Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
Data File : BE090769.D
Acq On : 10 Sep 2015 19:57
Operator : UM/IZ
Sample : G3598-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** 090815-D534-F-D-S

Quant Time: Sep 11 02:53:30 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 37596 | 5.00 | ng | 0.00 |
| 6) Naphthalene-d8 | 10.31 | 136 | 166749 | 5.00 | ng | 0.00 |
| 12) Acenaphthene-d10 | 14.17 | 164 | 86521 | 5.00 | ng | 0.00 |
| 18) Phenanthrene-d10 | 16.91 | 188 | 211969 | 5.00 | ng | 0.00 |
| 25) Chrysene-d12 | 21.07 | 240 | 256052 | 5.00 | ng | 0.00 |
| 32) Perylene-d12 | 23.36 | 264 | 231675 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.19 | 112 | 25651 | 3.51 | ng | 0.00 |
| 5) Phenol-d6 | 6.76 | 99 | 21552 | 2.06 | ng | 0.00 |
| 7) Nitrobenzene-d5 | 8.71 | 82 | 44533 | 4.04 | ng | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.68 | 330 | 21854 | 8.59 | ng | 0.00 |
| 14) 2-Fluorobiphenyl | 12.79 | 172 | 99299 | 4.14 | ng | 0.00 |
| 27) Terphenyl-d14 | 19.53 | 244 | 178129 | 6.29 | ng | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.15 | 88 | 94 | Below Cal | # | 1 |
| 3) n-Nitrosodimethylamine | 3.45 | 42 | 59 | Below Cal | # | 1 |
| 8) Nitrobenzene | 8.78 | 77 | 32 | 0.11 | ng | # 82 |
| 20) Hexachlorobenzene | 16.23 | 284 | 234 | Below Cal | # | 1 |
| 21) Pentachlorophenol | 16.60 | 266 | 44 | 0.47 | ng | # 65 |
| 29) Chrysene | 21.11 | 228 | 734 | Below Cal | # | 82 |
| 30) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 1668 | 0.18 | ng | # 98 |
| 36) Dibenzo(a,h)anthracene | 25.75 | 278 | 287 | 0.14 | ng | # 1 |

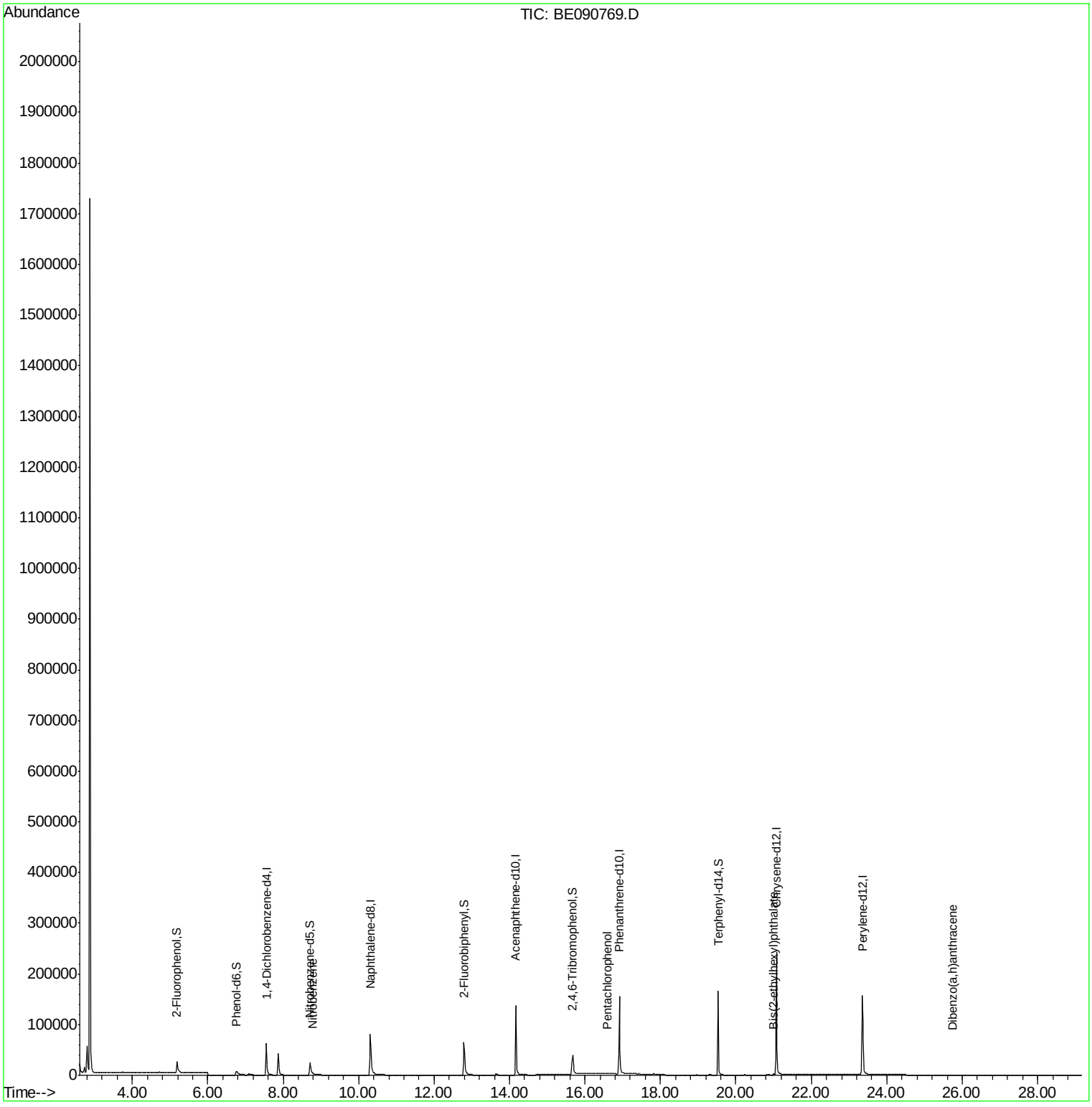
(#) = qualifier out of range (m) = manual integration (+) = signals summed

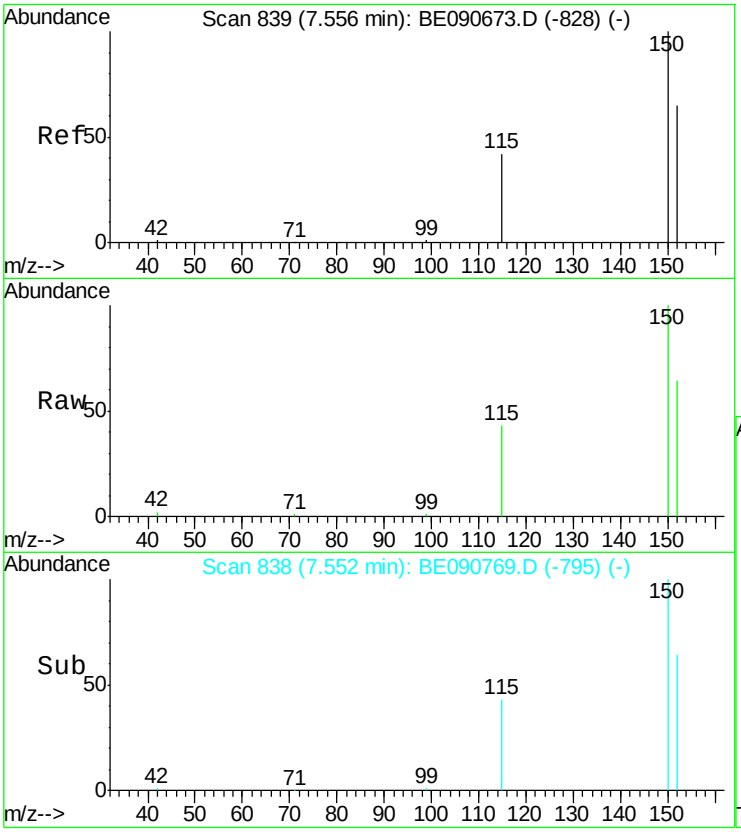
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091015\
Data File : BE090769.D
Acq On : 10 Sep 2015 19:57
Operator : UM/IZ
Sample : G3598-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Quant Time: Sep 11 02:53:30 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 11:40:50 2015
Response via : Initial Calibration



