Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
Data File : BE092849.D
Acq On : 28 Mar 2017 23:22
Operator : SJ/MA
Sample : PB97725BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 29 04:58:19 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 28 14:58:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 8900 | 5.00 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.54 | 136 | 37641 | 5.00 | ng | 0.00 |
| 12) Acenaphthene-d10 | 14.40 | 164 | 14642 | 5.00 | ng | 0.00 |
| 18) Phenanthrene-d10 | 17.13 | 188 | 31741 | 5.00 | ng | -0.02 |
| 24) Chrysene-d12 | 21.28 | 240 | 25572 | 5.00 | ng | -0.02 |
| 31) Perylene-d12 | 23.71 | 264 | 4604 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.36 | 112 | 19731 | 9.52 | ng | 0.00 |
| 5) Phenol-d6 | 6.94 | 99 | 26106 | 8.58 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.92 | 82 | 8404 | 3.89 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.88 | 330 | 2170 | 9.49 | ng | 0.00 |
| 14) 2-Fluorobiphenyl | 13.02 | 172 | 23756 | 4.92 | ng | -0.01 |
| 26) Terphenyl-d14 | 19.76 | 244 | 20082 | 4.54 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 581 | 0.49 | ng | # 90 |
| 3) n-Nitrosodimethylamine | 3.59 | 42 | 126 | 0.10 | ng | # 6 |
| 20) Pentachlorophenol | 16.81 | 266 | 11 | 0.26 | ng | # 74 |
| 23) Fluoranthene | 19.04 | 202 | 827 | 0.02 | ng | # 1 |
| 27) Benzo(a)anthracene | 21.28 | 228 | 149 | 0.02 | ng | # 36 |
| 28) Chrysene | 21.28 | 228 | 154 | 0.02 | ng | # 66 |
| 32) Benzo(b)fluoranthene | 22.96 | 252 | 41 | 0.03 | ng | # 1 |
| 33) Benzo(k)fluoranthene | 23.02 | 252 | 28 | 0.03 | ng | # 1 |
| 35) Dibenzo(a,h)anthracene | 26.27 | 278 | 24 | 0.02 | ng | # 1 |
| 36) Benzo(g,h,i)perylene | 27.02 | 276 | 119 | 0.03 | ng | # 1 |

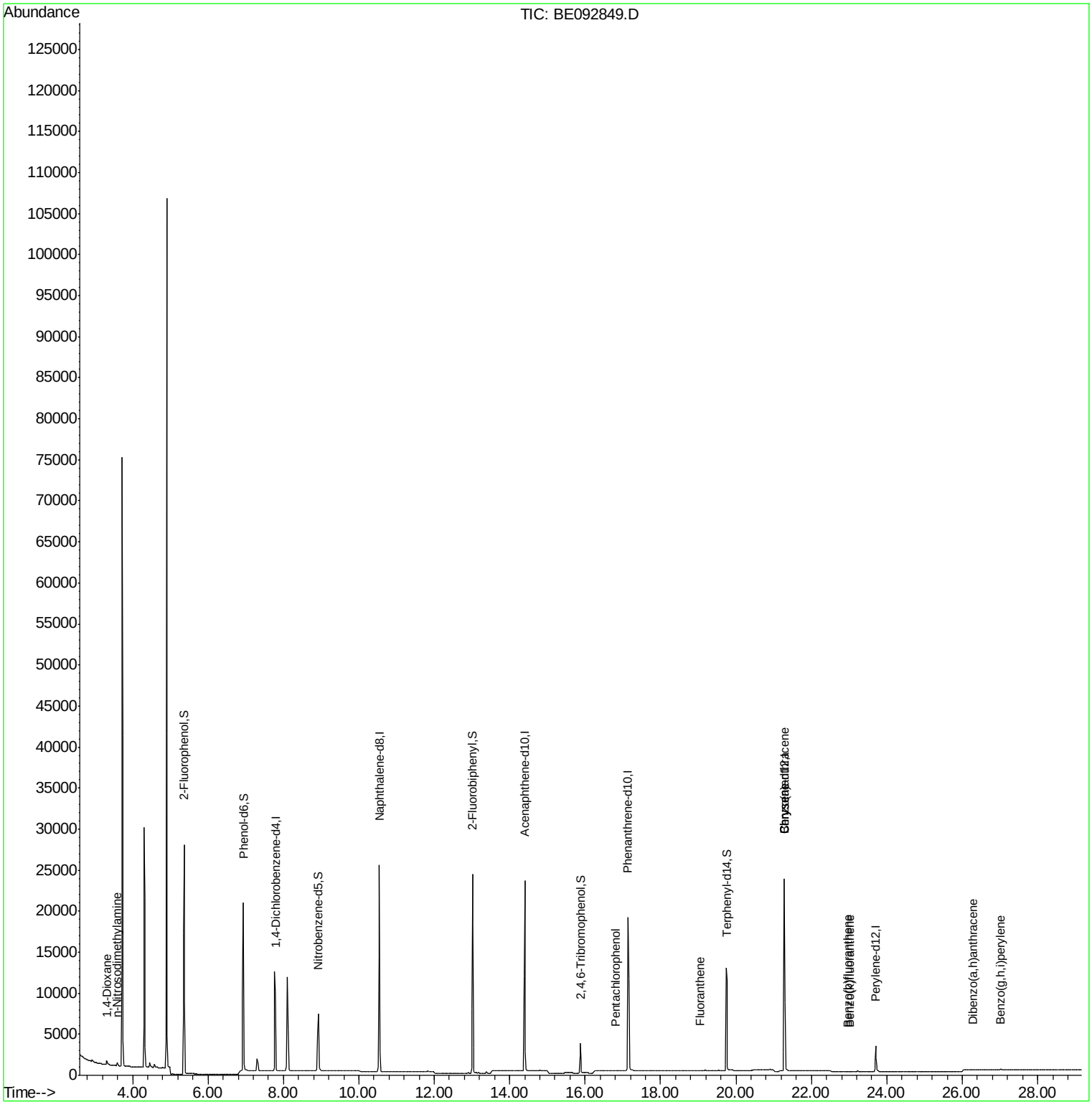
(#) = qualifier out of range (m) = manual integration (+) = signals summed

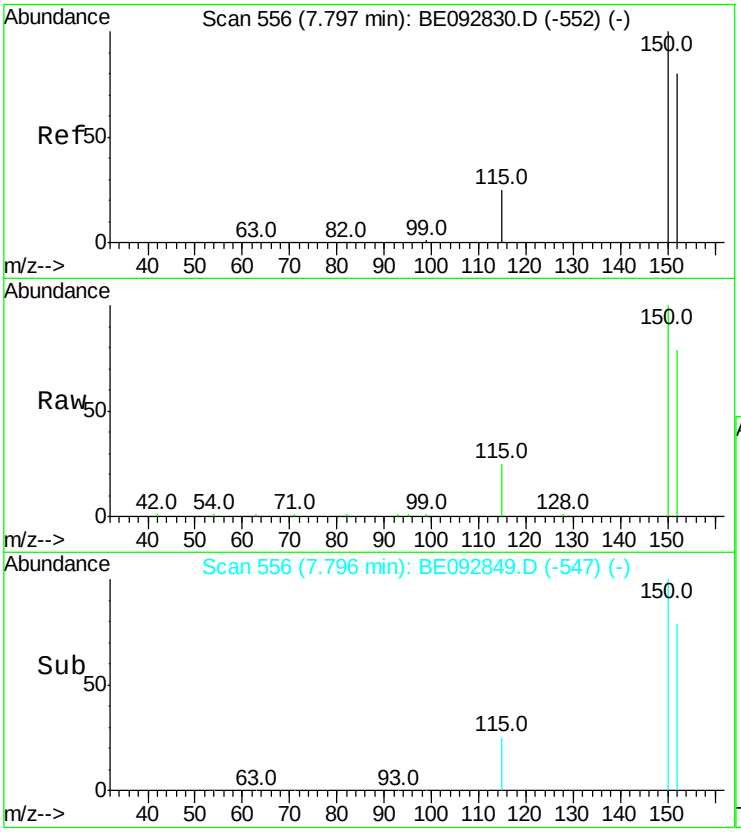
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032817\
Data File : BE092849.D
Acq On : 28 Mar 2017 23:22
Operator : SJ/MA
Sample : PB97725BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Mar 29 04:58:19 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 28 14:58:05 2017
Response via : Initial Calibration



