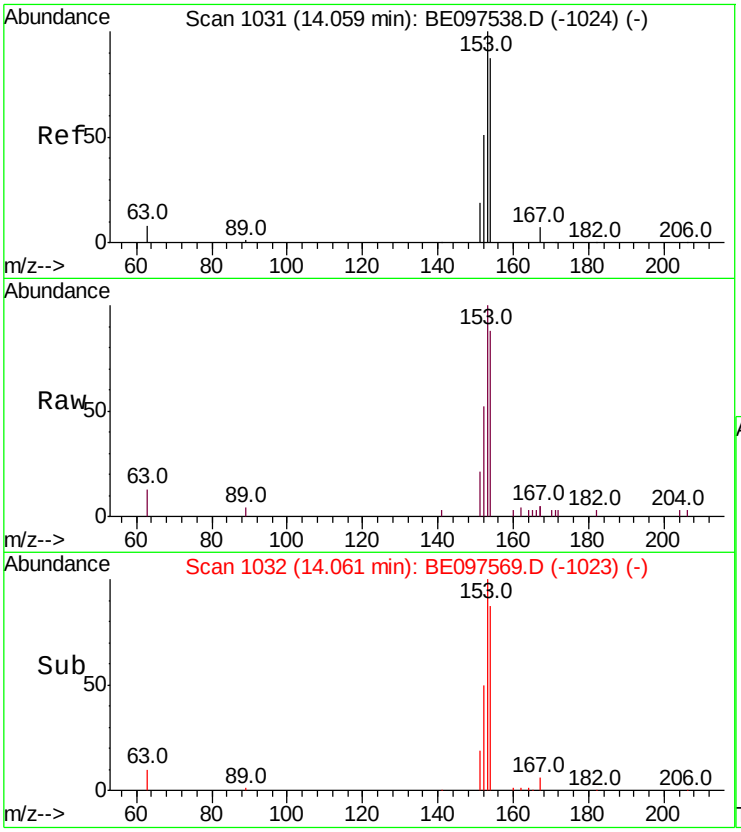




#16
Acenaphthylene
Concen: 0.395 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:152 Resp: 3671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 15.7 | 23.5 |
| 153 | 13.0 | 10.5 | 15.7 |



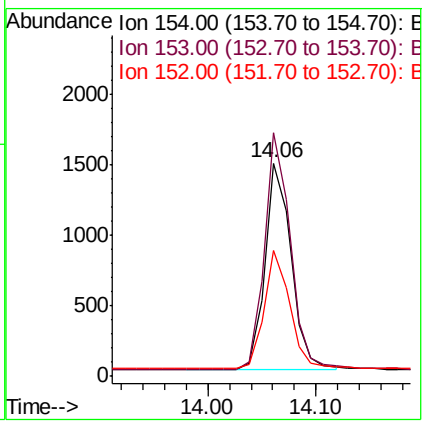


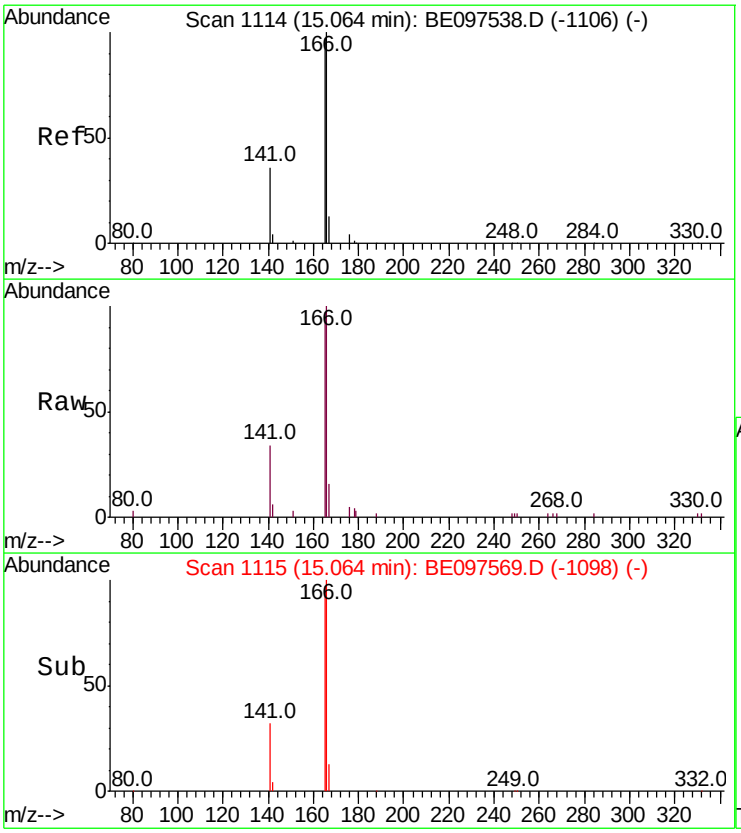

#17
Acenaphthene
Concen: 0.398 ng
RT: 14.06 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:154 Resp: 2480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.1 | 89.2 | 133.8 |
| 152 | 56.4 | 42.0 | 63.0 |

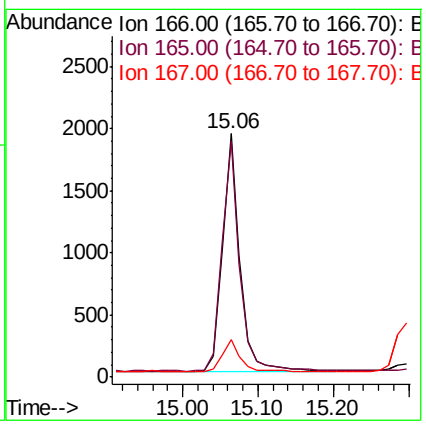


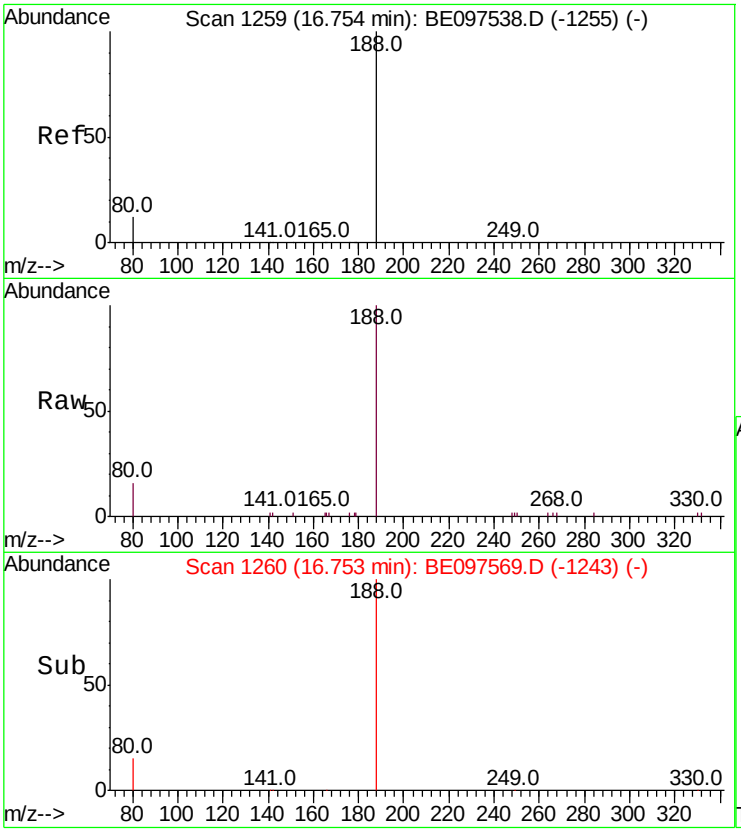




#18
Fluorene
Concen: 0.382 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:166 Resp: 3106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 77.8 | 116.6 |
| 167 | 13.4 | 42.4 | 63.6# |