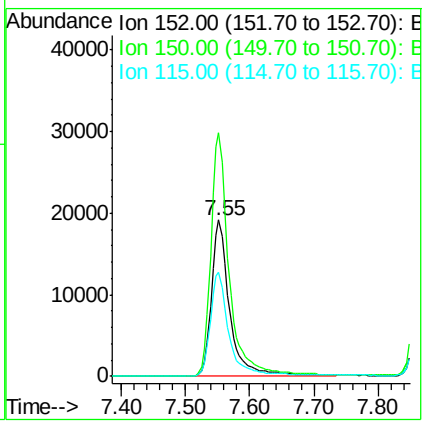


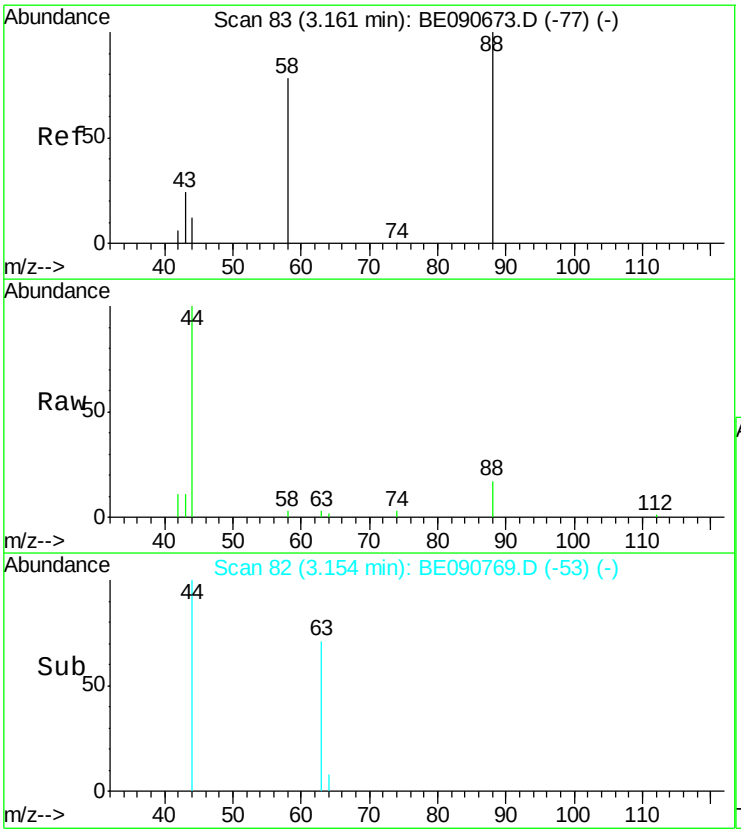

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 838
Delta R.T. -0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:152 Resp: 37596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 122.2 | 183.4 |
| 115 | 66.9 | 51.0 | 76.4 |

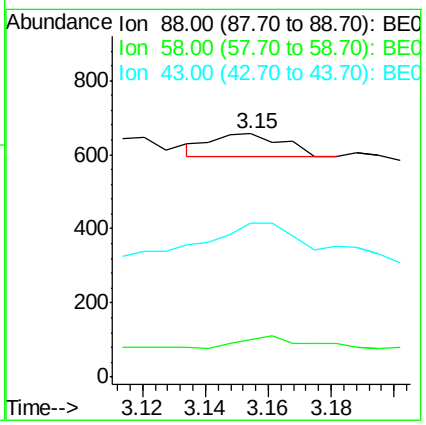


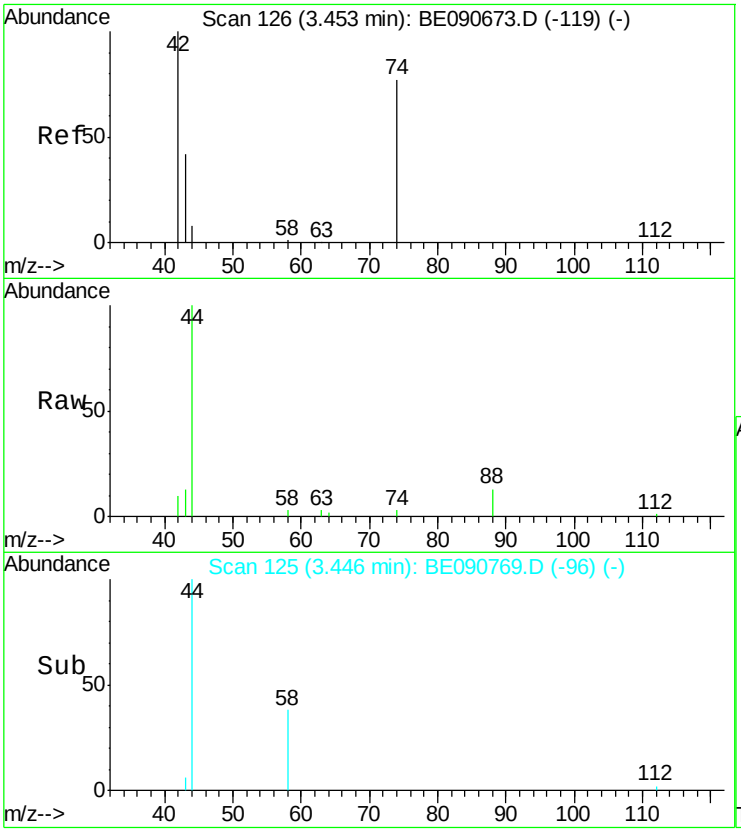




#2
1,4-Dioxane
Concen: Below Cal
RT: 3.15 min Scan# 82
Delta R.T. -0.01 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion: 88 Resp: 94

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 57.4 | 68.4 | 102.6# |
| 43 | 291.5 | 26.9 | 40.3# |



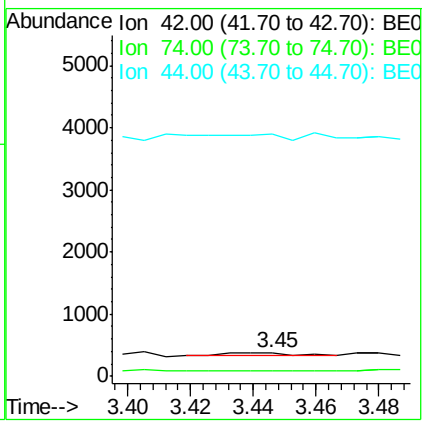


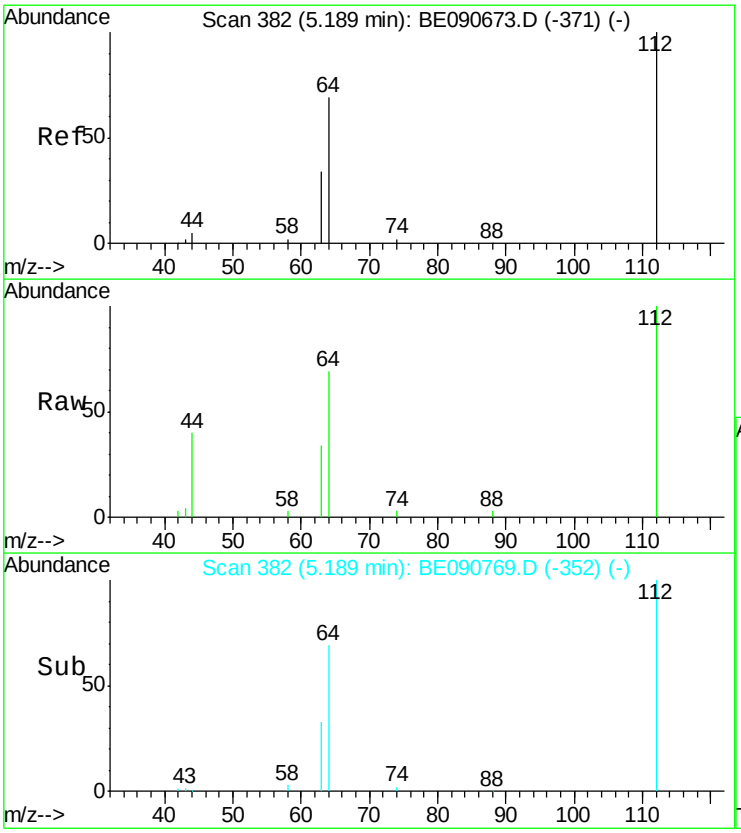

#3
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.45 min Scan# 125
Delta R.T. -0.01 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion: 42 Resp: 59