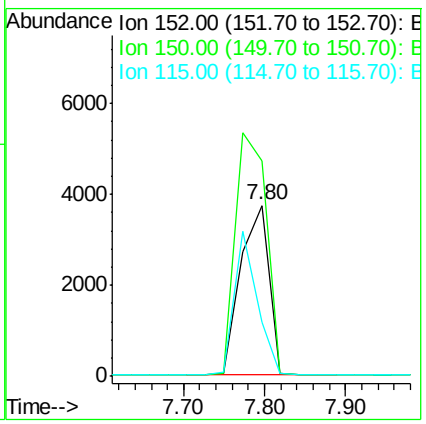


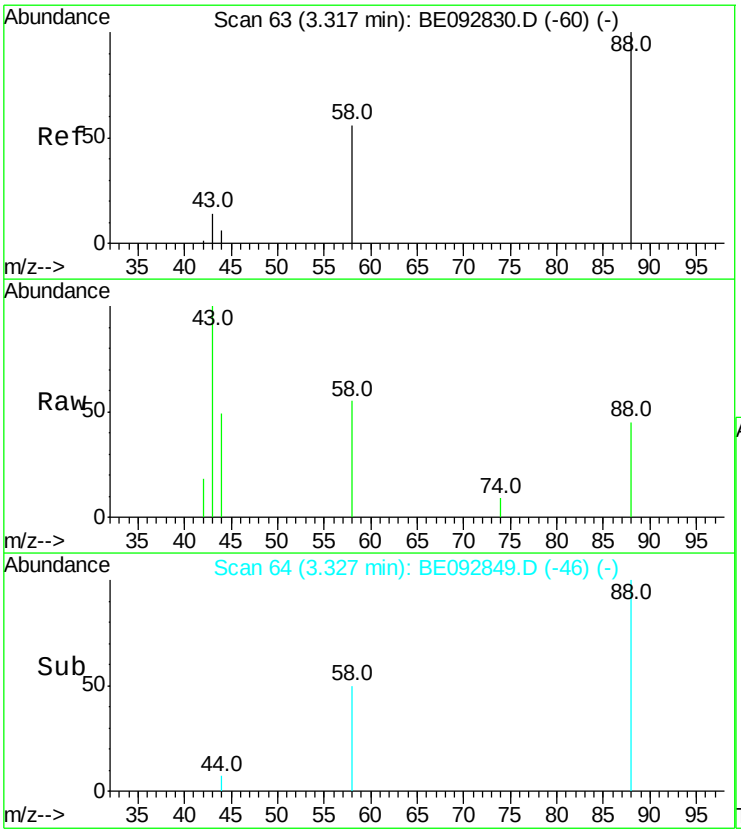

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 556
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:152 Resp: 8900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 126.0 | 106.0 | 159.0 |
| 115 | 32.0 | 31.2 | 46.8 |

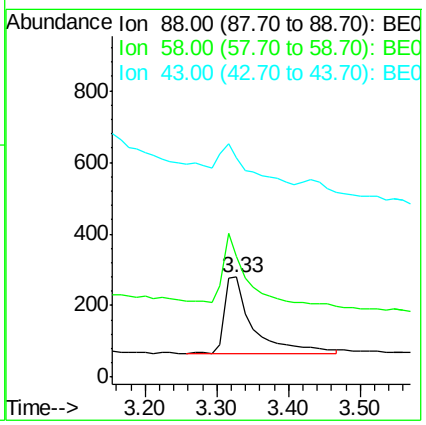


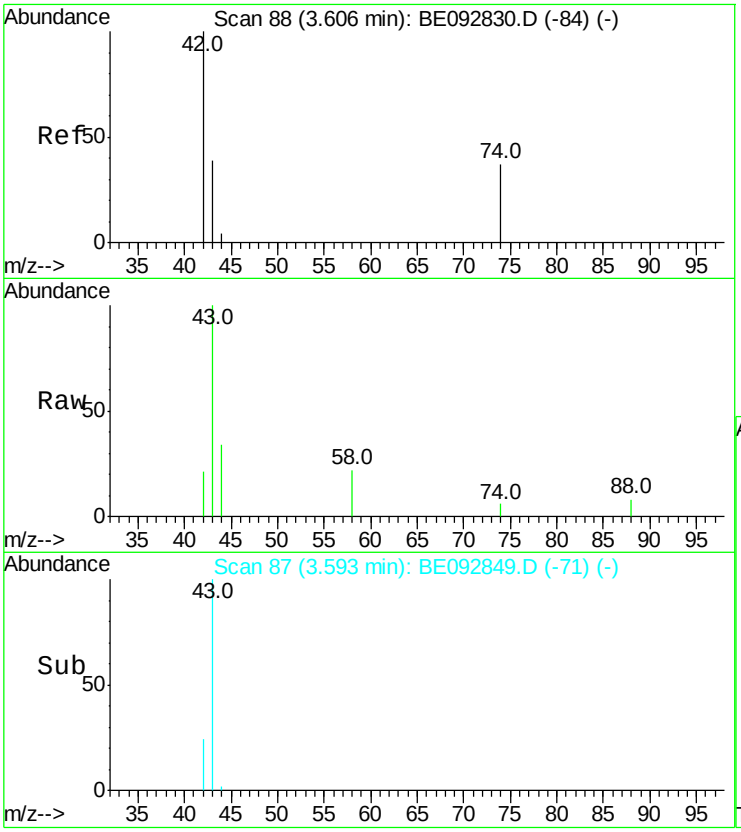




#2
1,4-Dioxane
Concen: 0.49 ng
RT: 3.33 min Scan# 64
Delta R.T. 0.01 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion: 88 Resp: 581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 83.1 | 63.6 | 95.4 |
| 43 | 49.1 | 28.0 | 42.0# |



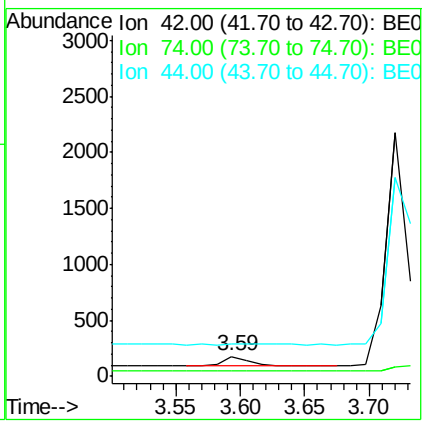


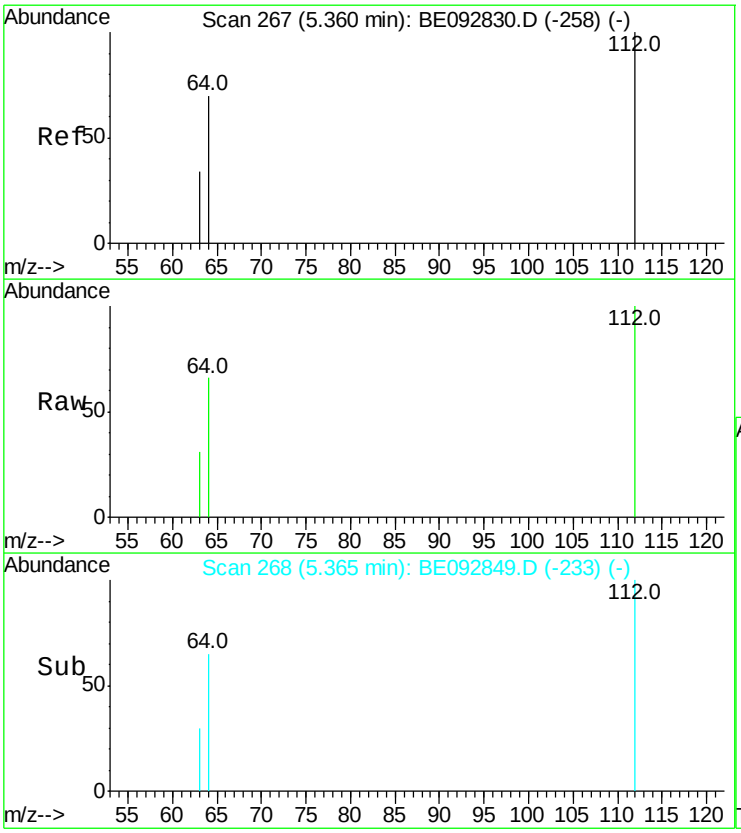

#3
n-Nitrosodimethylamine
Concen: 0.10 ng
RT: 3.59 min Scan# 87
Delta R.T. -0.01 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion: 42 Resp: 126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 4.8 | 86.0 | 129.0# |
| 44 | 0.0 | 5.1 | 7.7# |

