Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090380.D
Acq On : 6 Aug 2015 7:55
Operator : TP/UM
Sample : G3180-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** 080315-D506-E-U-S

Quant Time: Aug 06 08:31:13 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 02:22:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.59 | 152 | 20538 | 5.00 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.34 | 136 | 89889 | 5.00 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.20 | 164 | 50647 | 5.00 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 16.95 | 188 | 120817 | 5.00 | ng | | 0.00 |
| 25) Chrysene-d12 | 21.10 | 240 | 146523 | 5.00 | ng | | 0.00 |
| 32) Perylene-d12 | 23.40 | 264 | 132578 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.22 | 112 | 10020 | 2.77 | ng | | 0.00 |
| 5) Phenol-d6 | 6.77 | 99 | 8646 | 1.50 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.73 | 82 | 25077 | 3.49 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.71 | 330 | 9906 | 6.86 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.82 | 172 | 65229 | 4.68 | ng | | 0.00 |
| 27) Terphenyl-d14 | 19.56 | 244 | 124284 | 5.76 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.19 | 88 | 74 | Below Cal | | # | 37 |
| 8) Nitrobenzene | 8.80 | 77 | 10 | 0.21 | ng | # | 18 |
| 10) Hexachlorobutadiene | 10.68 | 225 | 7 | Below Cal | | # | 53 |
| 21) Pentachlorophenol | 16.61 | 266 | 33 | 0.11 | ng | # | 72 |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 1797 | 0.34 | ng | # | 98 |
| 31) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 205 | 0.26 | ng | | 98 |
| 33) Benzo(b)fluoranthene | 22.70 | 252 | 249 | 0.20 | ng | # | 1 |
| 35) Benzo(a)pyrene | 23.30 | 252 | 194 | 0.23 | ng | # | 1 |
| 36) Dibenzo(a,h)anthracene | 25.81 | 278 | 128 | 0.29 | ng | # | 1 |

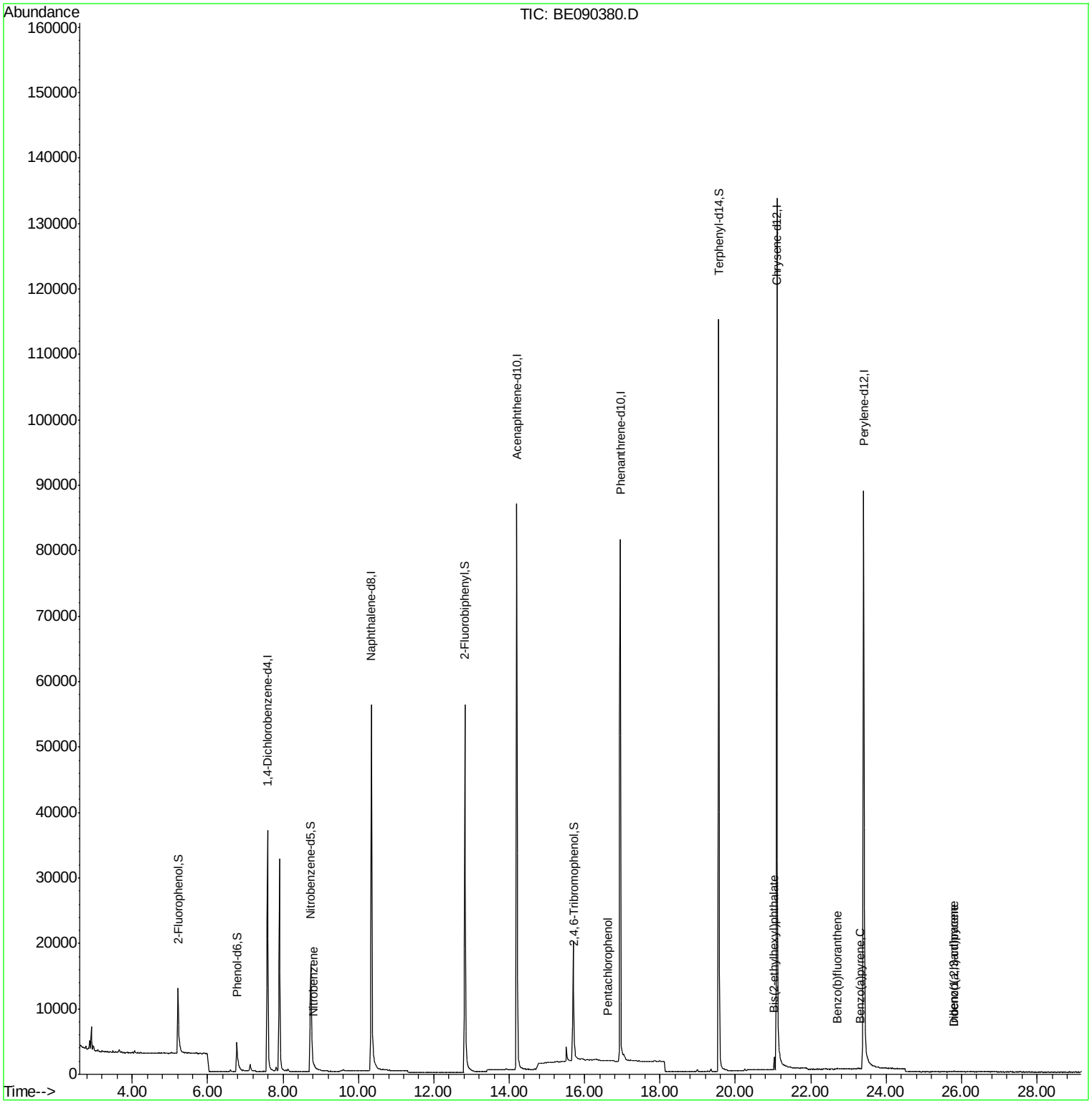
(#) = qualifier out of range (m) = manual integration (+) = signals summed

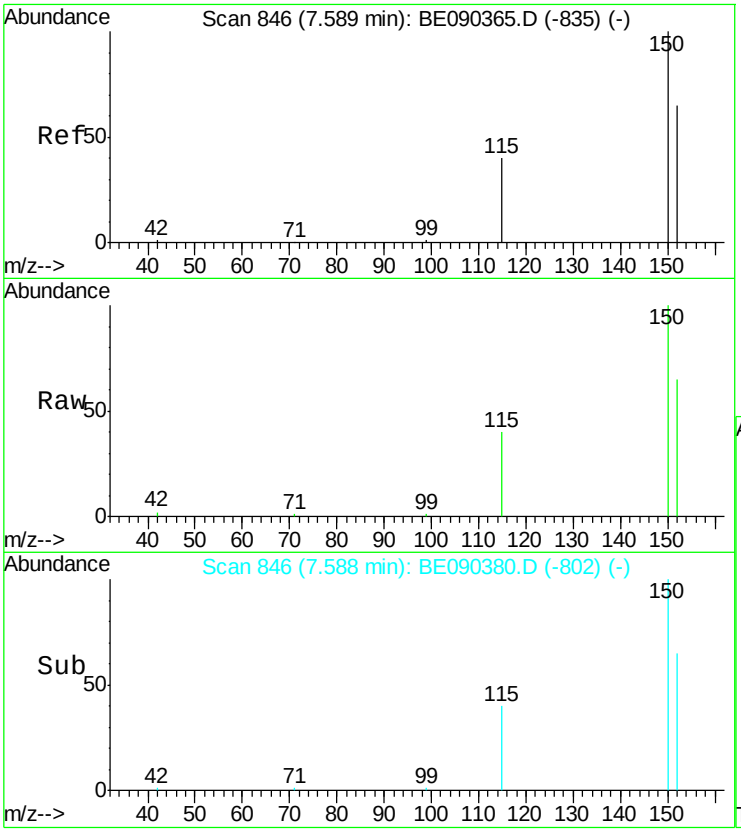
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080515\
Data File : BE090380.D
Acq On : 6 Aug 2015 7:55
Operator : TP/UM
Sample : G3180-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Quant Time: Aug 06 08:31:13 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 02:22:05 2015
Response via : Initial Calibration