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 11.9 | 83.7 | 125.5# |
| 44 | 161.0 | 10.0 | 15.0# |

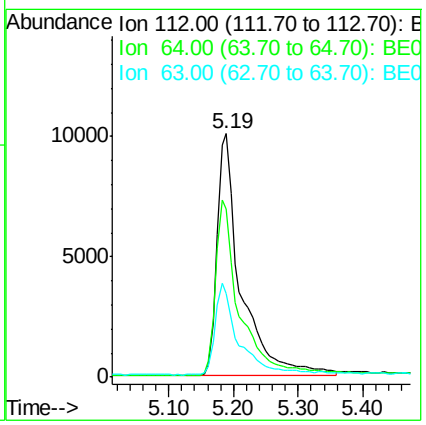


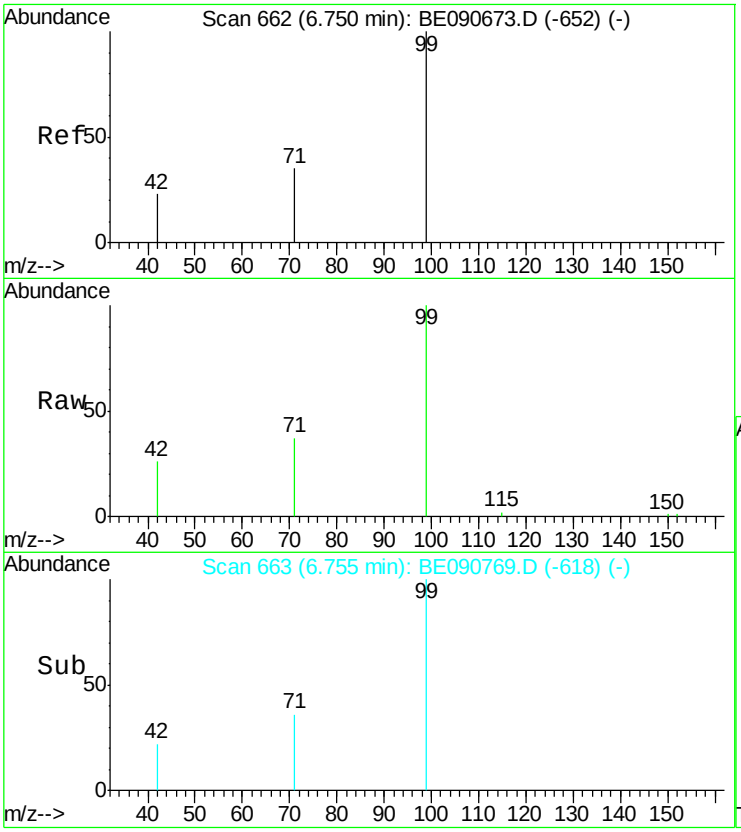




#4
2-Fluorophenol
Concen: 3.51 ng
RT: 5.19 min Scan# 382
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:112 Resp: 25651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.3 | 57.3 | 85.9 |
| 63 | 37.5 | 29.2 | 43.8 |



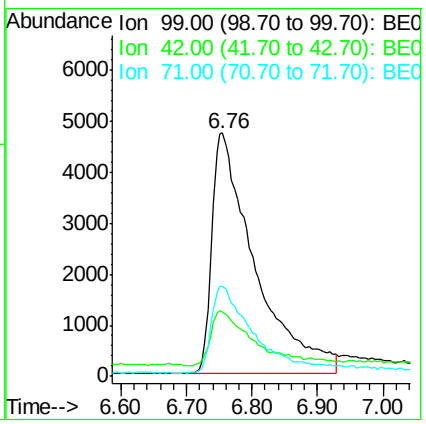


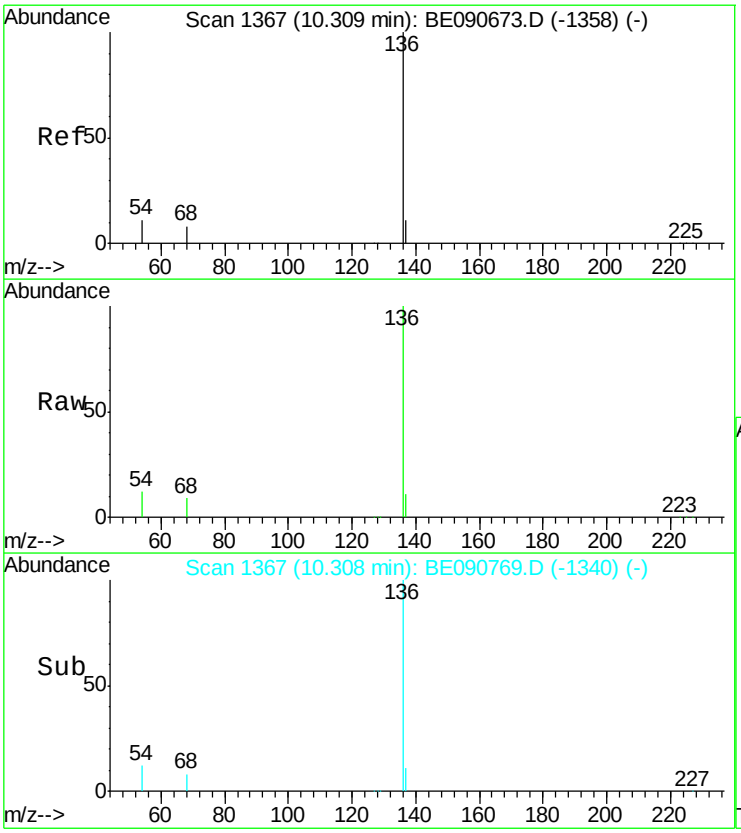

#5
Phenol-d6
Concen: 2.06 ng
RT: 6.76 min Scan# 663
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion: 99 Resp: 21552

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.6 | 16.8 | 25.2 |
| 71 | 36.1 | 28.3 | 42.5 |