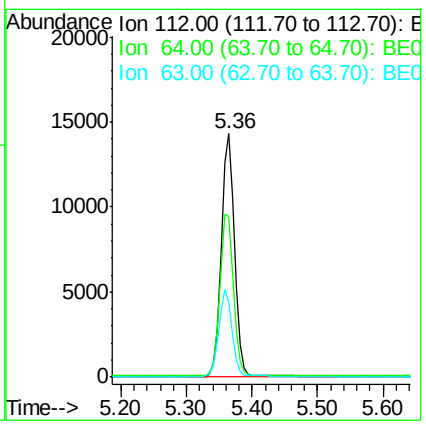


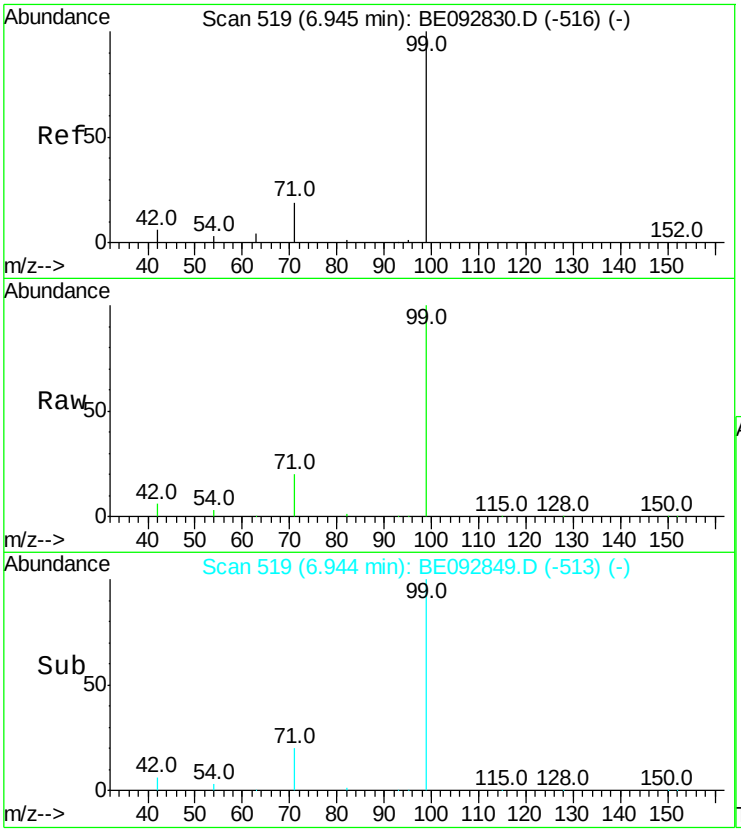




#4
2-Fluorophenol
Concen: 9.52 ng
RT: 5.36 min Scan# 268
Delta R.T. 0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:112 Resp: 19731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.0 | 53.5 | 80.3 |
| 63 | 35.5 | 27.9 | 41.9 |



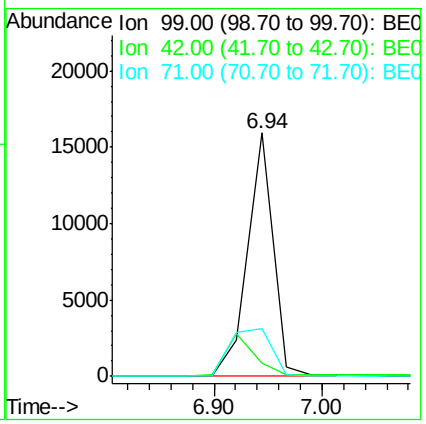


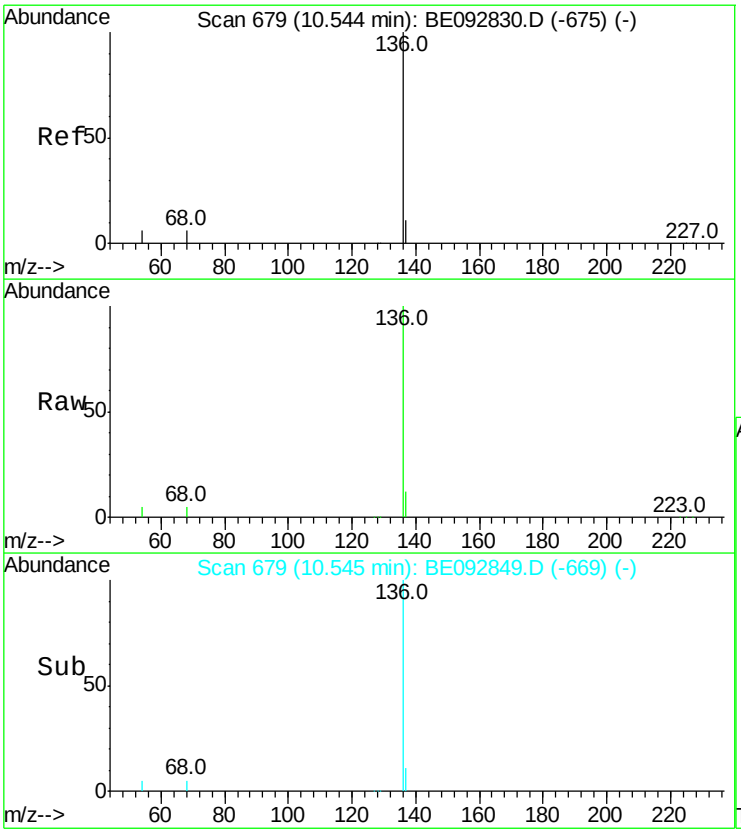

#5
Phenol-d6
Concen: 8.58 ng
RT: 6.94 min Scan# 519
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion: 99 Resp: 26106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 16.0 | 24.0# |
| 71 | 31.7 | 30.6 | 45.8 |

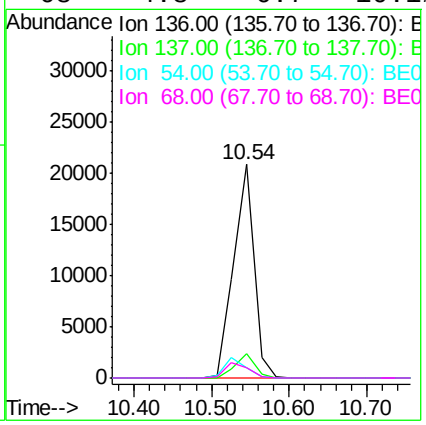


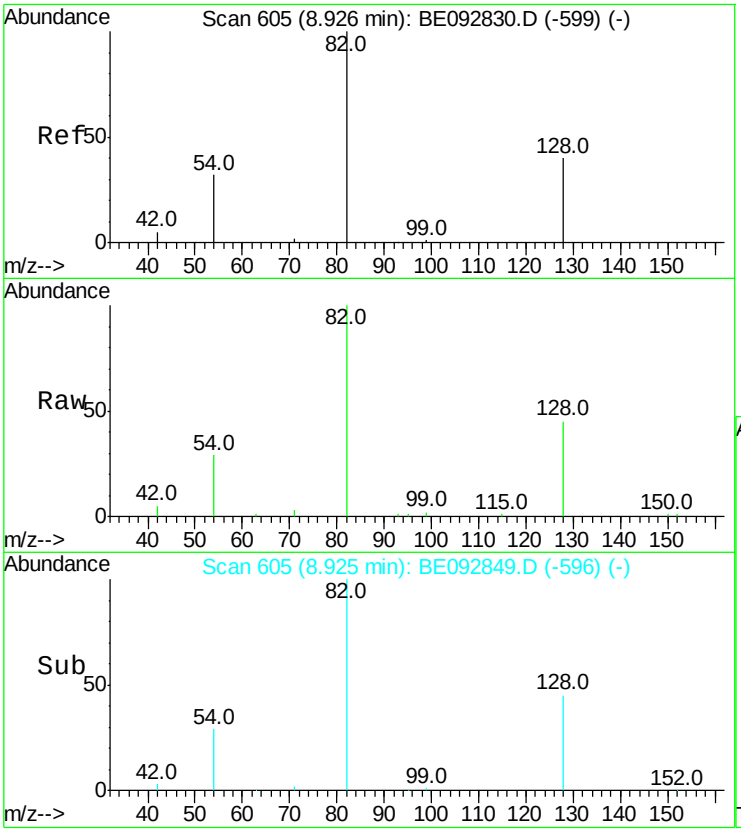




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.54 min Scan# 679
Delta R.T. 0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:136 Resp: 37641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 8.2 | 12.4 |
| 54 | 4.9 | 9.6 | 14.4# |
| 68 | 4.8 | 6.7 | 10.1# |



