Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
Data File : BE097338.D
Acq On : 20 Aug 2018 18:50
Operator : SJ/JU
Sample : PB112113BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 21 05:05:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 20 18:32:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.39 | 152 | 942 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.13 | 136 | 3998 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.01 | 164 | 1878 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 16.76 | 188 | 5444 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 20.98 | 240 | 5045 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.21 | 264 | 4160 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.05 | 112 | 1333 | 0.62 | ng | | 0.00 |
| 5) Phenol-d6 | 6.60 | 99 | 1592 | 0.50 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.52 | 82 | 1058 | 0.62 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.72 | 152 | 3571 | 0.66 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.53 | 330 | 227 | 0.61 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.63 | 172 | 4214 | 0.55 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 18.81 | 212 | 30640 | 0.63 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.43 | 244 | 5039 | 0.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.10 | 88 | 593 | 0.423 | ng | | 88 |
| 3) n-Nitrosodimethylamine | 3.38 | 42 | 748 | 0.574 | ng | # | 85 |
| 6) bis(2-Chloroethyl)ether | 6.83 | 93 | 1423 | 0.447 | ng | | 99 |
| 9) Naphthalene | 10.18 | 128 | 18486 | 0.504 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.48 | 225 | 759 | 0.471 | ng | | 99 |
| 12) 2-Methylnaphthalene | 11.80 | 142 | 2793 | 0.506 | ng | | 99 |
| 16) Acenaphthylene | 13.73 | 152 | 3253 | 0.455 | ng | | 100 |
| 17) Acenaphthene | 14.07 | 154 | 2441 | 0.483 | ng | # | 94 |
| 18) Fluorene | 15.06 | 166 | 3329 | 0.539 | ng | # | 80 |
| 20) 4-Bromophenyl-phenylether | 15.97 | 248 | 1087 | 0.442 | ng | | 90 |
| 21) Hexachlorobenzene | 16.08 | 284 | 1374 | 0.417 | ng | # | 82 |
| 22) Pentachlorophenol | 16.44 | 266 | 331 | 1.060 | ng | # | 82 |
| 23) Phenanthrene | 16.81 | 178 | 6754 | 0.509 | ng | | 98 |
| 24) Anthracene | 16.90 | 178 | 5398 | 0.549 | ng | | 96 |
| 26) Fluoranthene | 18.84 | 202 | 7531 | 0.589 | ng | | 99 |
| 28) Pyrene | 19.21 | 202 | 7030 | 0.519 | ng | | 99 |
| 30) Benzo(a)anthracene | 20.97 | 228 | 5830 | 0.538 | ng | | 96 |
| 31) Chrysene | 21.01 | 228 | 7203 | 0.507 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149 | 3353 | 0.555 | ng | # | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.53 | 276 | 5685 | 0.629 | ng | # | 91 |
| 35) Benzo(b)fluoranthene | 22.54 | 252 | 5176 | 0.472 | ng | # | 89 |
| 36) Benzo(k)fluoranthene | 22.54 | 252 | 5176 | 0.336 | ng | | 94 |
| 37) Benzo(a)pyrene | 23.12 | 252 | 5243 | 0.525 | ng | # | 91 |
| 38) Dibenzo(a,h)anthracene | 25.54 | 278 | 4573 | 0.536 | ng | | 96 |
| 39) Benzo(g,h,i)perylene | 26.22 | 276 | 4502 | 0.523 | ng | # | 92 |

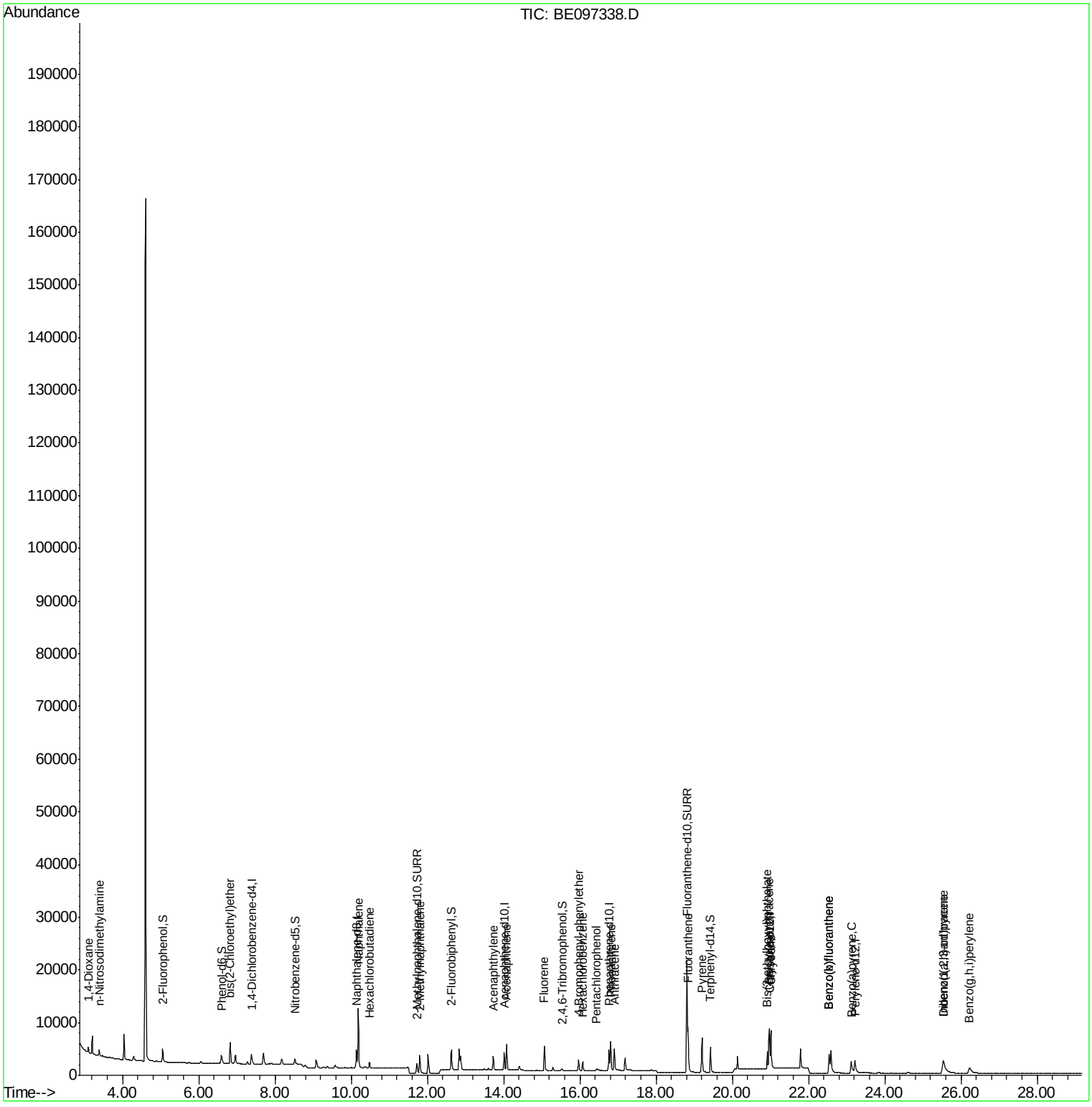
(#) = qualifier out of range (m) = manual integration (+) = signals summed

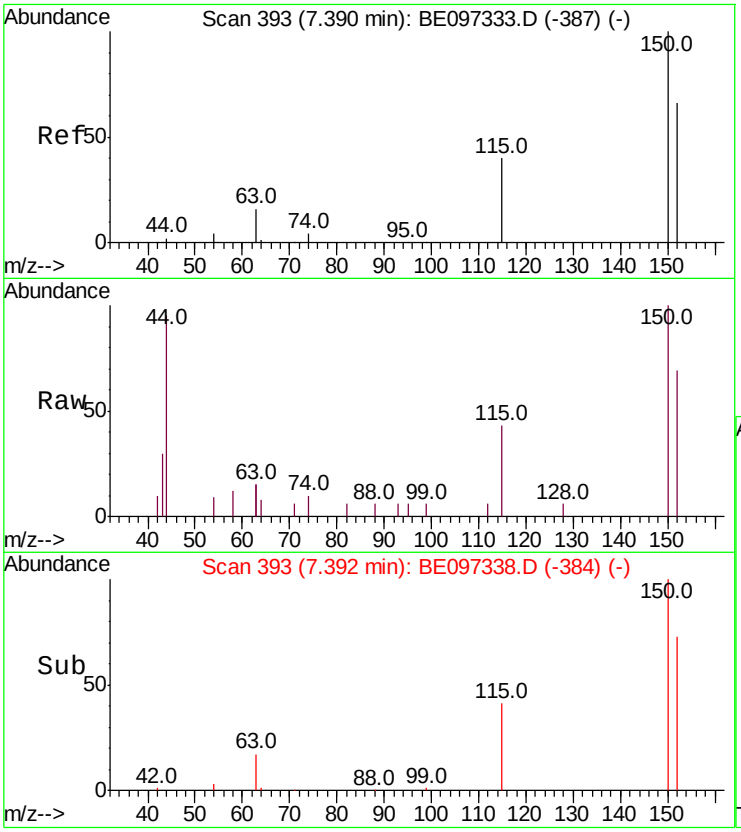
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
Data File : BE097338.D
Acq On : 20 Aug 2018 18:50
Operator : SJ/JU
Sample : PB112113BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Aug 21 05:05:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 20 18:32:10 2018
Response via : Initial Calibration



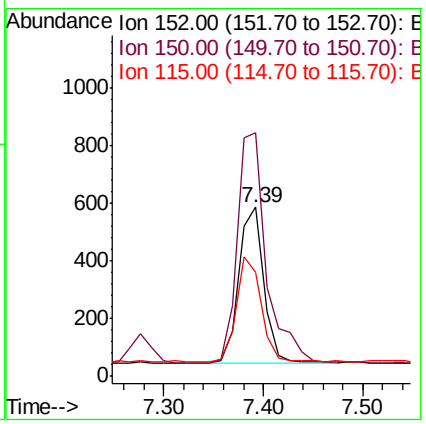


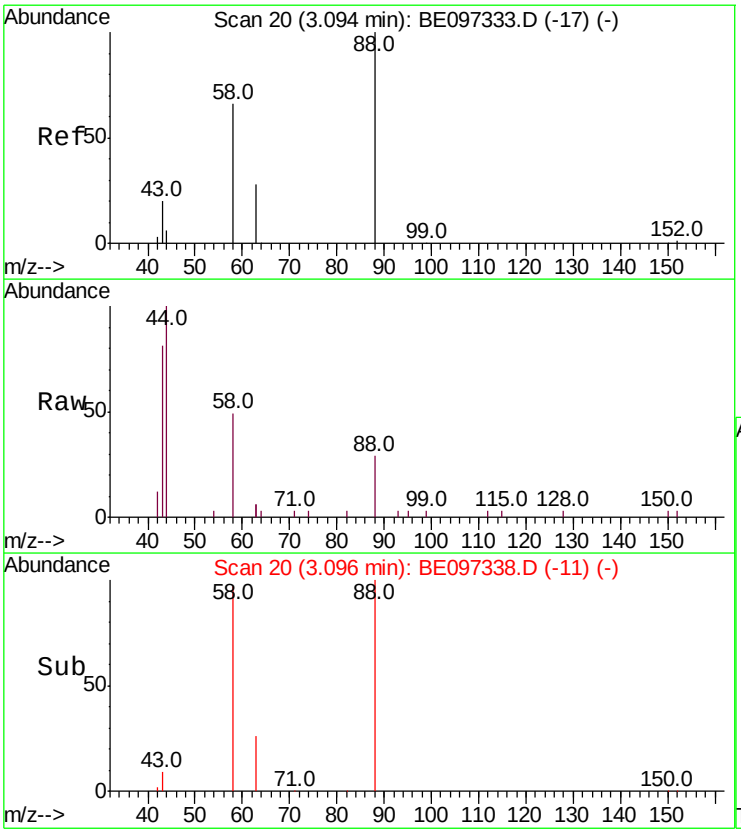

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:152 Resp: 942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 144.2 | 117.2 | 175.8 |
| 115 | 61.4 | 57.0 | 85.6 |

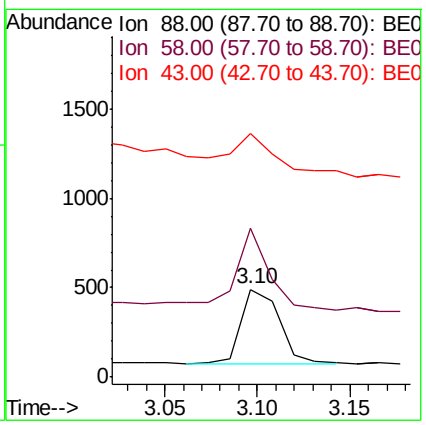


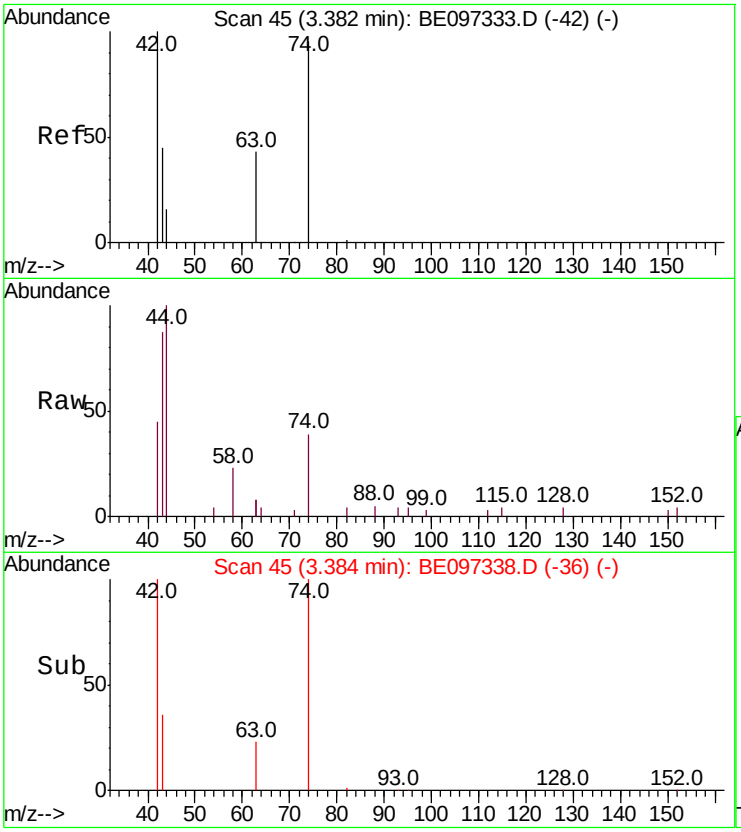




#2
1,4-Dioxane
Concen: 0.423 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion: 88 Resp: 593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 92.6 | 63.2 | 94.8 |
| 43 | 47.2 | 41.2 | 61.8 |



