Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
Data File : BE090450.D
Acq On : 12 Aug 2015 4:36
Operator : UM/IZ
Sample : G3136-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** 080715-D534-F-D-M

Quant Time: Aug 12 06:48:13 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 12:28:08 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.58 | 152 | 19562 | 5.00 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.34 | 136 | 90202 | 5.00 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.20 | 164 | 51939 | 5.00 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 16.94 | 188 | 124752 | 5.00 | ng | | 0.00 |
| 25) Chrysene-d12 | 21.09 | 240 | 141256 | 5.00 | ng | | 0.00 |
| 32) Perylene-d12 | 23.40 | 264 | 124431 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.22 | 112 | 13401 | 4.57 | ng | | 0.00 |
| 5) Phenol-d6 | 6.77 | 99 | 12661 | 2.18 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.73 | 82 | 23298 | 3.25 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.71 | 330 | 15951 | 9.31 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.82 | 172 | 59086 | 4.14 | ng | | 0.00 |
| 27) Terphenyl-d14 | 19.55 | 244 | 117713 | 5.66 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.24 | 88 | 29 | Below Cal | | # | 54 |
| 8) Nitrobenzene | 8.79 | 77 | 16 | 0.21 | ng | # | 40 |
| 10) Hexachlorobutadiene | 10.66 | 225 | 3 | Below Cal | | # | 1 |
| 21) Pentachlorophenol | 16.61 | 266 | 27 | 0.12 | ng | # | 68 |
| 30) Bis(2-ethylhexyl)phthalate | 21.03 | 149 | 1154 | 0.26 | ng | | 99 |
| 31) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 534 | 0.27 | ng | # | 84 |
| 33) Benzo(b)fluoranthene | 22.71 | 252 | 306 | 0.20 | ng | # | 1 |
| 35) Benzo(a)pyrene | 23.30 | 252 | 237 | 0.23 | ng | # | 1 |
| 36) Dibenzo(a,h)anthracene | 25.81 | 278 | 280 | 0.29 | ng | # | 29 |

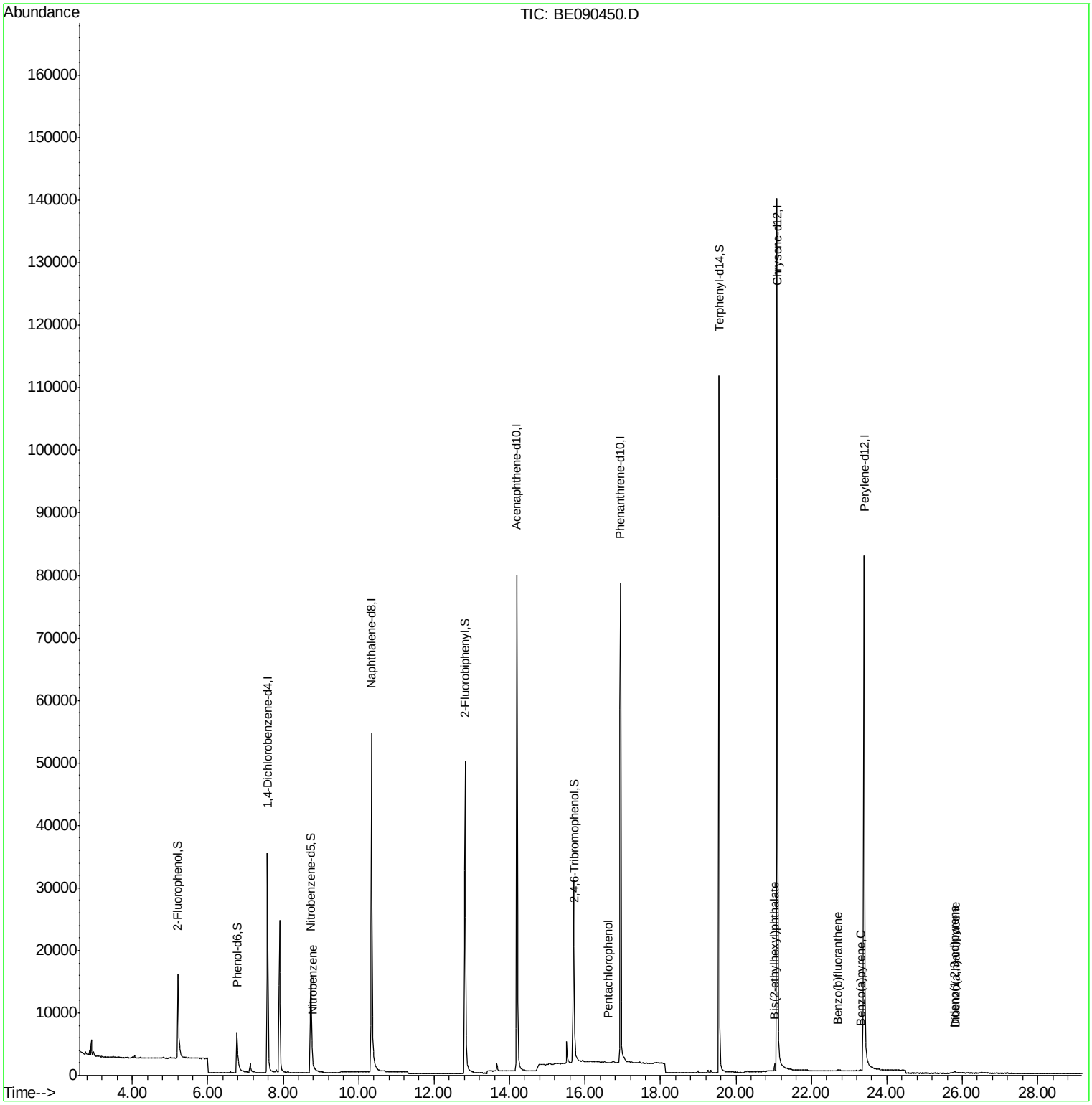
(#) = qualifier out of range (m) = manual integration (+) = signals summed

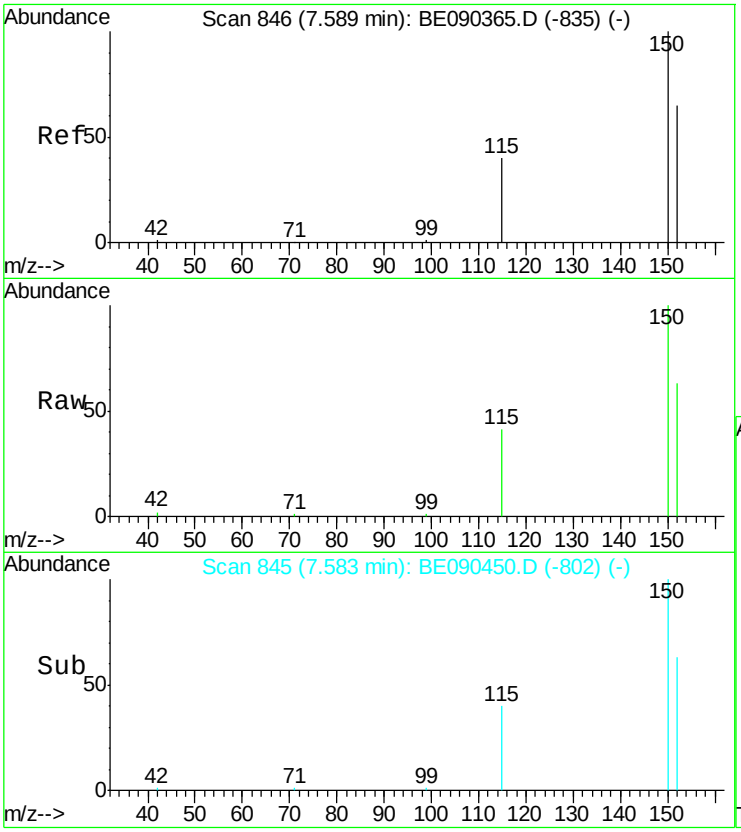
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
Data File : BE090450.D
Acq On : 12 Aug 2015 4:36
Operator : UM/IZ
Sample : G3136-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Quant Time: Aug 12 06:48:13 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 12:28:08 2015
Response via : Initial Calibration