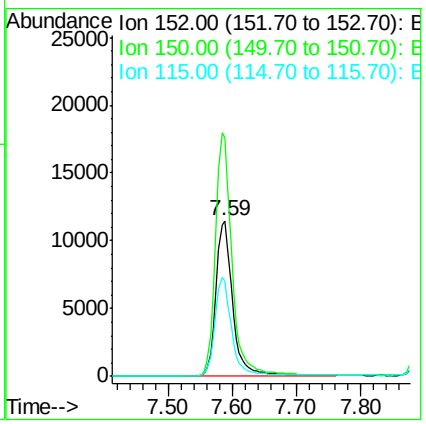


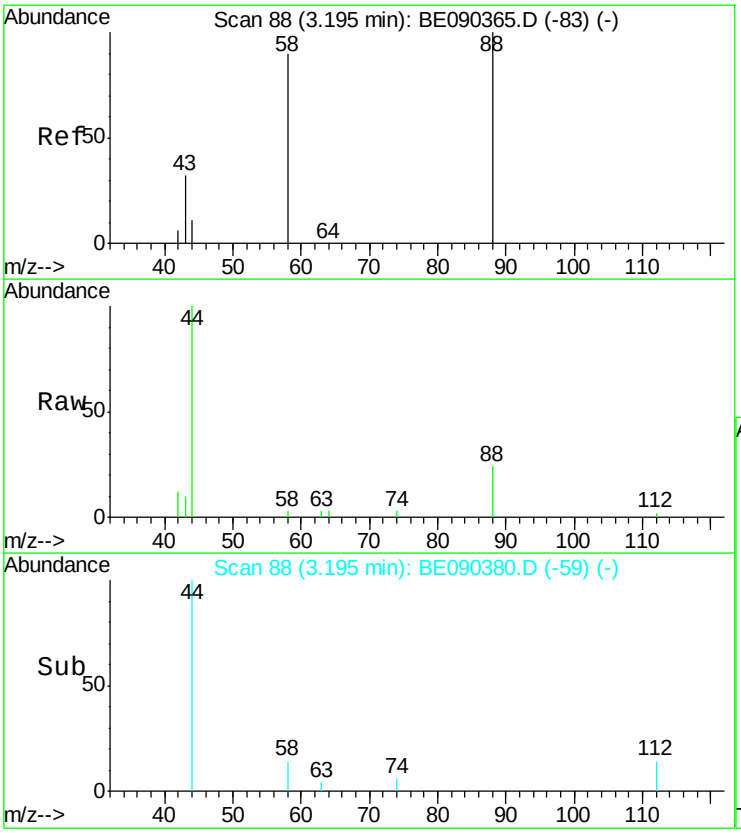

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.59 min Scan# 846
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:152 Resp: 20538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.7 | 123.0 | 184.4 |
| 115 | 61.1 | 48.9 | 73.3 |

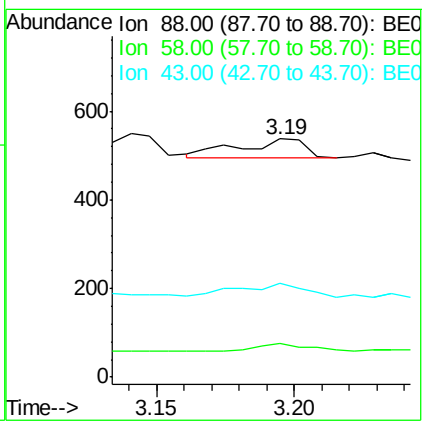


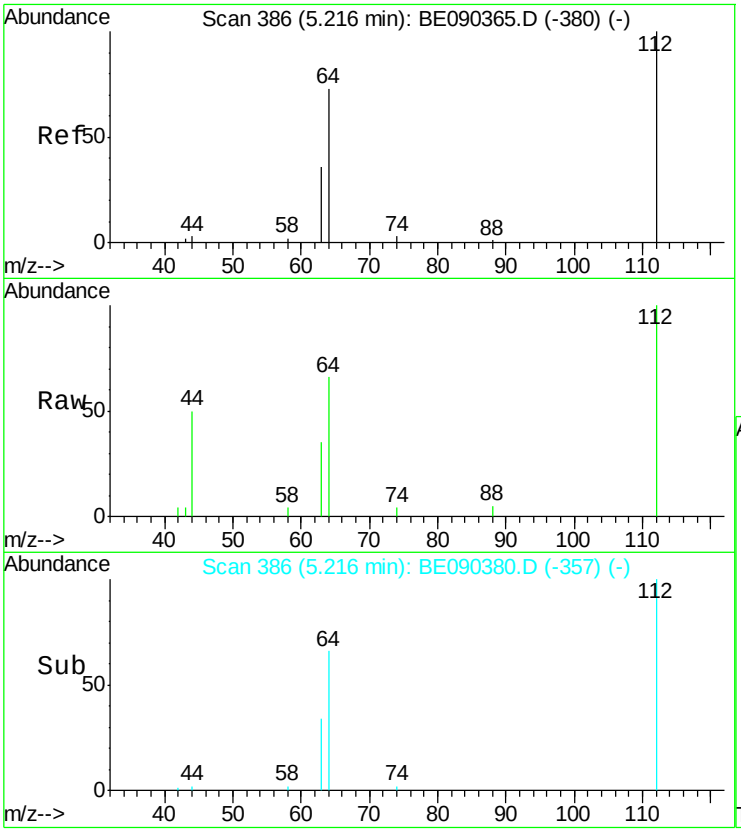




#2
1,4-Dioxane
Concen: Below Cal
RT: 3.19 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion: 88 Resp: 74

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 35.1 | 70.0 | 105.0# |
| 43 | 81.1 | 28.4 | 42.6# |



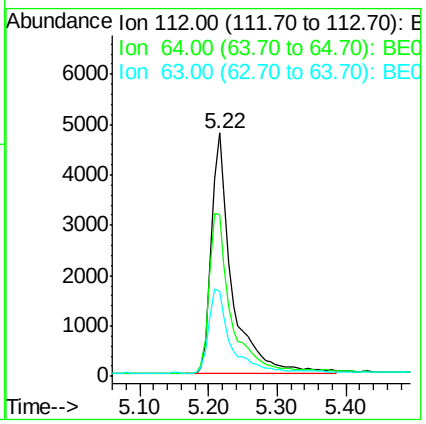


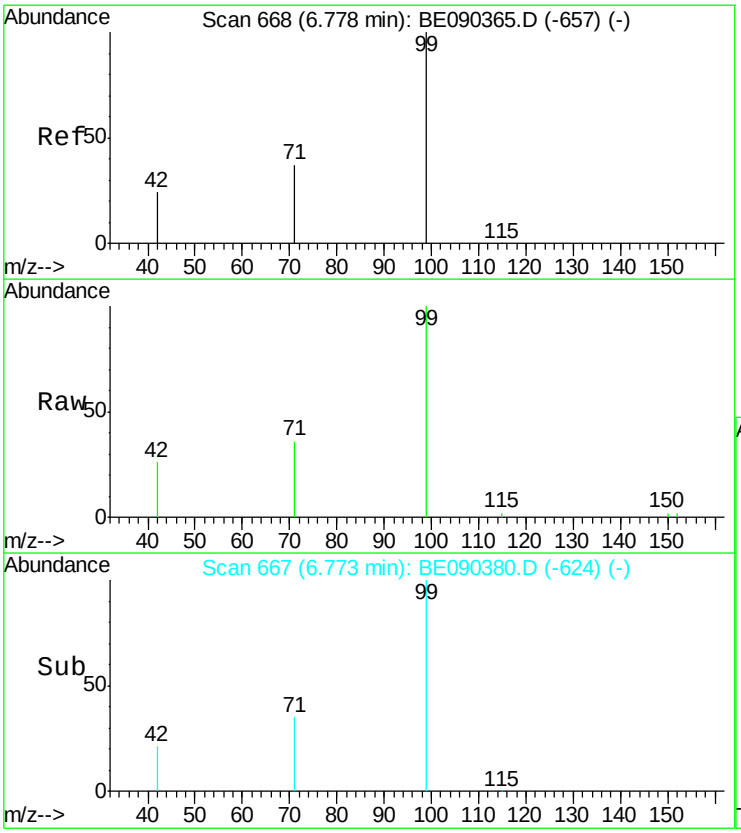

#4
2-Fluorophenol
Concen: 2.77 ng
RT: 5.22 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:112 Resp: 10020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.0 | 37.1 | 55.7# |
| 63 | 37.8 | 19.5 | 29.3# |