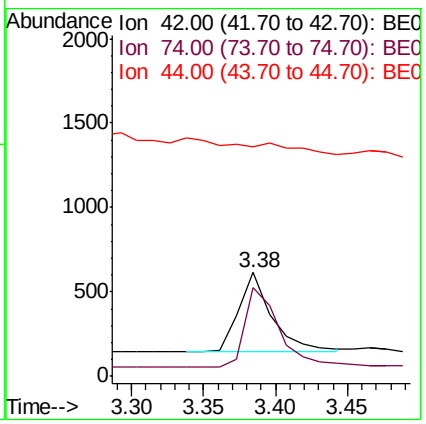


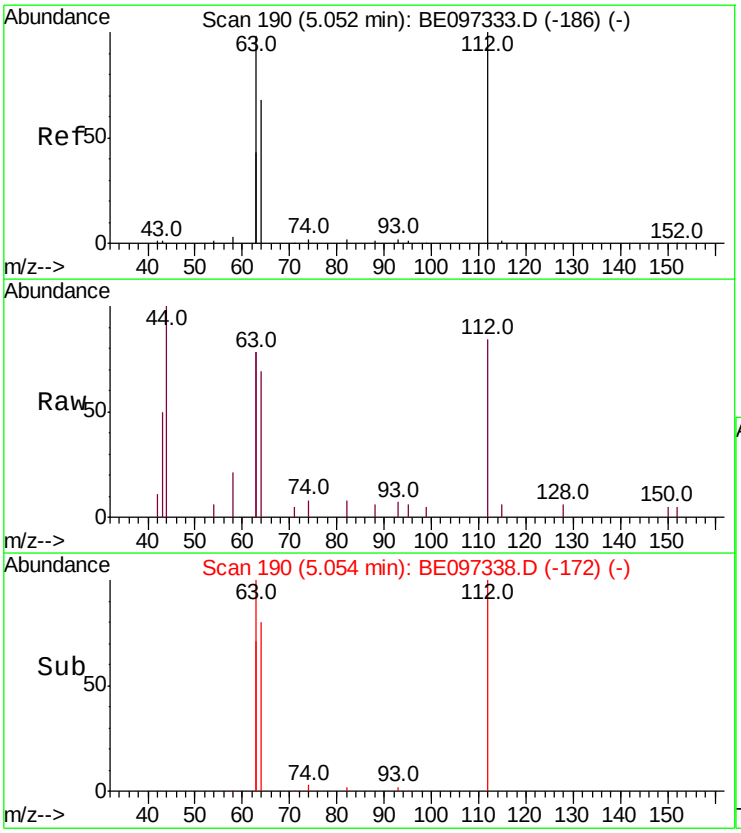

#3
n-Nitrosodimethylamine
Concen: 0.574 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion: 42 Resp: 748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 106.4 | 96.0 | 144.0 |
| 44 | 0.0 | 12.0 | 18.0# |

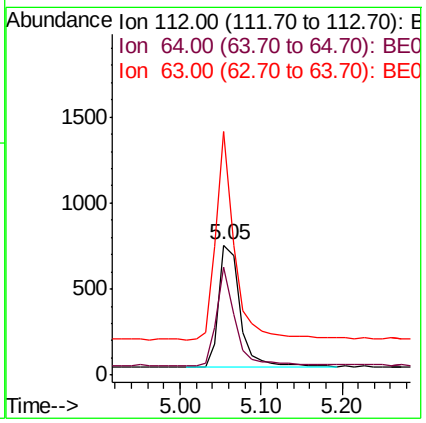


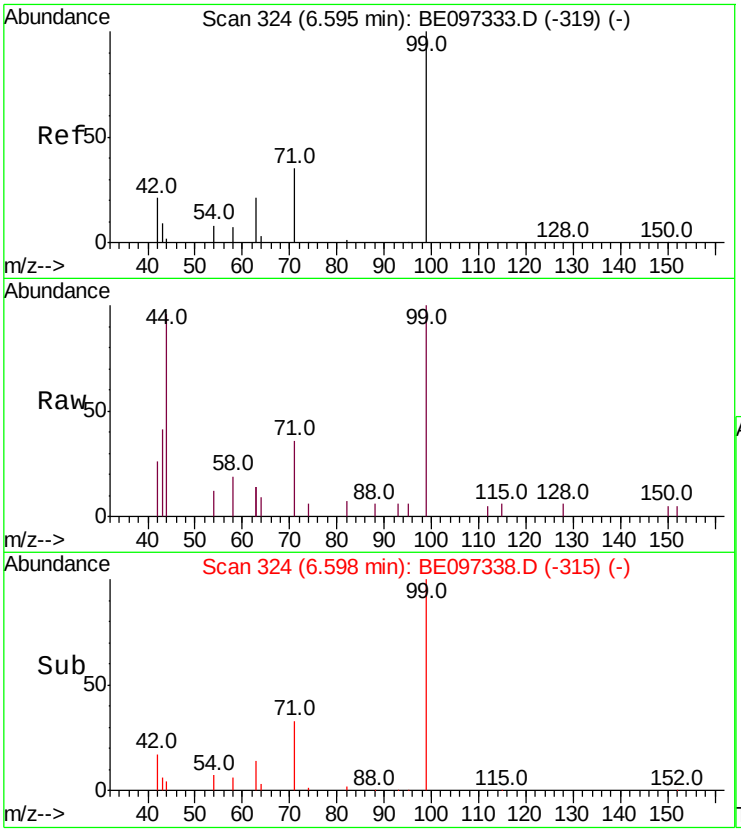




#4
2-Fluorophenol
Concen: 0.618 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:112 Resp: 1333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.5 | 60.1 | 90.1 |
| 63 | 146.9 | 116.8 | 175.2 |



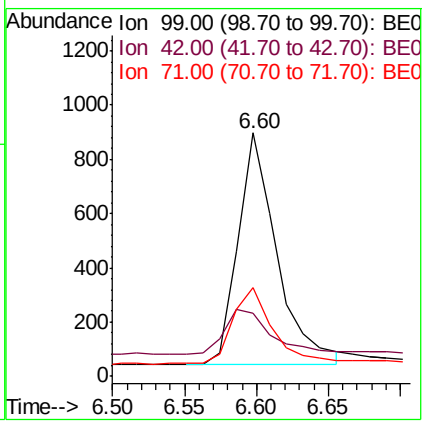


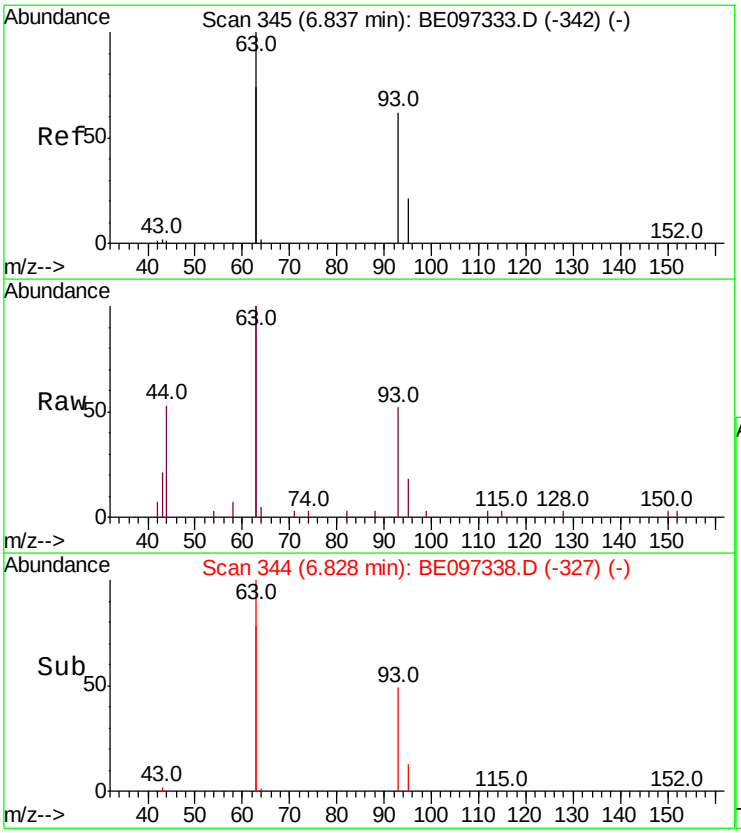

#5
Phenol-d6
Concen: 0.497 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion: 99 Resp: 1592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.4 | 20.2 | 30.2 |
| 71 | 34.4 | 28.4 | 42.6 |

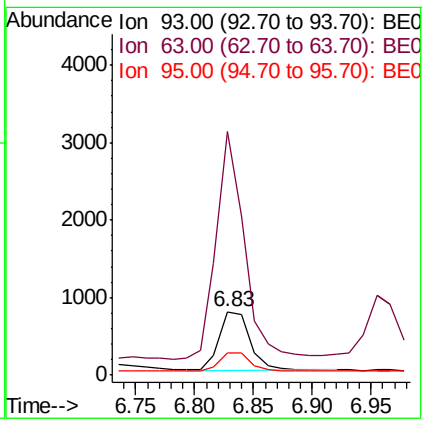


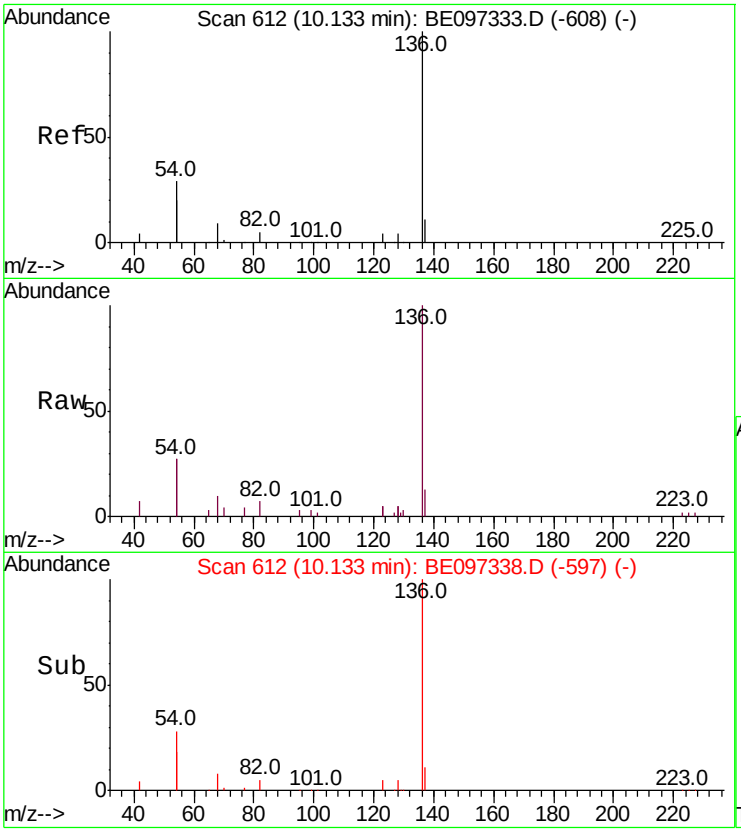




#6
bis(2-Chloroethyl)ether
Concen: 0.447 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion: 93 Resp: 1423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 341.6 | 275.3 | 412.9 |
| 95 | 31.8 | 25.2 | 37.8 |



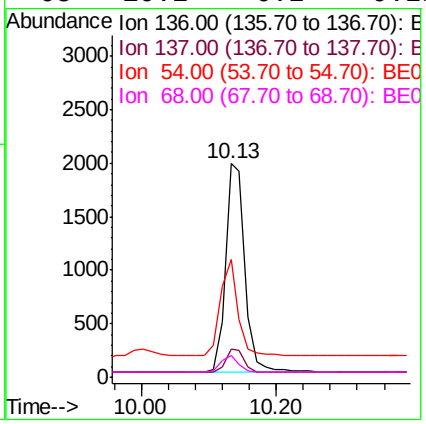


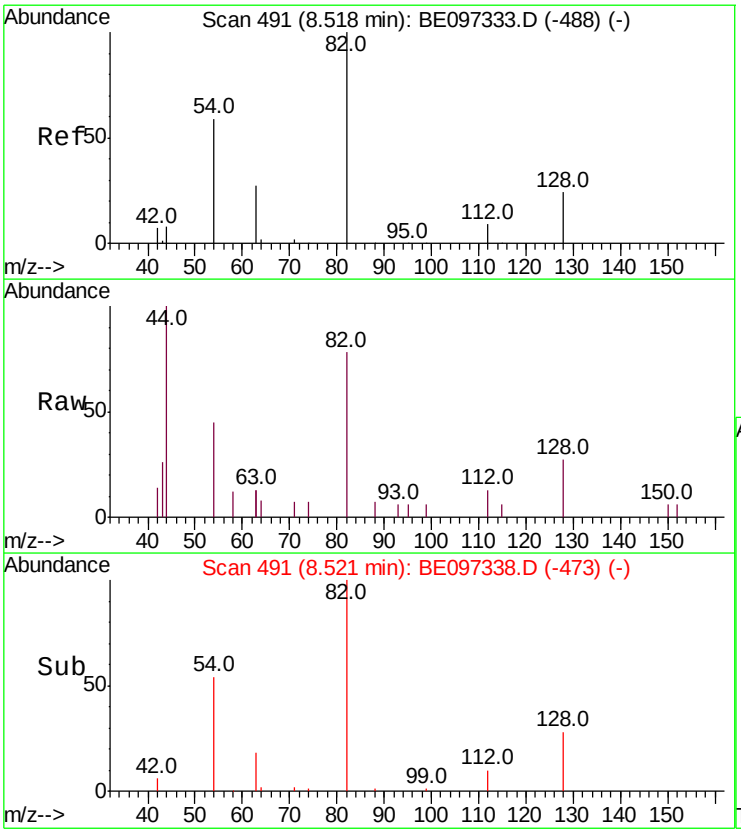

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:136 Resp: 3998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 13.1 | 9.5 | 14.3 |
| 54 | 54.9 | 29.1 | 43.7# |
| 68 | 10.2 | 6.2 | 9.2# |