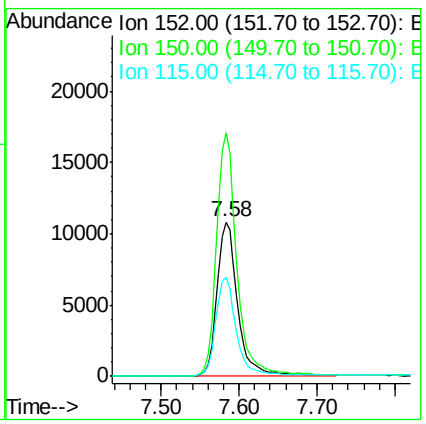


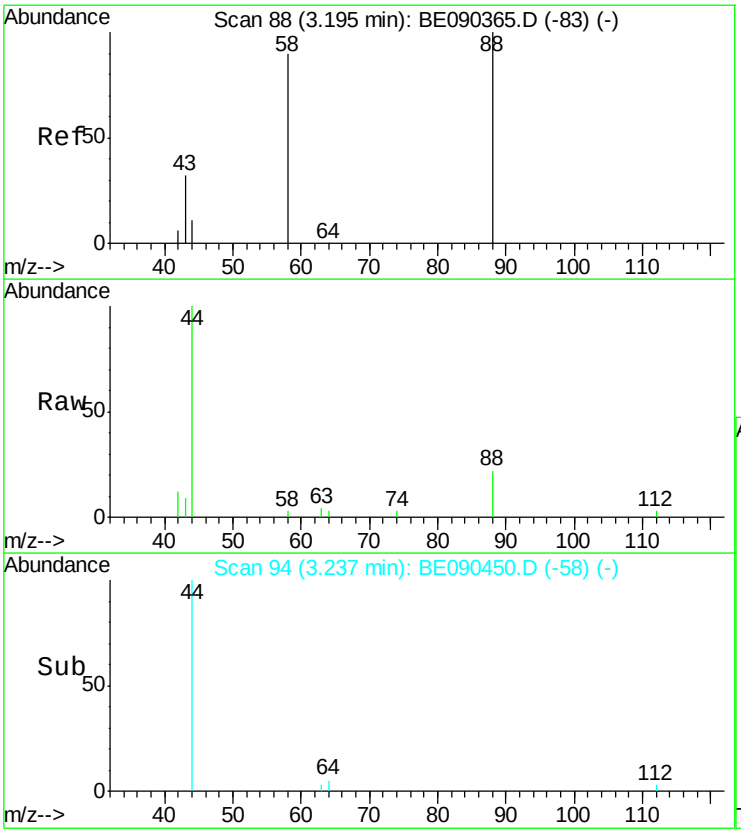

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:152 Resp: 19562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.6 | 123.0 | 184.4 |
| 115 | 64.0 | 48.9 | 73.3 |

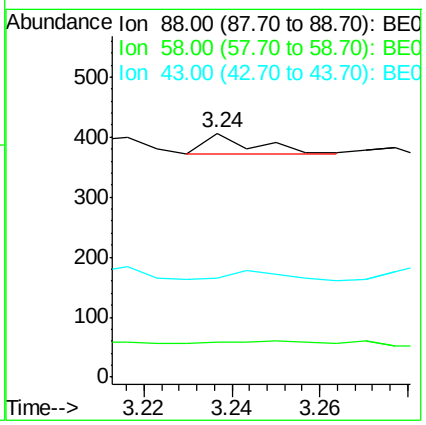


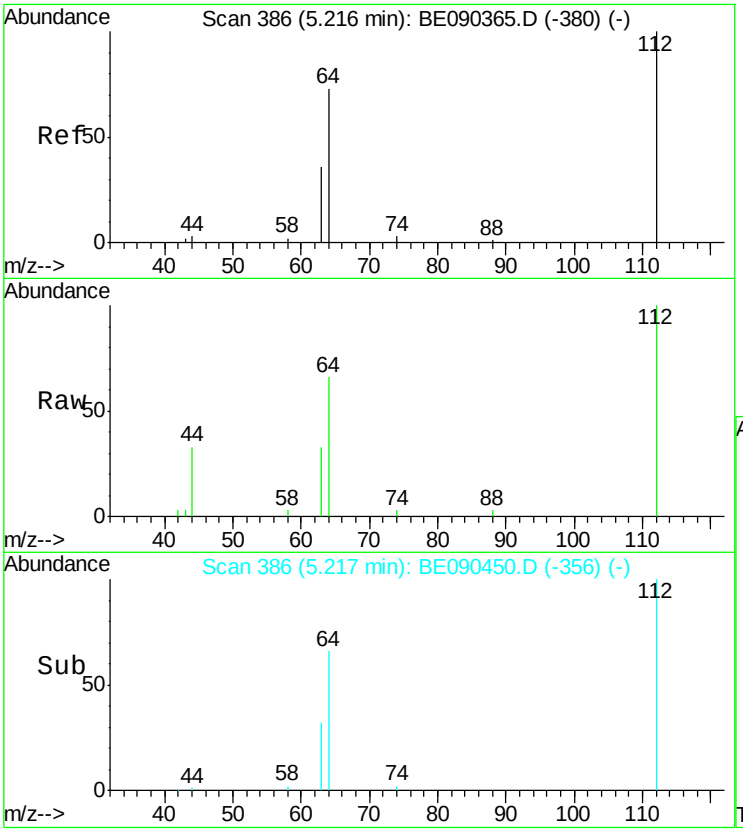




#2
1,4-Dioxane
Concen: Below Cal
RT: 3.24 min Scan# 94
Delta R.T. 0.04 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion: 88 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 37.9 | 70.0 | 105.0# |
| 43 | 51.7 | 28.4 | 42.6# |



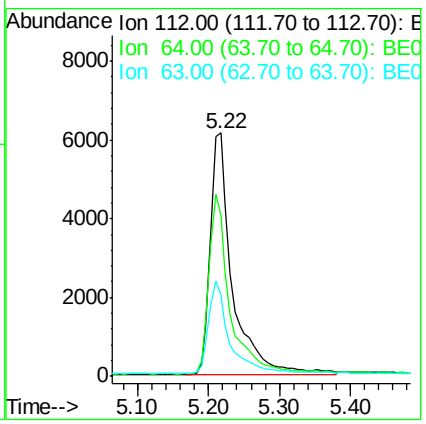


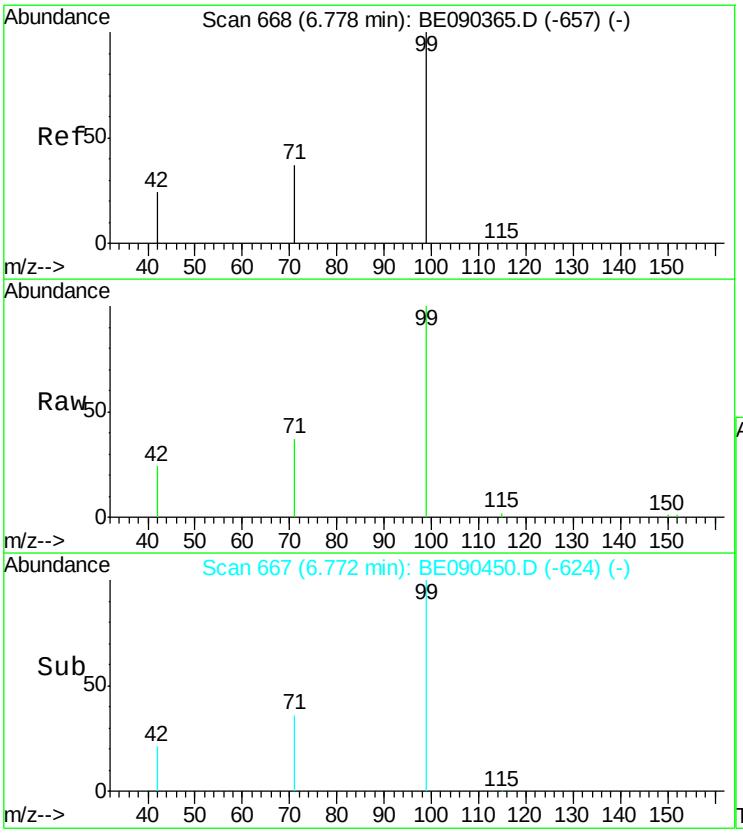

#4
2-Fluorophenol
Concen: 4.57 ng
RT: 5.22 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:112 Resp: 13401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.5 | 37.1 | 55.7# |
| 63 | 36.4 | 19.5 | 29.3# |