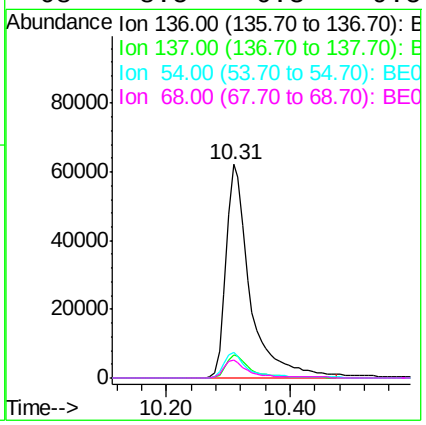


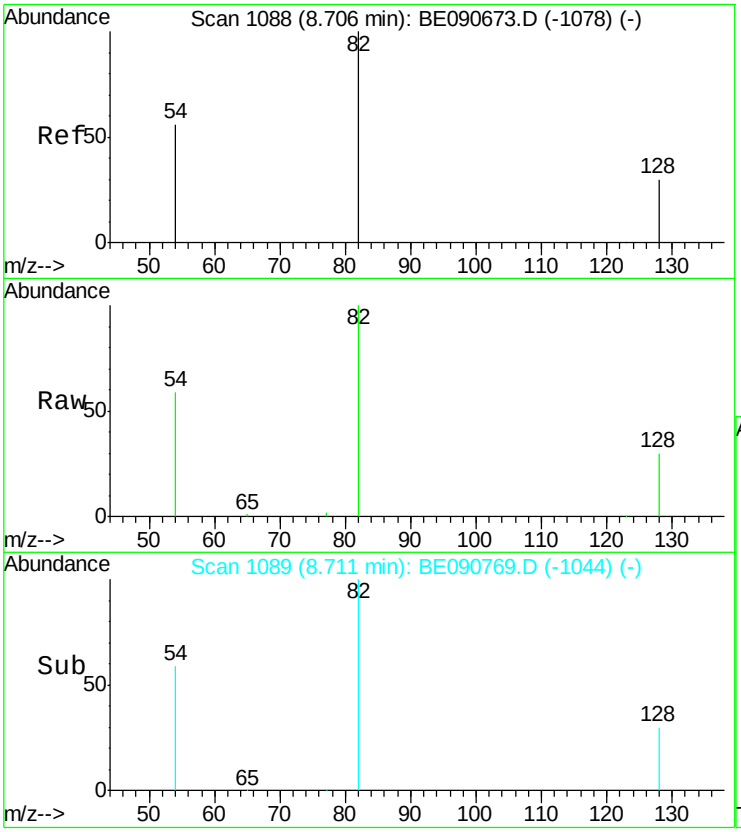




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.31 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:136 Resp: 166749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 12.1 | 9.0 | 13.6 |
| 68 | 8.5 | 6.3 | 9.5 |



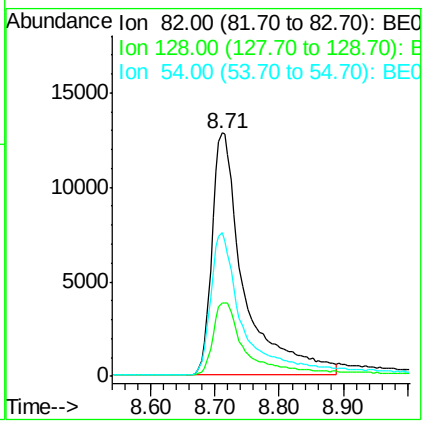


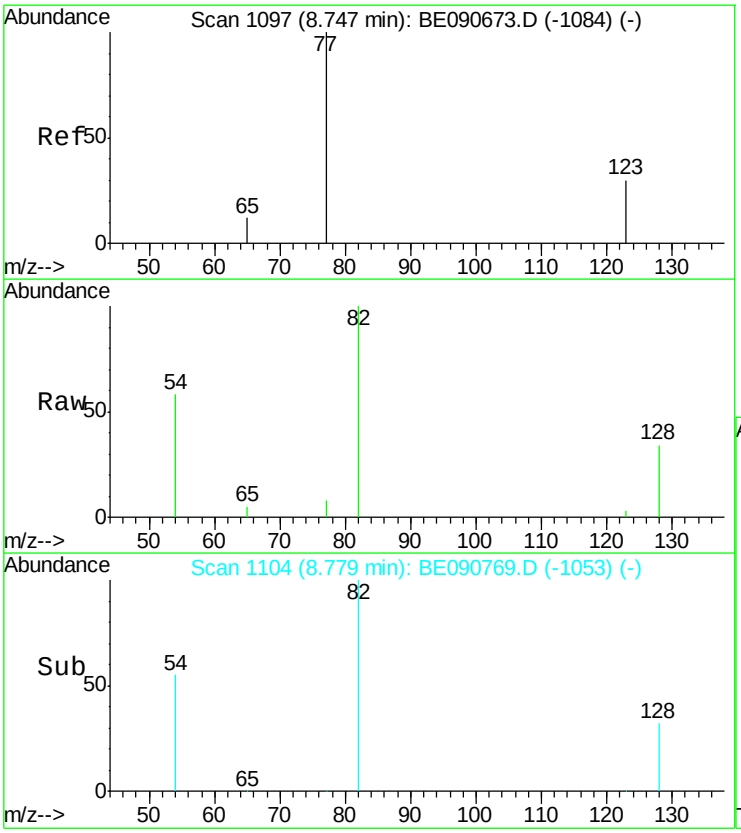

#7
Nitrobenzene-d5
Concen: 4.04 ng
RT: 8.71 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion: 82 Resp: 44533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 30.1 | 25.0 | 37.4 |
| 54 | 59.0 | 46.3 | 69.5 |

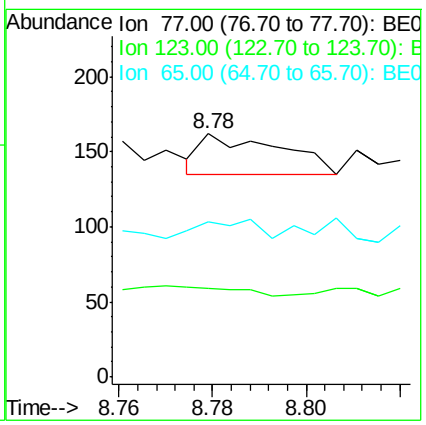


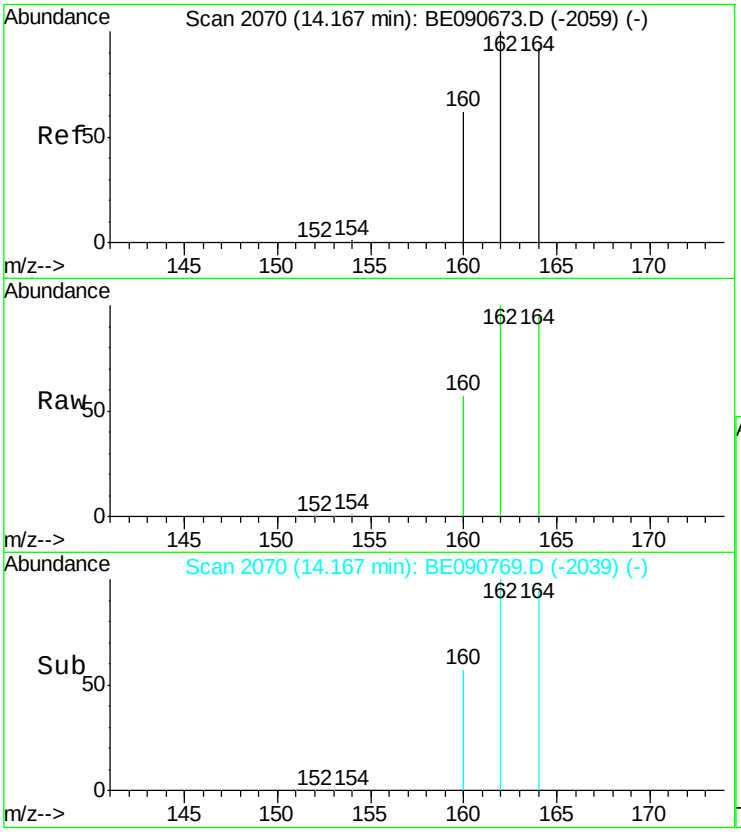




#8
Nitrobenzene
Concen: 0.11 ng
RT: 8.78 min Scan# 1104
Delta R.T. 0.03 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion: 77 Resp: 32

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 28.1 | 25.1 | 37.7 |
| 65 | 31.3 | 9.9 | 14.9# |