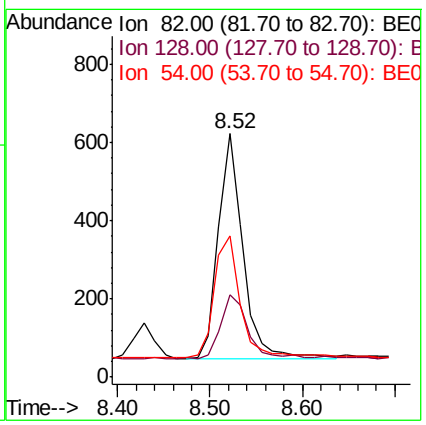


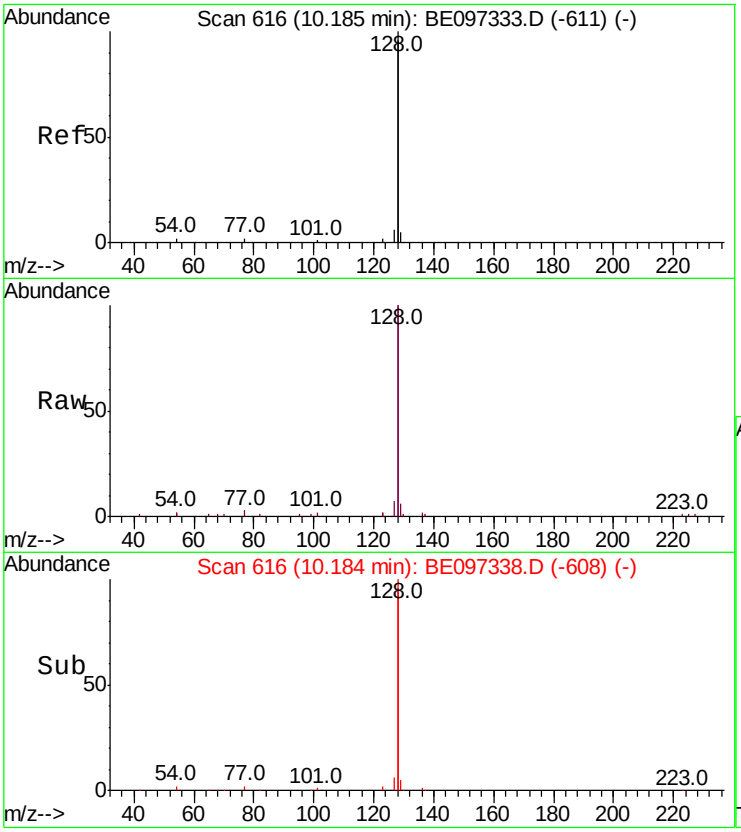




#8
Nitrobenzene-d5
Concen: 0.619 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion: 82 Resp: 1058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.9 | 24.0 | 36.0 |
| 54 | 57.9 | 40.0 | 60.0 |



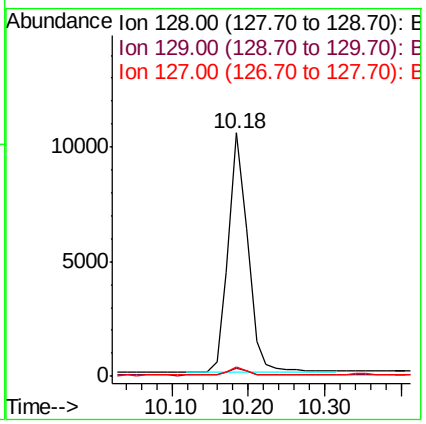


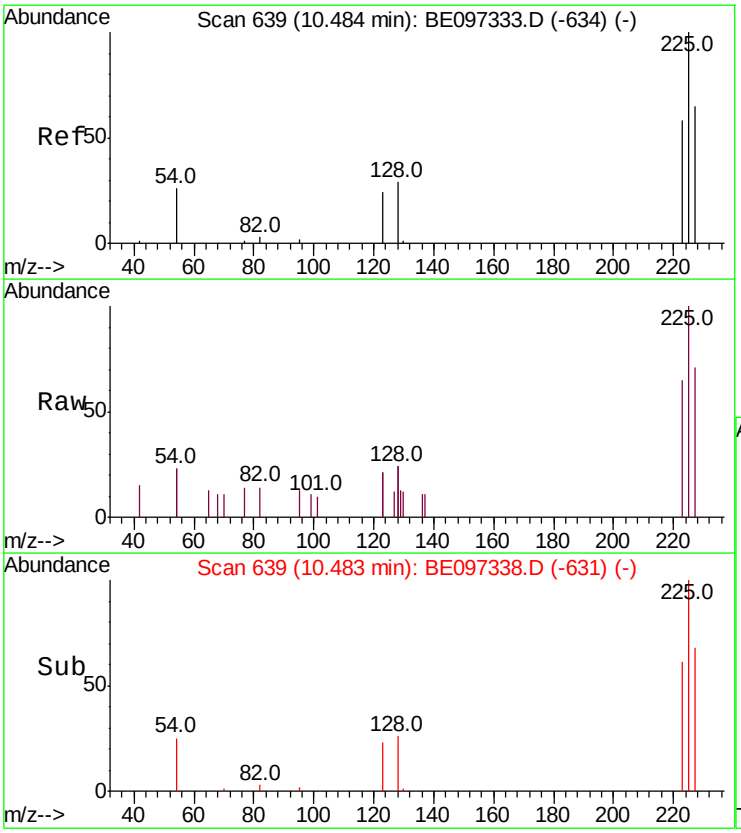

#9
Naphthalene
Concen: 0.504 ng
RT: 10.18 min Scan# 616
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:128 Resp: 18486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.1 | 2.6 | 3.8 |
| 127 | 3.6 | 2.8 | 4.2 |

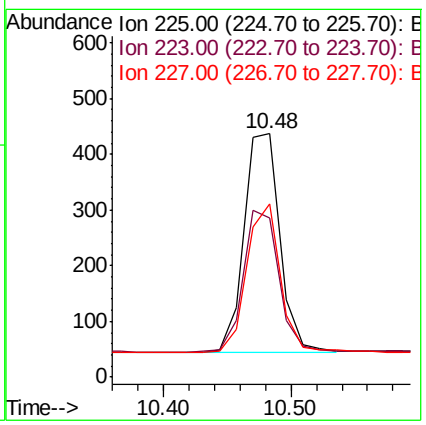


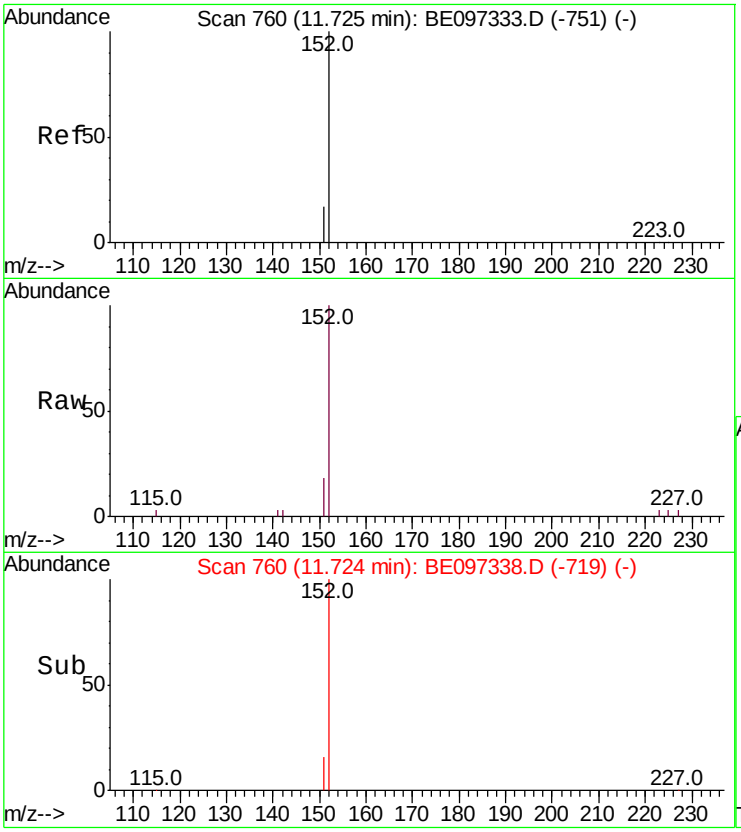




#10
Hexachlorobutadiene
Concen: 0.471 ng
RT: 10.48 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:225 Resp: 759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 65.9 | 53.0 | 79.6 |
| 227 | 63.6 | 51.4 | 77.2 |



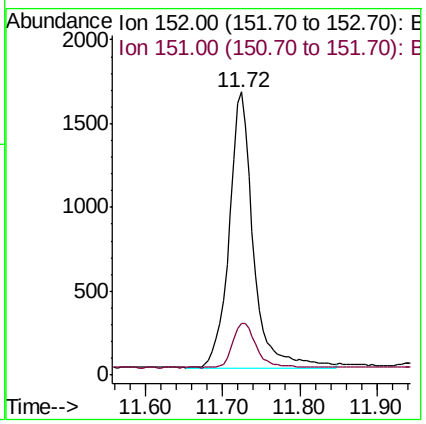


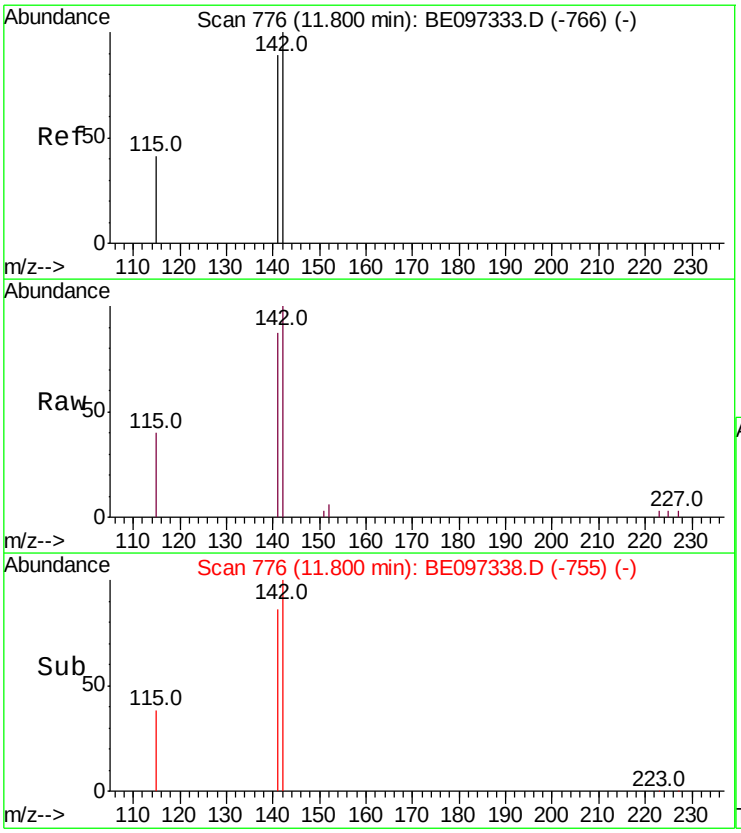

#11
2-Methylnaphthalene-d10
Concen: 0.661 ng
RT: 11.72 min Scan# 760
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:152 Resp: 3571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 16.1 | 15.4 | 23.0 |

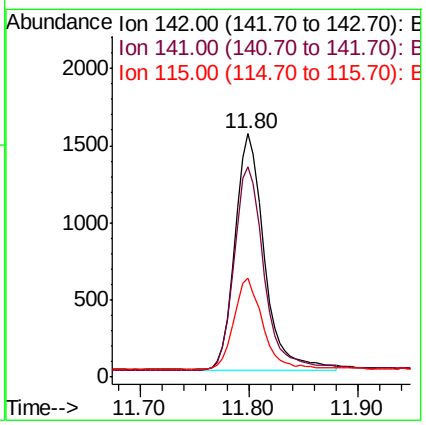


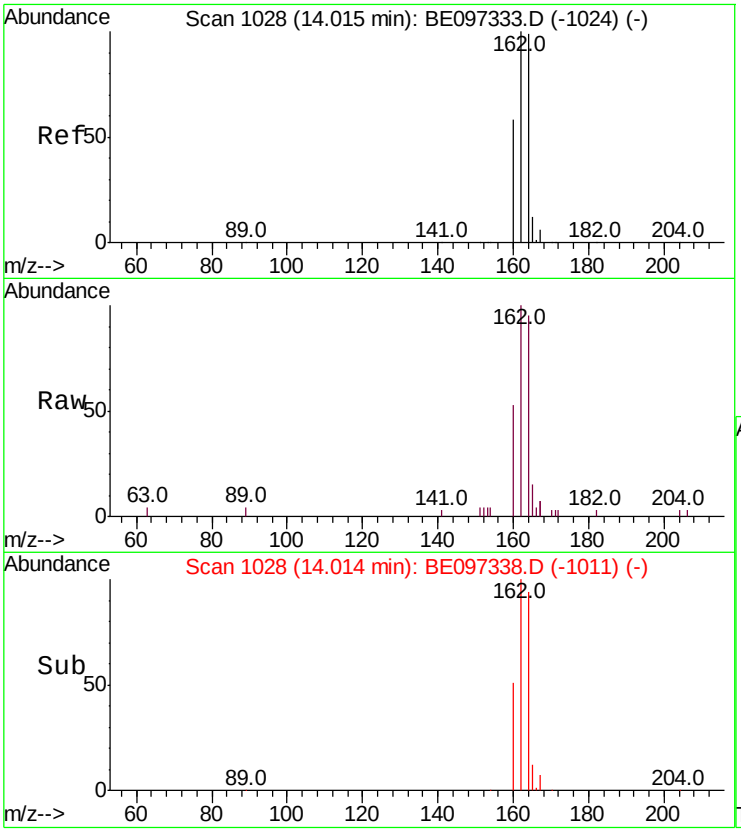




#12
2-Methylnaphthalene
Concen: 0.506 ng
RT: 11.80 min Scan# 776
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:142 Resp: 2793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.6 | 70.4 | 105.6 |
| 115 | 40.4 | 31.7 | 47.5 |