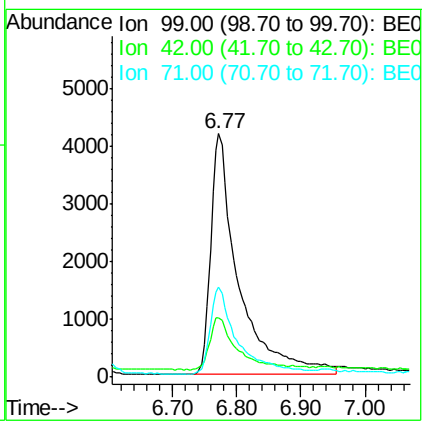


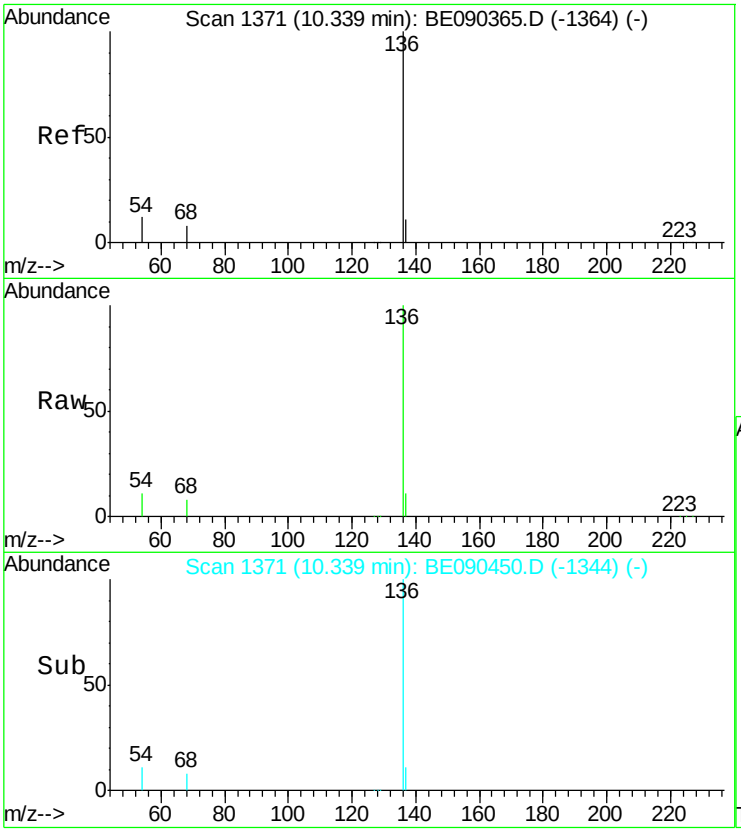




#5
Phenol-d6
Concen: 2.18 ng
RT: 6.77 min Scan# 667
Delta R.T. -0.01 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion: 99 Resp: 12661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.0 | 18.2 | 27.4 |
| 71 | 35.3 | 27.4 | 41.0 |



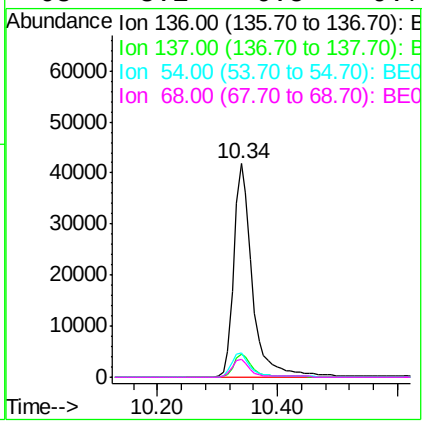


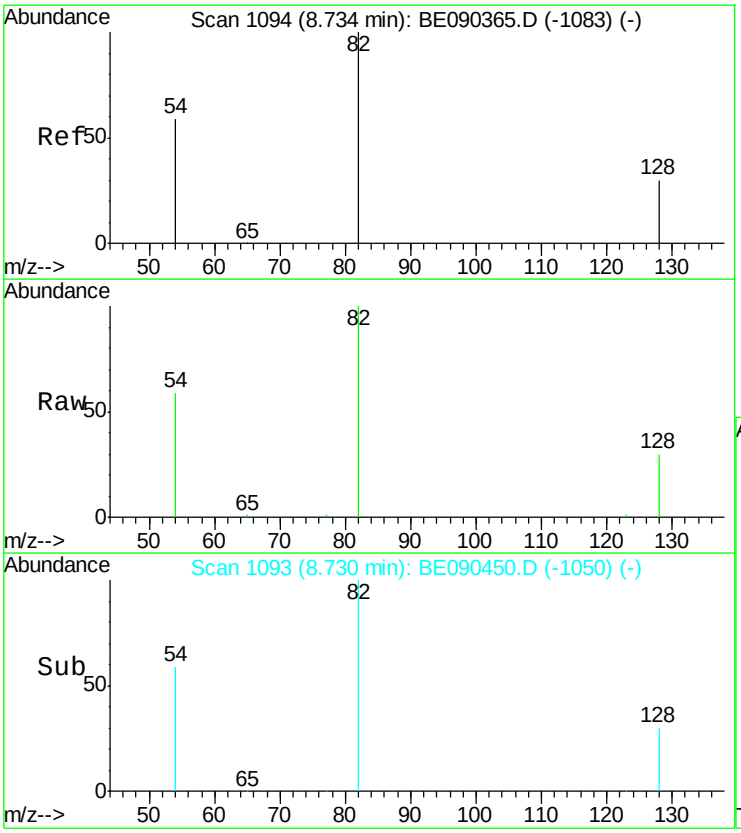

#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:136 Resp: 90202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 11.4 | 9.4 | 14.0 |
| 68 | 8.1 | 6.5 | 9.7 |

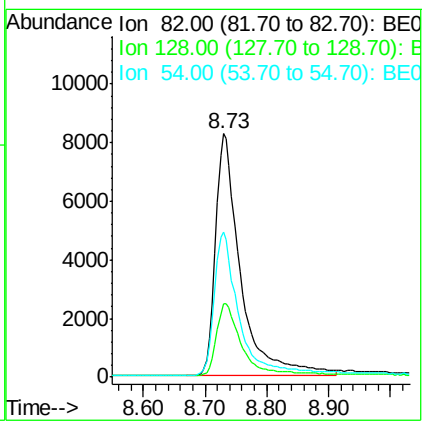


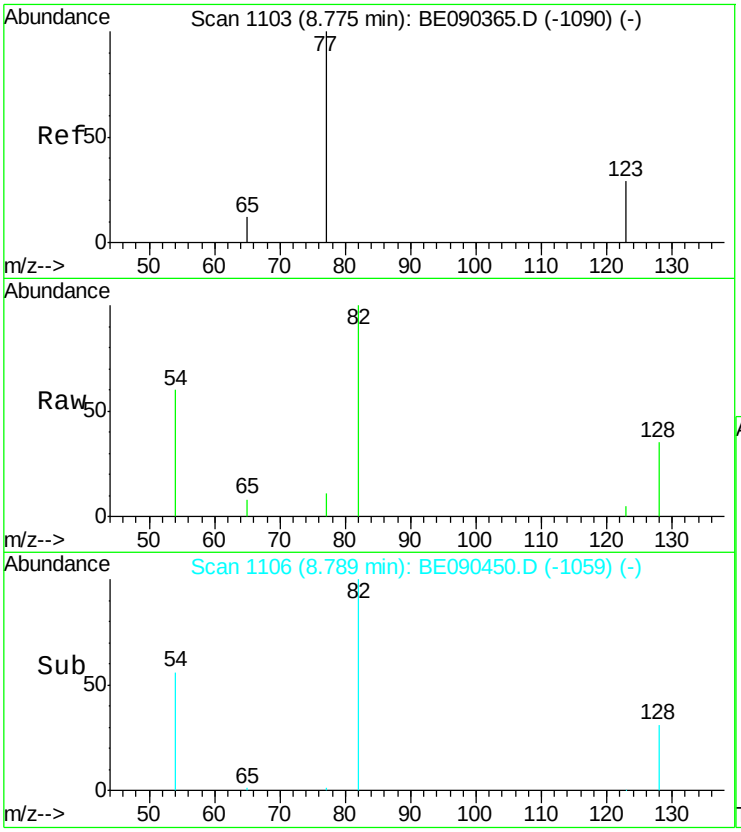




#7
Nitrobenzene-d5
Concen: 3.25 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion: 82 Resp: 23298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 30.1 | 25.0 | 37.6 |
| 54 | 59.5 | 48.8 | 73.2 |