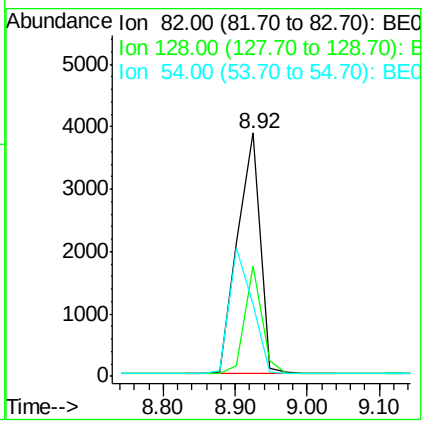


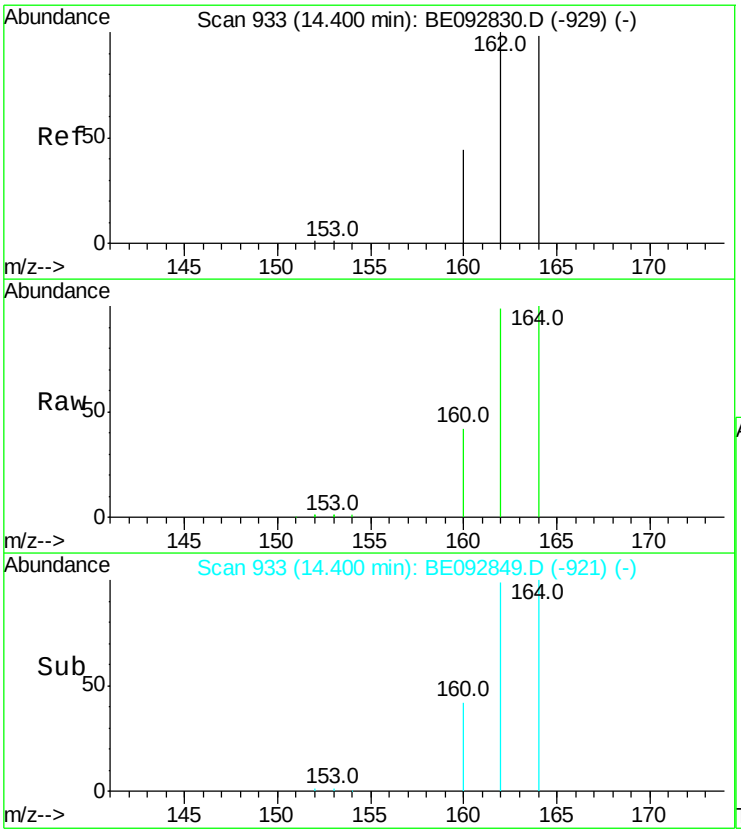

#8
Nitrobenzene-d5
Concen: 3.89 ng
RT: 8.92 min Scan# 605
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion: 82 Resp: 8404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.4 | 39.0 | 58.4 |
| 54 | 29.5 | 44.8 | 67.2# |

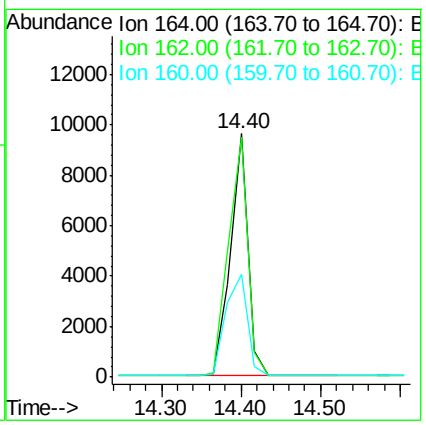


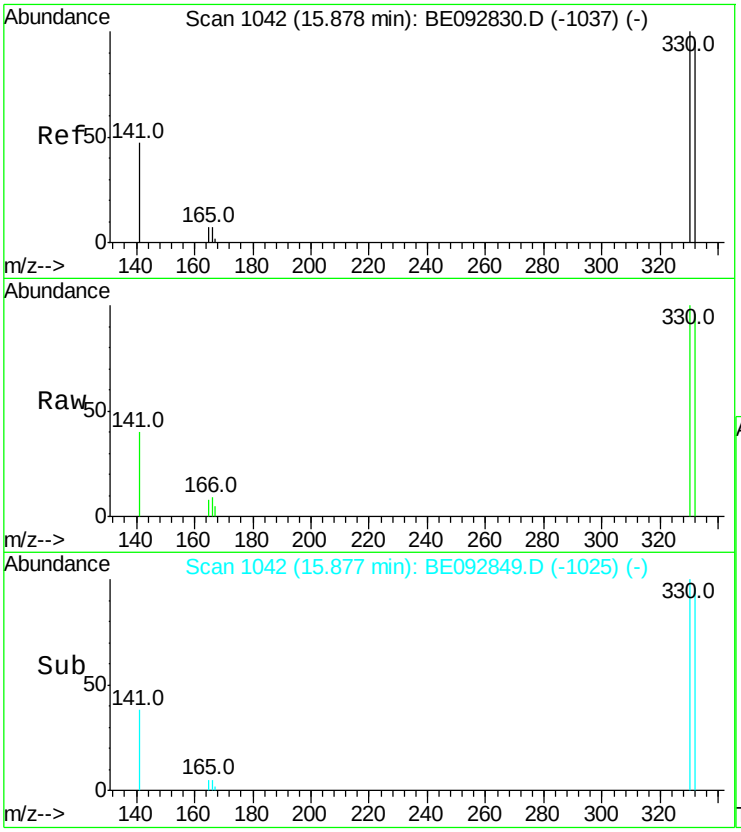




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 933
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:164 Resp: 14642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 71.4 | 107.0 |
| 160 | 42.1 | 27.4 | 41.2# |



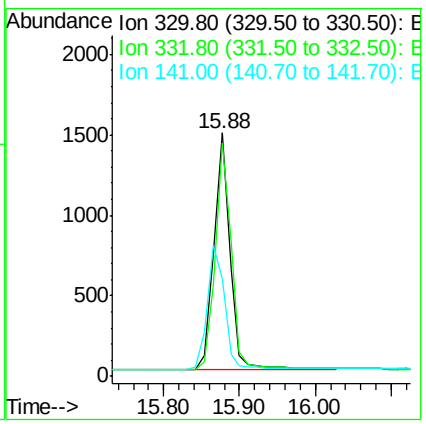


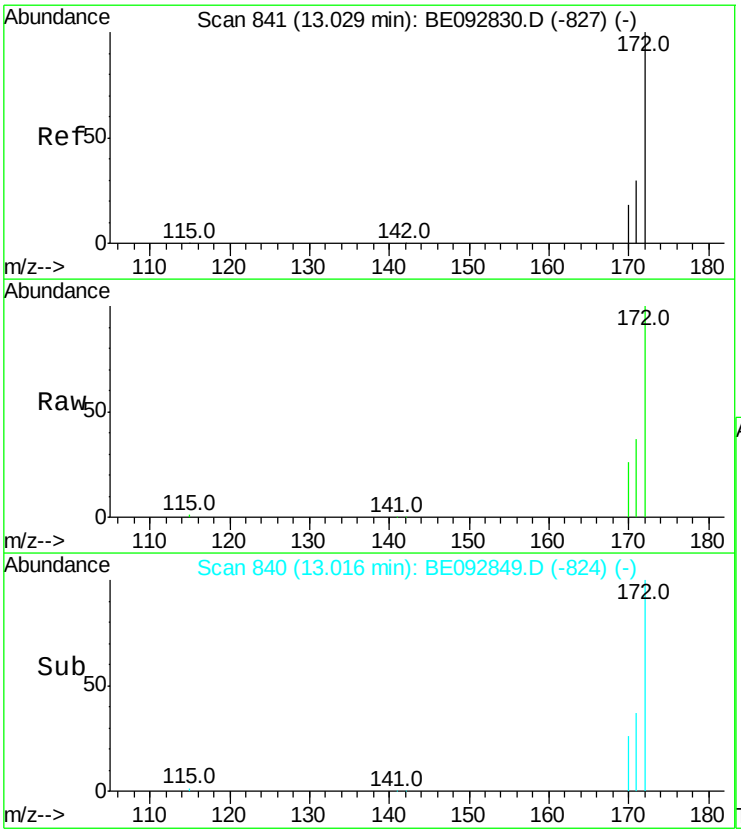

#13
2,4,6-Tribromophenol
Concen: 9.49 ng
RT: 15.88 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:330 Resp: 2170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 75.4 | 113.0 |
| 141 | 56.1 | 31.0 | 46.6# |