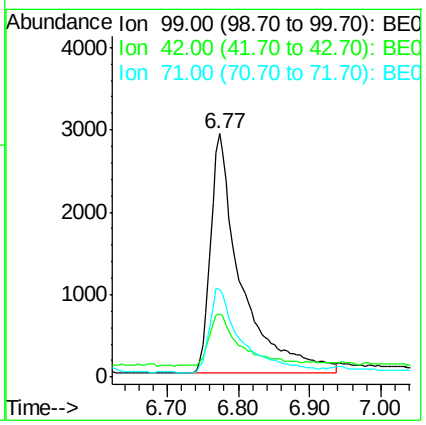


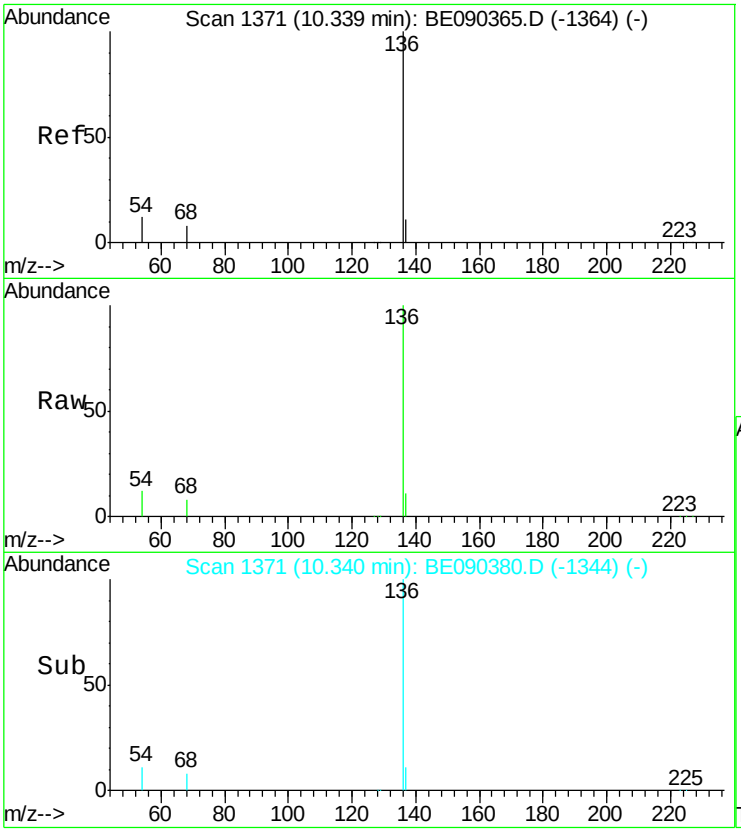




#5
Phenol-d6
Concen: 1.50 ng
RT: 6.77 min Scan# 667
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion: 99 Resp: 8646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.3 | 18.2 | 27.4 |
| 71 | 36.3 | 27.4 | 41.0 |



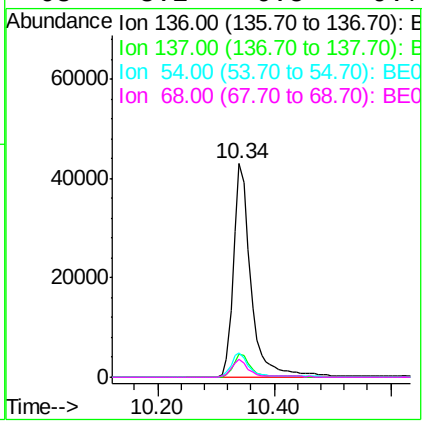


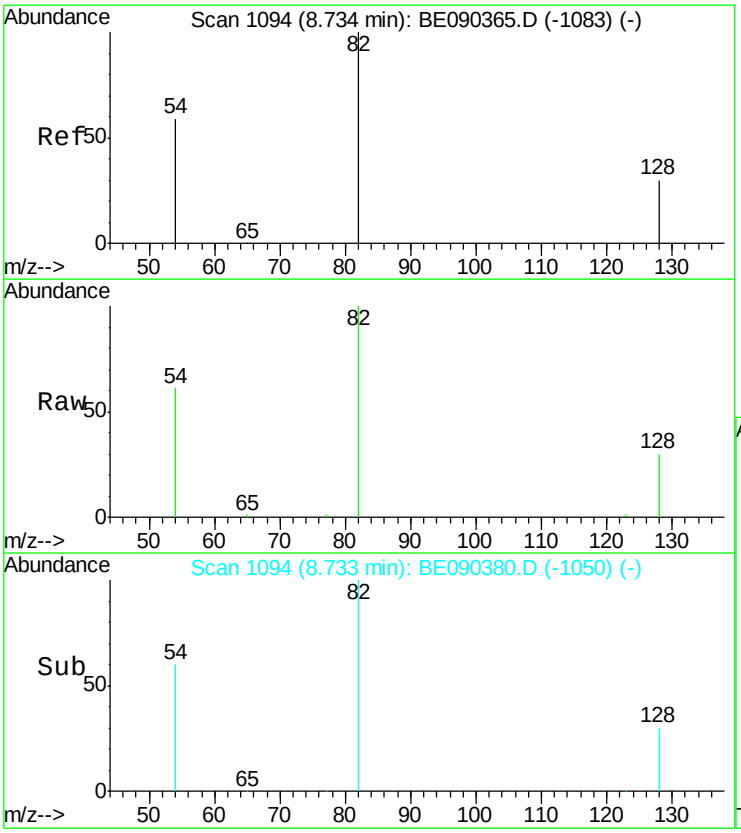

#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:136 Resp: 89889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 11.6 | 9.4 | 14.0 |
| 68 | 8.2 | 6.5 | 9.7 |

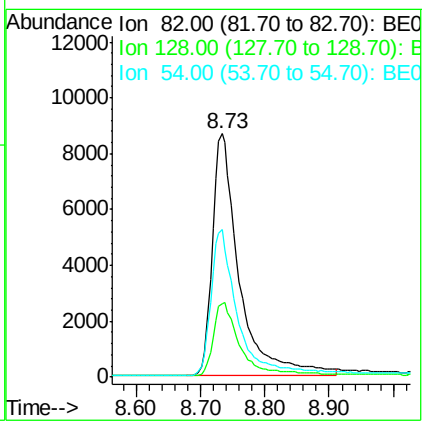


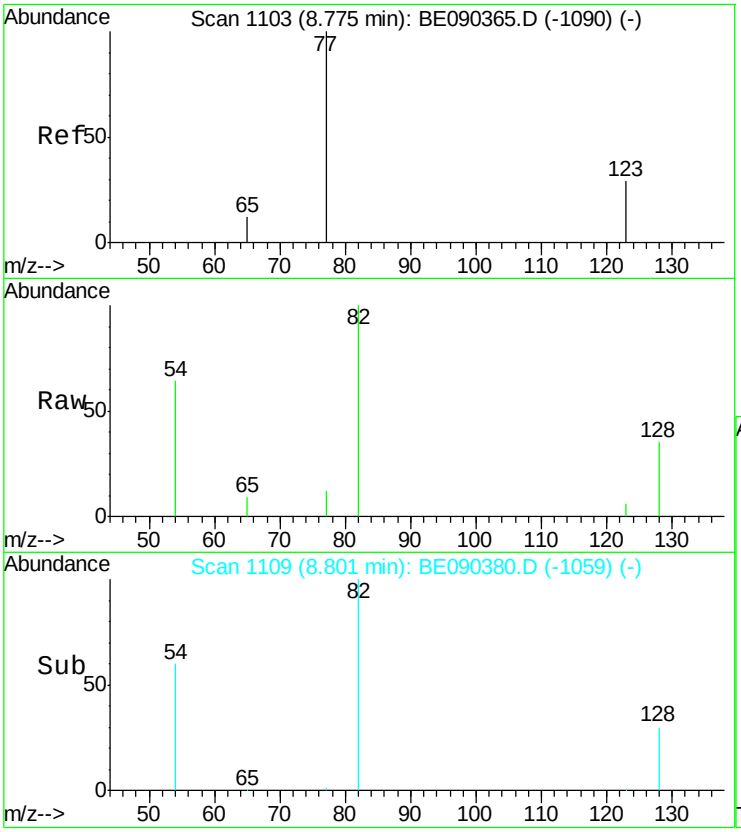




#7
Nitrobenzene-d5
Concen: 3.49 ng
RT: 8.73 min Scan# 1094
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion: 82 Resp: 25077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 30.3 | 25.0 | 37.6 |
| 54 | 60.7 | 48.8 | 73.2 |