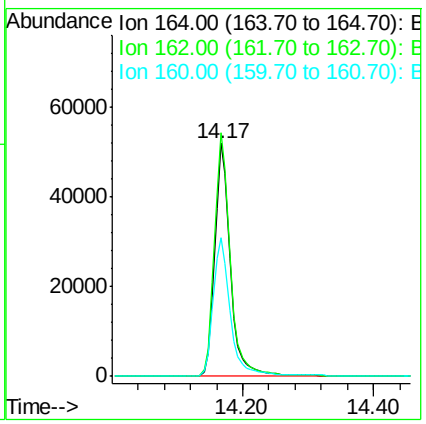


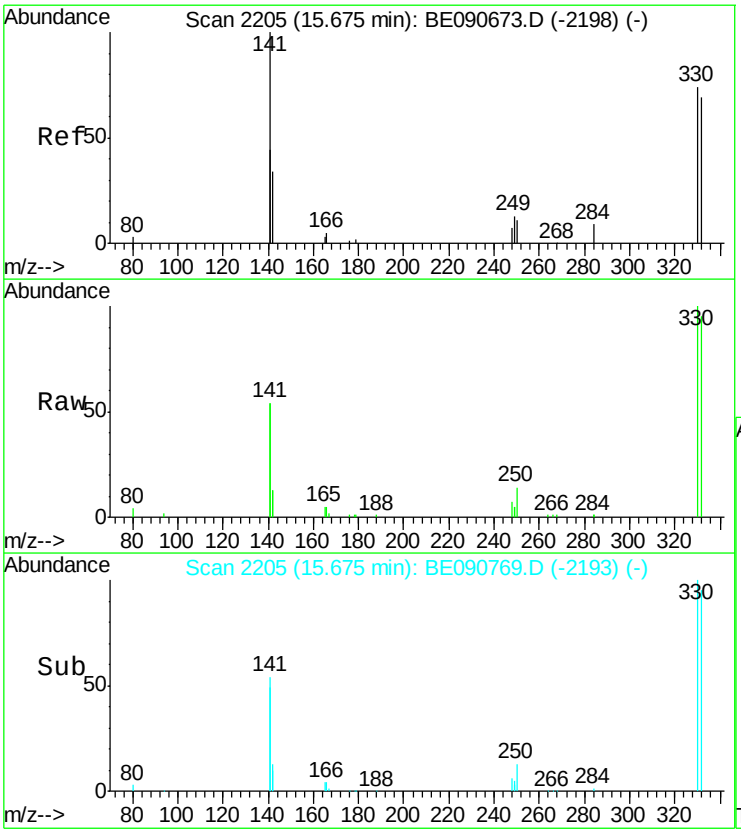

#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:164 Resp: 86521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.5 | 86.8 | 130.2 |
| 160 | 59.4 | 53.9 | 80.9 |

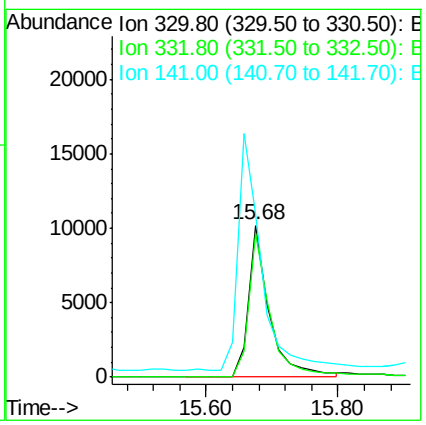


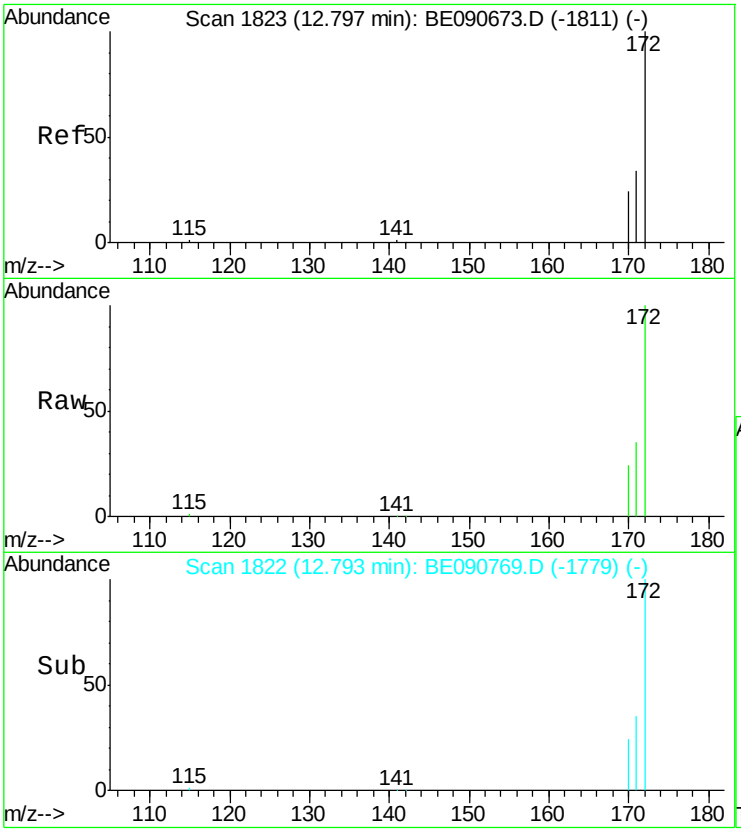




#13
2,4,6-Tribromophenol
Concen: 8.59 ng
RT: 15.68 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:330 Resp: 21854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 74.9 | 112.3 |
| 141 | 177.5 | 145.2 | 217.8 |



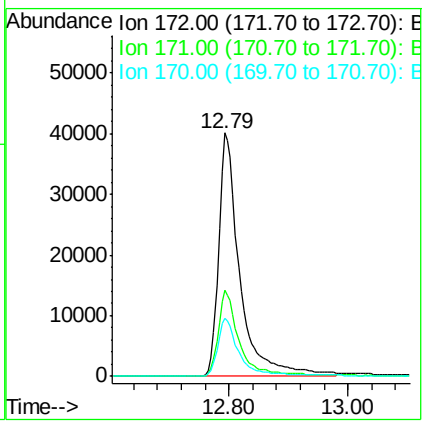


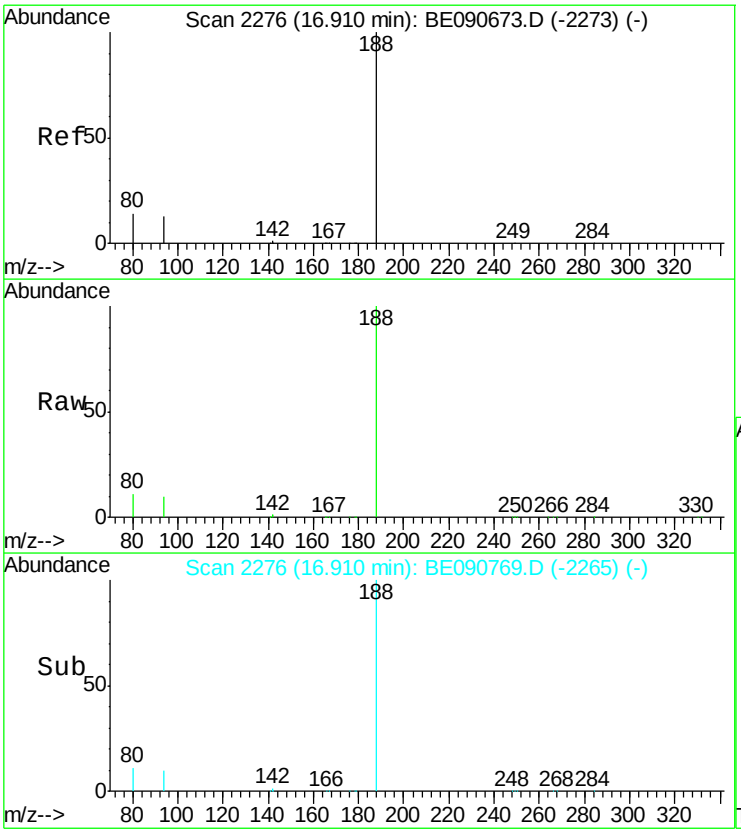

#14
2-Fluorobiphenyl
Concen: 4.14 ng
RT: 12.79 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:172 Resp: 99299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 27.8 | 41.8 |
| 170 | 24.0 | 19.8 | 29.6 |