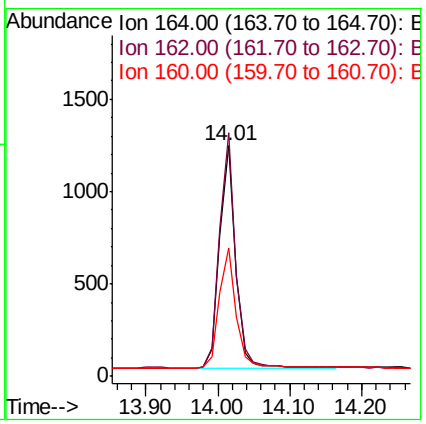


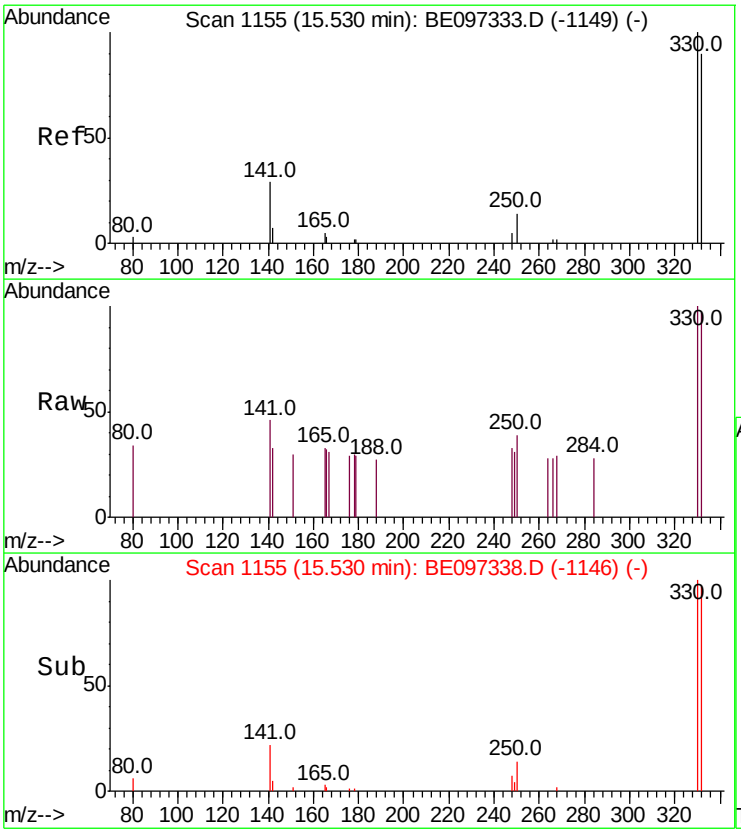

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:164 Resp: 1878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.7 | 83.1 | 124.7 |
| 160 | 56.0 | 37.1 | 55.7# |

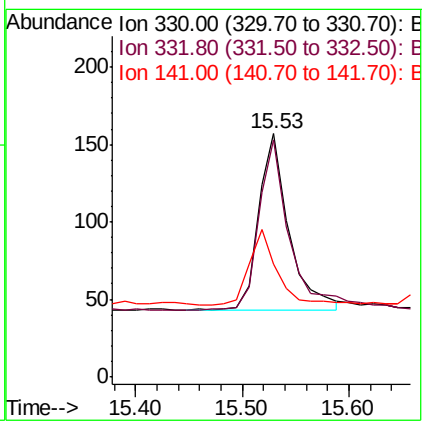


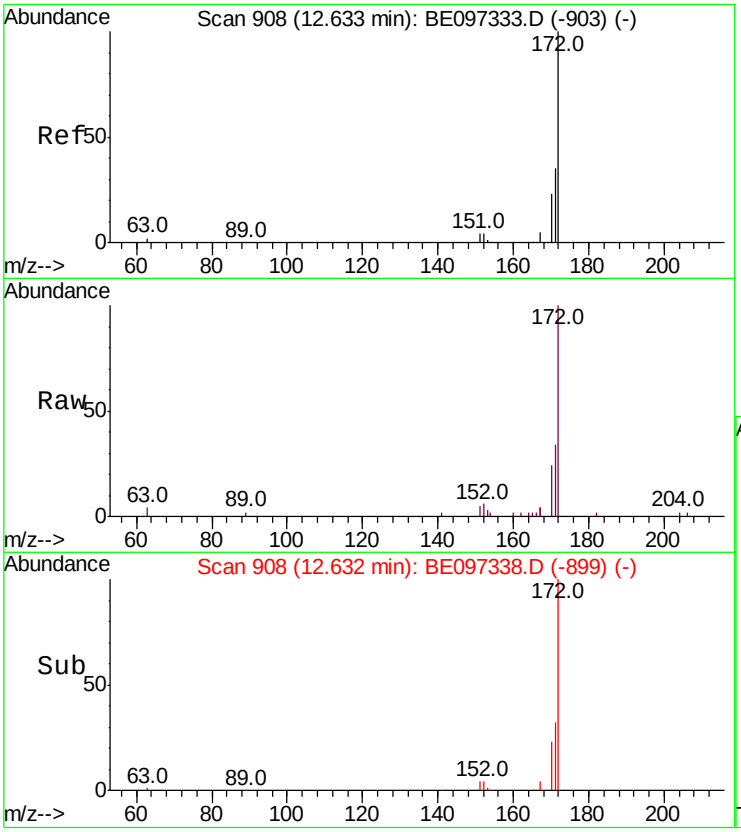




#14
2,4,6-Tribromophenol
Concen: 0.611 ng
RT: 15.53 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:330 Resp: 227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 152.7 | 229.1# |
| 141 | 40.5 | 33.7 | 50.5 |



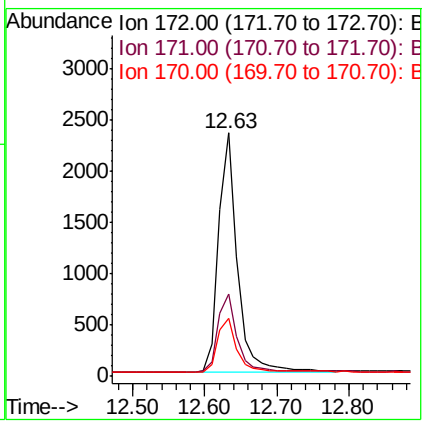


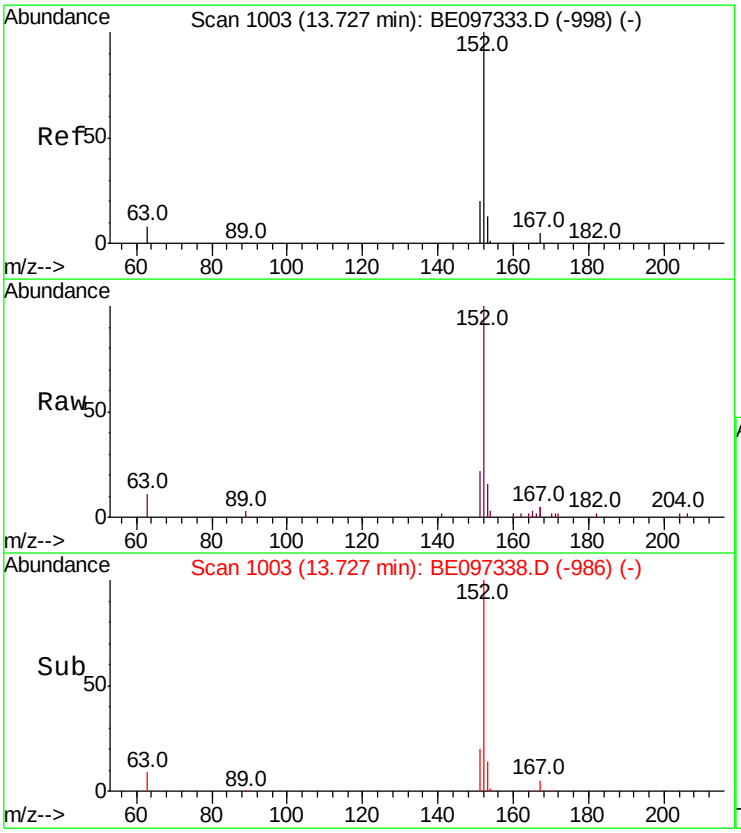

#15
2-Fluorobiphenyl
Concen: 0.547 ng
RT: 12.63 min Scan# 908
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:172 Resp: 4214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.7 | 29.9 | 44.9 |
| 170 | 24.1 | 21.8 | 32.8 |

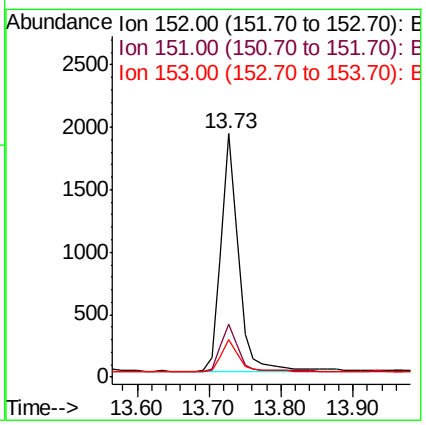


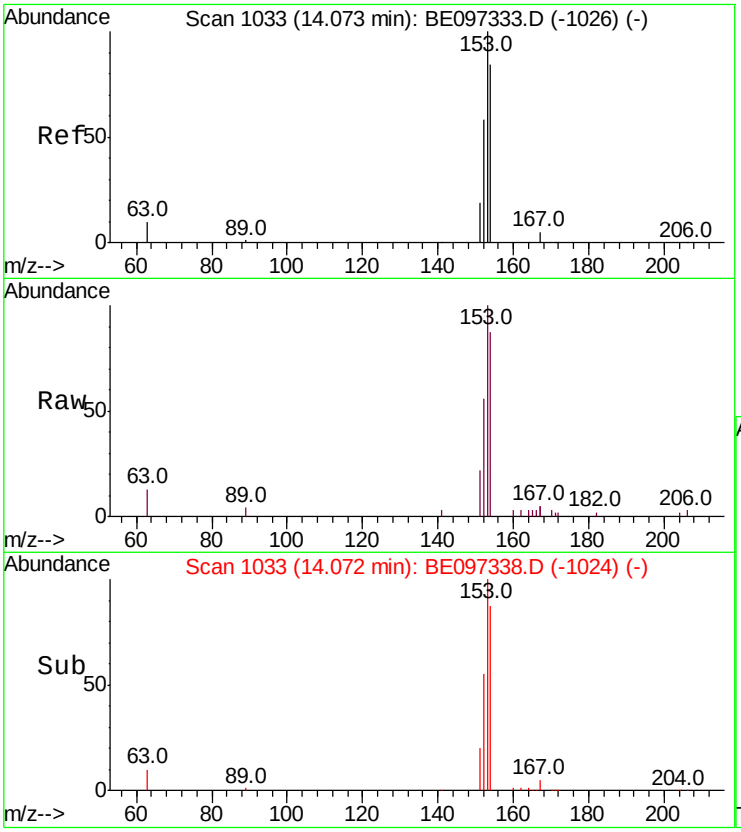




#16
Acenaphthylene
Concen: 0.455 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:152 Resp: 3253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 15.7 | 23.5 |
| 153 | 13.1 | 10.5 | 15.7 |



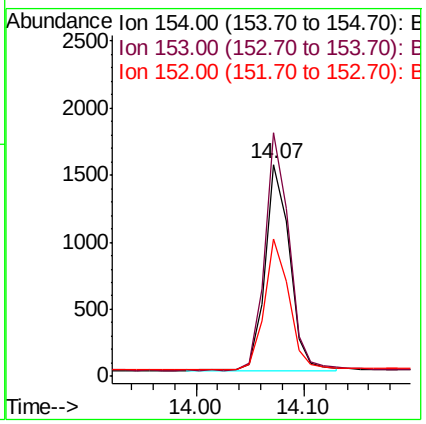


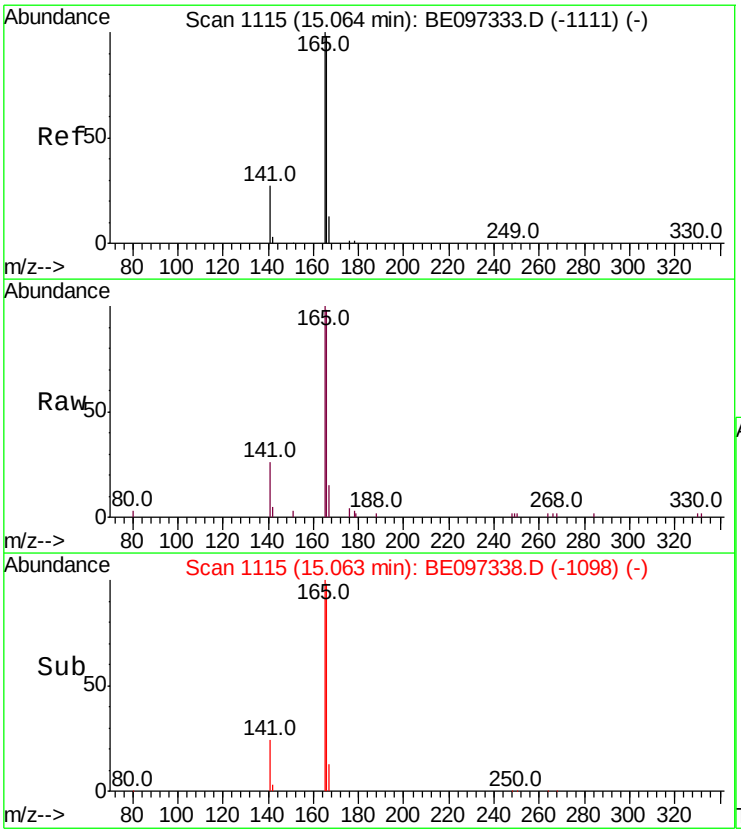

#17
Acenaphthene
Concen: 0.483 ng
RT: 14.07 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:154 Resp: 2441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.6 | 89.2 | 133.8 |
| 152 | 63.5 | 42.0 | 63.0# |