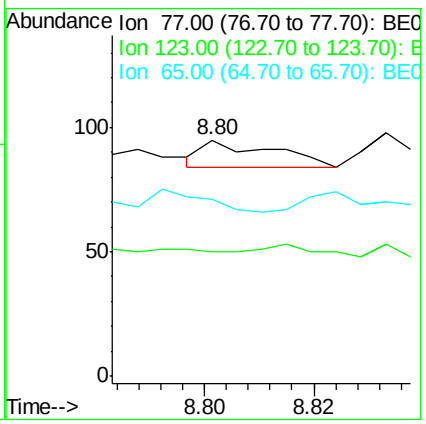


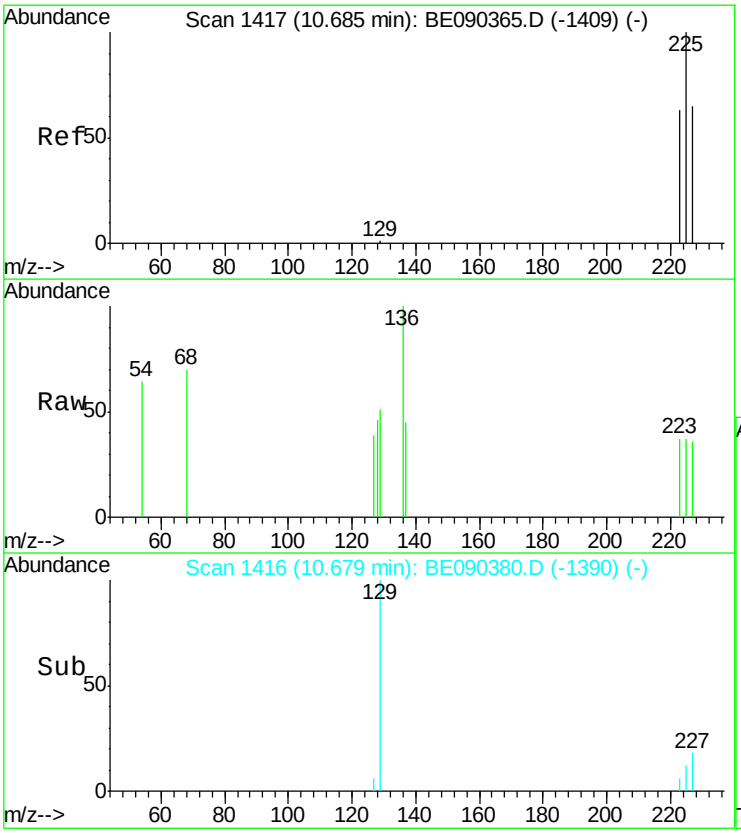

#8
Nitrobenzene
Concen: 0.21 ng
RT: 8.80 min Scan# 1109
Delta R.T. 0.03 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion: 77 Resp: 10

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 25.1 | 37.7# |
| 65 | 70.0 | 9.3 | 13.9# |

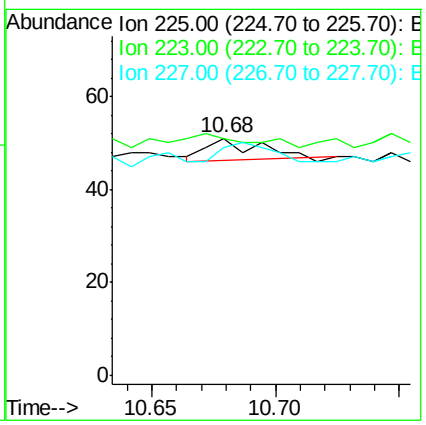


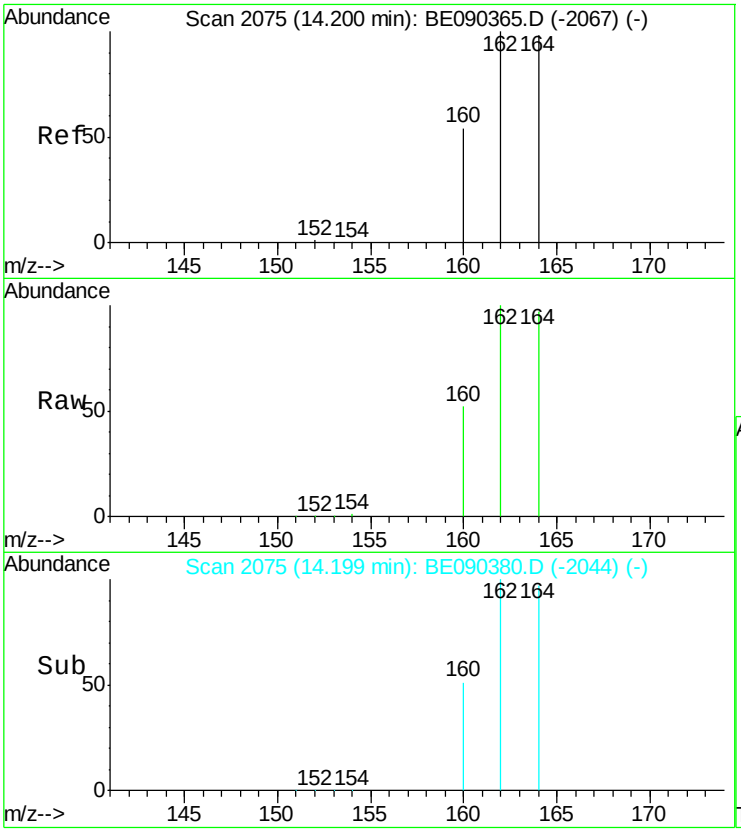




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.68 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:225 Resp: 7

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 128.6 | 50.6 | 75.8# |
| 227 | 71.4 | 50.7 | 76.1 |



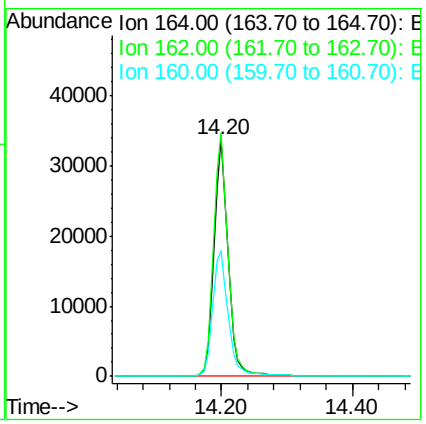


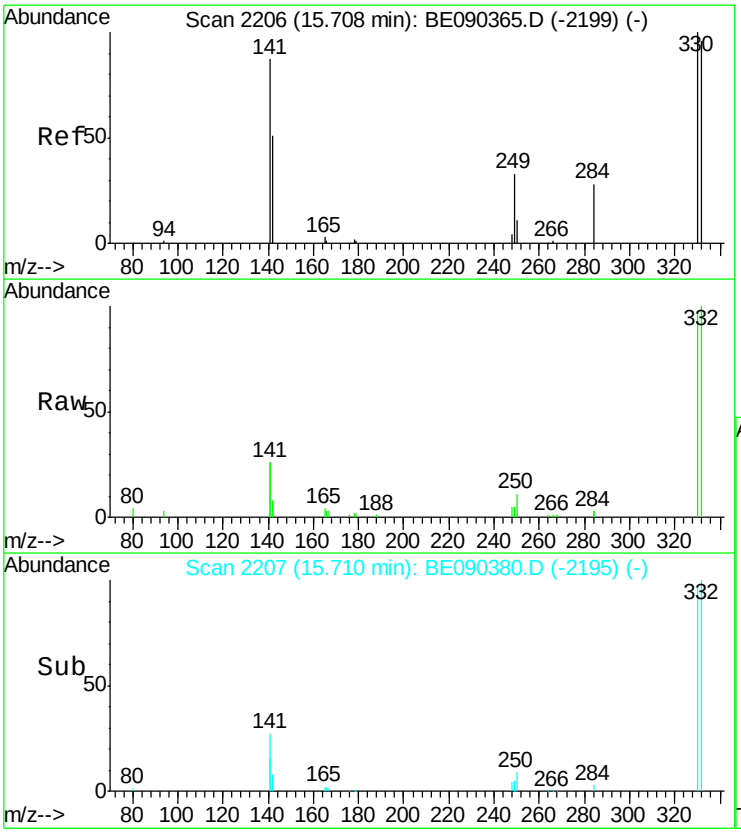

#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:164 Resp: 50647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.8 |
| 160 | 53.0 | 44.2 | 66.4 |