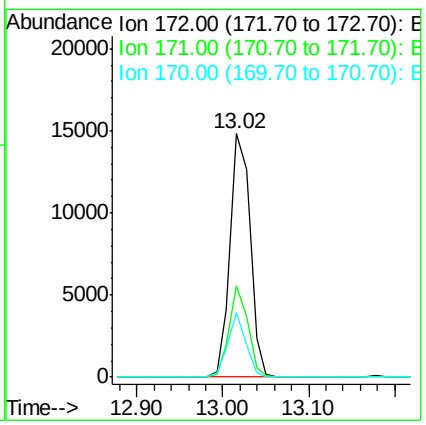


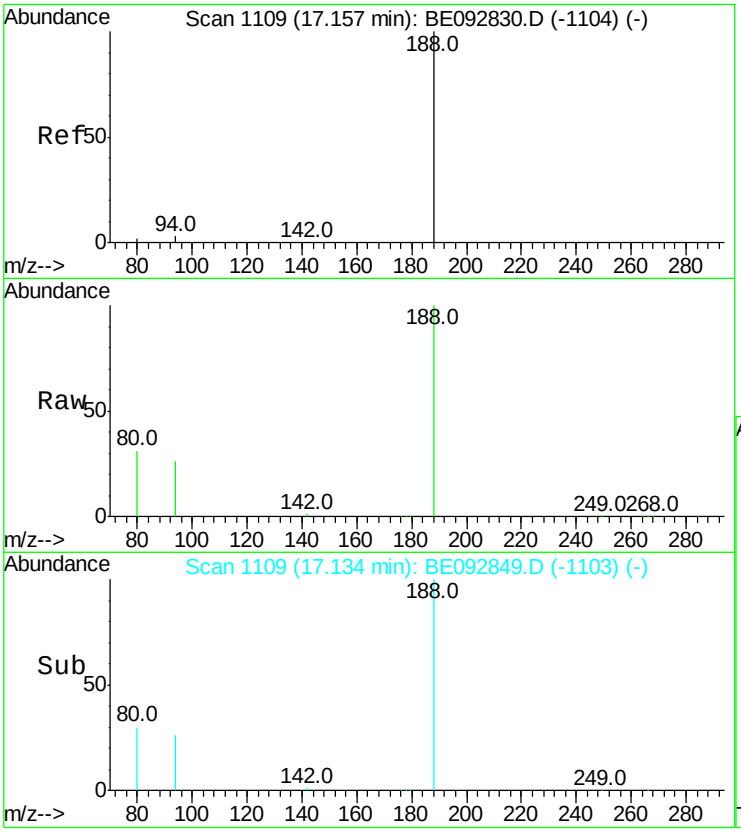




#14
2-Fluorobiphenyl
Concen: 4.92 ng
RT: 13.02 min Scan# 840
Delta R.T. -0.01 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:172 Resp: 23756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.3 | 30.1 | 45.1 |
| 170 | 26.2 | 21.8 | 32.6 |



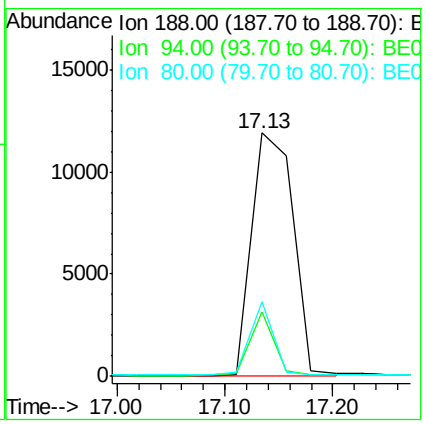


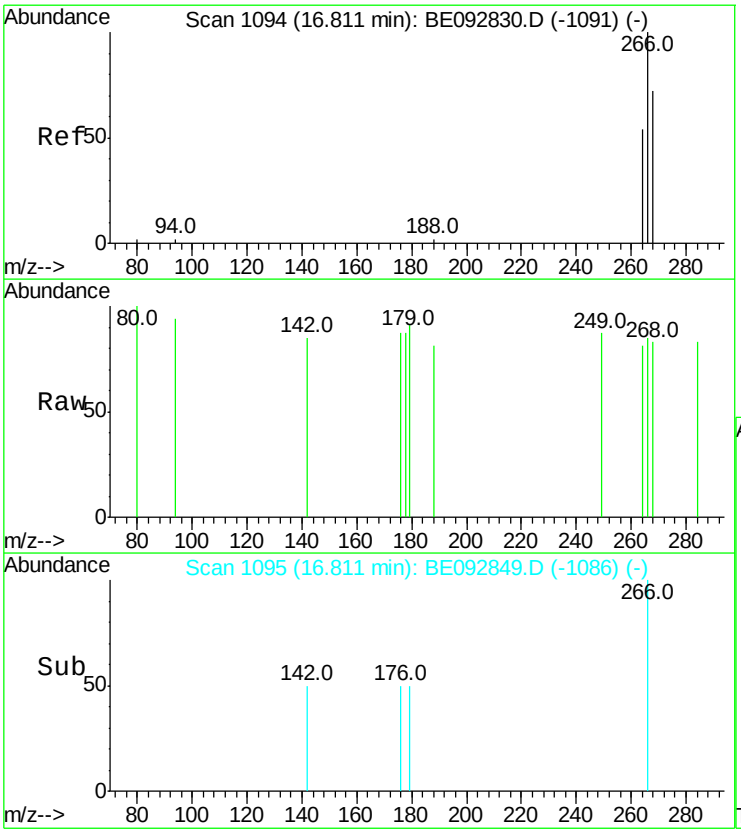

#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.13 min Scan# 1109
Delta R.T. -0.02 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:188 Resp: 31741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 26.3 | 3.2 | 4.8# |
| 80 | 30.7 | 2.6 | 3.8# |

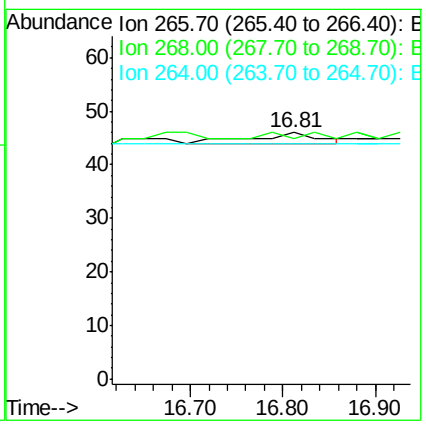


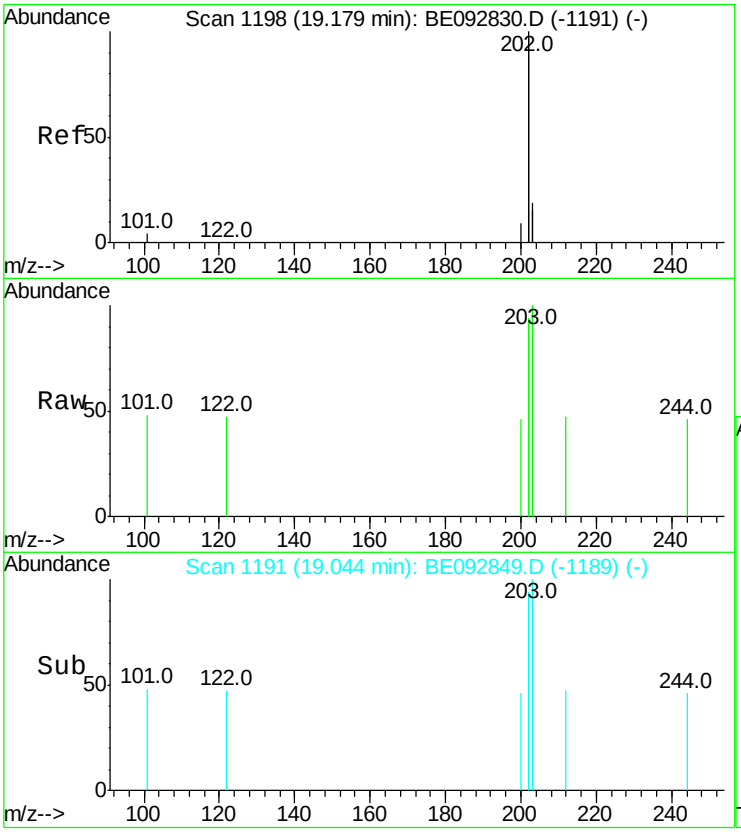




#20
Pentachlorophenol
Concen: 0.26 ng
RT: 16.81 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:266 Resp: 11

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 97.8 | 62.5 | 93.7# |
| 264 | 95.7 | 57.2 | 85.8# |