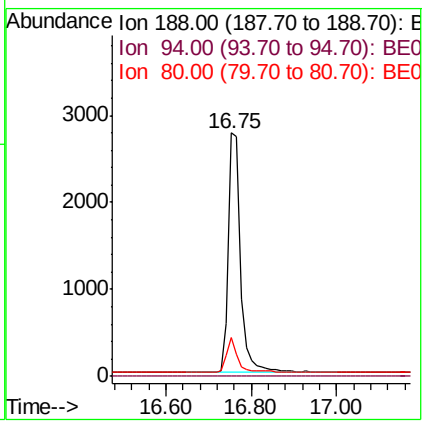


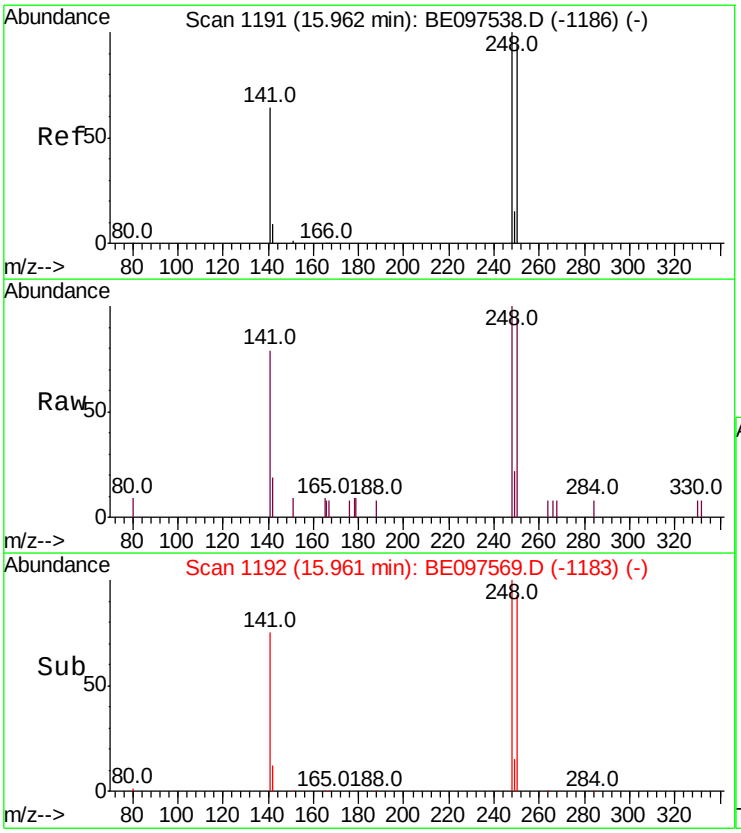

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:188 Resp: 5375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 16.1 | 3.6 | 5.4# |

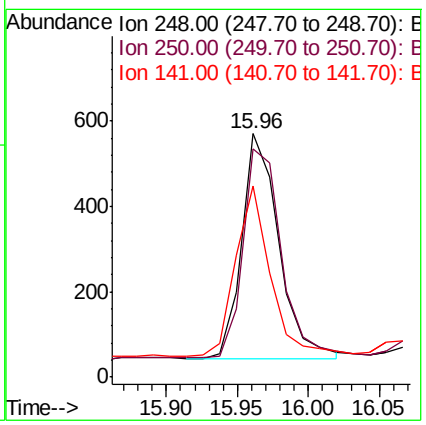


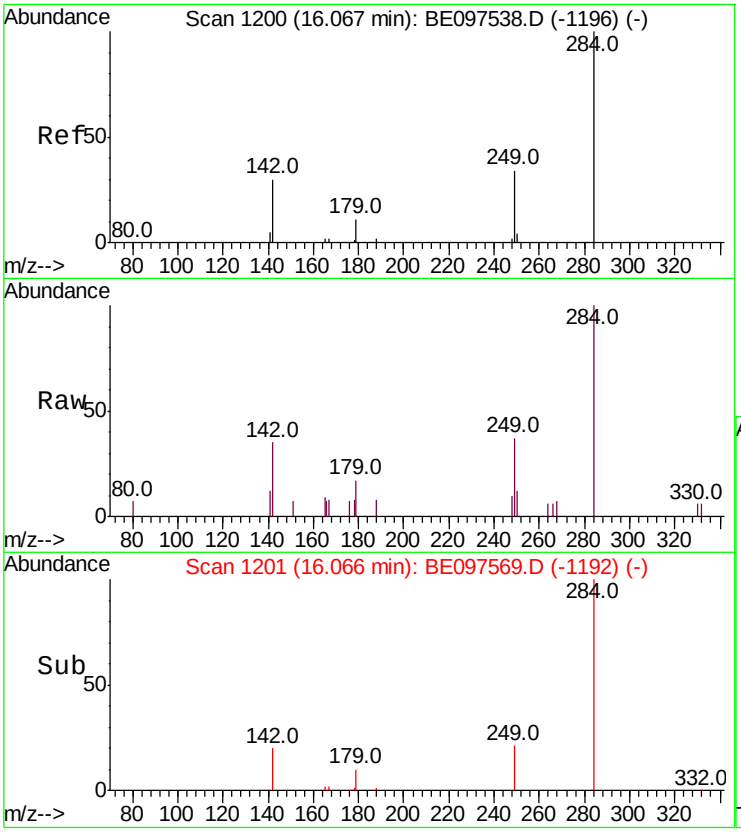




#20
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:248 Resp: 945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 93.9 | 62.7 | 94.1 |
| 141 | 78.6 | 48.2 | 72.2# |



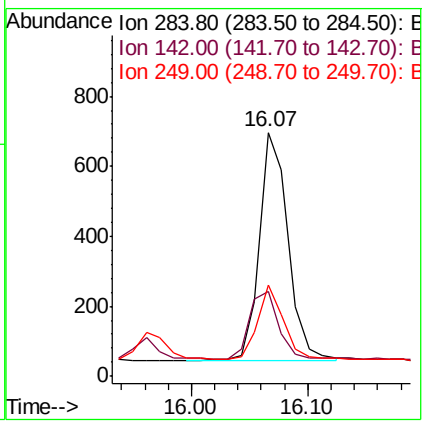


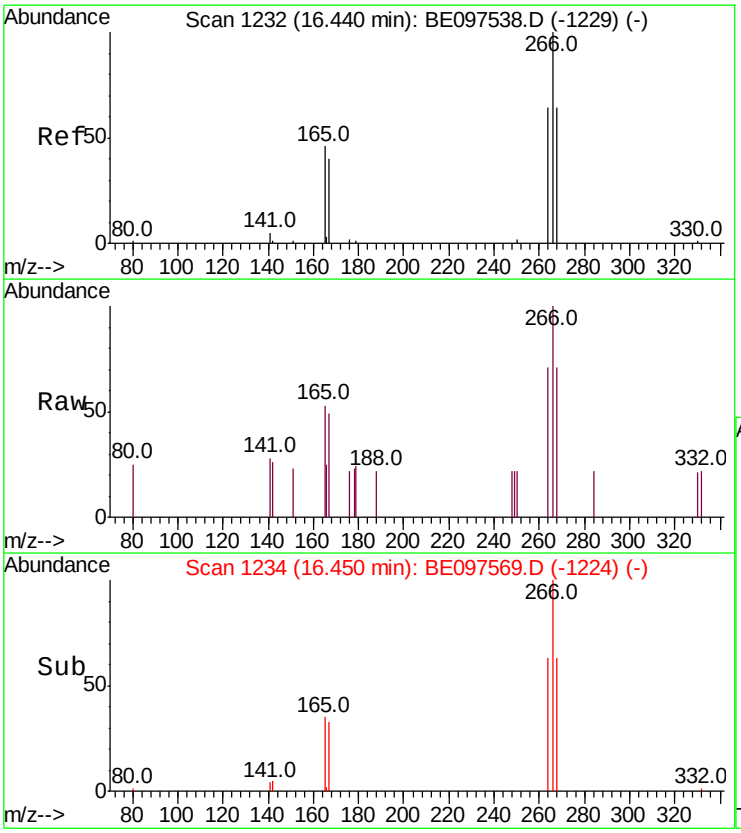

#21
Hexachlorobenzene
Concen: 0.418 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:284 Resp: 1114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.0 | 22.1 | 33.1 |
| 249 | 29.8 | 34.8 | 52.2# |