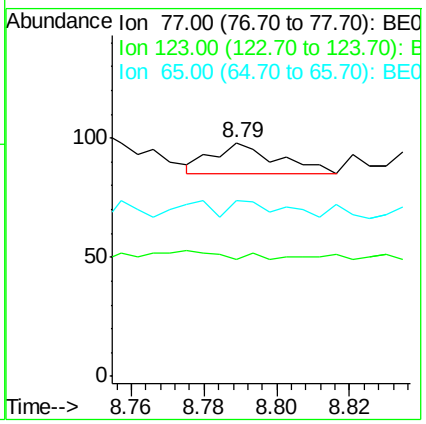


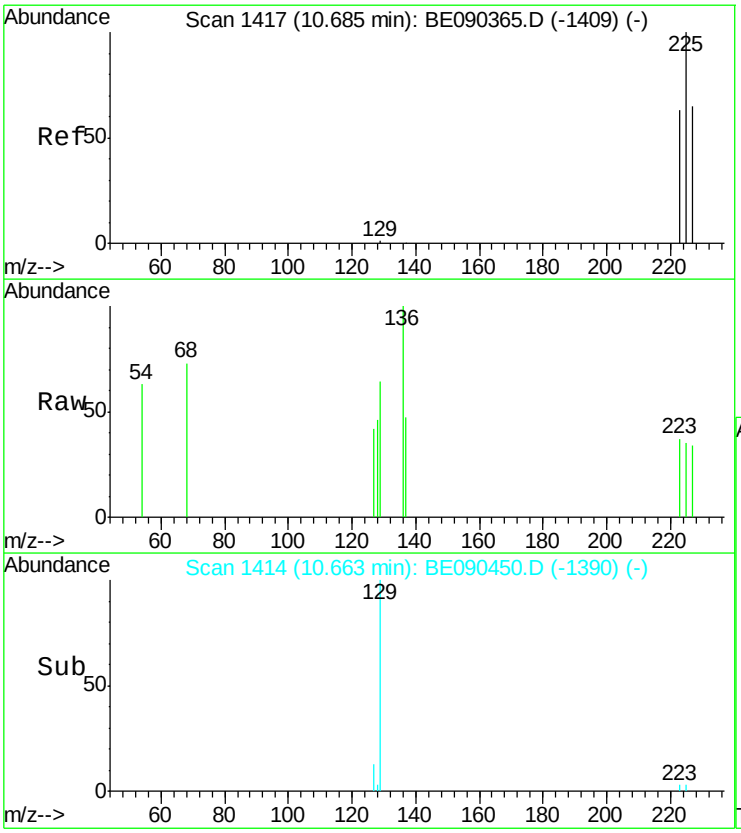

#8
Nitrobenzene
Concen: 0.21 ng
RT: 8.79 min Scan# 1106
Delta R.T. 0.01 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion: 77 Resp: 16

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 25.1 | 37.7# |
| 65 | 37.5 | 9.3 | 13.9# |

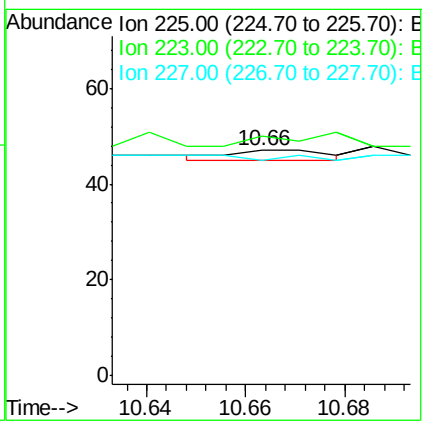


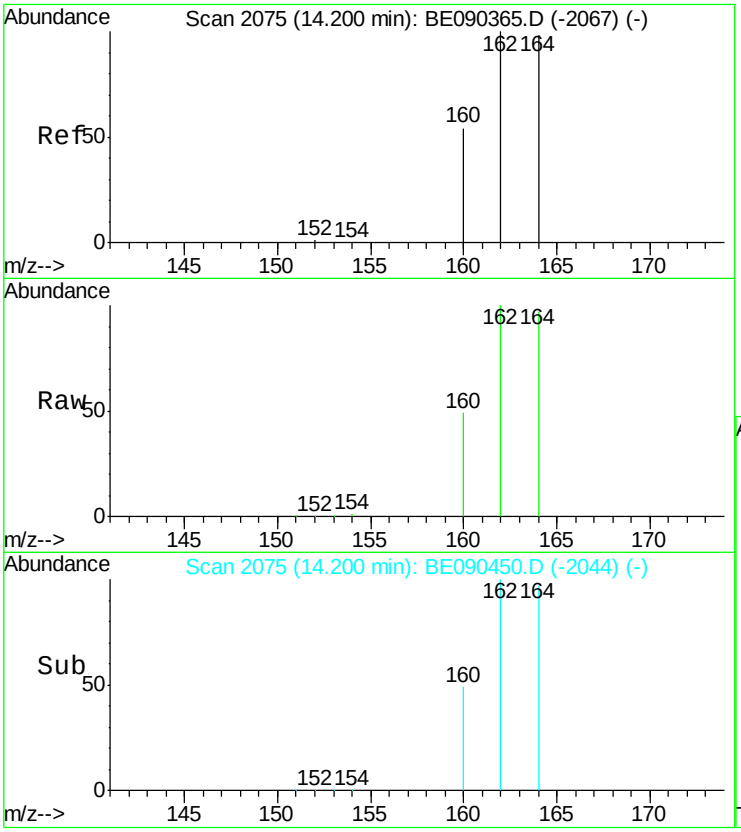




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.66 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:225 Resp: 3

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 166.7 | 50.6 | 75.8# |
| 227 | 0.0 | 50.7 | 76.1# |



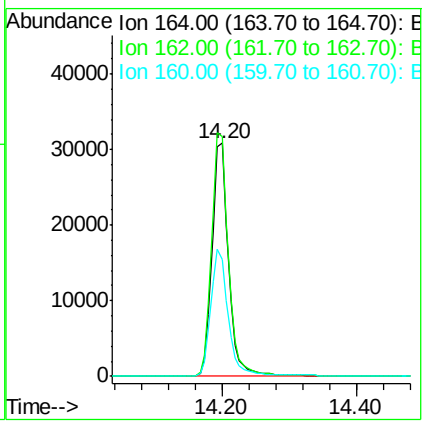


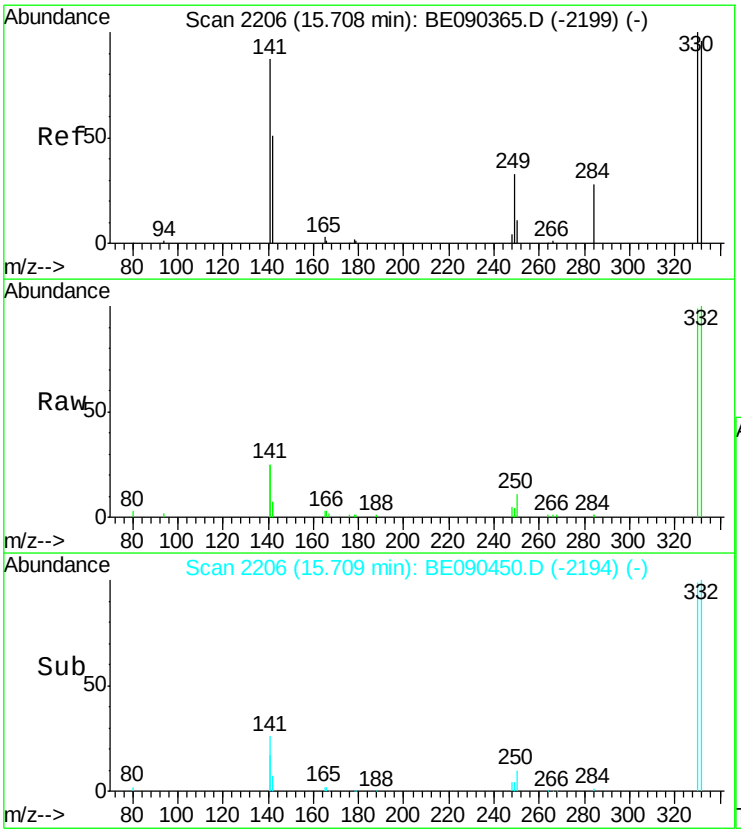

#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:164 Resp: 51939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.8 |
| 160 | 50.2 | 44.2 | 66.4 |