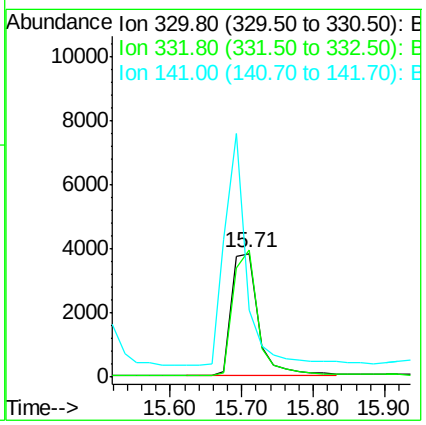


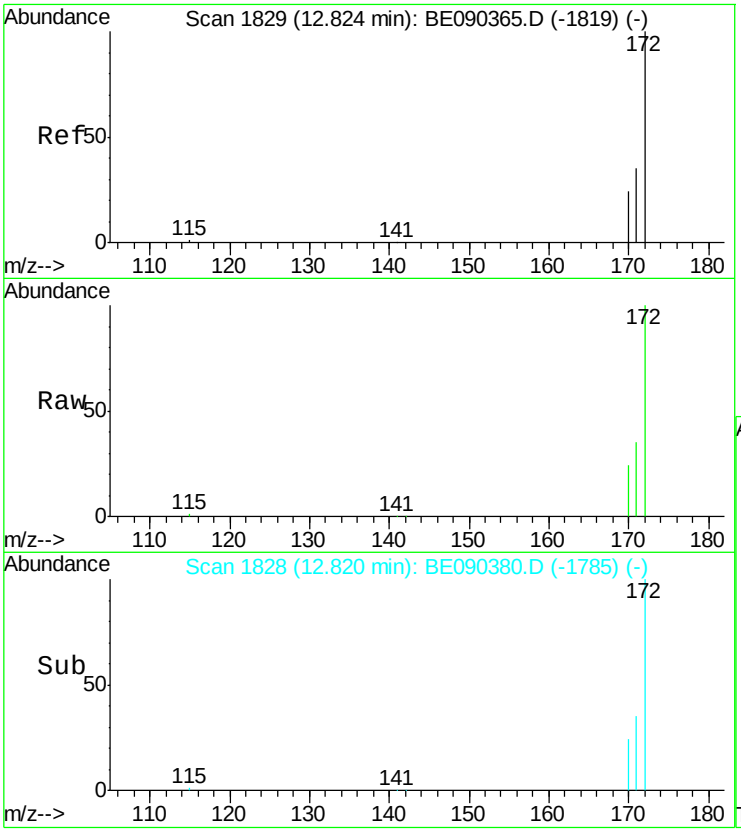




#13
2,4,6-Tribromophenol
Concen: 6.86 ng
RT: 15.71 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:330 Resp: 9906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 75.8 | 113.6 |
| 141 | 153.2 | 114.4 | 171.6 |



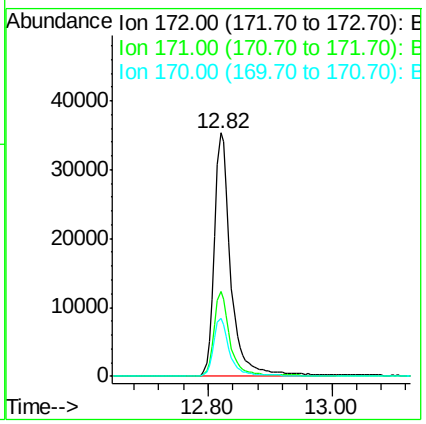


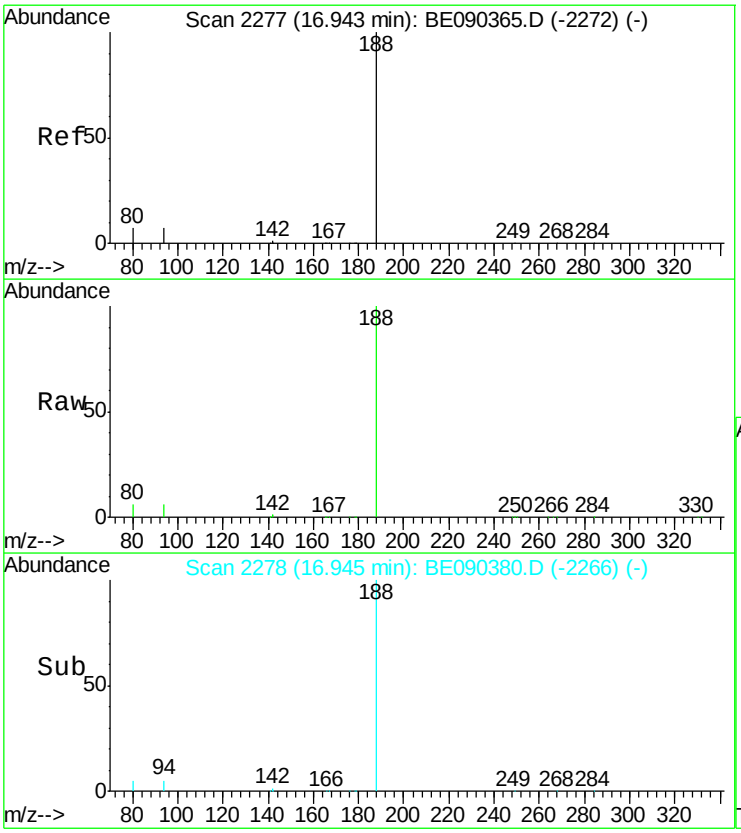

#14
2-Fluorobiphenyl
Concen: 4.68 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:172 Resp: 65229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 28.5 | 42.7 |
| 170 | 24.0 | 19.8 | 29.8 |