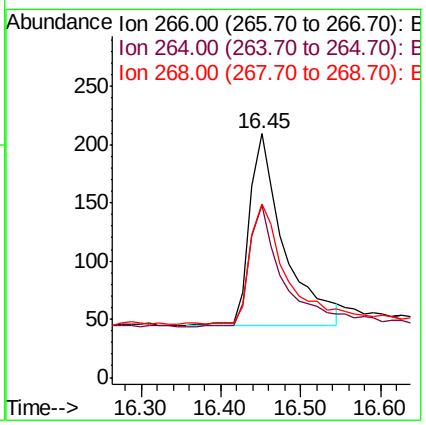


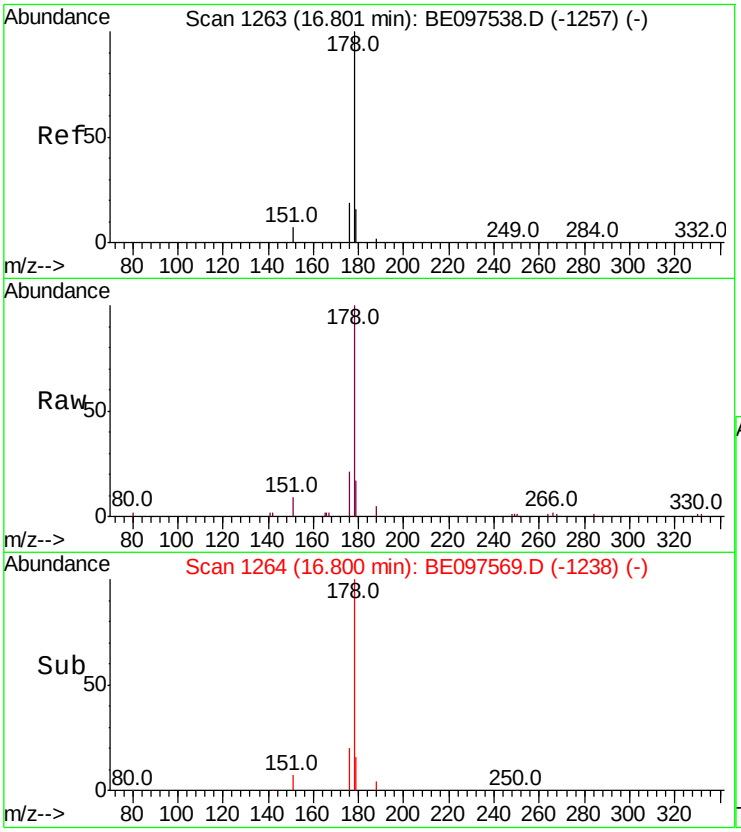




#22
Pentachlorophenol
Concen: 0.538 ng
RT: 16.45 min Scan# 1234
Delta R.T. 0.01 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:266 Resp: 488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 70.8 | 72.5 | 108.7# |
| 268 | 71.3 | 73.8 | 110.6# |



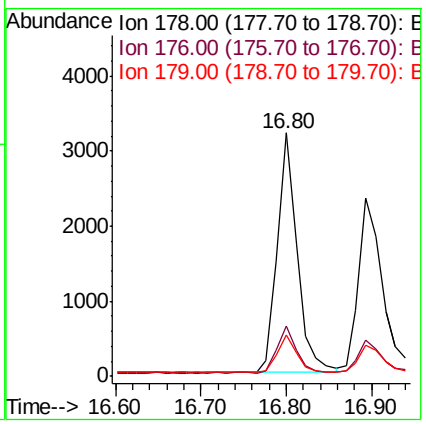


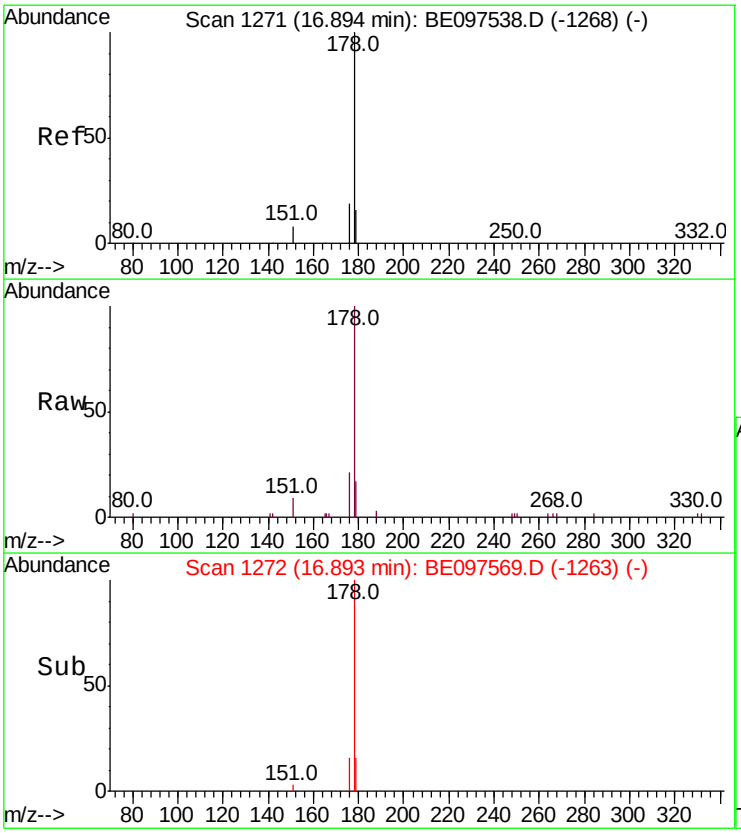

#23
Phenanthrene
Concen: 0.404 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:178 Resp: 5160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.4 | 15.1 | 22.7 |
| 179 | 15.6 | 11.8 | 17.6 |

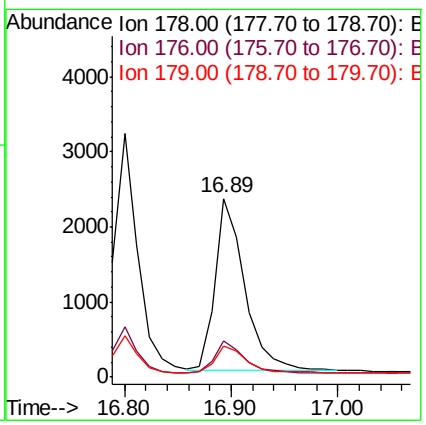


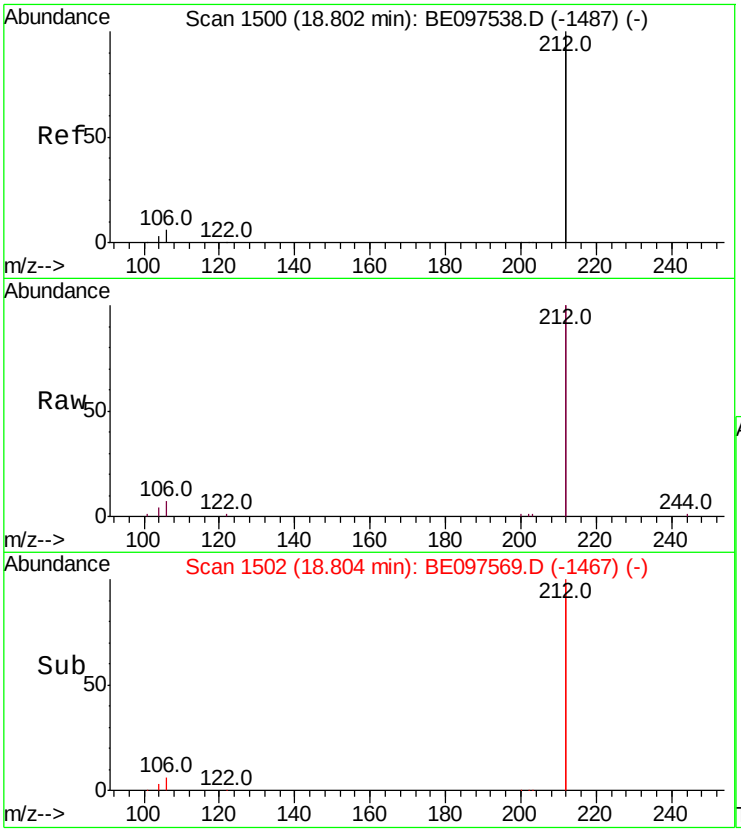




#24
Anthracene
Concen: 0.392 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:178 Resp: 4419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 12.8 | 19.2 |
| 179 | 15.7 | 13.0 | 19.6 |