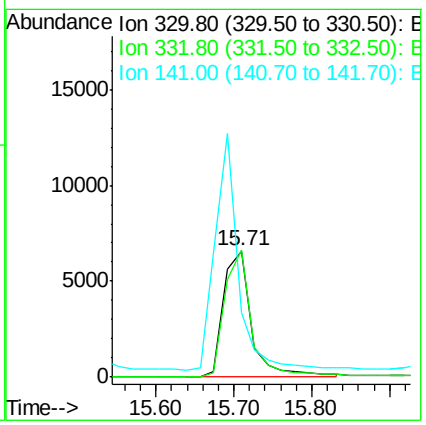


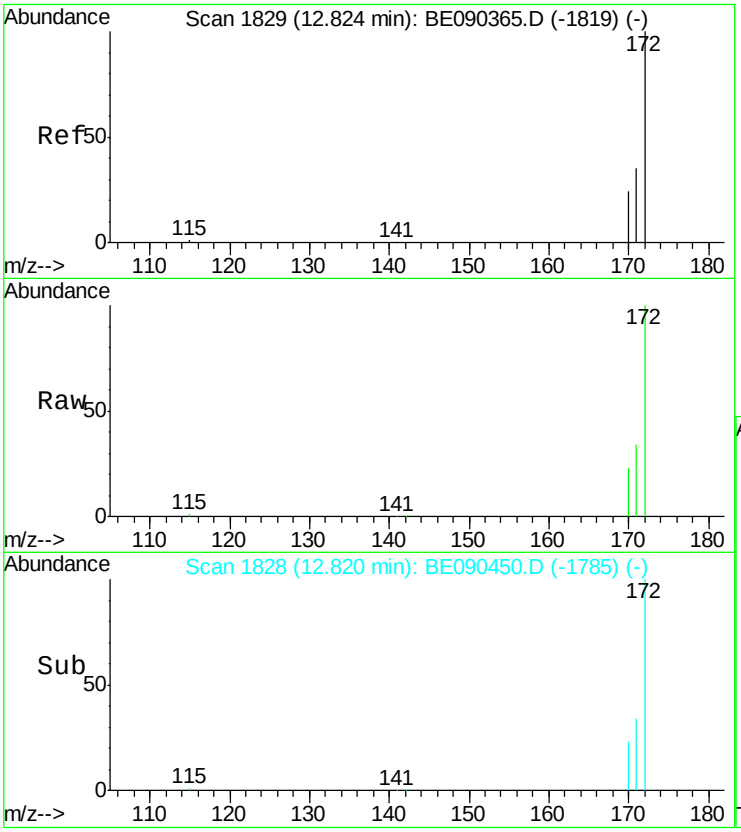




#13
2,4,6-Tribromophenol
Concen: 9.31 ng
RT: 15.71 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:330 Resp: 15951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 75.8 | 113.6 |
| 141 | 156.3 | 114.4 | 171.6 |



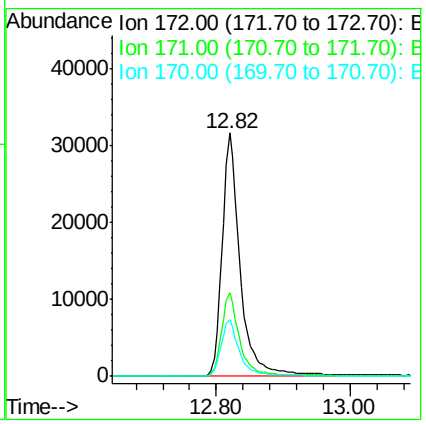


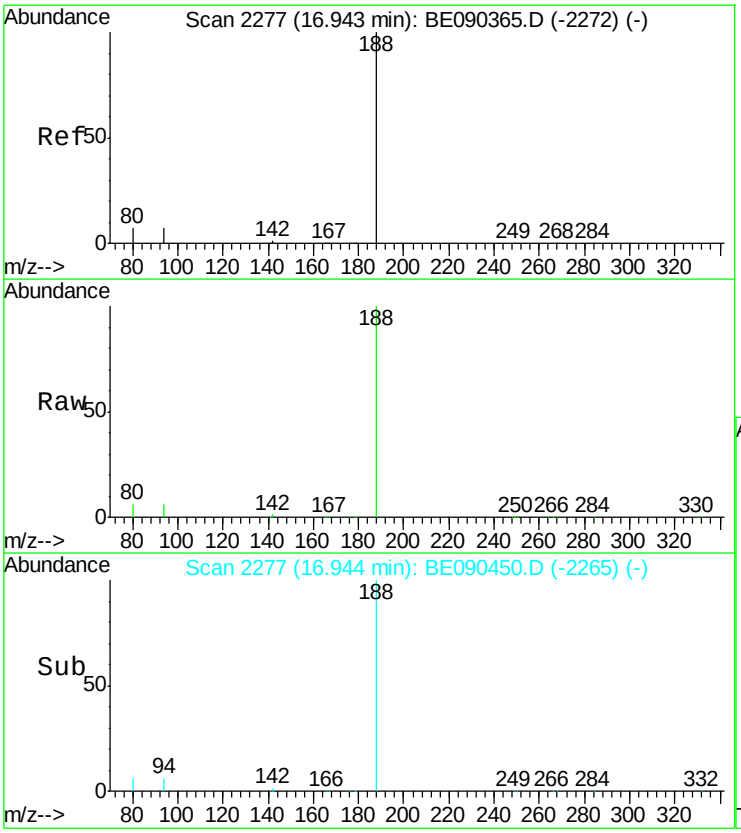

#14
2-Fluorobiphenyl
Concen: 4.14 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:172 Resp: 59086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 28.5 | 42.7 |
| 170 | 23.2 | 19.8 | 29.8 |

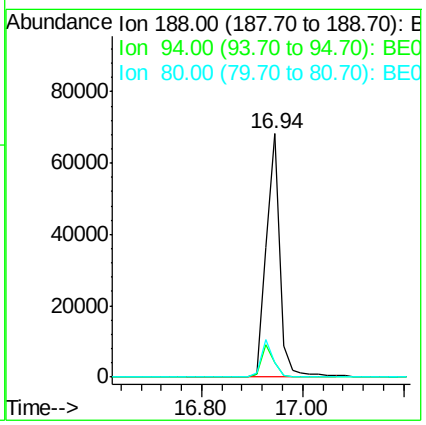


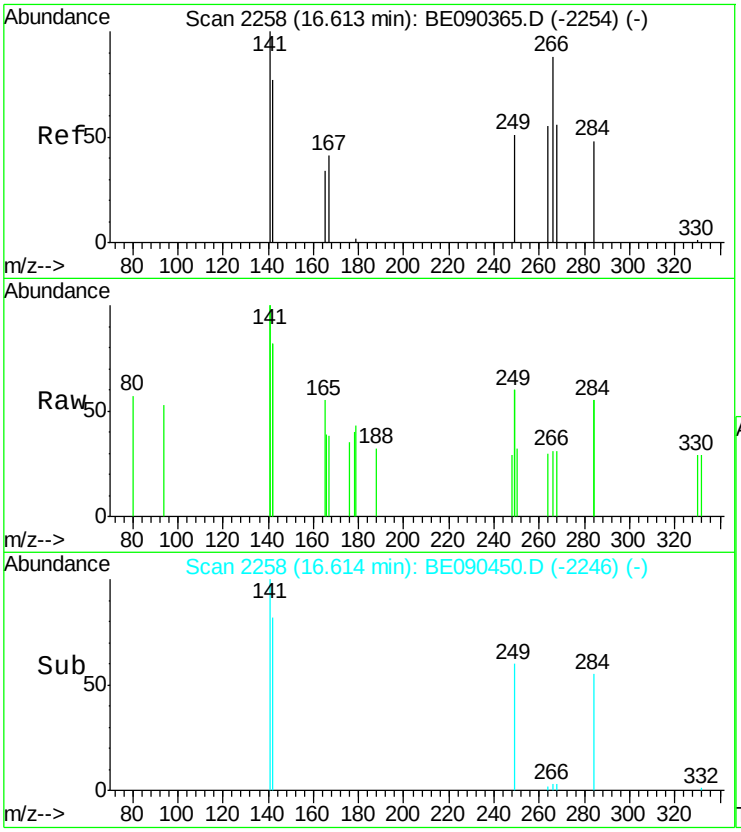




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:188 Resp: 124752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.7 | 5.7 | 8.5 |
| 80 | 6.0 | 5.8 | 8.8 |