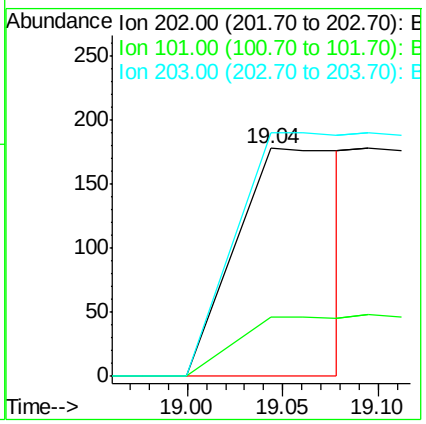


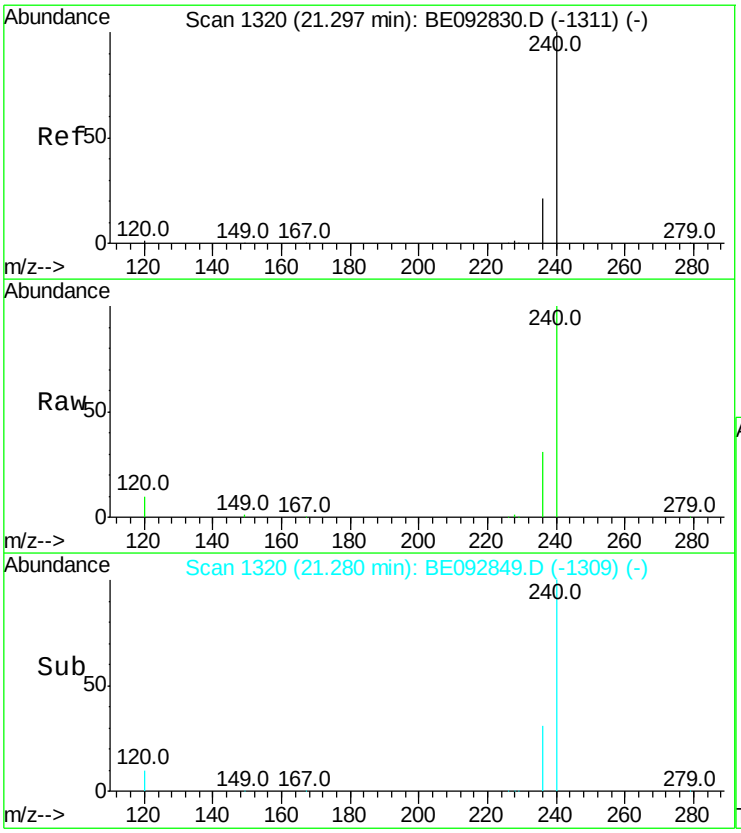

#23
Fluoranthene
Concen: 0.02 ng
RT: 19.04 min Scan# 1191
Delta R.T. -0.14 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:202 Resp: 827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 2.2 | 3.4# |
| 203 | 177.0 | 13.7 | 20.5# |

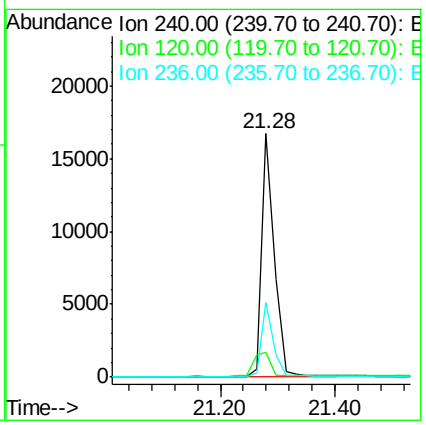


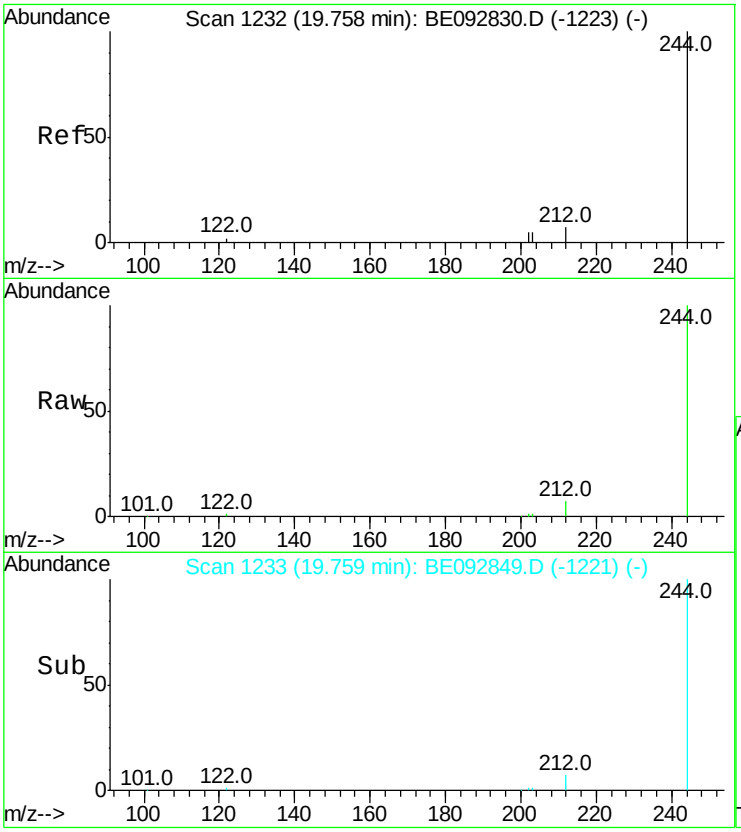




#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.28 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:240 Resp: 25572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 2.6 | 4.0# |
| 236 | 30.7 | 24.6 | 37.0 |



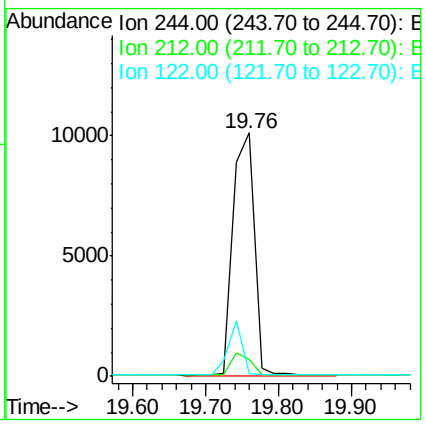


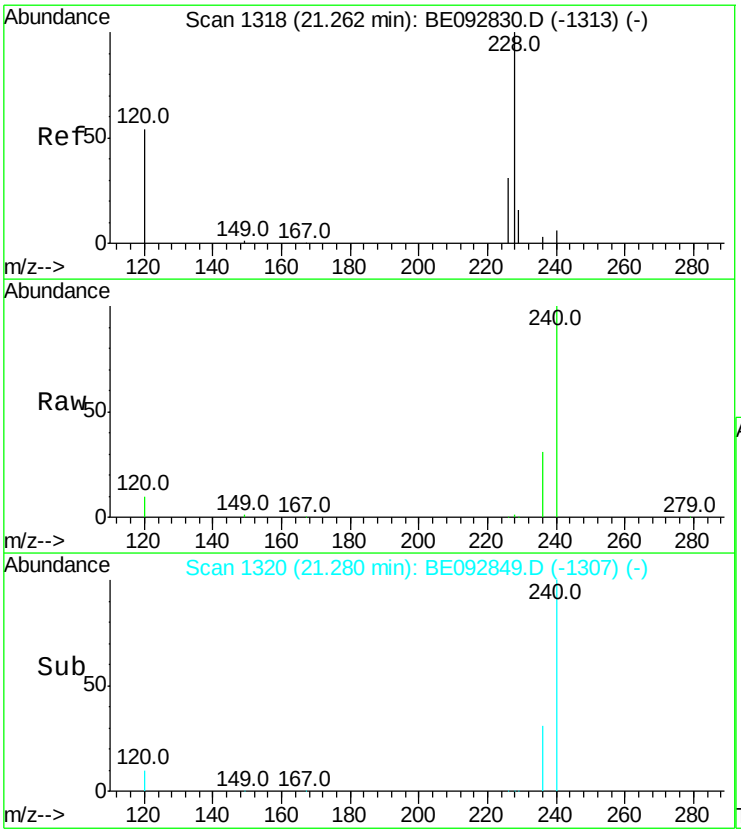

#26
Terphenyl-d14
Concen: 4.54 ng
RT: 19.76 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:244 Resp: 20082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 6.7 | 10.1 |
| 122 | 1.4 | 3.6 | 5.4# |