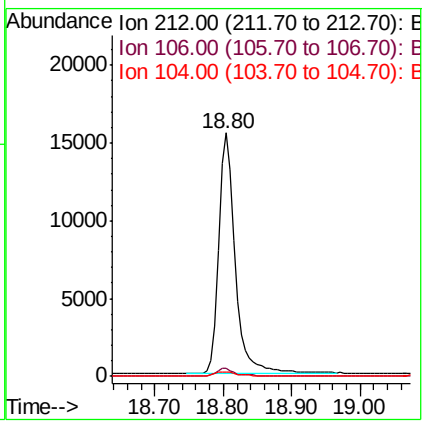


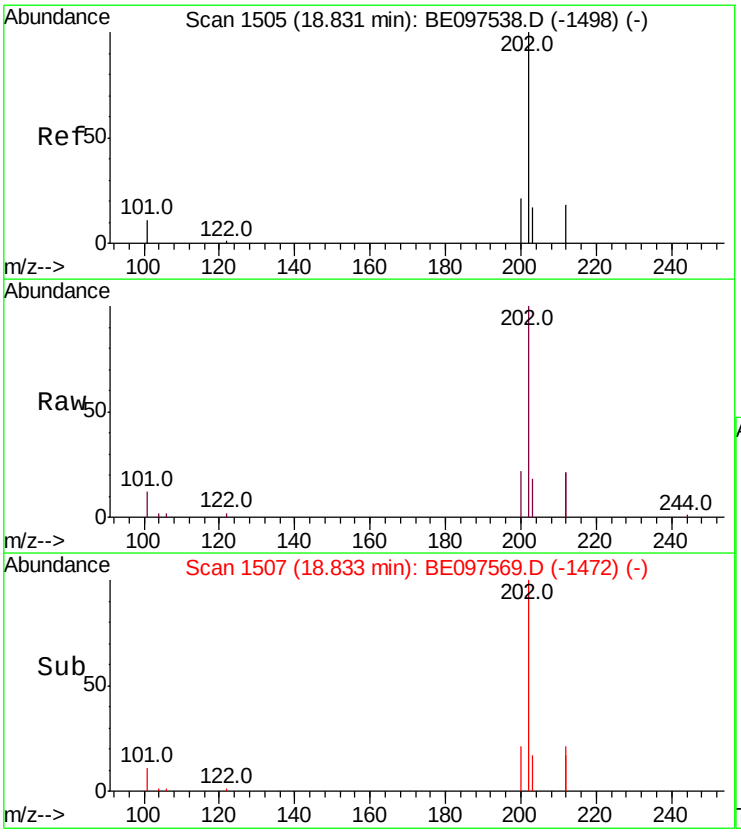

#25
Fluoranthene-d10
Concen: 0.384 ng
RT: 18.80 min Scan# 1502
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:212 Resp: 26434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.1 | 2.8 | 4.2 |
| 104 | 1.7 | 1.6 | 2.4 |

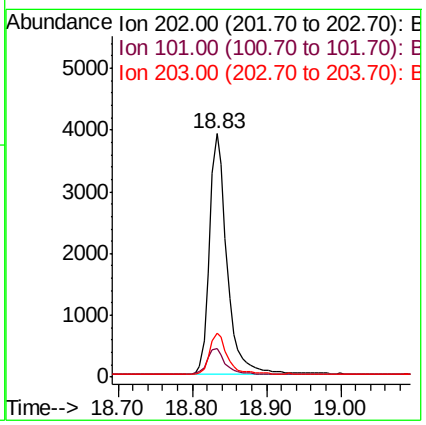


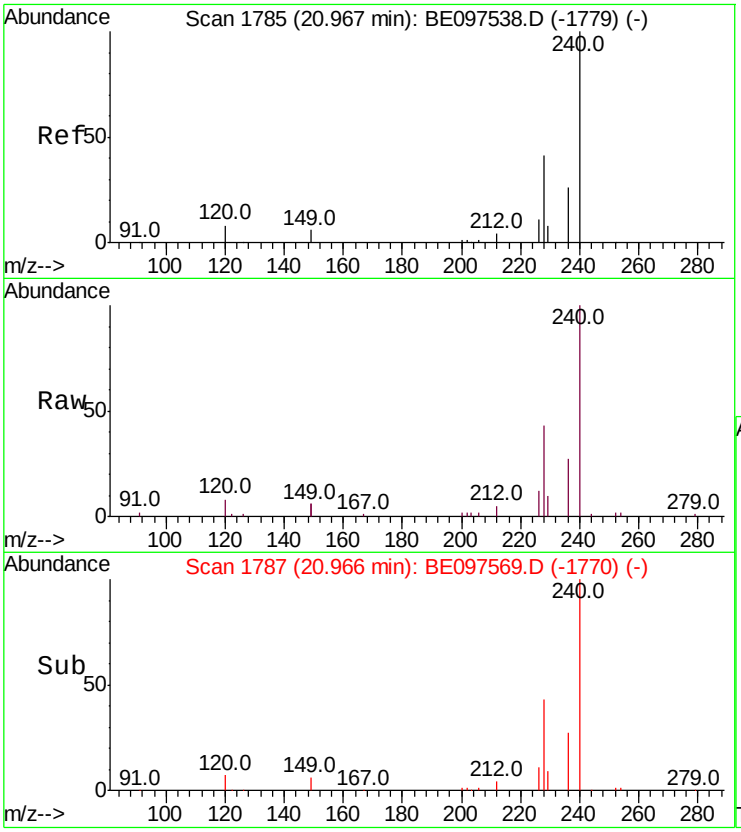




#26
Fluoranthene
Concen: 0.360 ng
RT: 18.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:202 Resp: 6383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 9.8 | 14.8 |
| 203 | 17.0 | 13.7 | 20.5 |



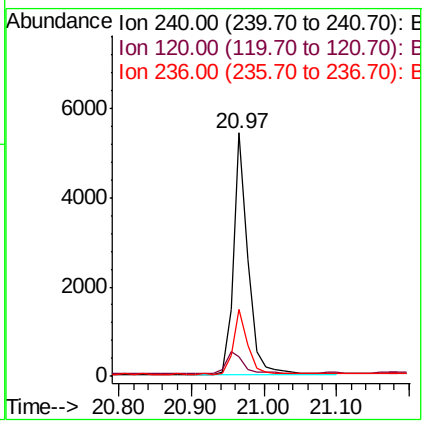


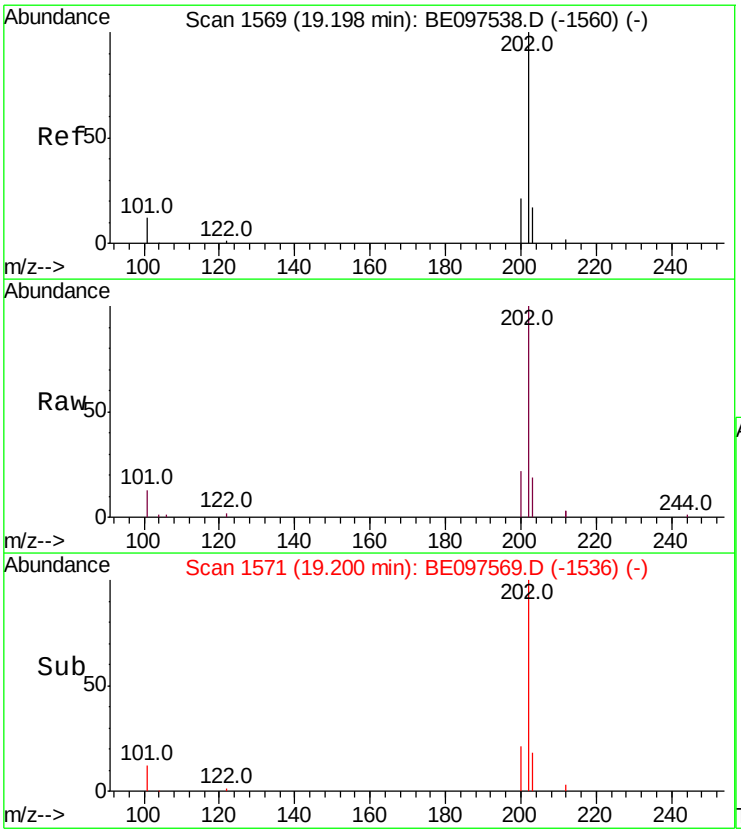

#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:240 Resp: 7596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.3 | 5.5 | 8.3# |
| 236 | 27.3 | 20.7 | 31.1 |