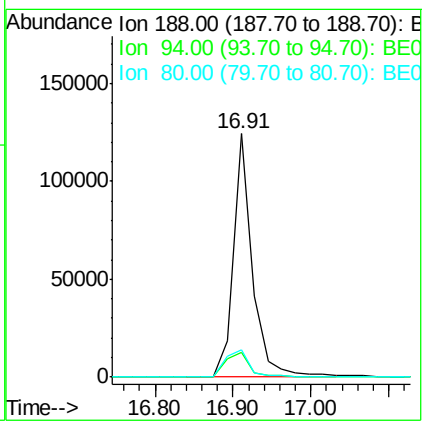


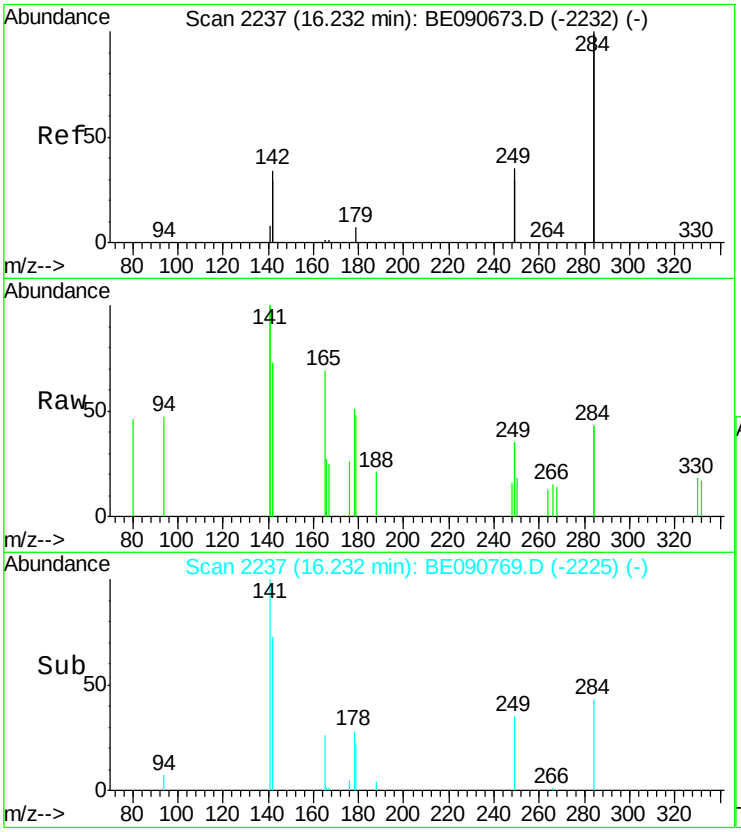




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:188 Resp: 211969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.3 | 10.3 | 15.5# |
| 80 | 11.4 | 11.0 | 16.6 |



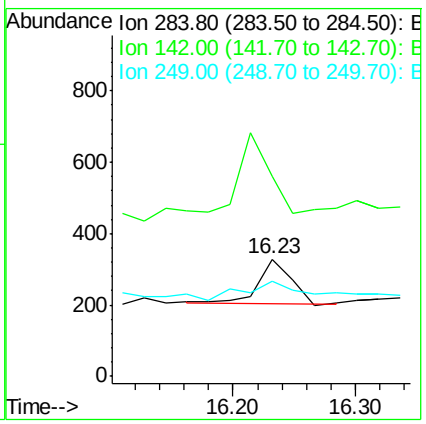


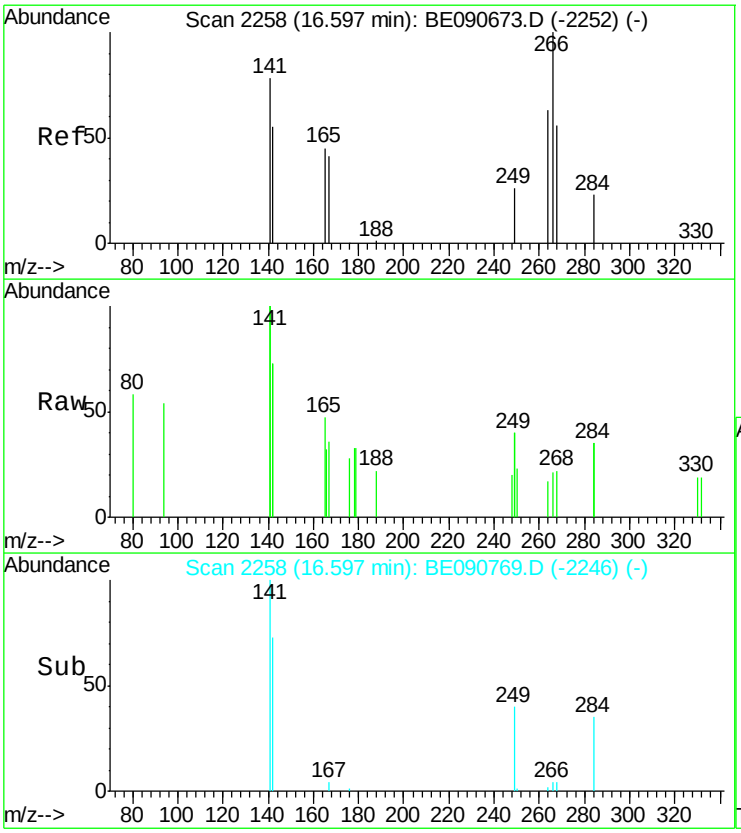

#20
Hexachlorobenzene
Concen: Below Cal
RT: 16.23 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:284 Resp: 234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 256.0 | 35.0 | 52.4# |
| 249 | 88.5 | 25.5 | 38.3# |

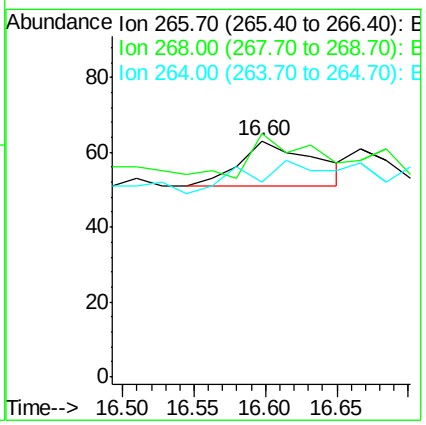


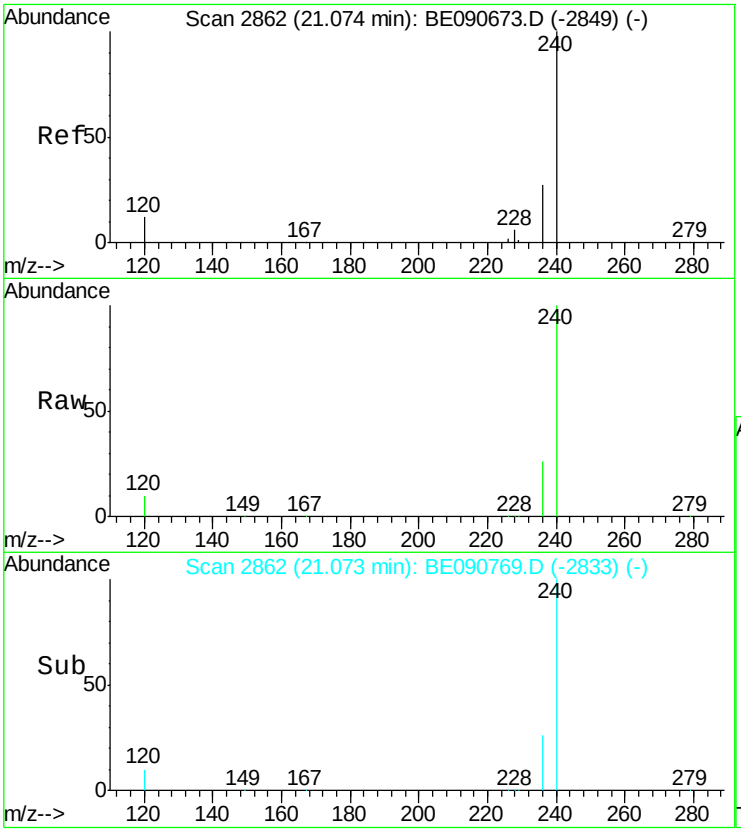




#21
Pentachlorophenol
Concen: 0.47 ng
RT: 16.60 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:266 Resp: 44