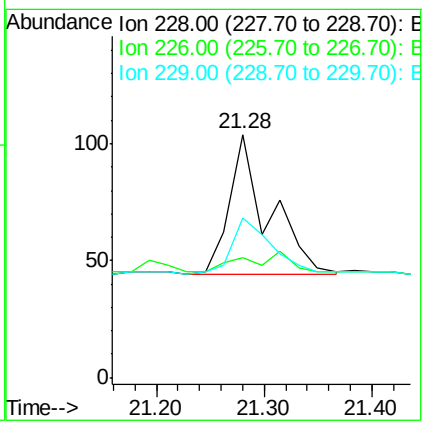


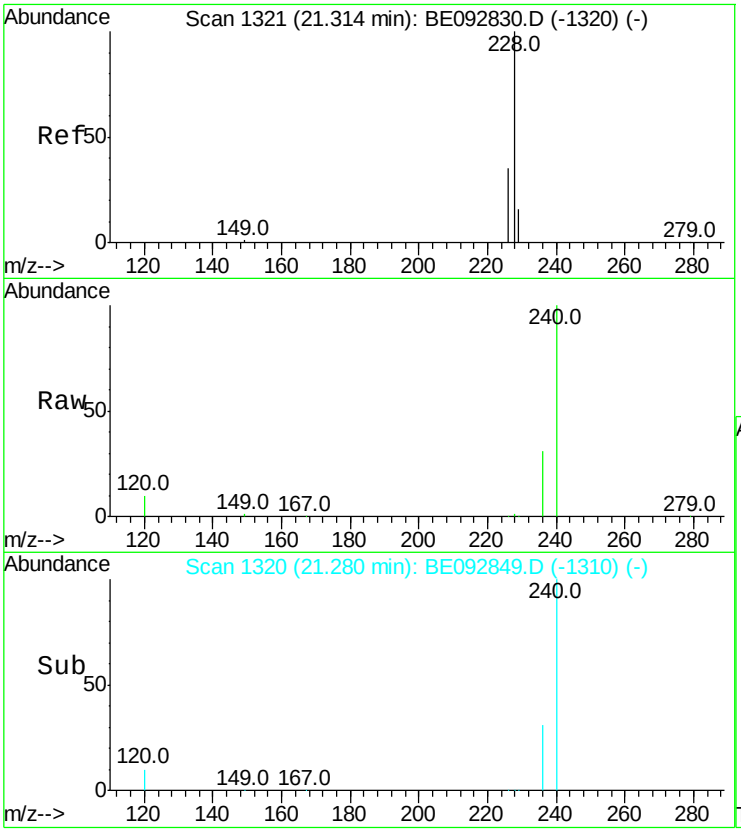




#27
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.28 min Scan# 1320
Delta R.T. 0.02 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:228 Resp: 149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 49.0 | 23.6 | 35.4# |
| 229 | 65.4 | 13.3 | 19.9# |



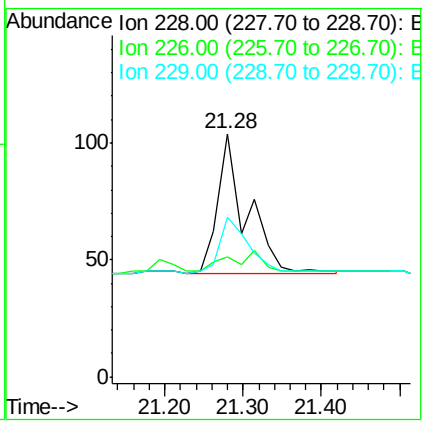


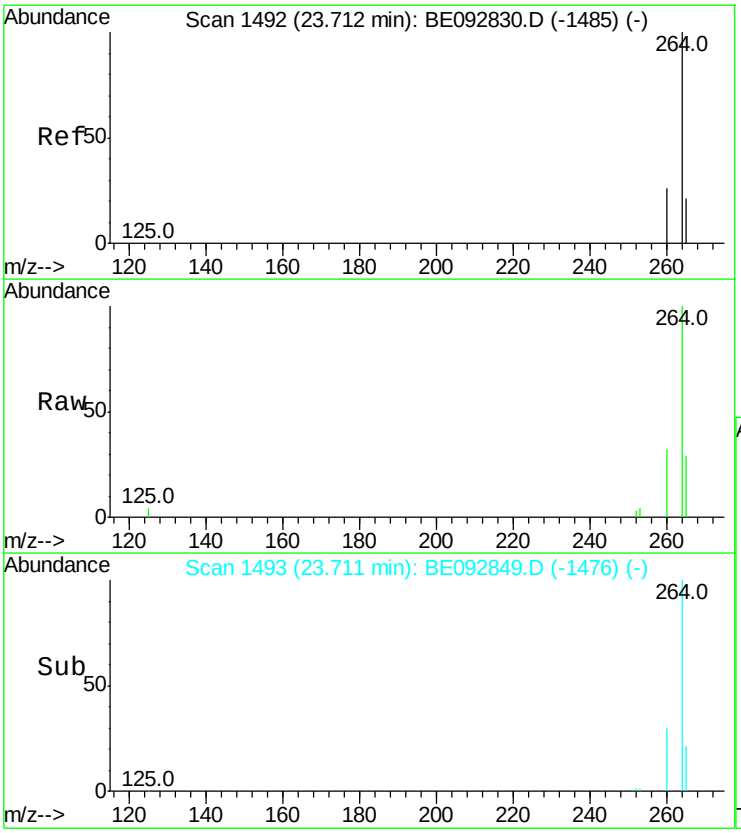

#28
Chrysene
Concen: 0.02 ng
RT: 21.28 min Scan# 1320
Delta R.T. -0.03 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:228 Resp: 154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 49.0 | 36.3 | 54.5 |
| 229 | 65.4 | 10.6 | 16.0# |

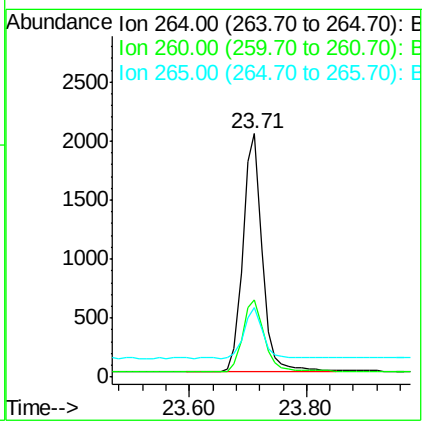


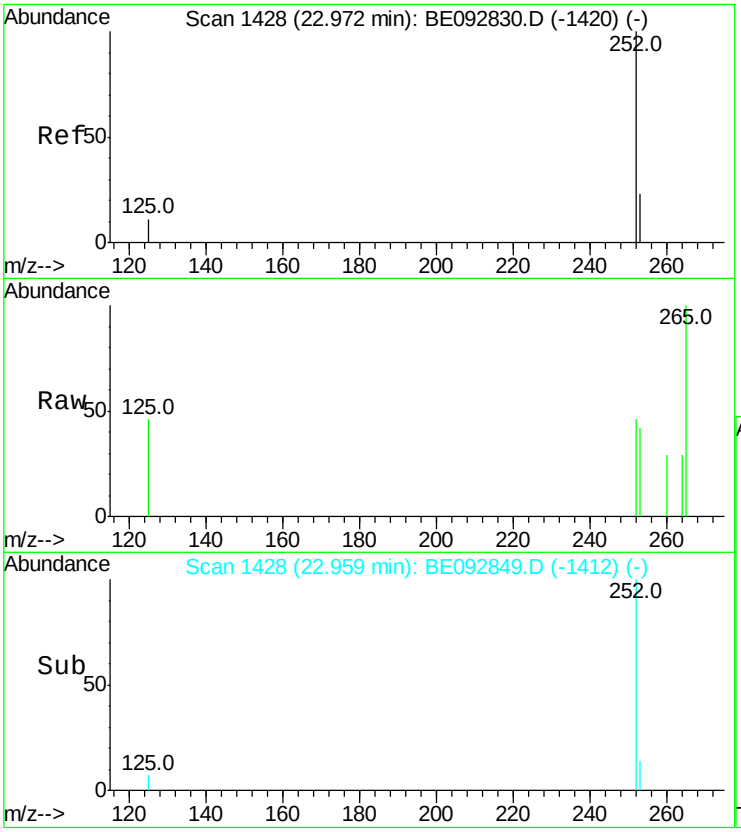




#31
Perylene-d12
Concen: 5.00 ng
RT: 23.71 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:264 Resp: 4604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 31.9 | 20.1 | 30.1# |
| 265 | 28.7 | 17.9 | 26.9# |