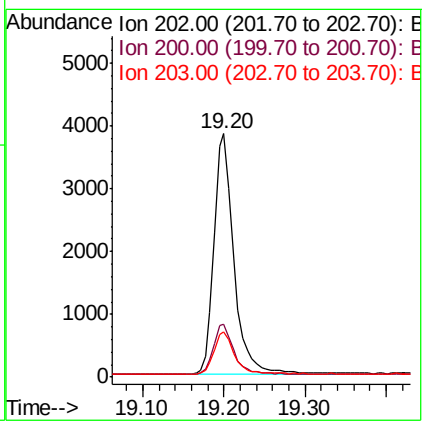


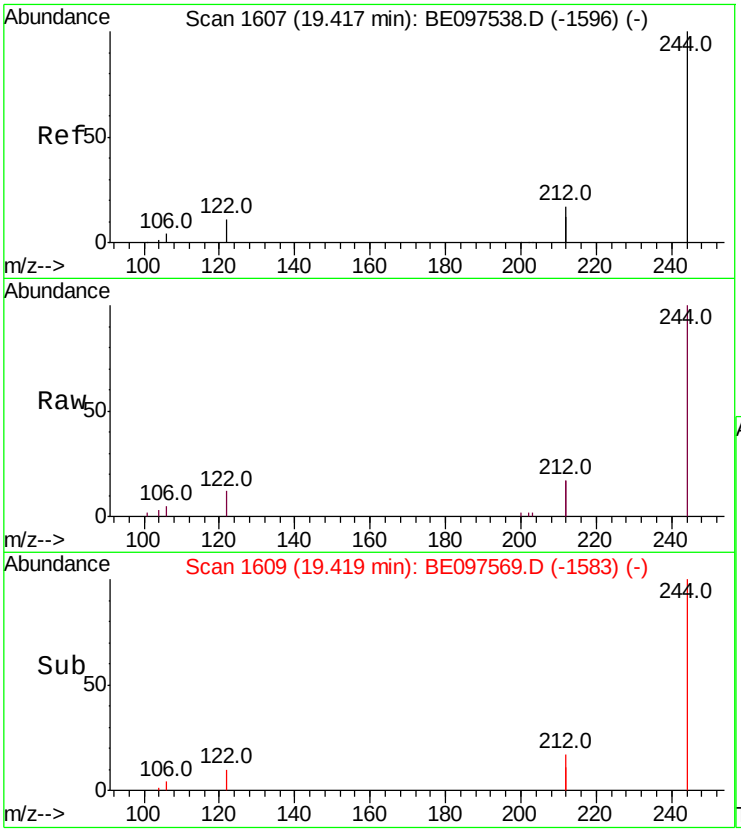




#28
Pyrene
Concen: 0.374 ng
RT: 19.20 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:202 Resp: 6464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 16.6 | 25.0 |
| 203 | 18.4 | 13.8 | 20.8 |



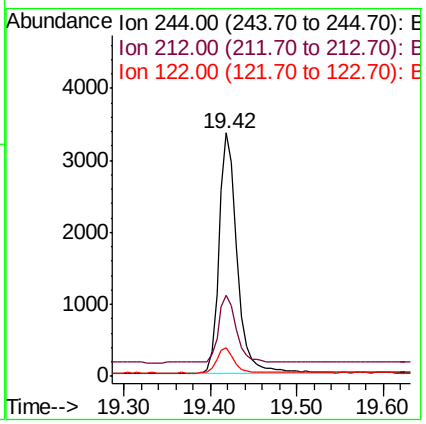


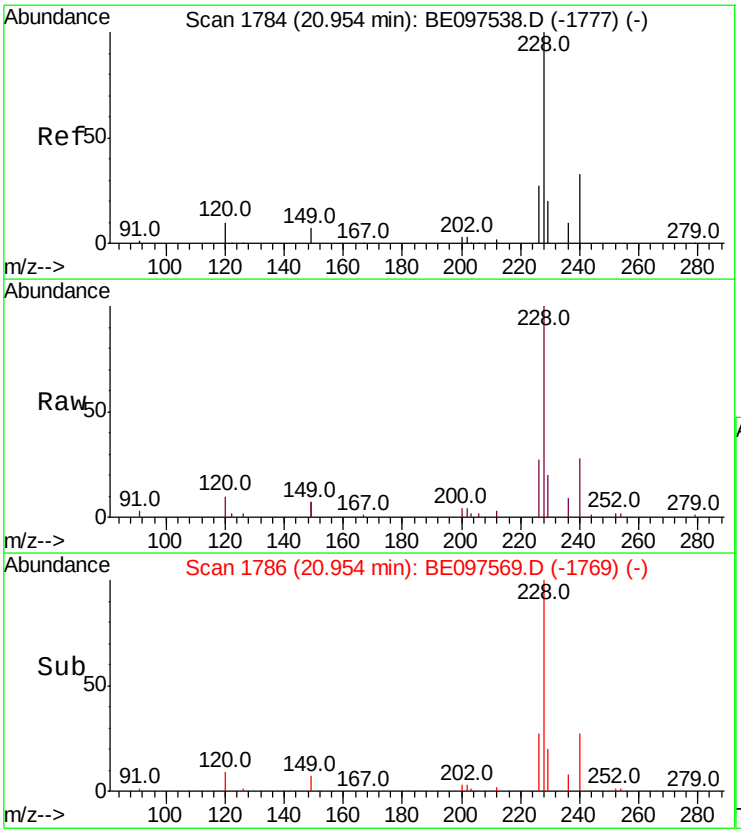

#29
Terphenyl-d14
Concen: 0.348 ng
RT: 19.42 min Scan# 1609
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:244 Resp: 4834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 33.4 | 25.4 | 38.0 |
| 122 | 11.5 | 8.1 | 12.1 |