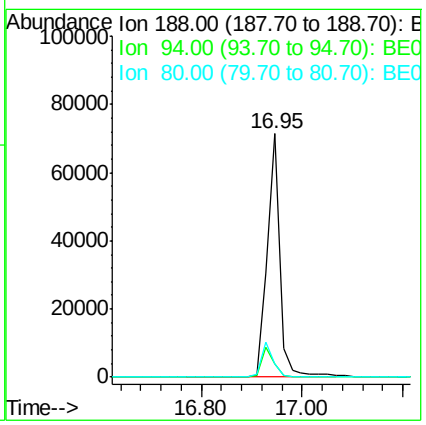


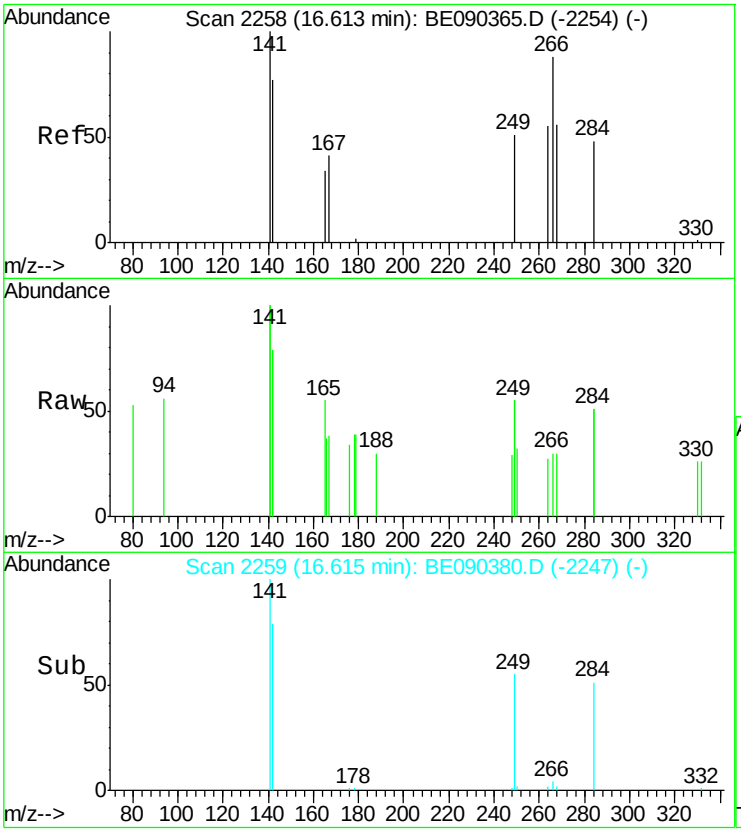




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.95 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:188 Resp: 120817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.5 | 5.7 | 8.5# |
| 80 | 5.5 | 5.8 | 8.8# |



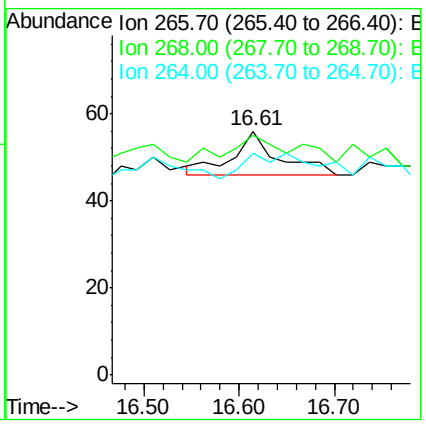


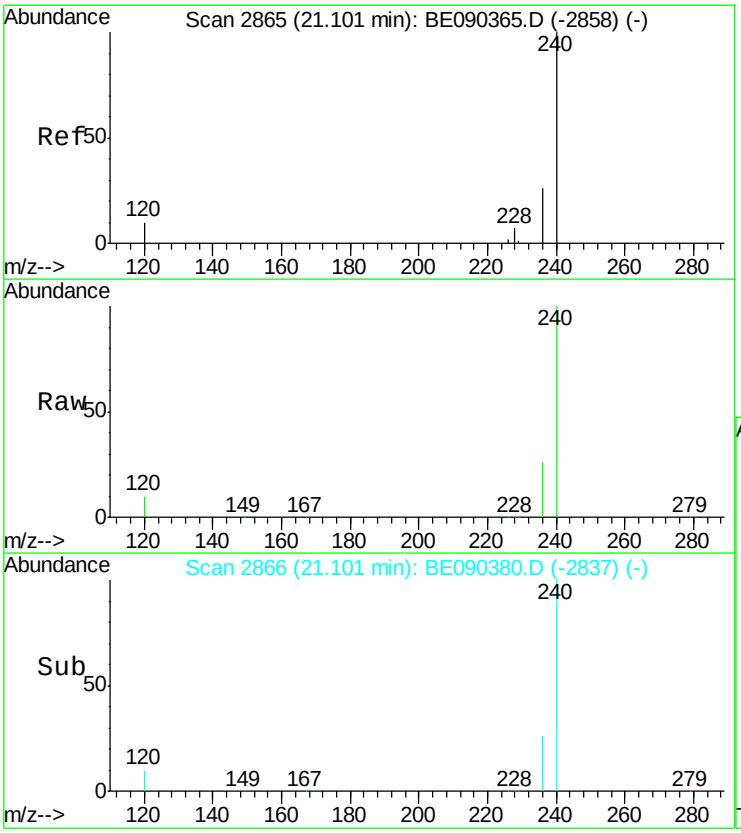

#21
Pentachlorophenol
Concen: 0.11 ng
RT: 16.61 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:266 Resp: 33

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 98.2 | 58.5 | 87.7# |
| 264 | 91.1 | 56.0 | 84.0# |

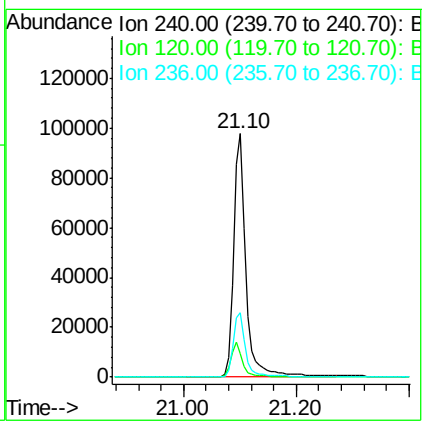


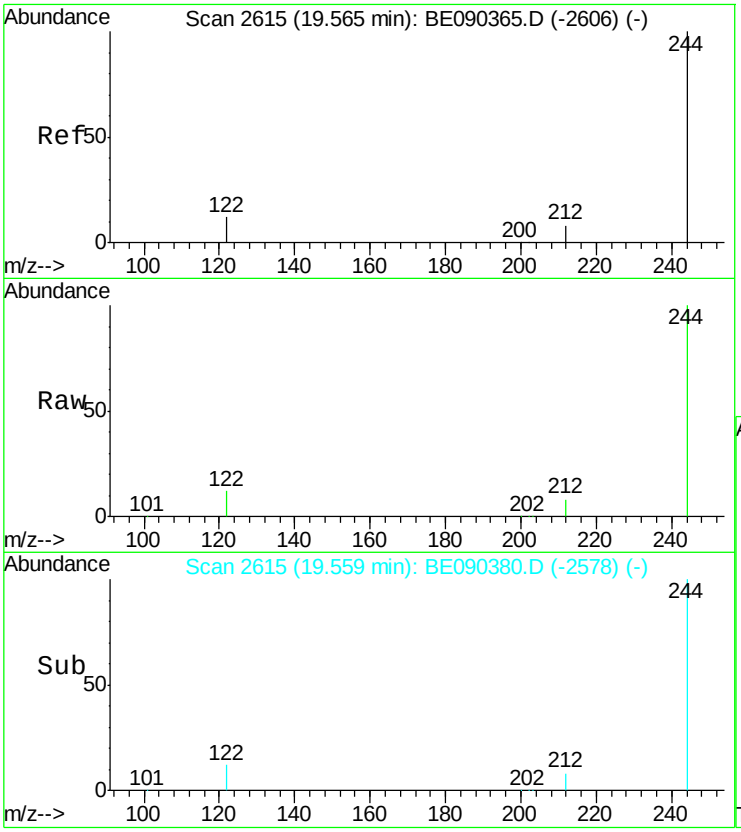




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.10 min Scan# 2866
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:240 Resp: 146523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 8.3 | 12.5 |
| 236 | 26.2 | 21.0 | 31.4 |