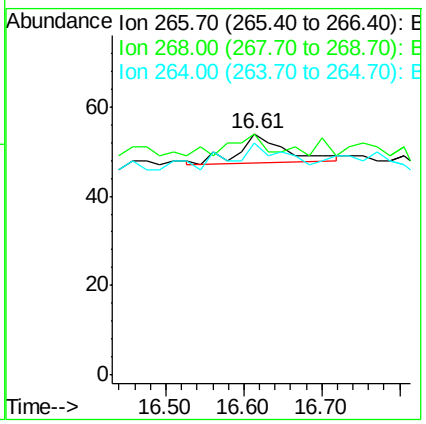


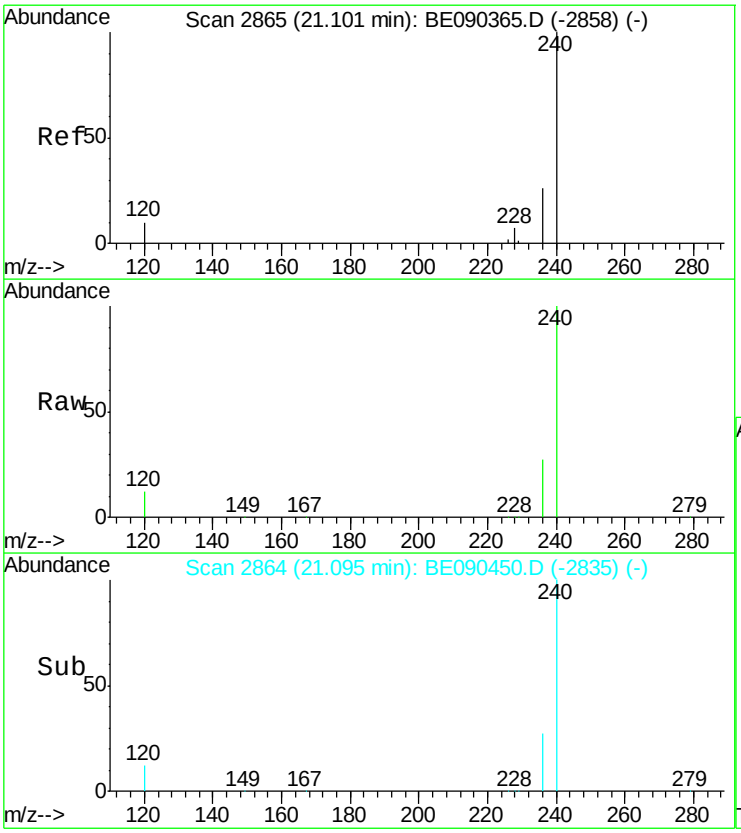

#21
Pentachlorophenol
Concen: 0.12 ng
RT: 16.61 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:266 Resp: 27

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 100.0 | 58.5 | 87.7# |
| 264 | 96.3 | 56.0 | 84.0# |

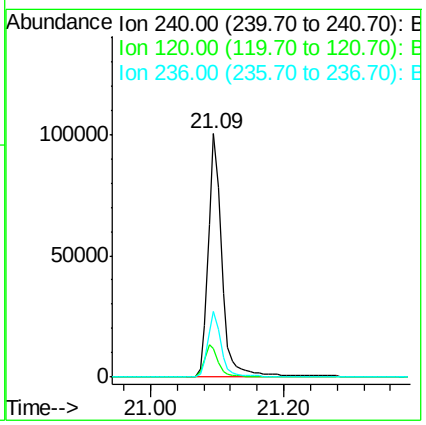


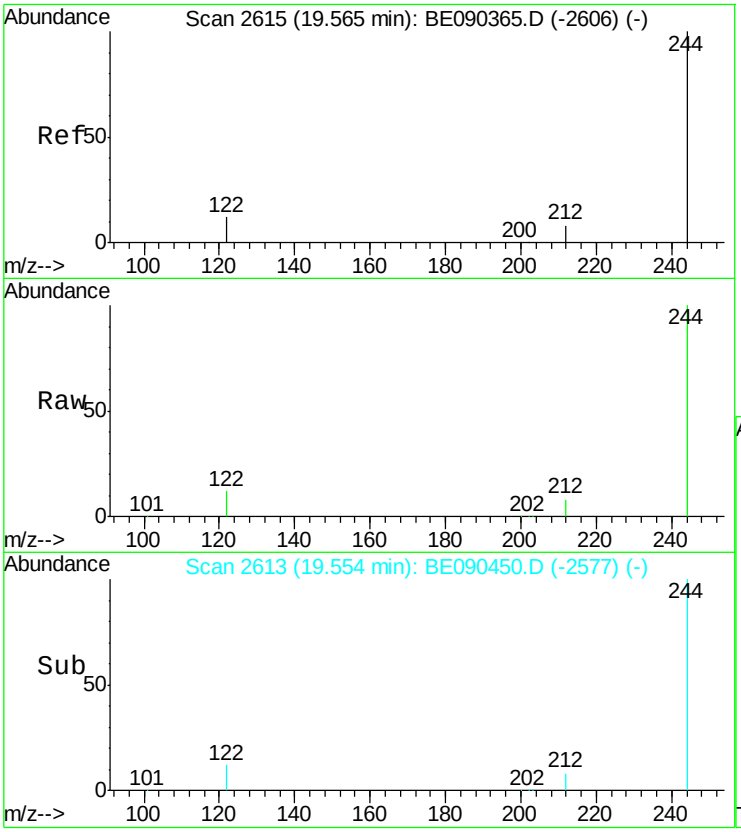




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.09 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:240 Resp: 141256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 8.3 | 12.5 |
| 236 | 27.1 | 21.0 | 31.4 |