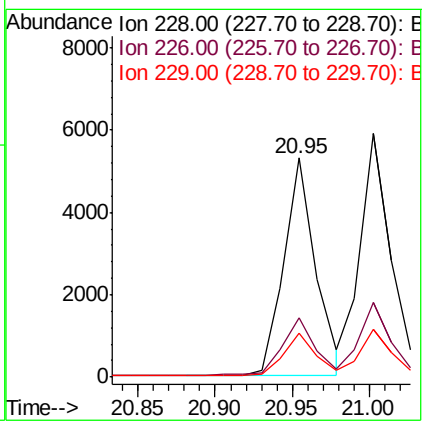


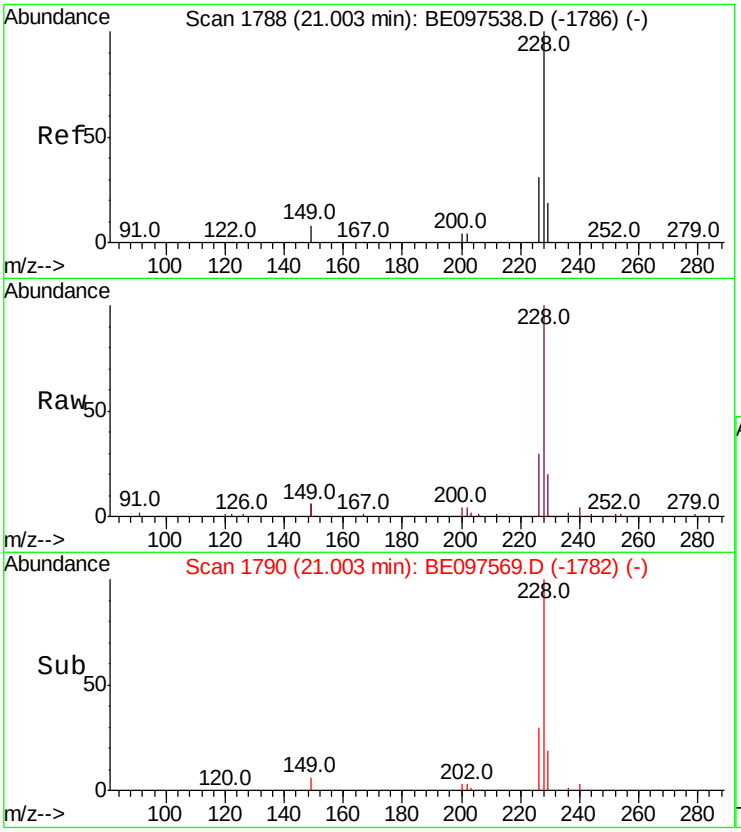




#30
Benzo(a)anthracene
Concen: 0.396 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:228 Resp: 7578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 24.0 | 36.0 |
| 229 | 20.3 | 16.0 | 24.0 |



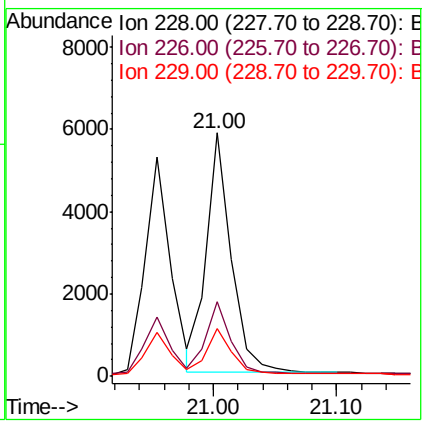


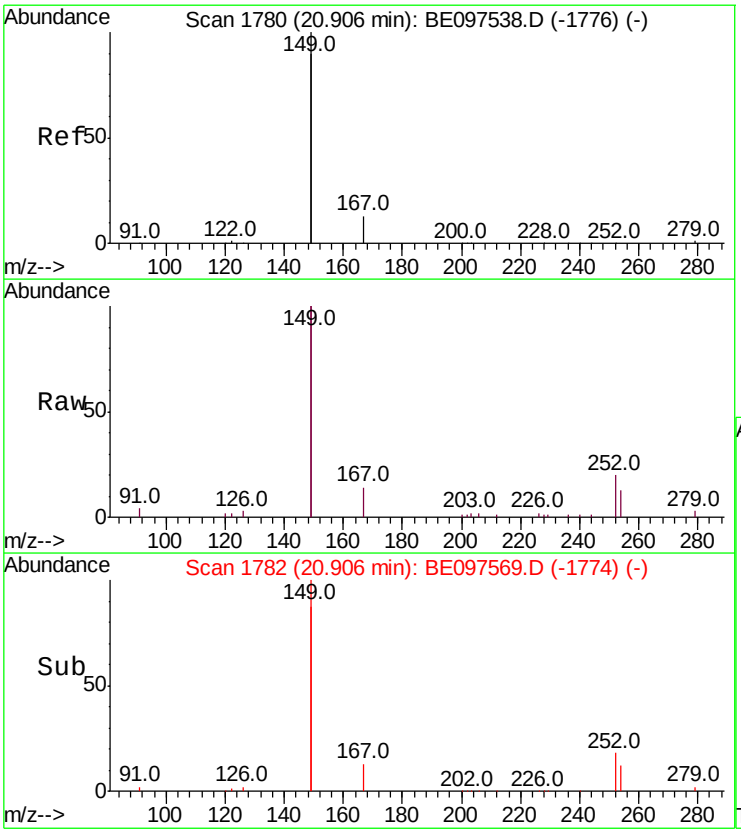

#31
Chrysene
Concen: 0.400 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:228 Resp: 8199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.0 | 36.0 |
| 229 | 19.9 | 16.0 | 24.0 |

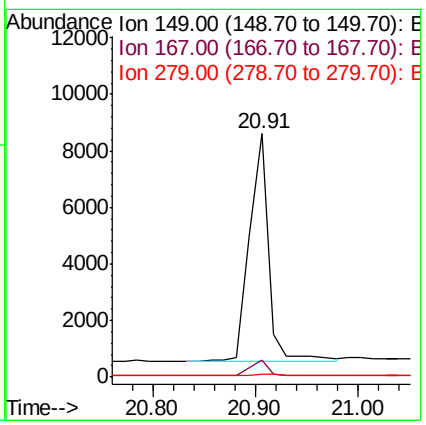


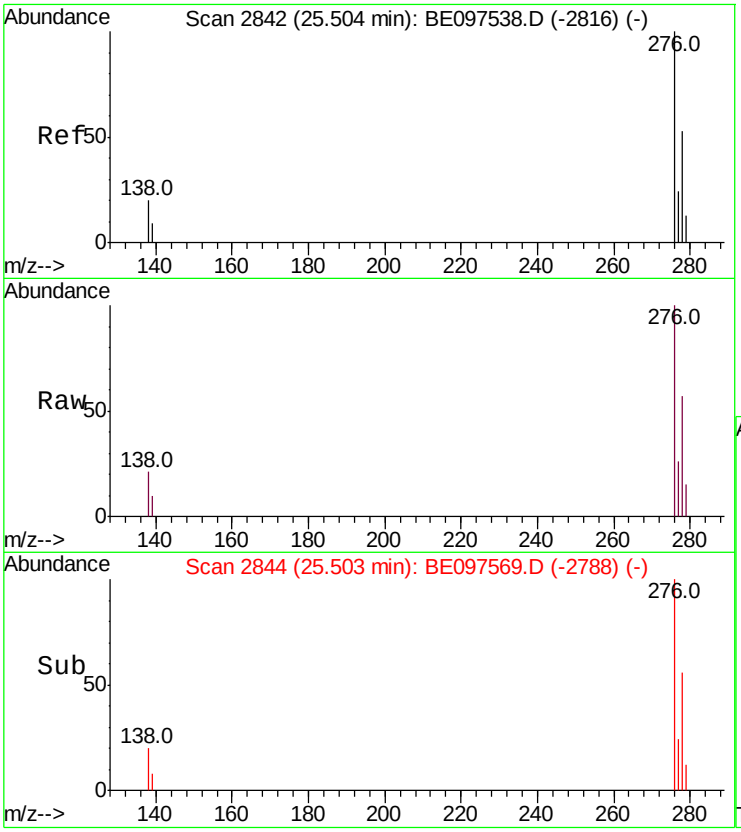




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.337 ng
RT: 20.91 min Scan# 1782
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:149 Resp: 10482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.2 | 5.4 | 8.0 |
| 279 | 1.1 | 0.7 | 1.1 |