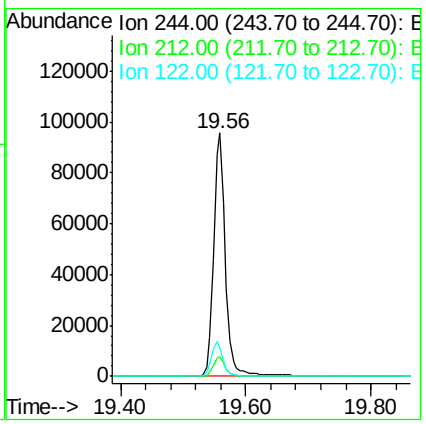


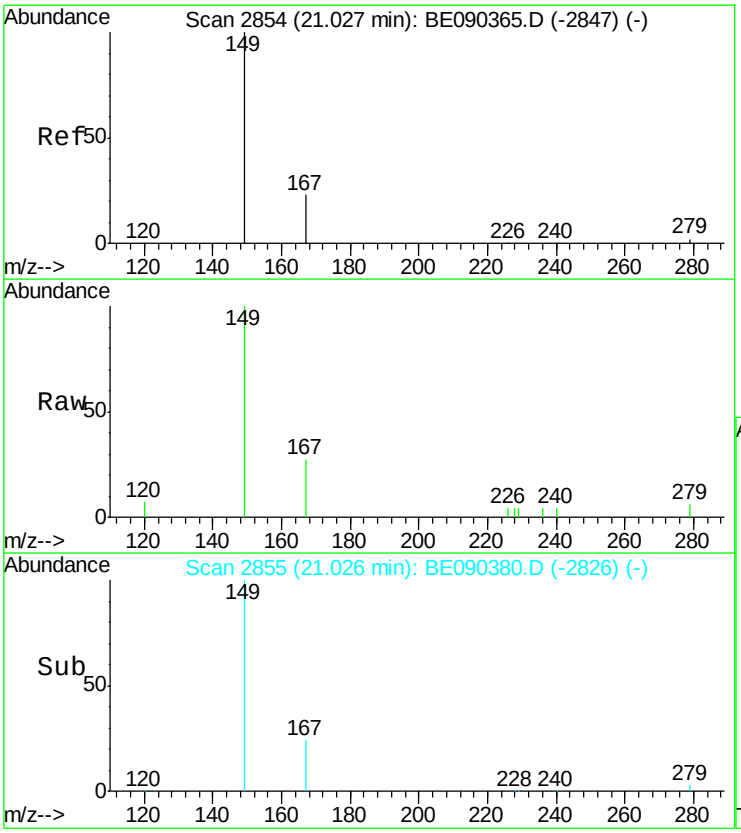

#27
Terphenyl-d14
Concen: 5.76 ng
RT: 19.56 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:244 Resp: 124284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 6.6 | 9.8 |
| 122 | 11.8 | 10.2 | 15.4 |

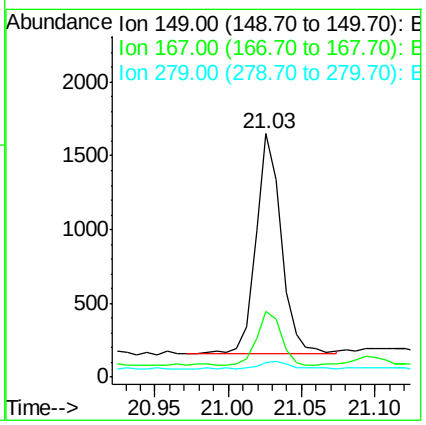


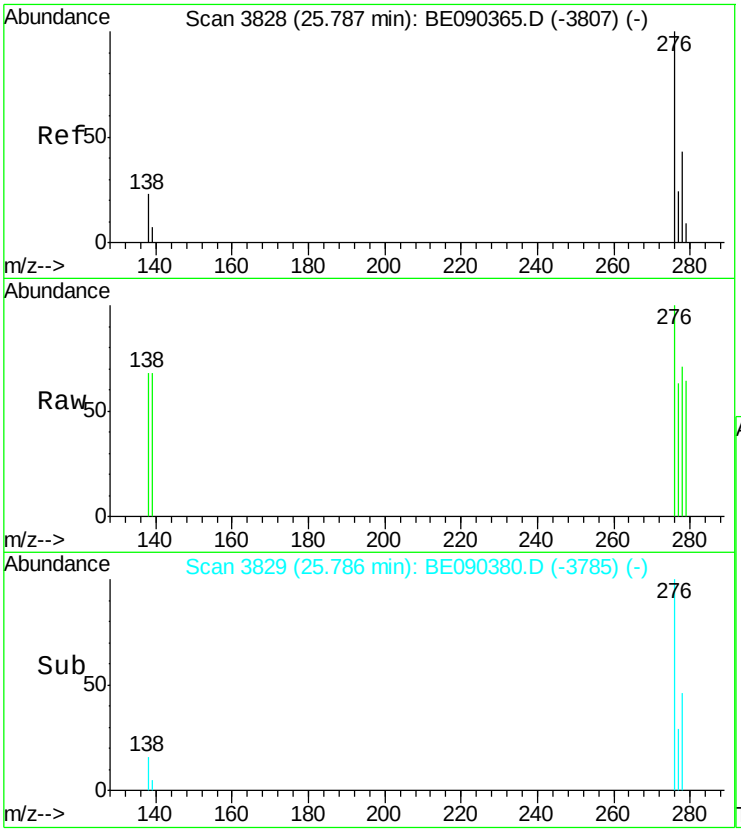




#30
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.03 min Scan# 2855
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:149 Resp: 1797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.2 | 19.8 | 29.8 |
| 279 | 4.6 | 2.4 | 3.6# |



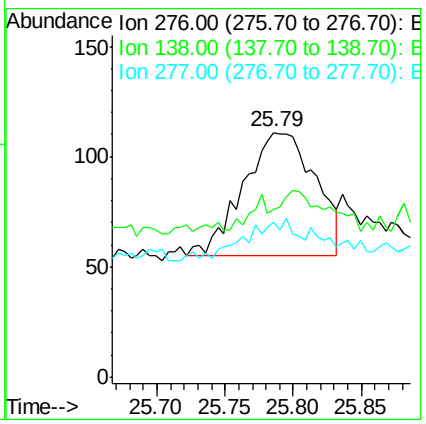


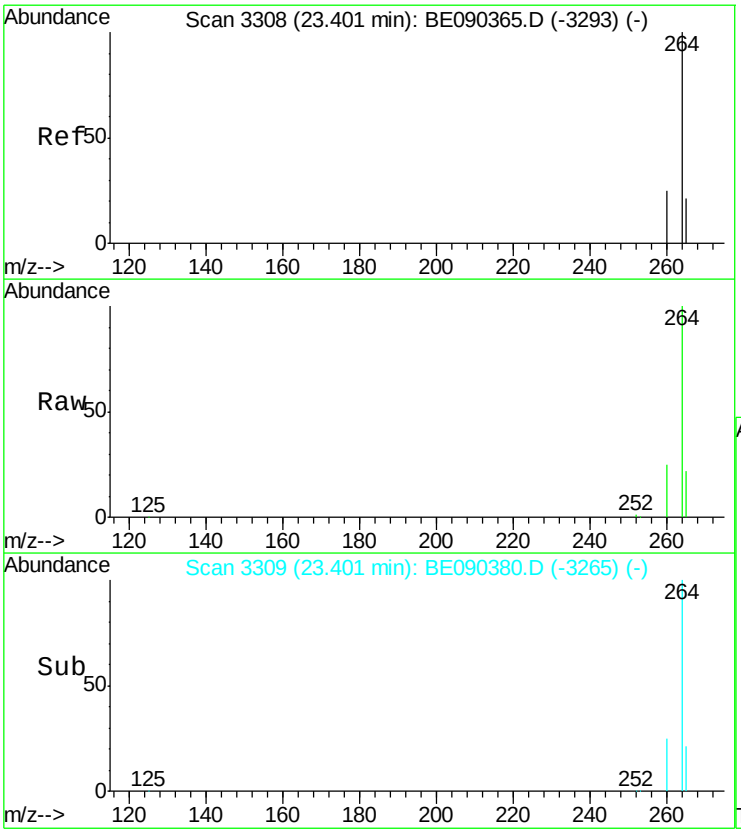

#31
Indeno(1,2,3-cd)pyrene
Concen: 0.26 ng
RT: 25.79 min Scan# 3829
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:276 Resp: 205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.4 | 18.8 | 28.2 |
| 277 | 20.5 | 18.2 | 27.4 |