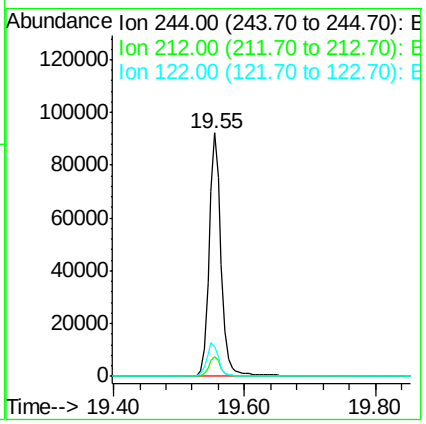


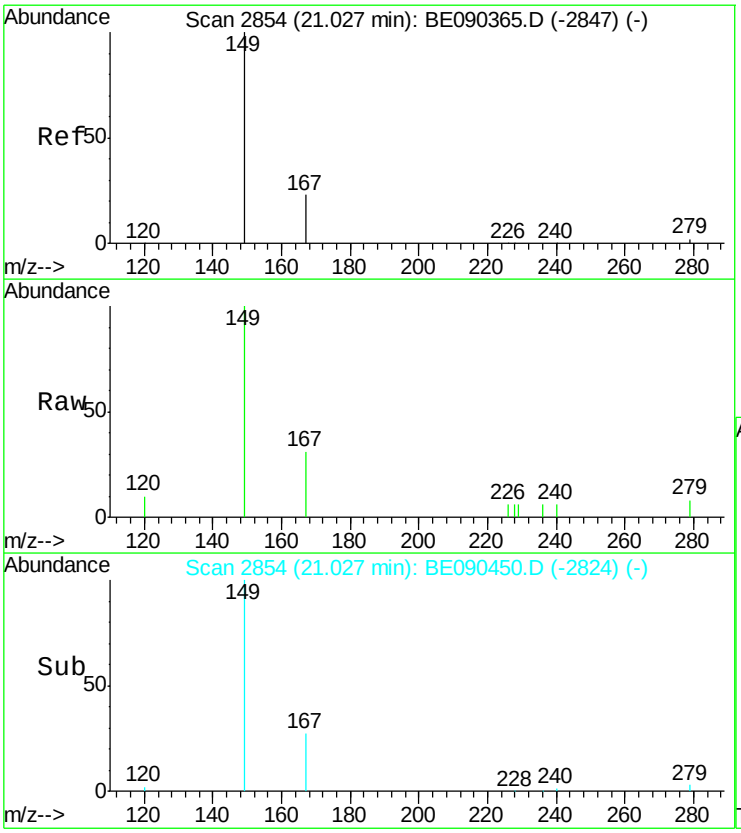

#27
Terphenyl-d14
Concen: 5.66 ng
RT: 19.55 min Scan# 2613
Delta R.T. -0.01 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:244 Resp: 117713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.6 | 9.8 |
| 122 | 12.4 | 10.2 | 15.4 |

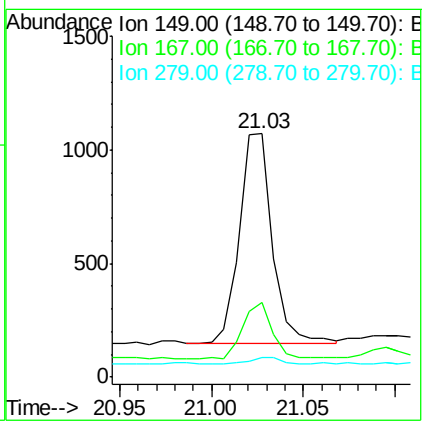


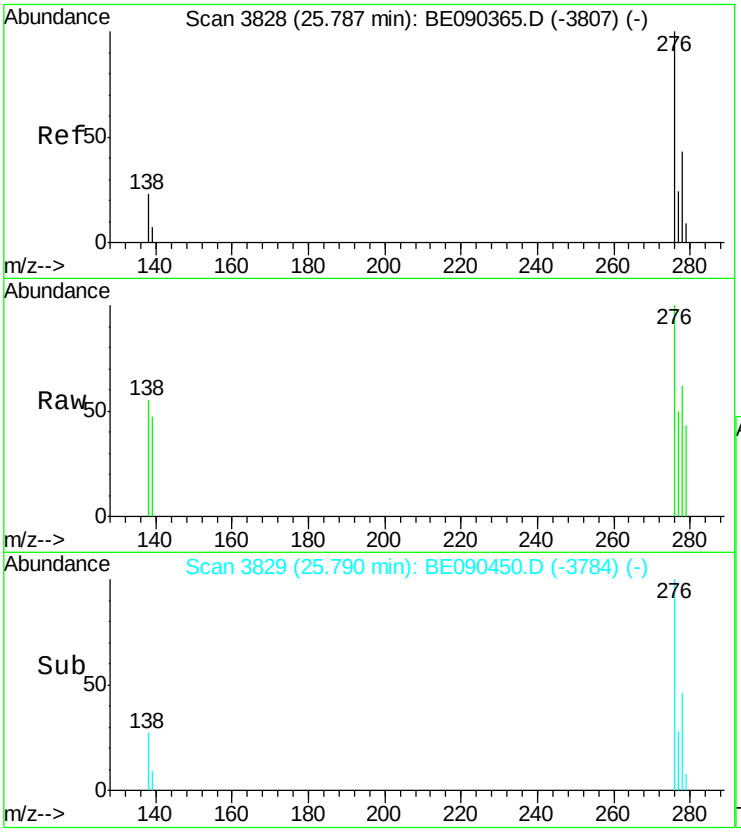




#30
Bis(2-ethylhexyl)phthalate
Concen: 0.26 ng
RT: 21.03 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:149 Resp: 1154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.1 | 19.8 | 29.8 |
| 279 | 2.9 | 2.4 | 3.6 |



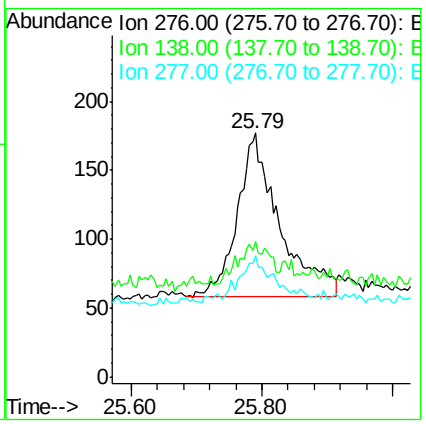


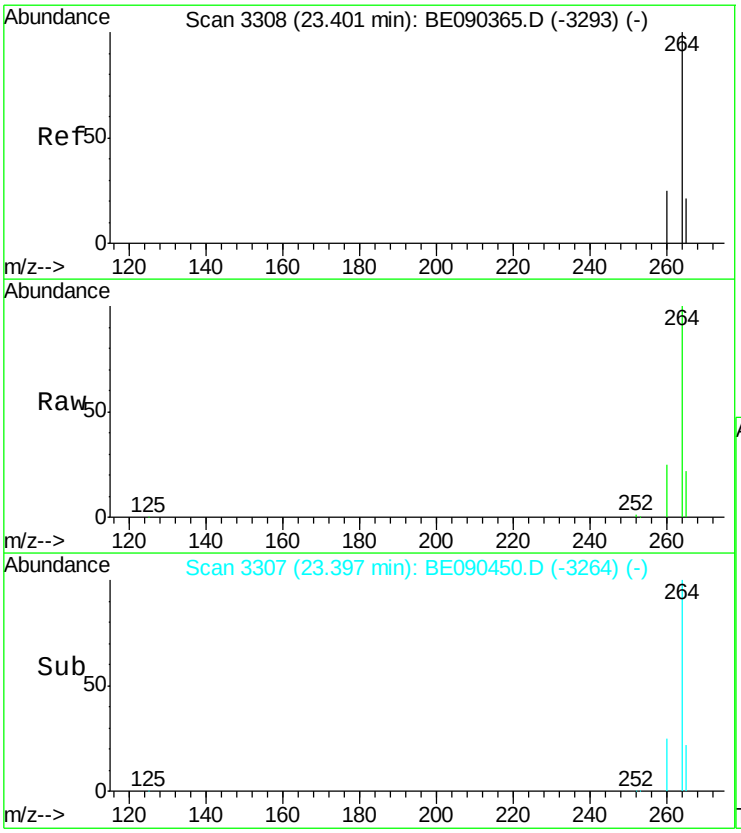

#31
Indeno(1,2,3-cd)pyrene
Concen: 0.27 ng
RT: 25.79 min Scan# 3829
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:276 Resp: 534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 12.5 | 18.8 | 28.2# |
| 277 | 18.5 | 18.2 | 27.4 |