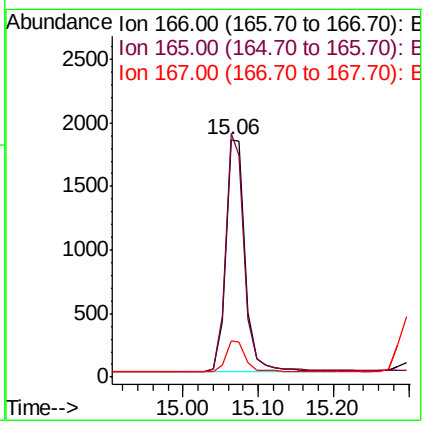


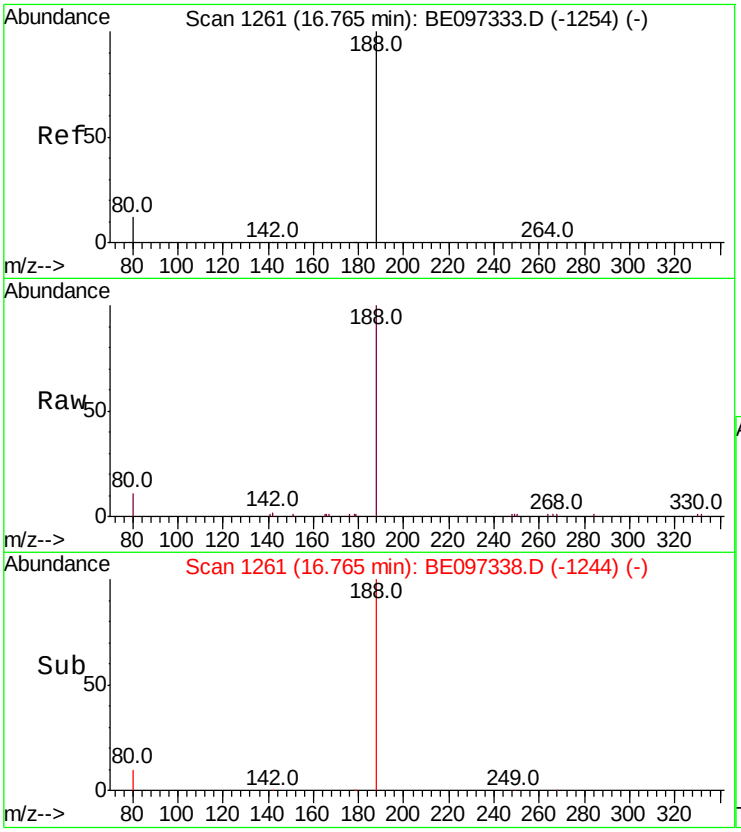




#18
Fluorene
Concen: 0.539 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:166 Resp: 3329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.0 | 77.8 | 116.6 |
| 167 | 12.9 | 42.4 | 63.6# |



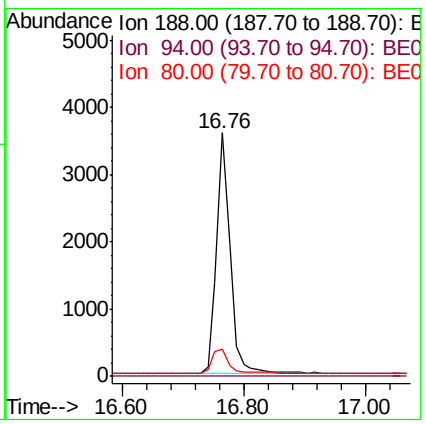


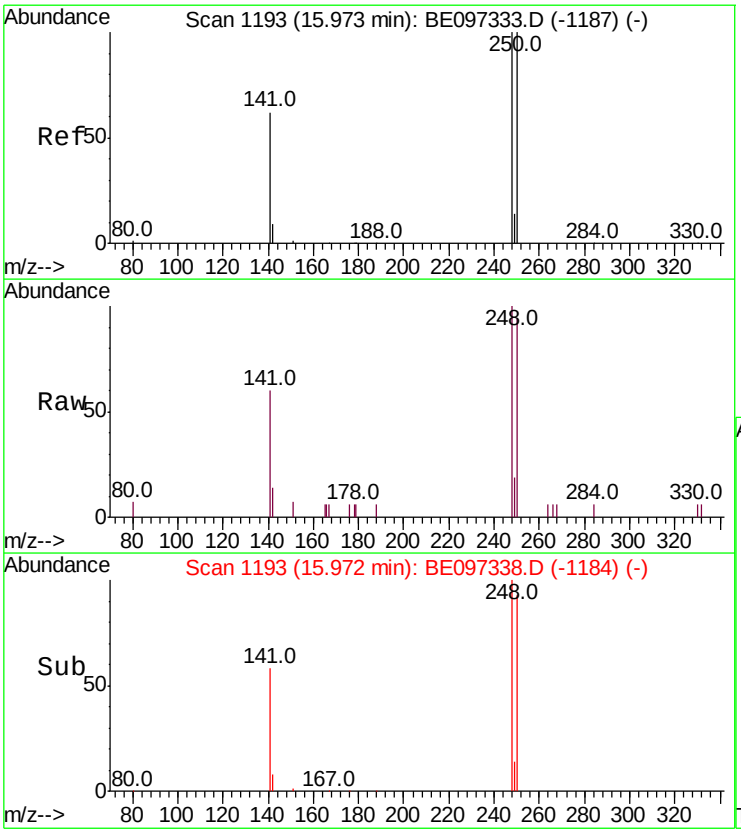

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.76 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:188 Resp: 5444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 11.5 | 3.6 | 5.4# |

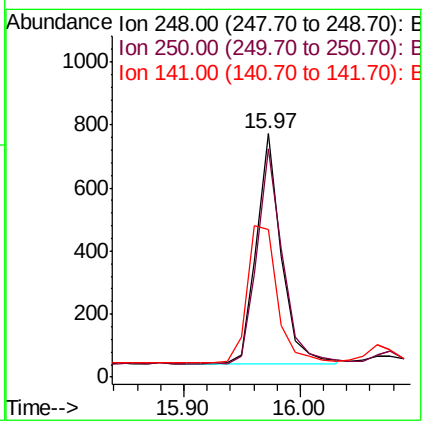


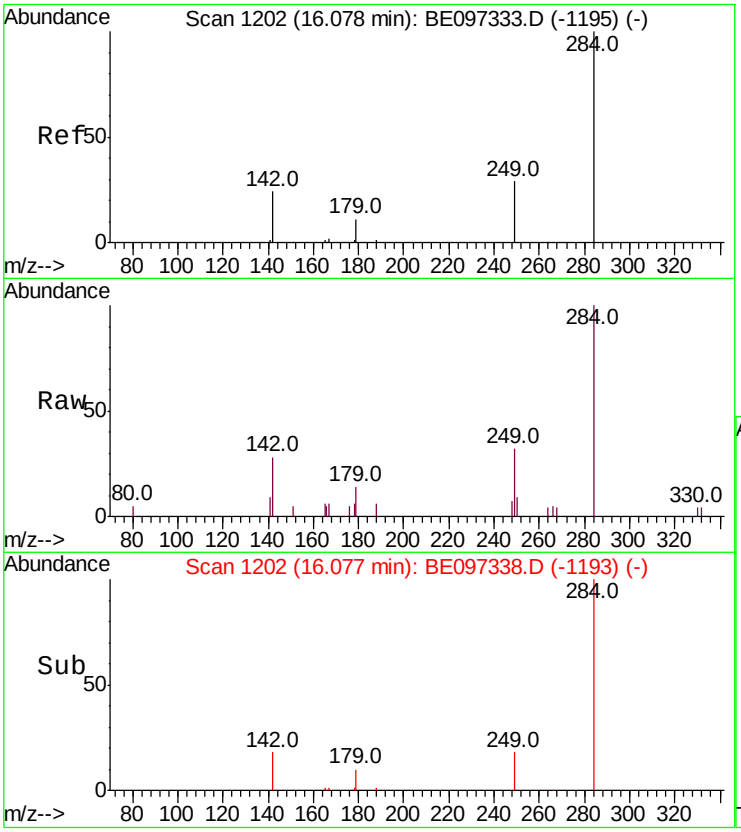




#20
4-Bromophenyl-phenylether
Concen: 0.442 ng
RT: 15.97 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:248 Resp: 1087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 93.7 | 62.7 | 94.1 |
| 141 | 60.5 | 48.2 | 72.2 |



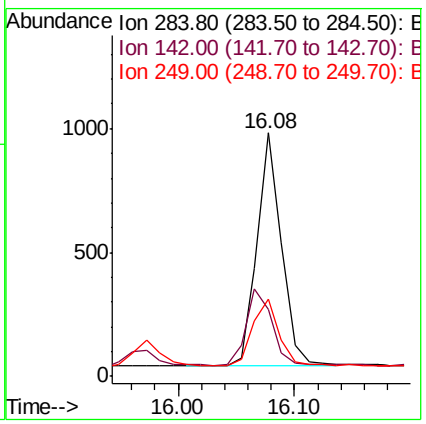


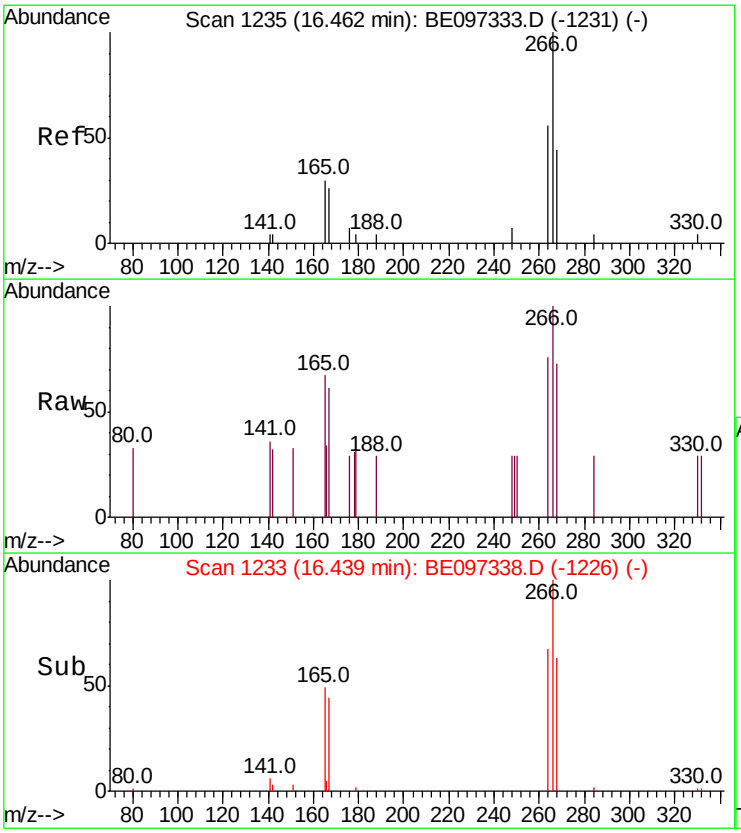

#21
Hexachlorobenzene
Concen: 0.417 ng
RT: 16.08 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:284 Resp: 1374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 34.8 | 22.1 | 33.1# |
| 249 | 30.1 | 34.8 | 52.2# |

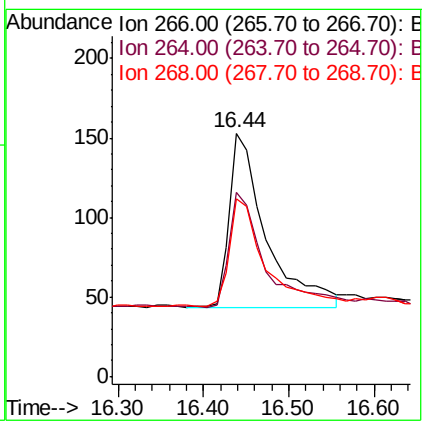


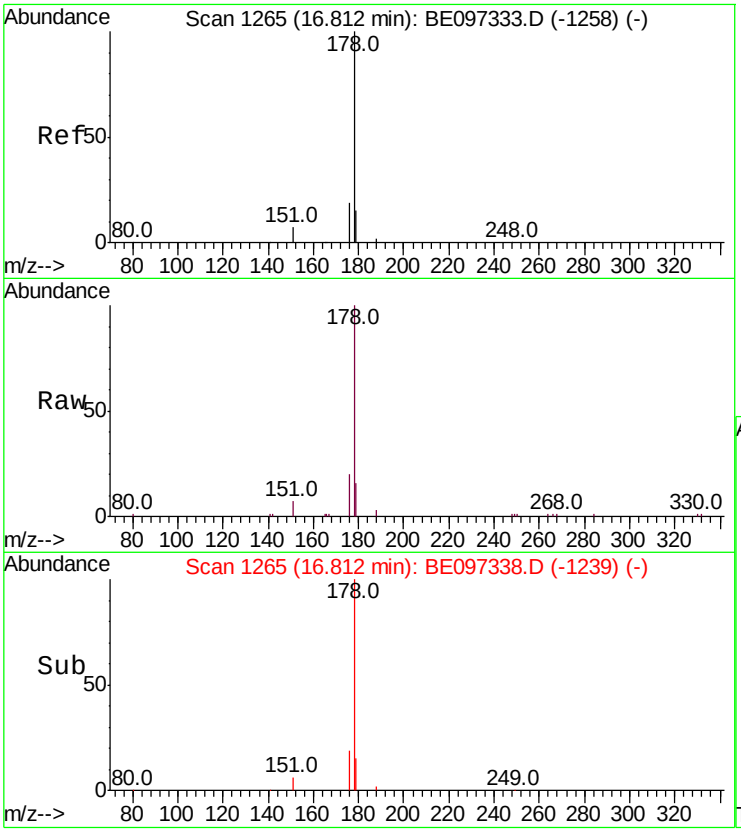




#22
Pentachlorophenol
Concen: 1.060 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.02 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:266 Resp: 331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 75.8 | 72.5 | 108.7 |
| 268 | 73.2 | 73.8 | 110.6# |



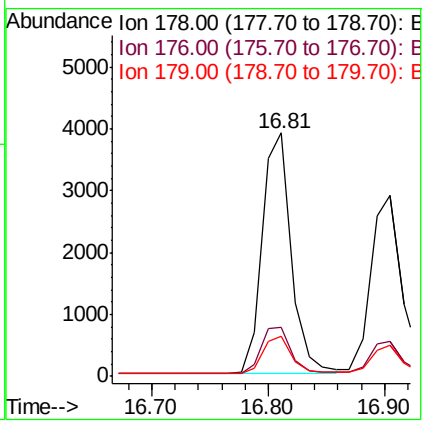


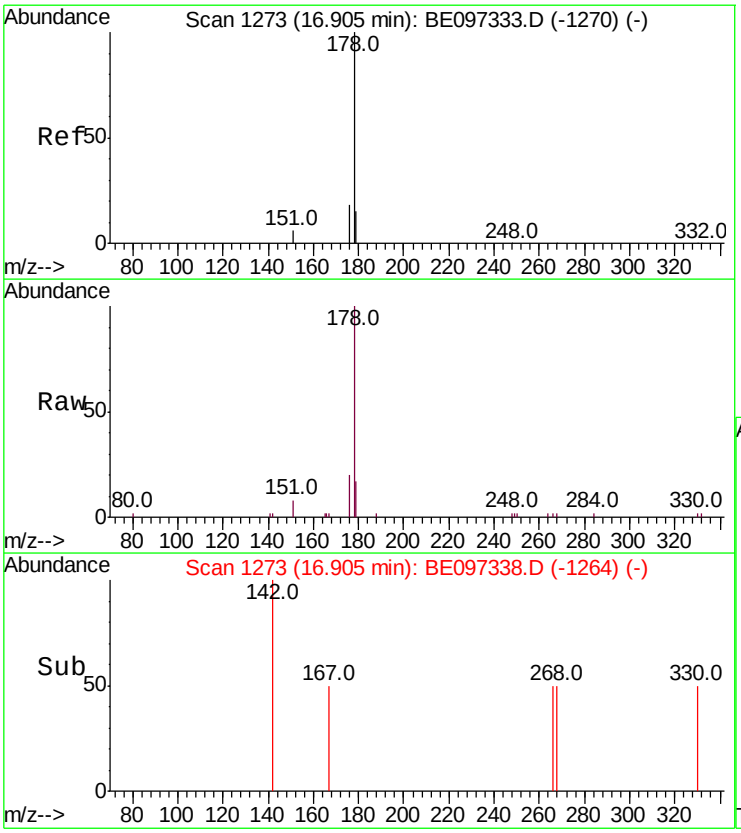

#23
Phenanthrene
Concen: 0.509 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:178 Resp: 6754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.1 | 22.7 |
| 179 | 15.3 | 11.8 | 17.6 |