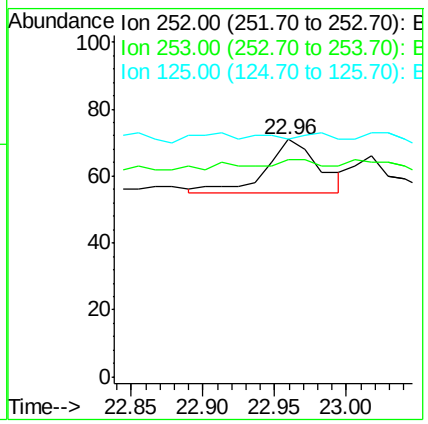


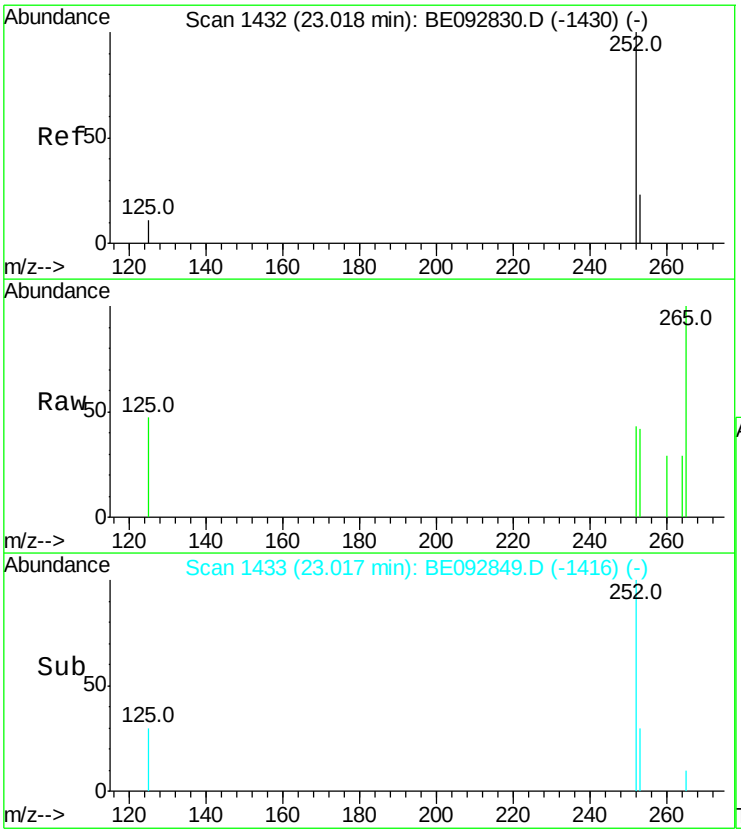

#32
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.96 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:252 Resp: 41

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 91.5 | 18.7 | 28.1# |
| 125 | 100.0 | 10.5 | 15.7# |

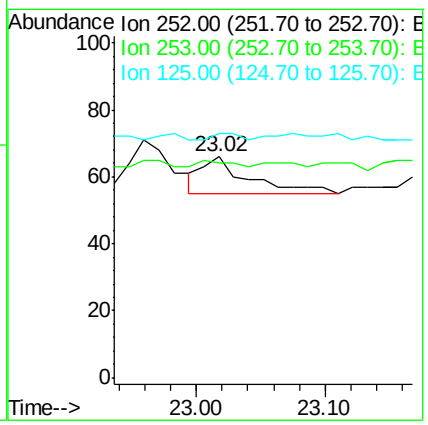


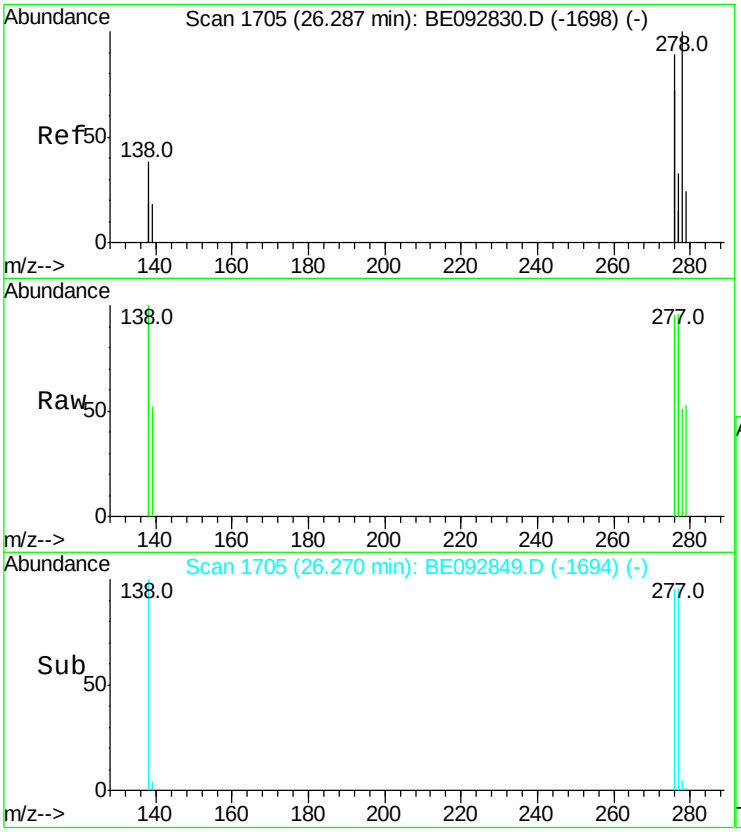




#33
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.02 min Scan# 1433
Delta R.T. -0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:252 Resp: 28

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 97.0 | 20.3 | 30.5# |
| 125 | 110.6 | 9.6 | 14.4# |



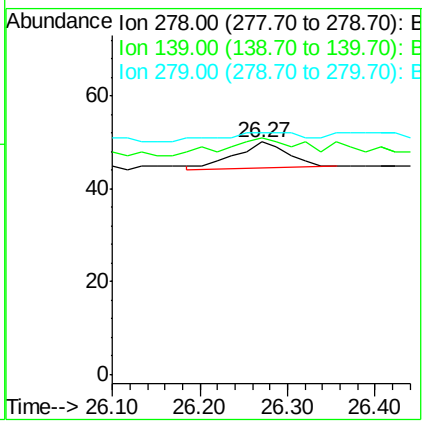


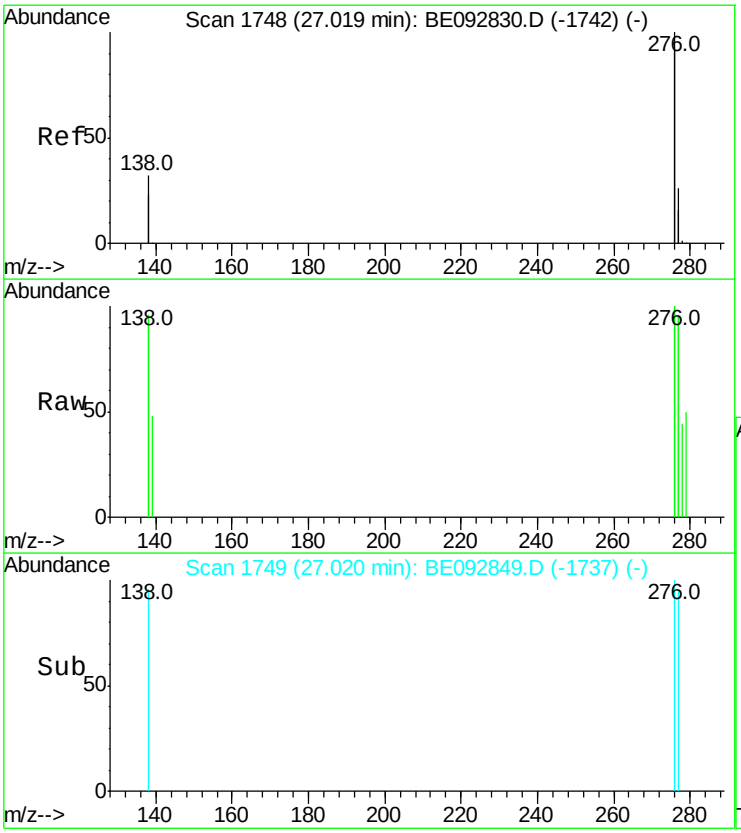

#35
Dibenzo(a,h)anthracene
Concen: 0.02 ng
RT: 26.27 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

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

Tgt Ion:278 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 102.0 | 13.8 | 20.8# |
| 279 | 104.0 | 21.4 | 32.2# |




#36
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 27.02 min Scan# 1749
Delta R.T. 0.00 min
Lab File: BE092849.D
Acq: 28 Mar 2017 23:22

Tgt Ion:276 Resp: 119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 95.0 | 19.8 | 29.8# |
| 138 | 96.0 | 19.8 | 29.6# |