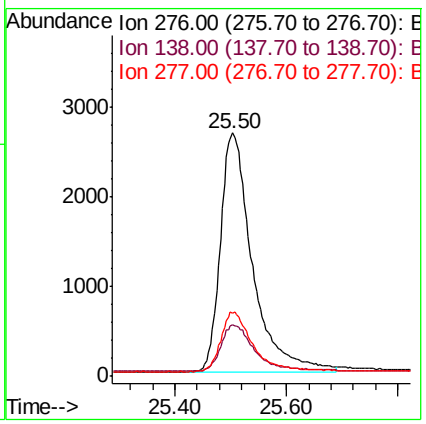


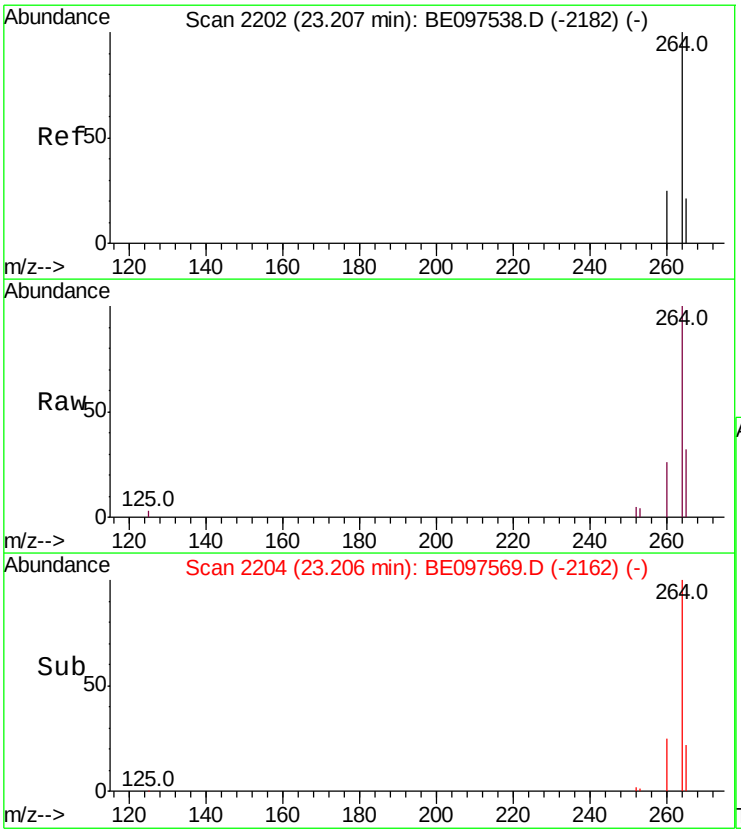

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 25.50 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:276 Resp: 10640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.0 | 22.5 | 33.7# |
| 277 | 24.3 | 19.9 | 29.9 |

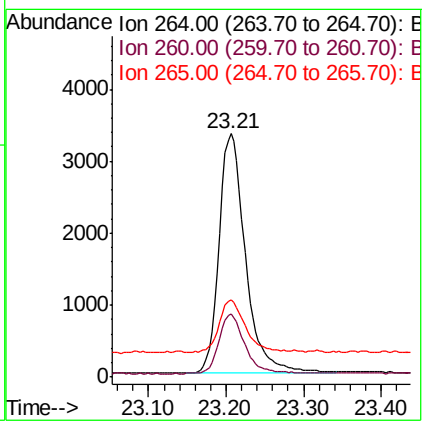


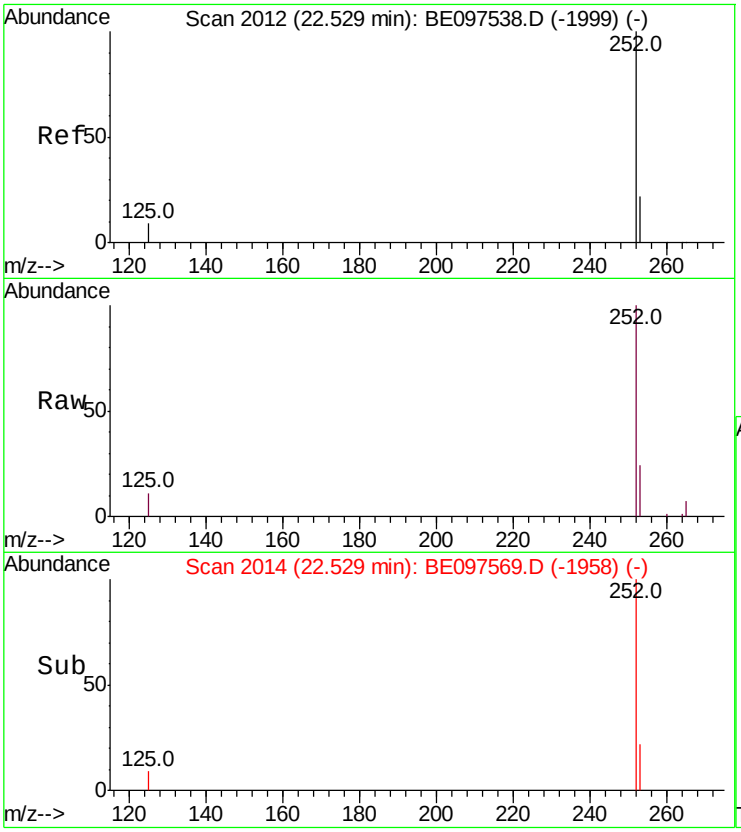




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:264 Resp: 7920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.9 | 20.5 | 30.7 |
| 265 | 31.9 | 22.8 | 34.2 |



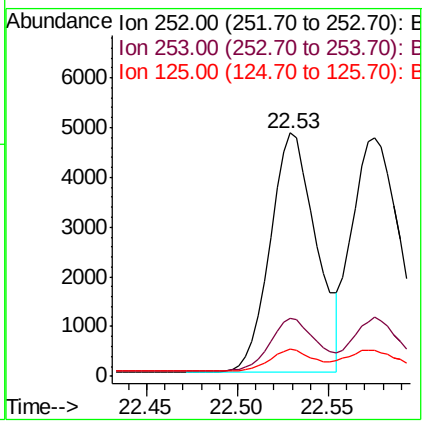


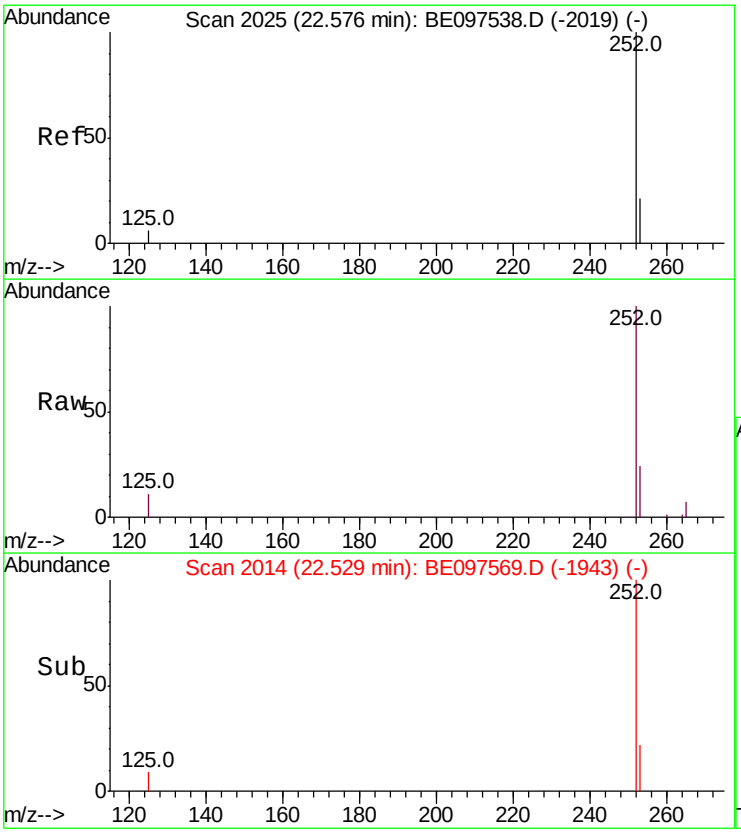

#35
Benzo(b)fluoranthene
Concen: 0.416 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:252 Resp: 8443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 20.0 | 30.0 |
| 125 | 11.0 | 16.0 | 24.0# |