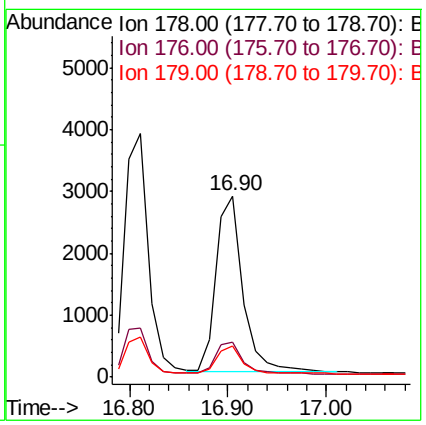


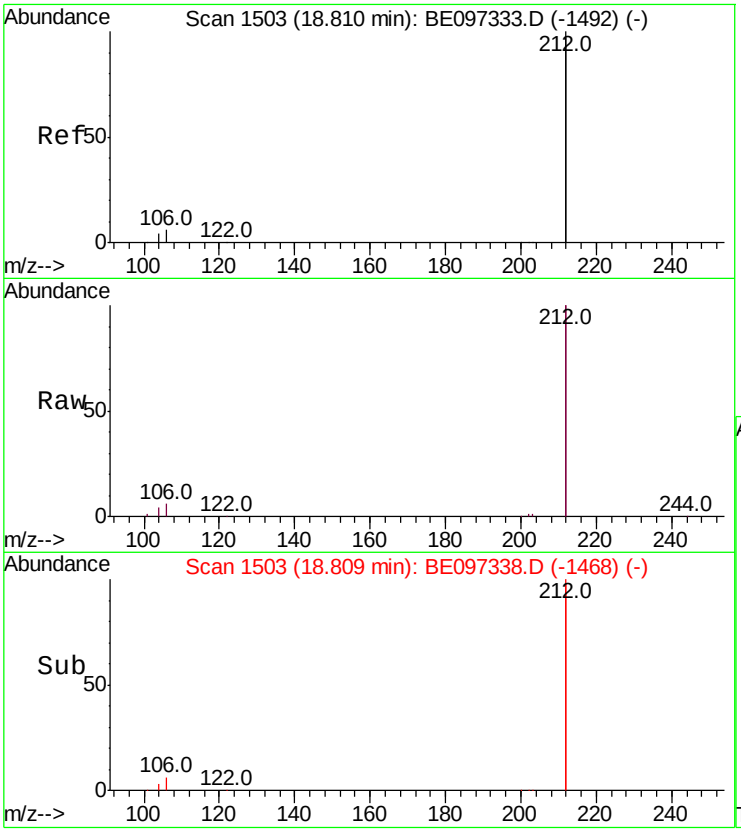




#24
Anthracene
Concen: 0.549 ng
RT: 16.90 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:178 Resp: 5398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 12.8 | 19.2 |
| 179 | 15.4 | 13.0 | 19.6 |



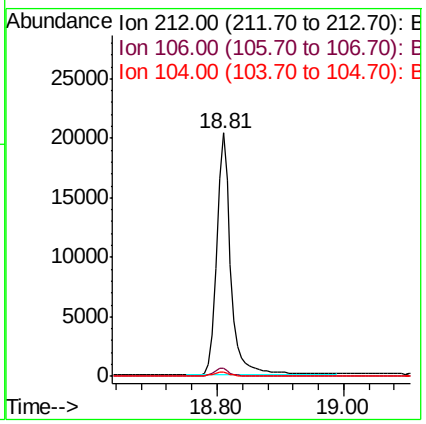


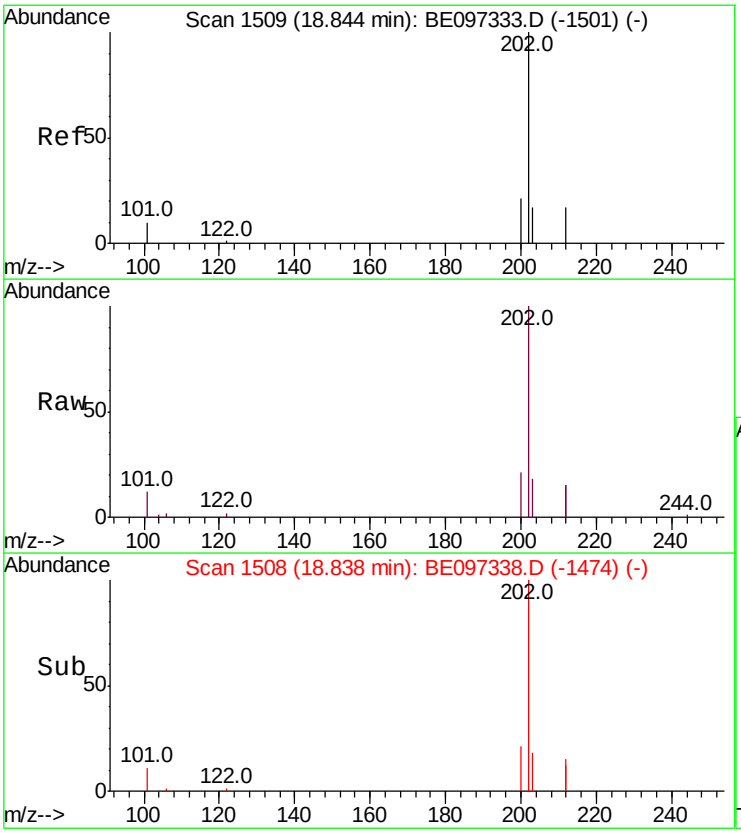

#25
Fluoranthene-d10
Concen: 0.631 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:212 Resp: 30640

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

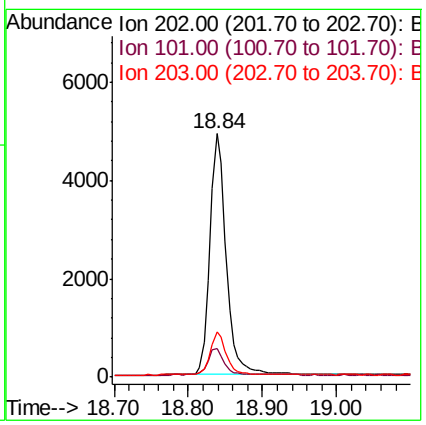


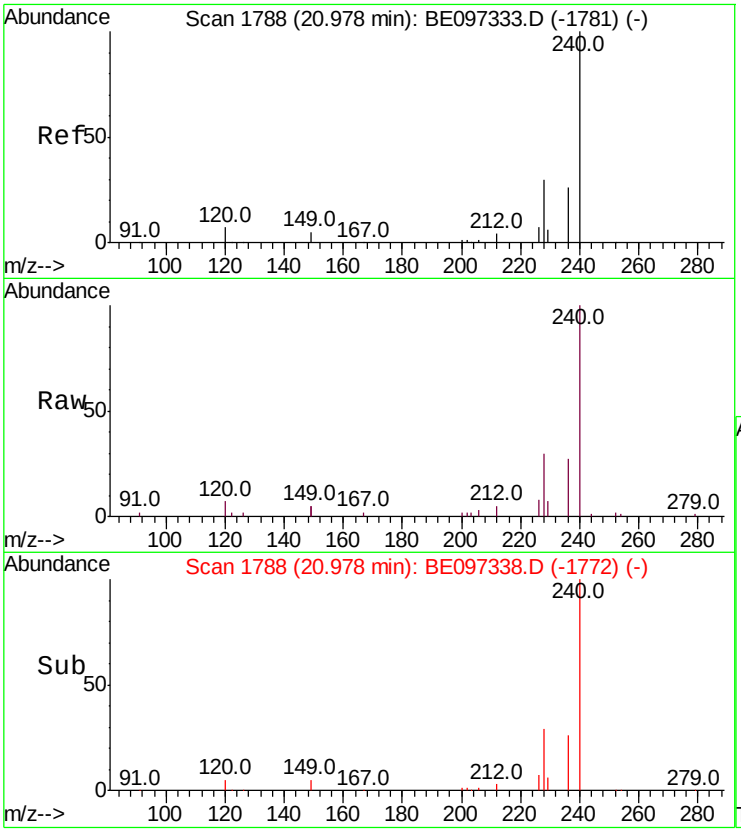




#26
Fluoranthene
Concen: 0.589 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:202 Resp: 7531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 9.8 | 14.8 |
| 203 | 17.1 | 13.7 | 20.5 |



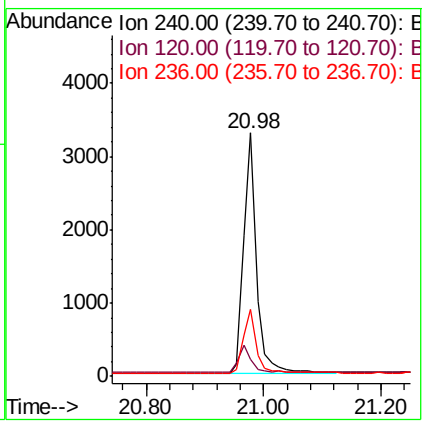


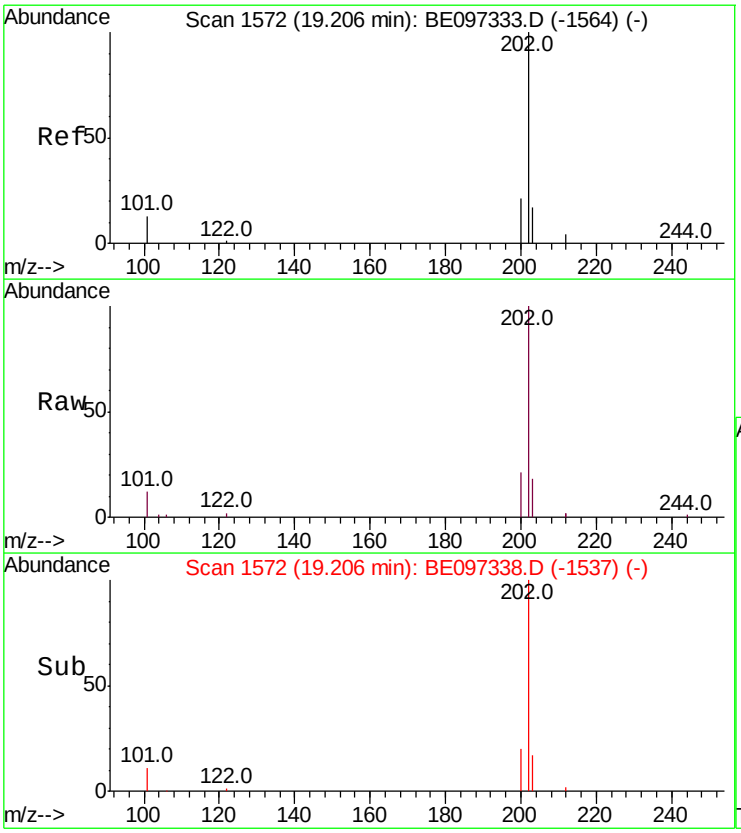

#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:240 Resp: 5045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.9 | 5.5 | 8.3 |
| 236 | 27.5 | 20.7 | 31.1 |

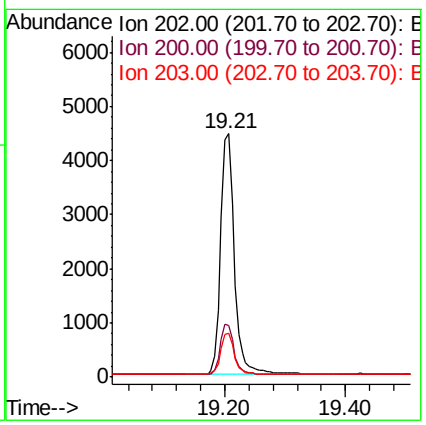


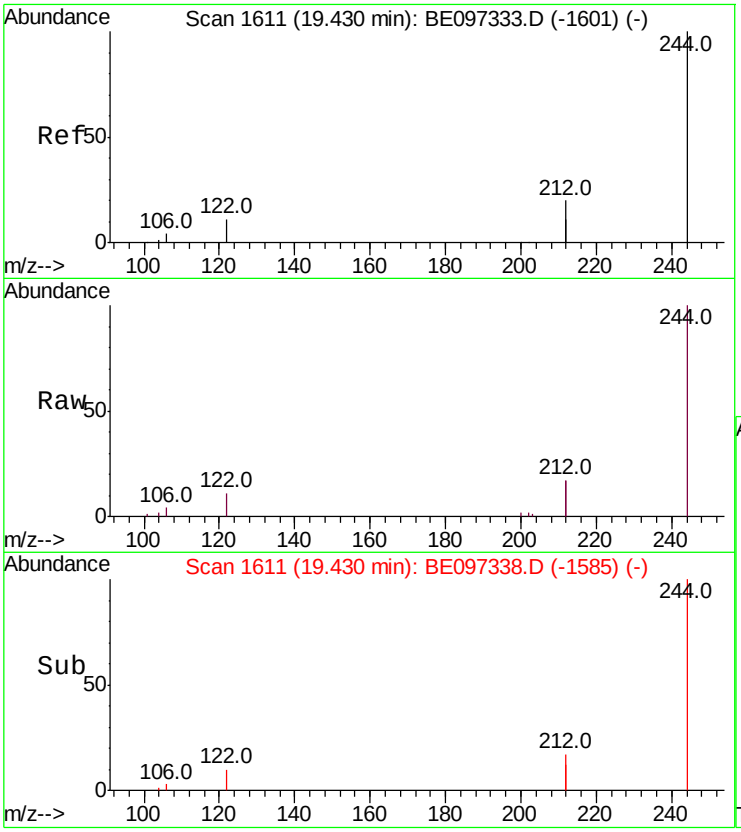




#28
Pyrene
Concen: 0.519 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:202 Resp: 7030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 16.6 | 25.0 |
| 203 | 17.7 | 13.8 | 20.8 |