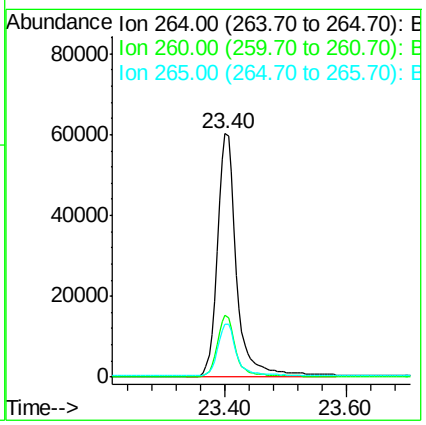


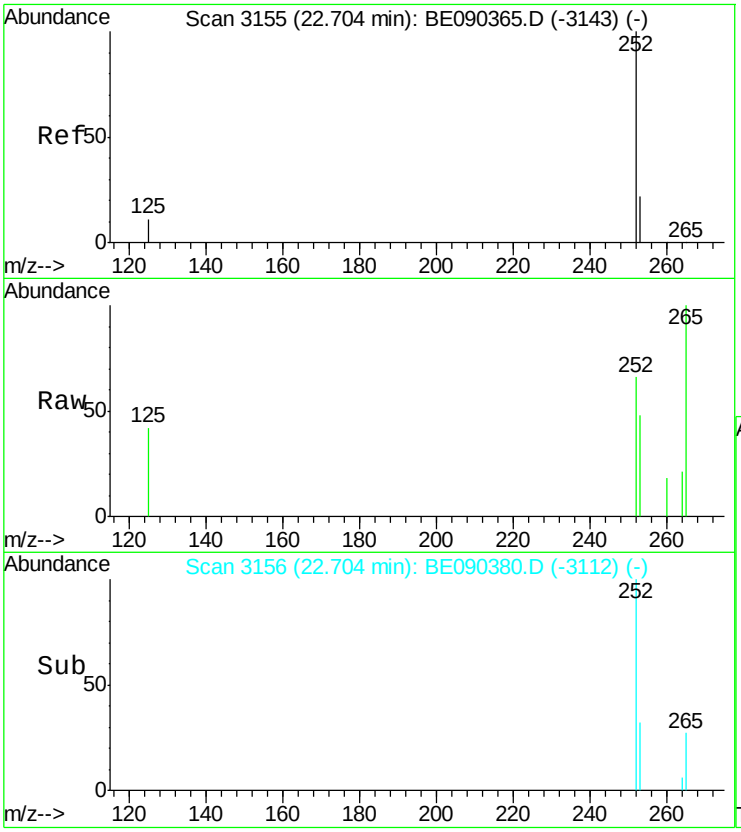




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3309
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:264 Resp: 132578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 20.1 | 30.1 |
| 265 | 21.6 | 17.2 | 25.8 |



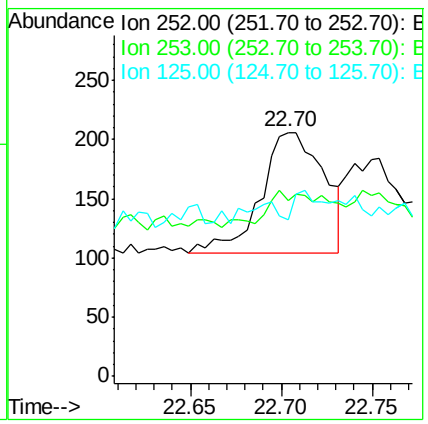


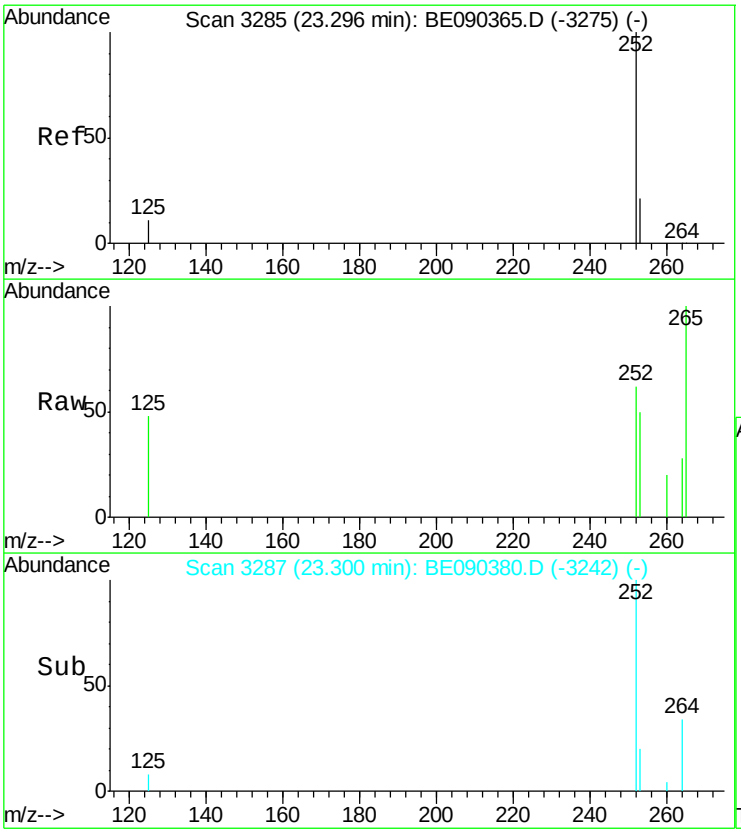

#33
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 22.70 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:252 Resp: 249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 72.3 | 18.1 | 27.1# |
| 125 | 64.1 | 9.4 | 14.2# |

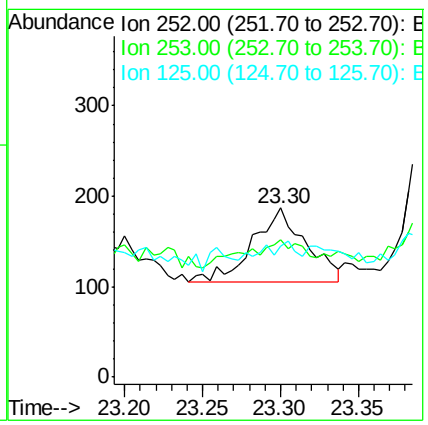


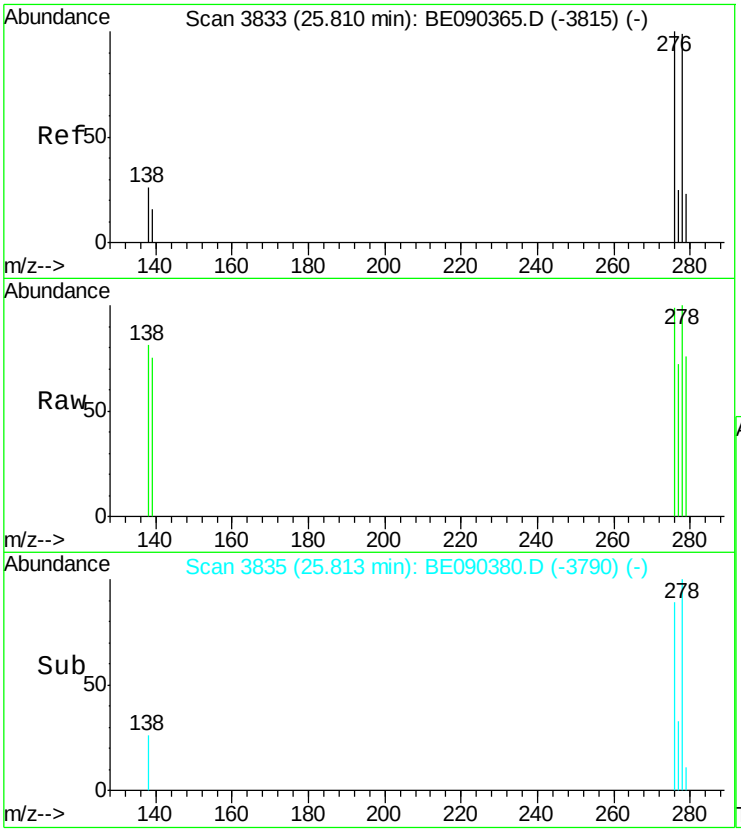




#35
Benzo(a)pyrene
Concen: 0.23 ng
RT: 23.30 min Scan# 3287
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

Tgt Ion:252 Resp: 194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 81.3 | 17.6 | 26.4# |
| 125 | 77.5 | 9.8 | 14.6# |






#36
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 25.81 min Scan# 3835
Delta R.T. 0.00 min
Lab File: BE090380.D
Acq: 6 Aug 2015 7:55

**Instrument :**
BNA_E
**ClientSampleId :**
080315-D506-E-U-S

Tgt Ion:278 Resp: 128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 74.7 | 14.2 | 21.4# |
| 279 | 75.8 | 20.1 | 30.1# |