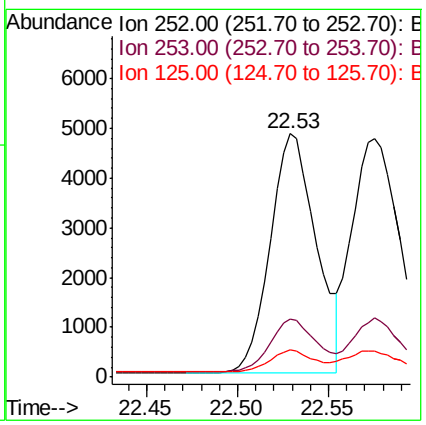


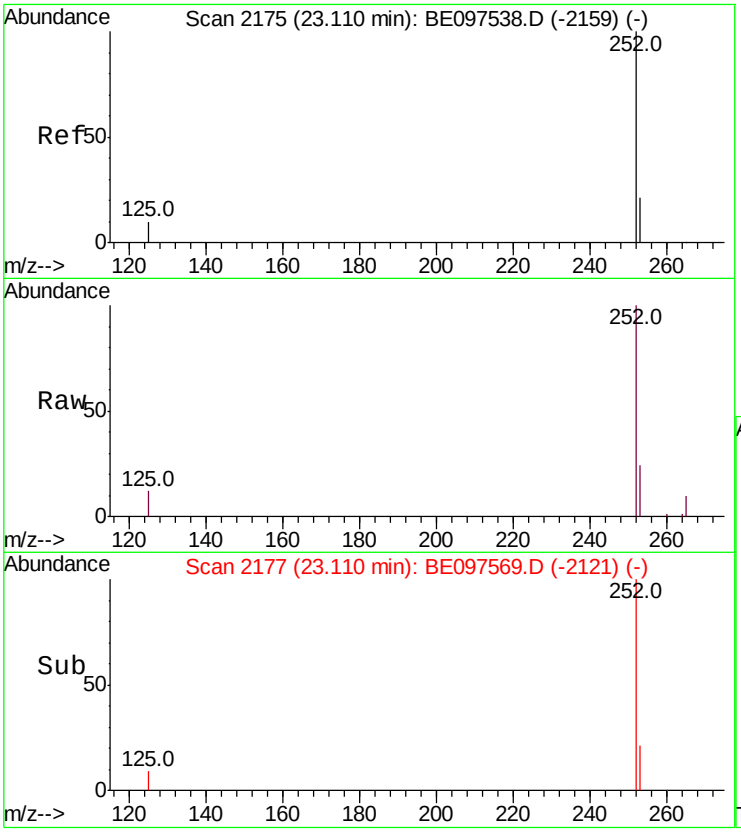




#36
Benzo(k)fluoranthene
Concen: 0.364 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.05 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:252 Resp: 8443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 16.0 | 24.0 |
| 125 | 11.0 | 8.0 | 12.0 |



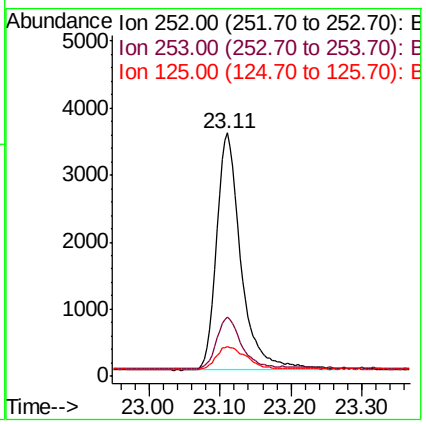


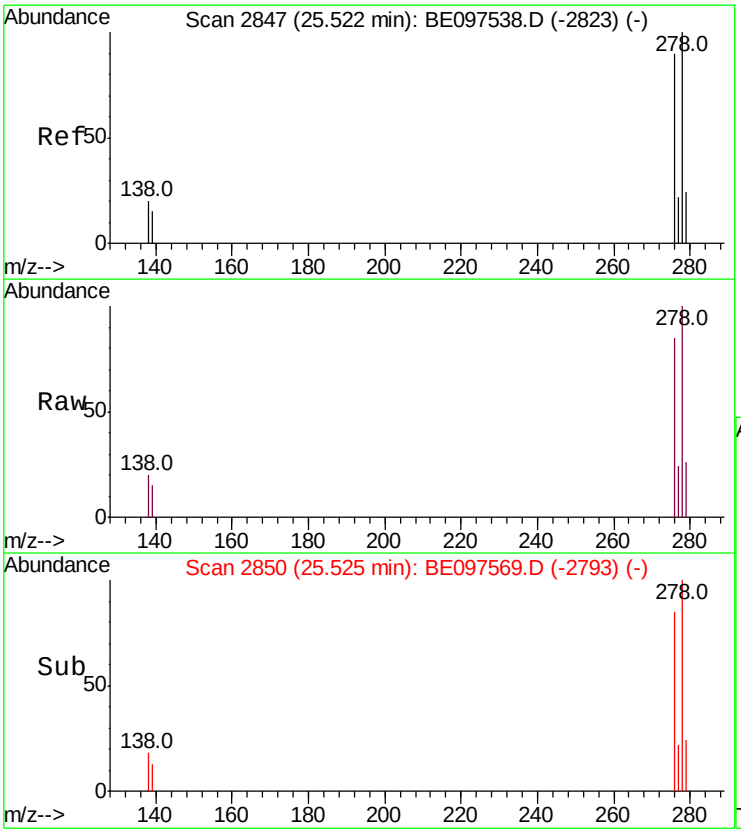

#37
Benzo(a)pyrene
Concen: 0.427 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:252 Resp: 8418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 16.0 | 24.0# |
| 125 | 12.0 | 12.0 | 18.0 |

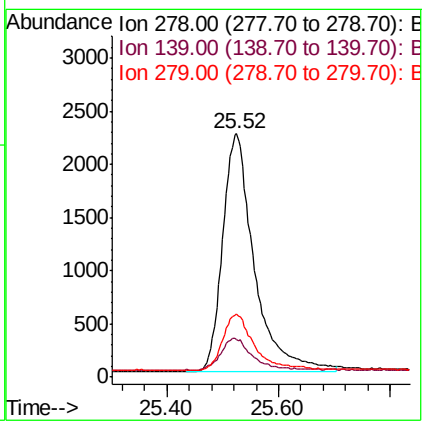


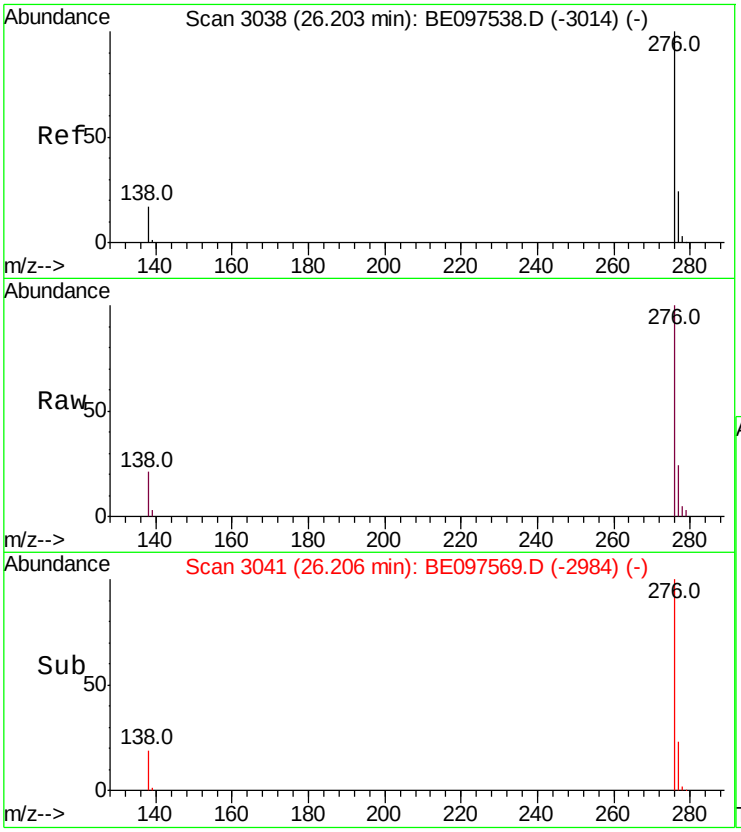




#38
Dibenzo(a,h)anthracene
Concen: 0.416 ng
RT: 25.52 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

Tgt Ion:278 Resp: 8855

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.4 | 16.0 | 24.0# |
| 279 | 26.2 | 20.0 | 30.0 |






#39
Benzo(g,h,i)perylene
Concen: 0.429 ng
RT: 26.21 min Scan# 3041
Delta R.T. 0.00 min
Lab File: BE097569.D
Acq: 20 Sep 2018 9:37

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

Tgt Ion:276 Resp: 8882

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 16.0 | 24.0# |
| 138 | 20.8 | 20.0 | 30.0 |