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 103.2 | 49.6 | 74.4# |
| 264 | 82.5 | 53.9 | 80.9# |



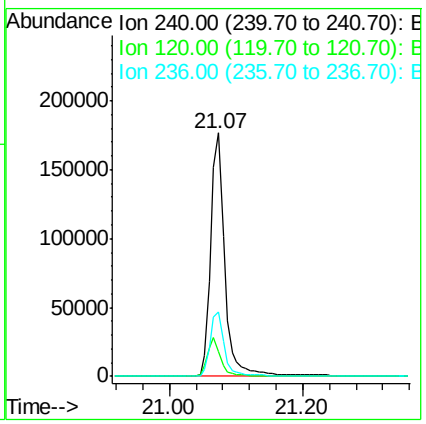


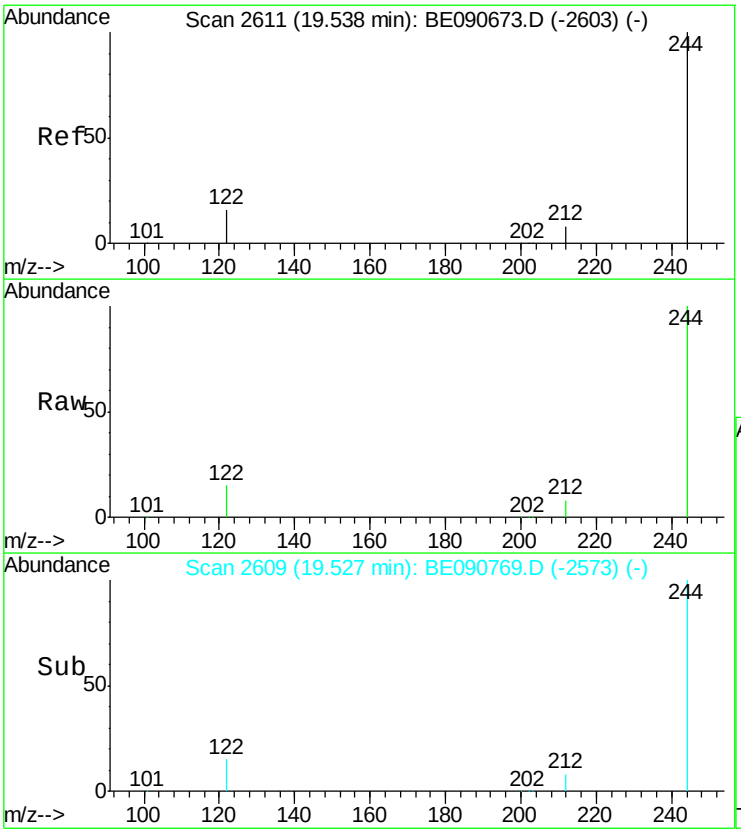

#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:240 Resp: 256052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.4 | 10.1 | 15.1 |
| 236 | 26.3 | 21.9 | 32.9 |

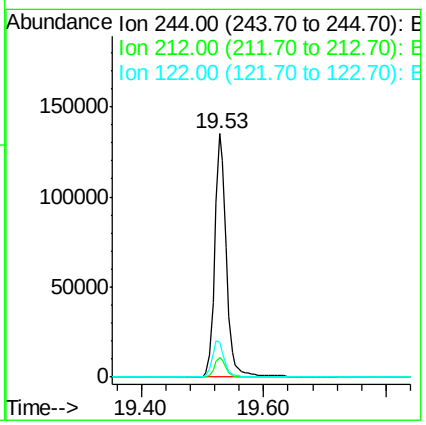


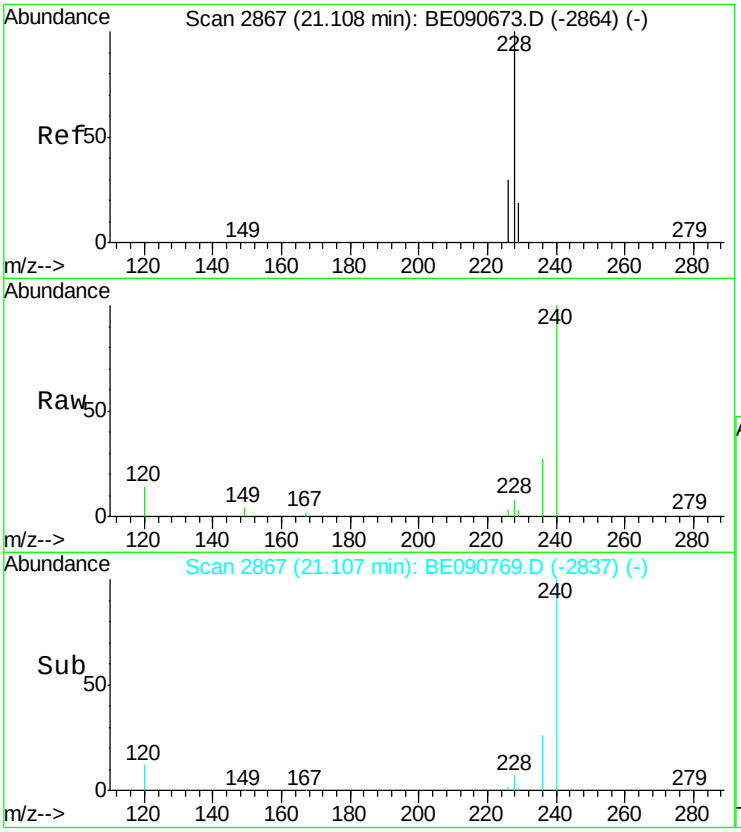




#27
Terphenyl-d14
Concen: 6.29 ng
RT: 19.53 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:244 Resp: 178129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 6.9 | 10.3 |
| 122 | 14.6 | 12.9 | 19.3 |