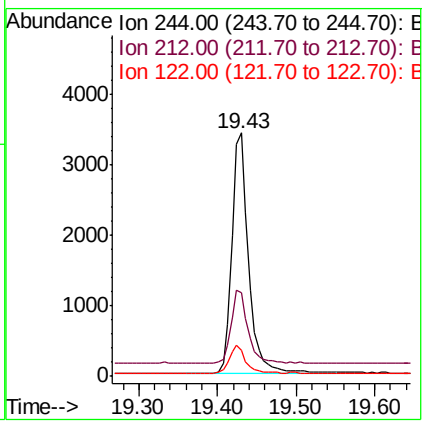


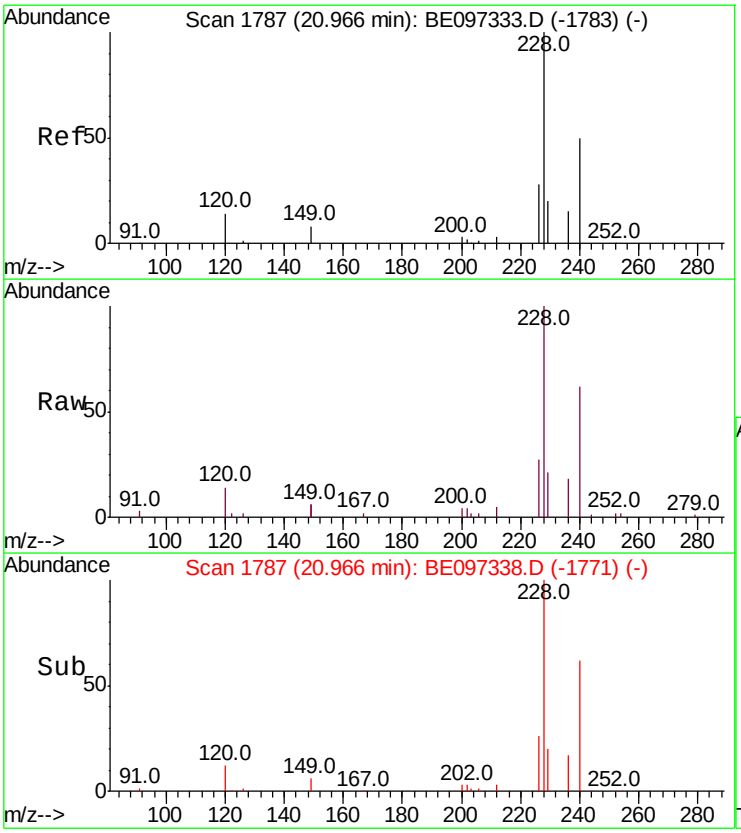

#29
Terphenyl-d14
Concen: 0.499 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:244 Resp: 5039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 34.1 | 25.4 | 38.0 |
| 122 | 10.9 | 8.1 | 12.1 |

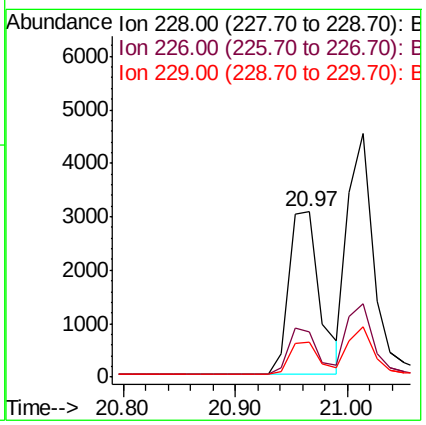


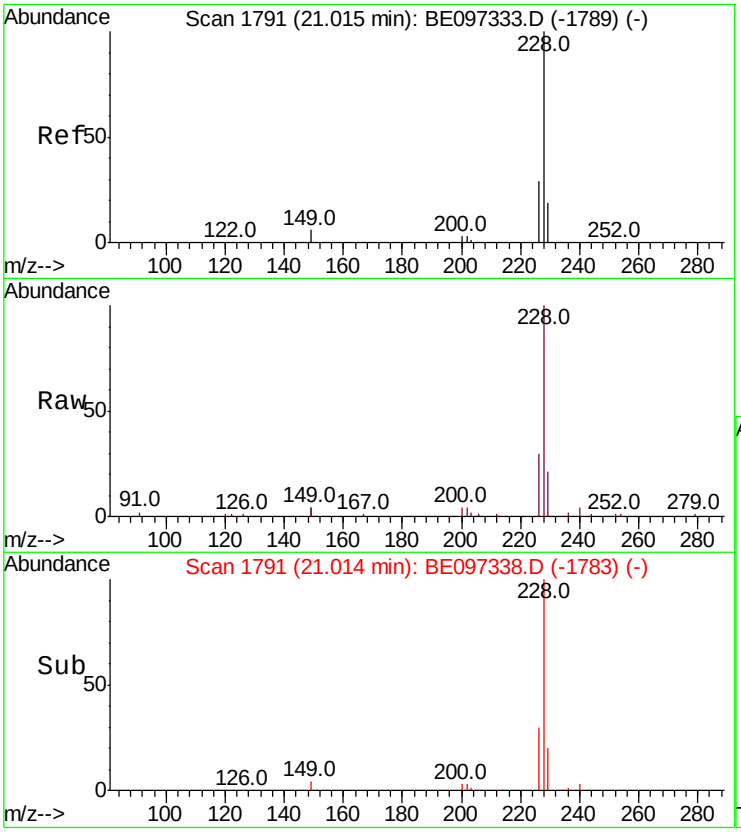




#30
Benzo(a)anthracene
Concen: 0.538 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:228 Resp: 5830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 24.0 | 36.0 |
| 229 | 21.3 | 16.0 | 24.0 |



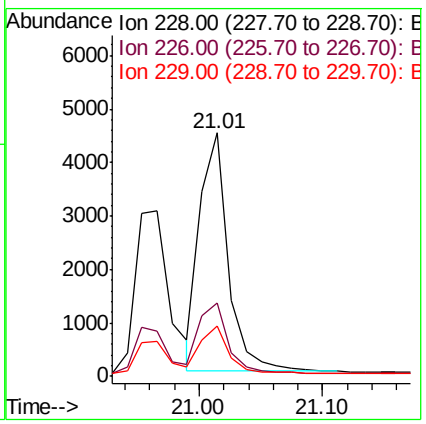


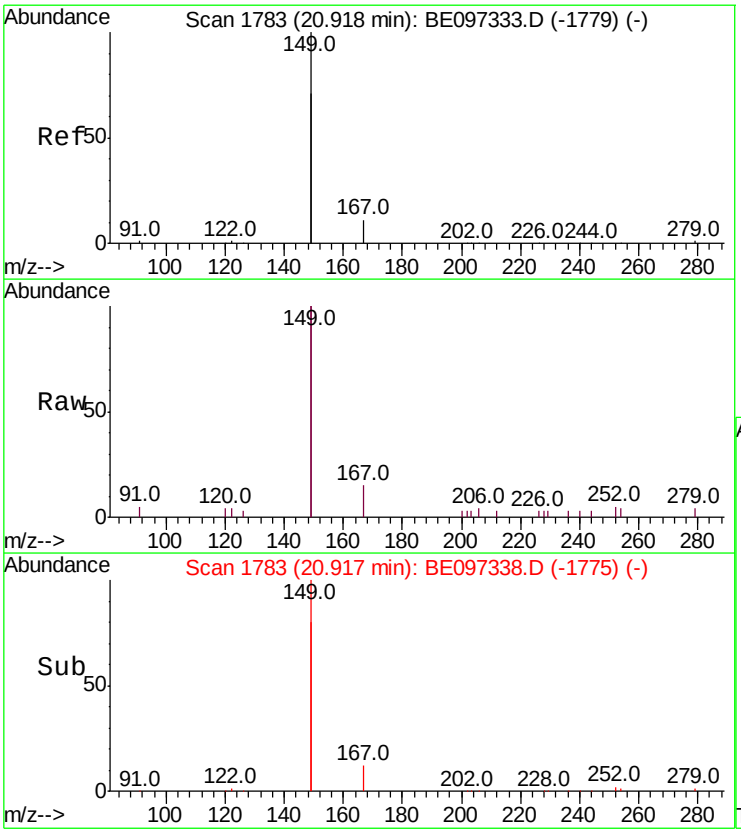

#31
Chrysene
Concen: 0.507 ng
RT: 21.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:228 Resp: 7203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.0 | 36.0 |
| 229 | 20.8 | 16.0 | 24.0 |

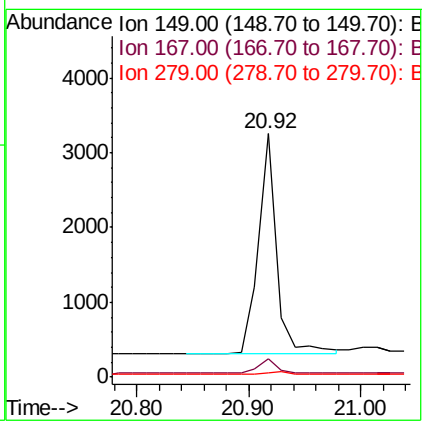


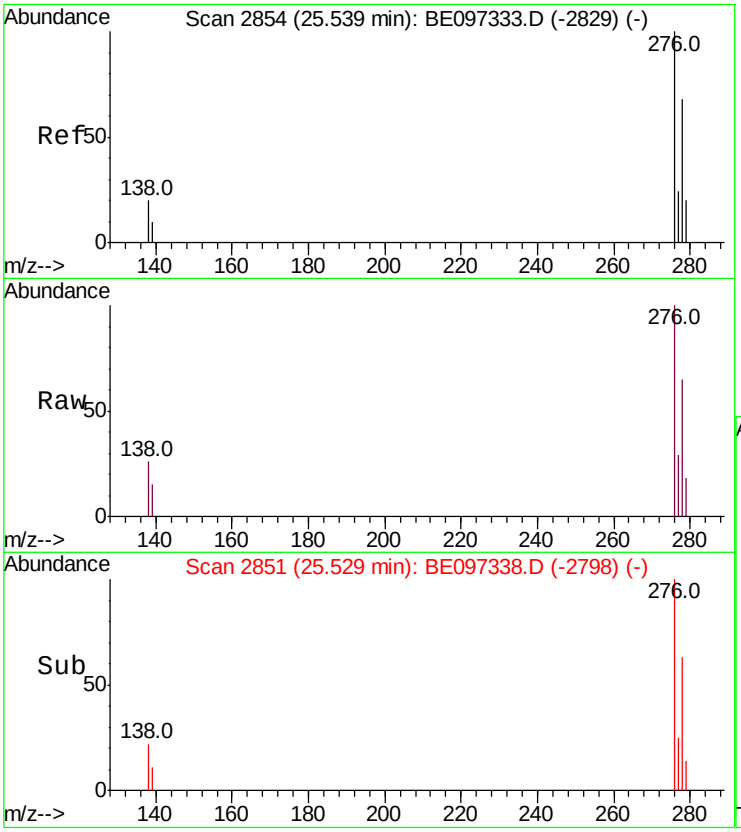




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.555 ng
RT: 20.92 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:149 Resp: 3353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.4 | 5.4 | 8.0 |
| 279 | 1.1 | 0.7 | 1.1# |



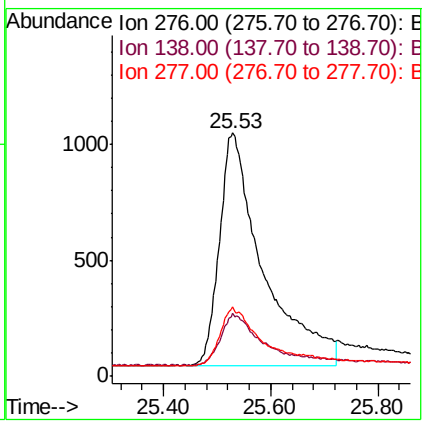


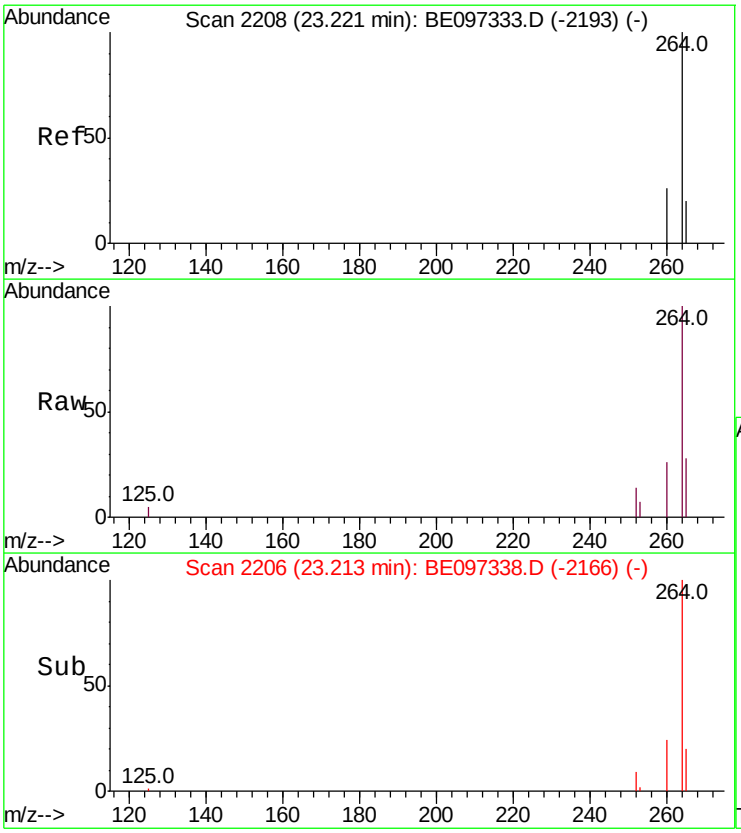

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.629 ng
RT: 25.53 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:276 Resp: 5685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.1 | 22.5 | 33.7# |
| 277 | 22.7 | 19.9 | 29.9 |