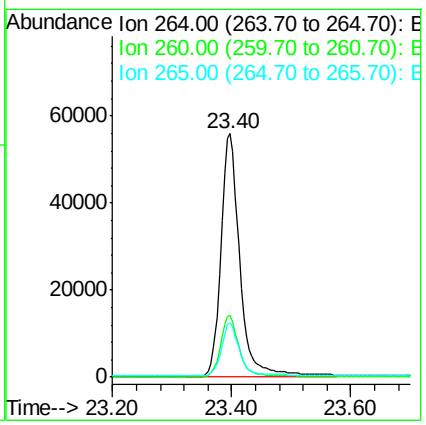


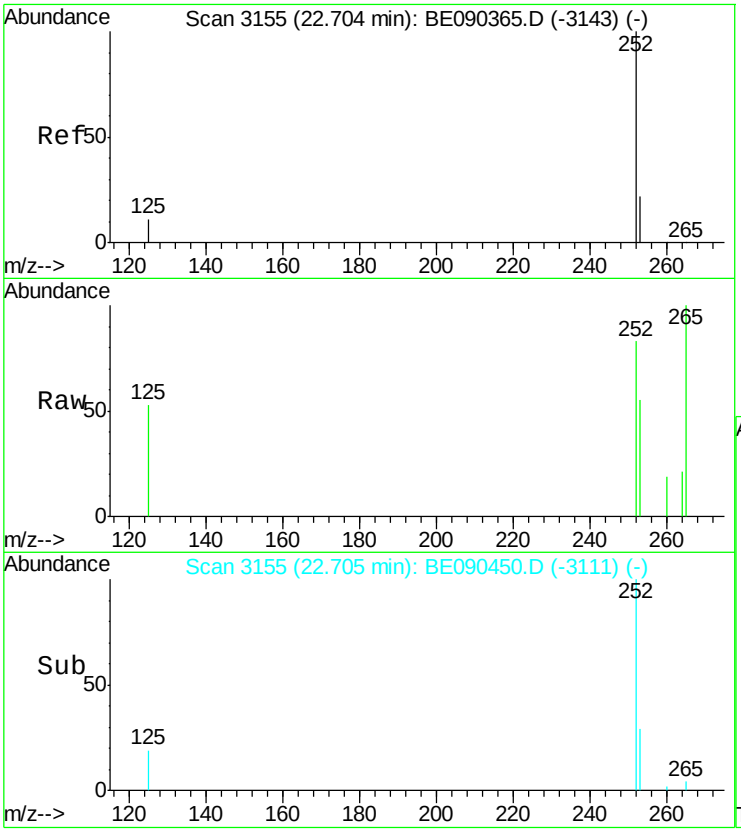




#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:264 Resp: 124431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 20.1 | 30.1 |
| 265 | 22.2 | 17.2 | 25.8 |



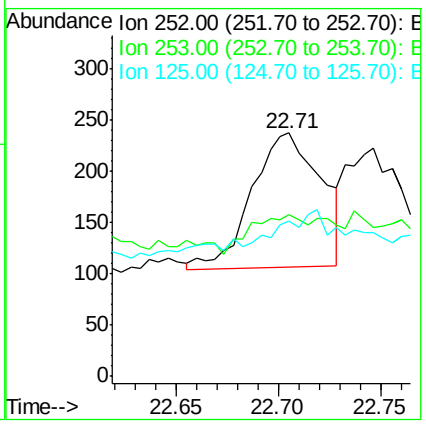


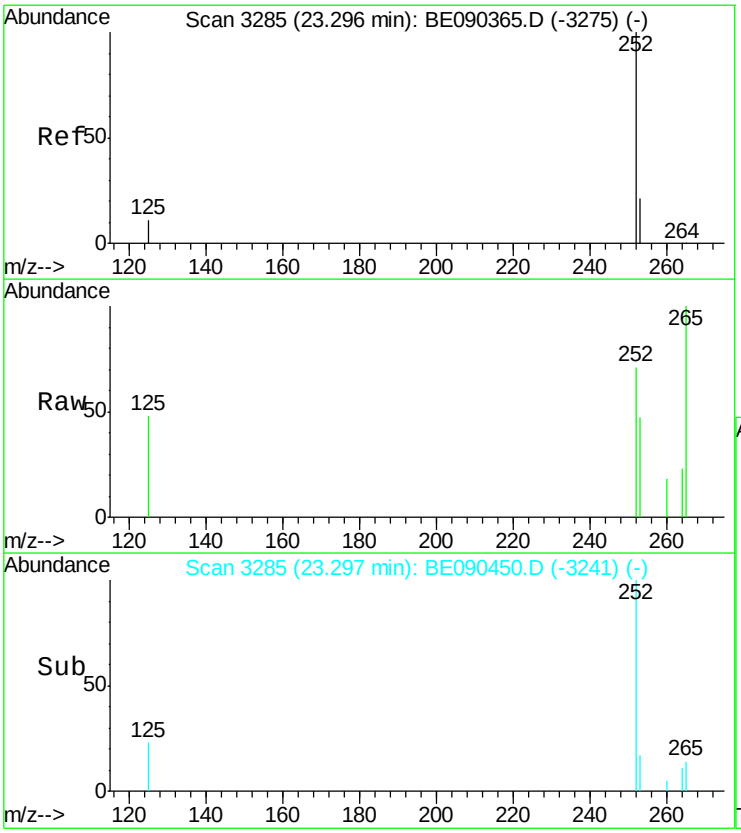

#33
Benzo(b)fluoranthene
Concen: 0.20 ng
RT: 22.71 min Scan# 3155
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:252 Resp: 306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 66.7 | 18.1 | 27.1# |
| 125 | 63.7 | 9.4 | 14.2# |

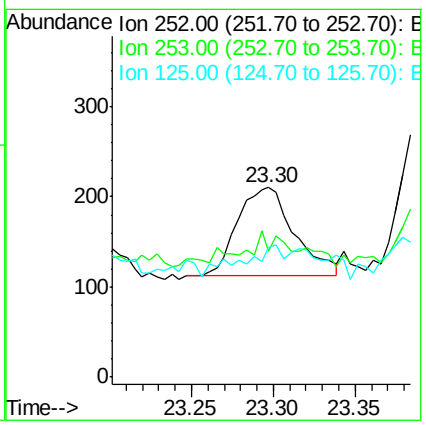


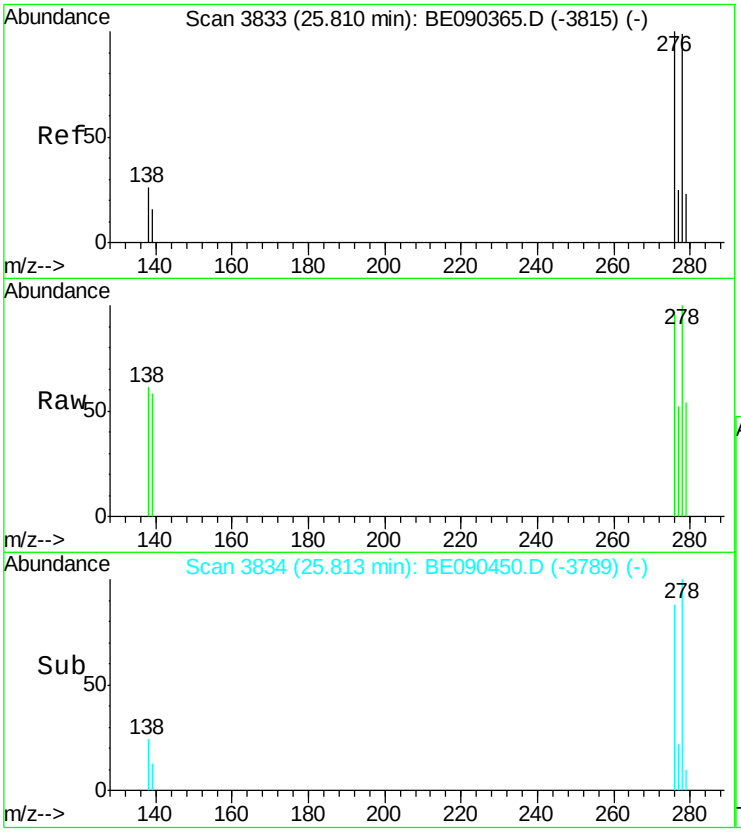




#35
Benzo(a)pyrene
Concen: 0.23 ng
RT: 23.30 min Scan# 3285
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

Tgt Ion:252 Resp: 237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 66.7 | 17.6 | 26.4# |
| 125 | 68.6 | 9.8 | 14.6# |






#36
Dibenzo(a,h)anthracene
Concen: 0.29 ng
RT: 25.81 min Scan# 3834
Delta R.T. 0.00 min
Lab File: BE090450.D
Acq: 12 Aug 2015 4:36

**Instrument :**
BNA_E
**ClientSampleId :**
080715-D534-F-D-M

Tgt Ion:278 Resp: 280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 58.0 | 14.2 | 21.4# |
| 279 | 53.8 | 20.1 | 30.1# |