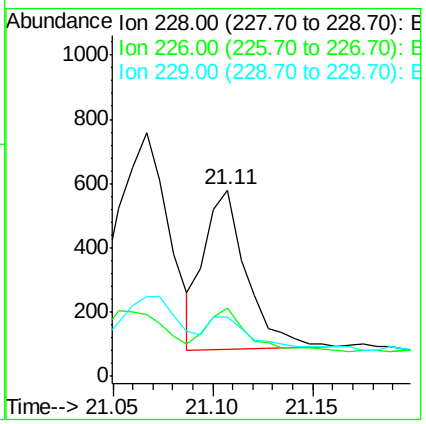


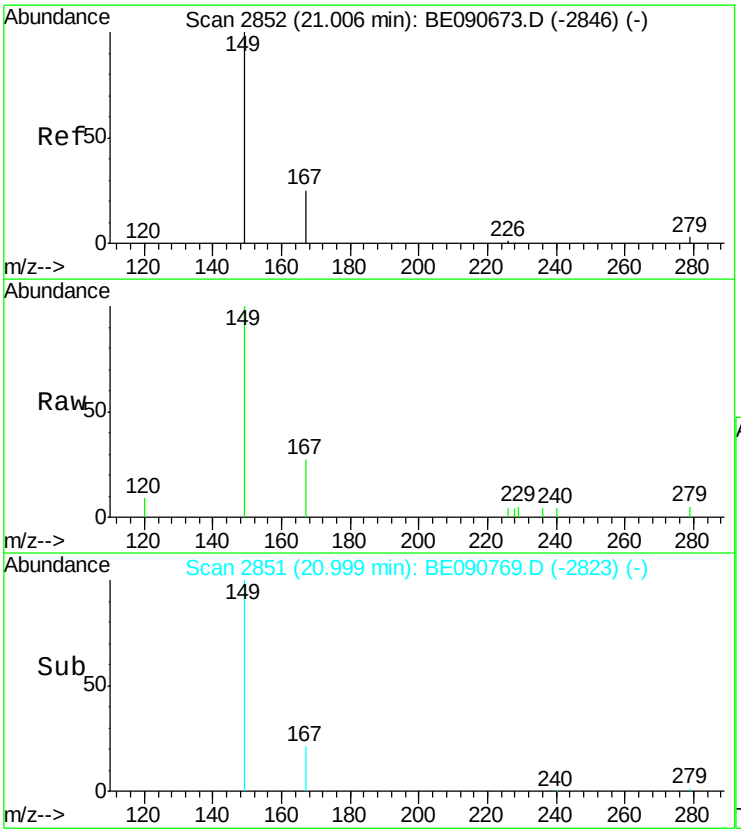

#29
Chrysene
Concen: Below Cal
RT: 21.11 min Scan# 2867
Delta R.T. 0.00 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:228 Resp: 734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 36.8 | 24.2 | 36.4# |
| 229 | 31.6 | 15.3 | 22.9# |

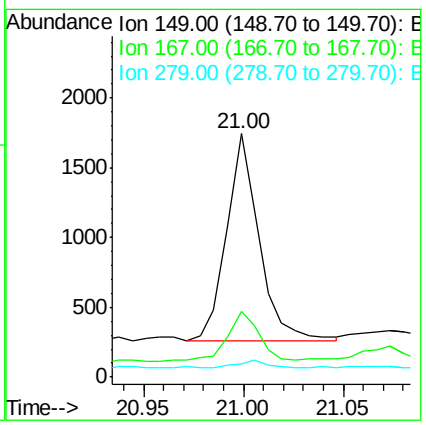


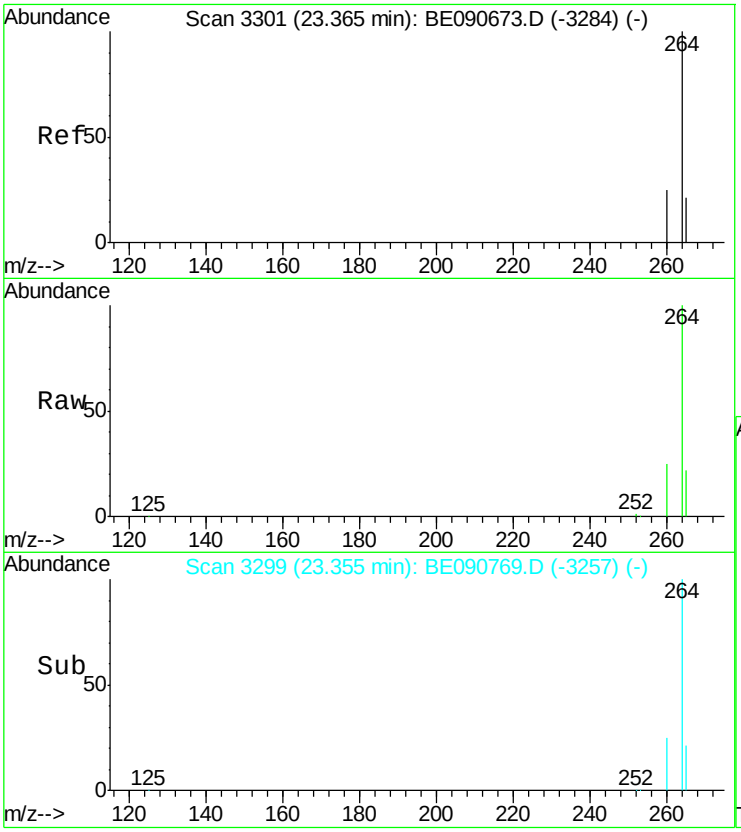




#30
Bis(2-ethylhexyl)phthalate
Concen: 0.18 ng
RT: 21.00 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:149 Resp: 1668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 23.9 | 20.1 | 30.1 |
| 279 | 4.0 | 2.3 | 3.5# |



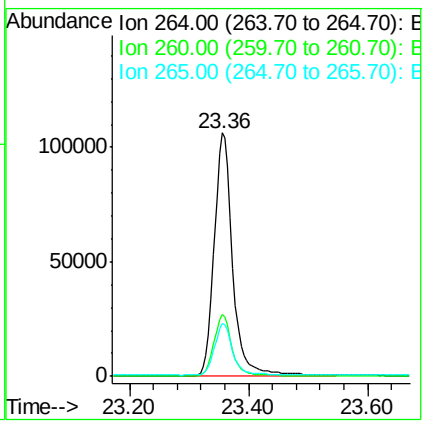


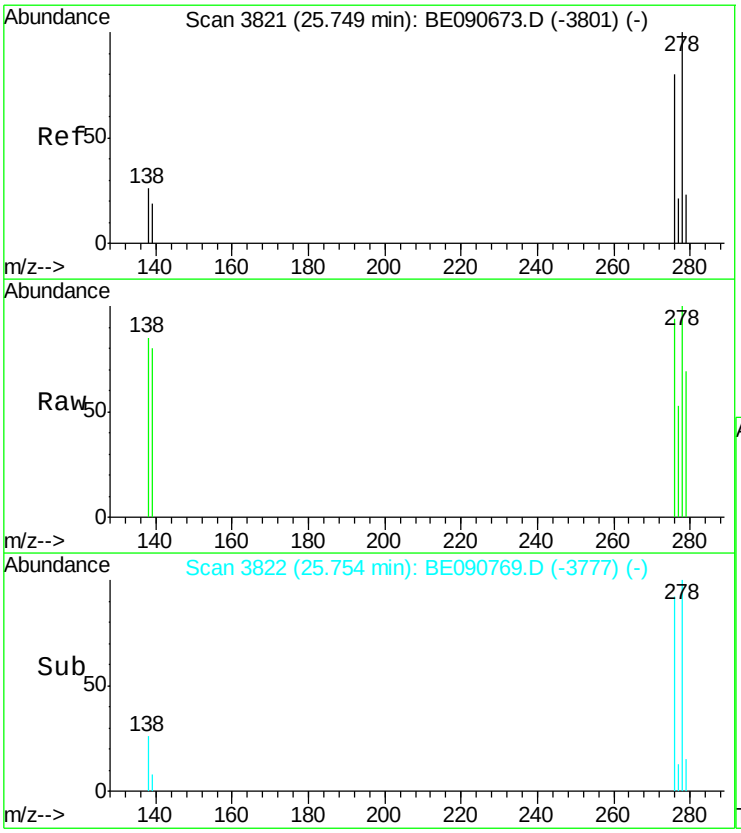

#32
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3299
Delta R.T. -0.01 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

**Instrument :**
BNA_E
**ClientSampleId :**
090815-D534-F-D-S

Tgt Ion:264 Resp: 231675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.4 | 19.7 | 29.5 |
| 265 | 21.7 | 17.5 | 26.3 |




#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3822
Delta R.T. 0.01 min
Lab File: BE090769.D
Acq: 10 Sep 2015 19:57

Tgt Ion:278 Resp: 287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 79.9 | 15.4 | 23.0# |
| 279 | 68.8 | 18.8 | 28.2# |