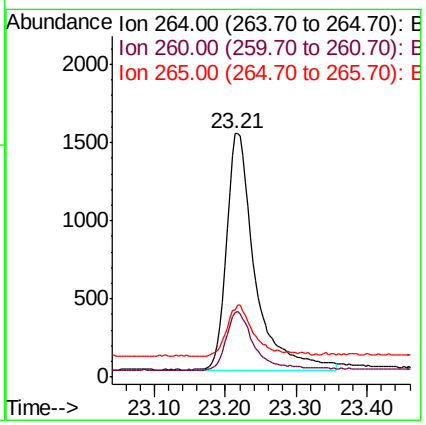


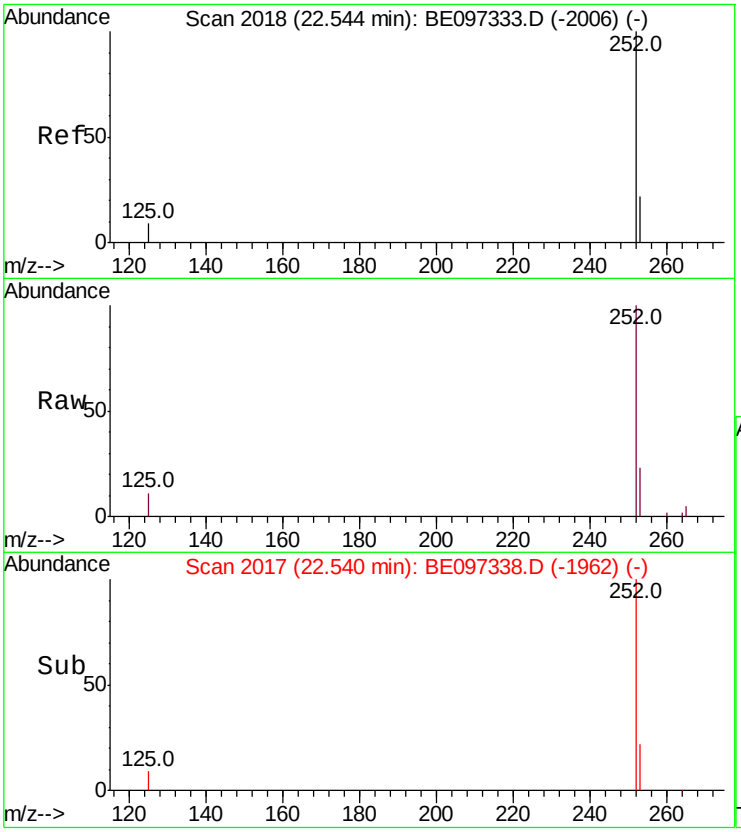




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:264 Resp: 4160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.5 | 20.5 | 30.7 |
| 265 | 27.6 | 22.8 | 34.2 |



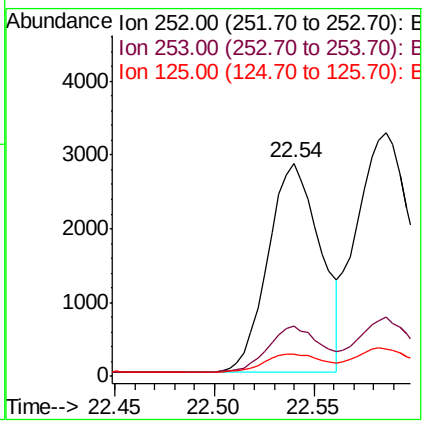


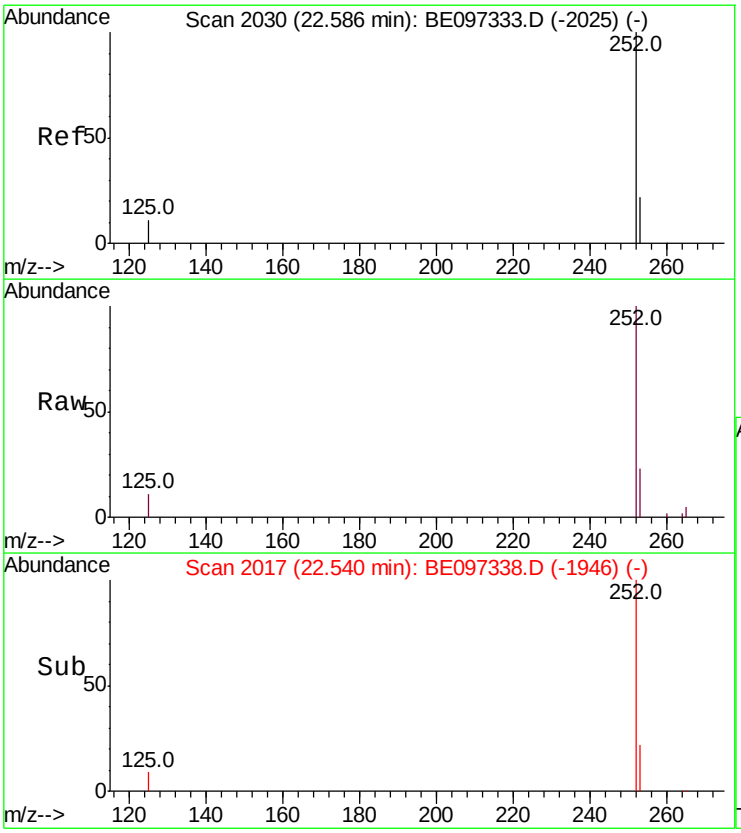

#35
Benzo(b)fluoranthene
Concen: 0.472 ng
RT: 22.54 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:252 Resp: 5176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 20.0 | 30.0 |
| 125 | 10.7 | 16.0 | 24.0# |

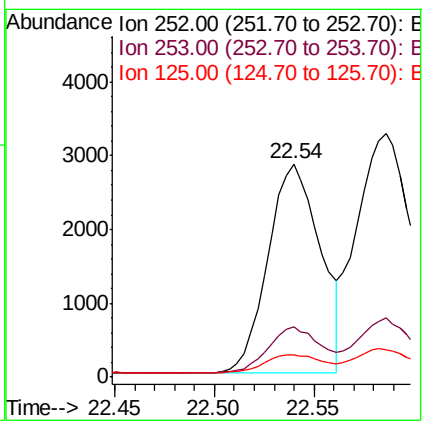


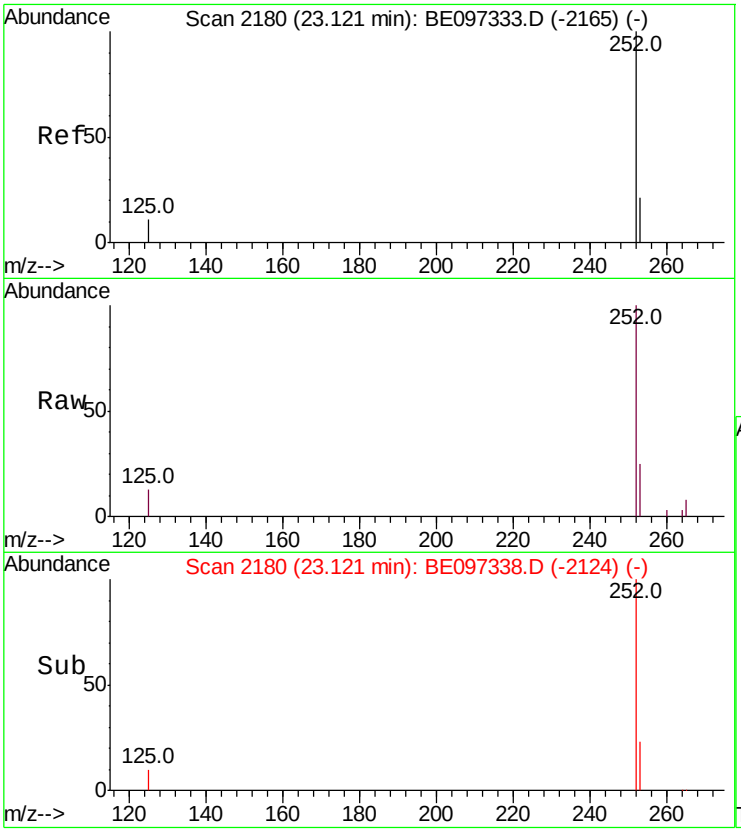




#36
Benzo(k)fluoranthene
Concen: 0.336 ng
RT: 22.54 min Scan# 2017
Delta R.T. -0.05 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:252 Resp: 5176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 16.0 | 24.0 |
| 125 | 10.7 | 8.0 | 12.0 |



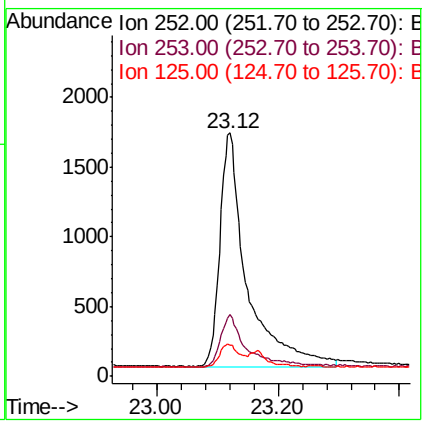


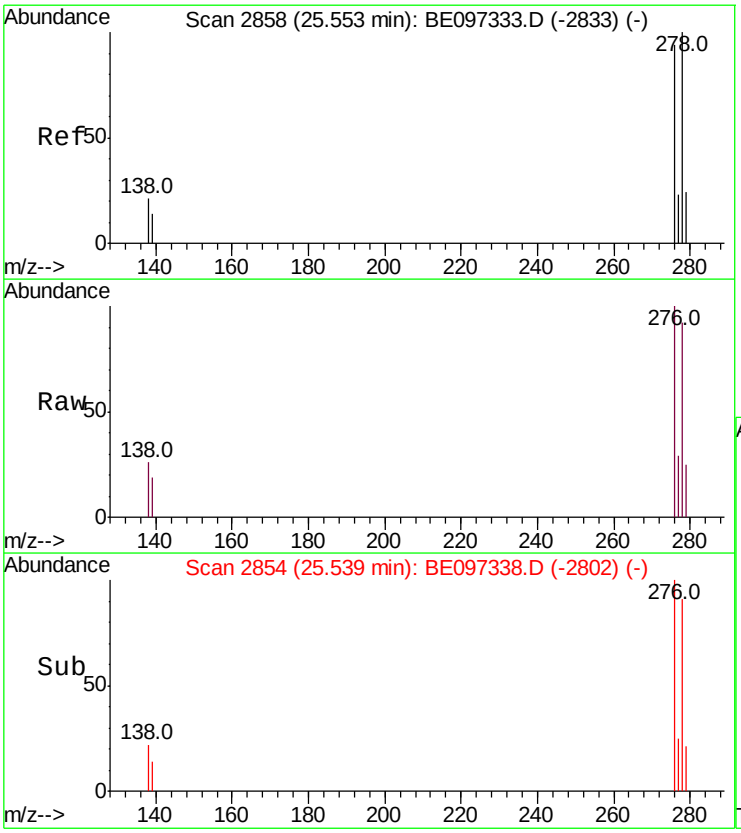

#37
Benzo(a)pyrene
Concen: 0.525 ng
RT: 23.12 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:252 Resp: 5243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 16.0 | 24.0# |
| 125 | 13.0 | 12.0 | 18.0 |

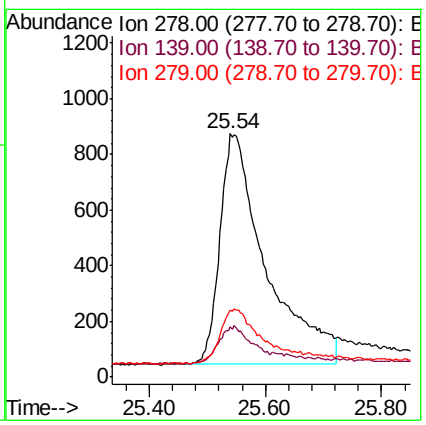


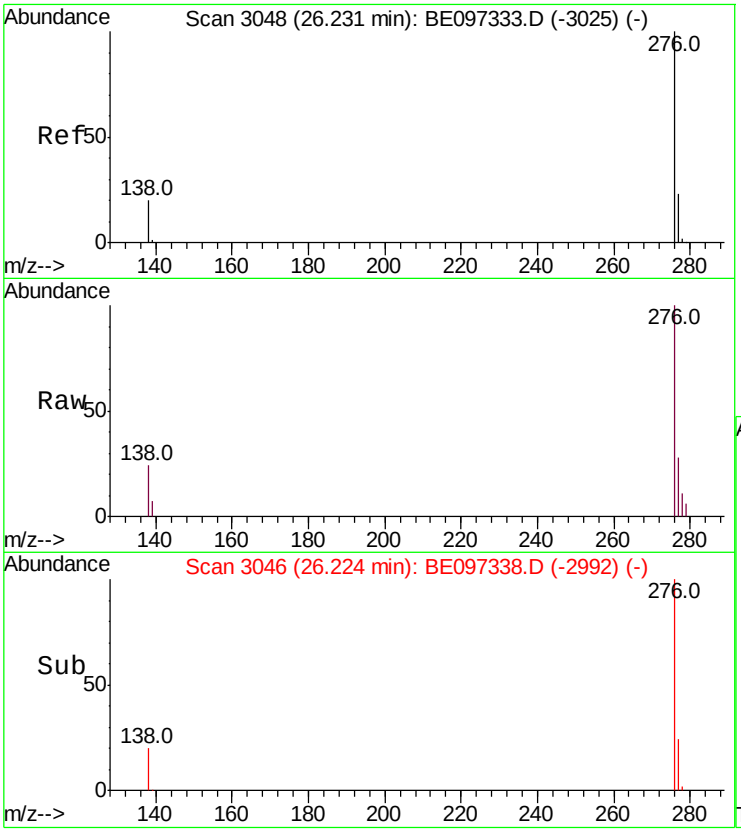




#38
Dibenzo(a,h)anthracene
Concen: 0.536 ng
RT: 25.54 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

Tgt Ion:278 Resp: 4573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 20.6 | 16.0 | 24.0 |
| 279 | 27.8 | 20.0 | 30.0 |






#39
Benzo(g,h,i)perylene
Concen: 0.523 ng
RT: 26.22 min Scan# 3046
Delta R.T. -0.01 min
Lab File: BE097338.D
Acq: 20 Aug 2018 18:50

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

Tgt Ion:276 Resp: 4502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.0 | 16.0 | 24.0# |
| 138 | 24.3 | 20.0 | 30.0 |