Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
Data File : BE090918.D
Acq On : 21 Sep 2015 14:59
Operator : UM/IZ
Sample : PB856661BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB85661BL

Quant Time: Sep 21 15:57:45 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 27993 | 5.00 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.31 | 136 | 113150 | 5.00 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.17 | 164 | 61002 | 5.00 | ng | 0.00 |
| 19) Phenanthrene-d10 | 16.91 | 188 | 152776 | 5.00 | ng | 0.00 |
| 26) Chrysene-d12 | 21.07 | 240 | 202715 | 5.00 | ng | 0.00 |
| 33) Perylene-d12 | 23.36 | 264 | 183289 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.18 | 112 | 47006 | 7.49 | ng | 0.00 |
| 5) Phenol-d6 | 6.74 | 99 | 56939 | 6.52 | ng | -0.01 |
| 8) Nitrobenzene-d5 | 8.72 | 82 | 26933 | 3.45 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol | 15.69 | 330 | 10656 | 4.95 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.81 | 172 | 62250 | 3.60 | ng | 0.02 |
| 28) Terphenyl-d14 | 19.53 | 244 | 109022 | 4.75 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 62 | Below Cal | # | 6 |
| 3) n-Nitrosodimethylamine | 3.45 | 42 | 22 | Below Cal | # | 1 |
| 6) bis(2-Chloroethyl)ether | 6.99 | 93 | 7 | Below Cal | # | 16 |
| 10) Naphthalene | 10.35 | 128 | 50 | Below Cal | # | 1 |
| 11) Hexachlorobutadiene | 10.66 | 225 | 8 | Below Cal | # | 1 |
| 17) Acenaphthene | 14.17 | 154 | 362 | 0.02 | ng # | 1 |
| 18) Fluorene | 15.19 | 166 | 20 | Below Cal | # | 1 |
| 21) Hexachlorobenzene | 16.23 | 284 | 49 | Below Cal | # | 8 |
| 22) Pentachlorophenol | 16.60 | 266 | 4 | 0.18 | ng # | 59 |
| 23) Phenanthrene | 16.96 | 178 | 173 | Below Cal | # | 63 |
| 30) Chrysene | 21.07 | 228 | 608 | Below Cal | # | 80 |
| 31) Bis(2-ethylhexyl)phthalate | 21.01 | 149 | 318 | 0.18 | ng # | 95 |

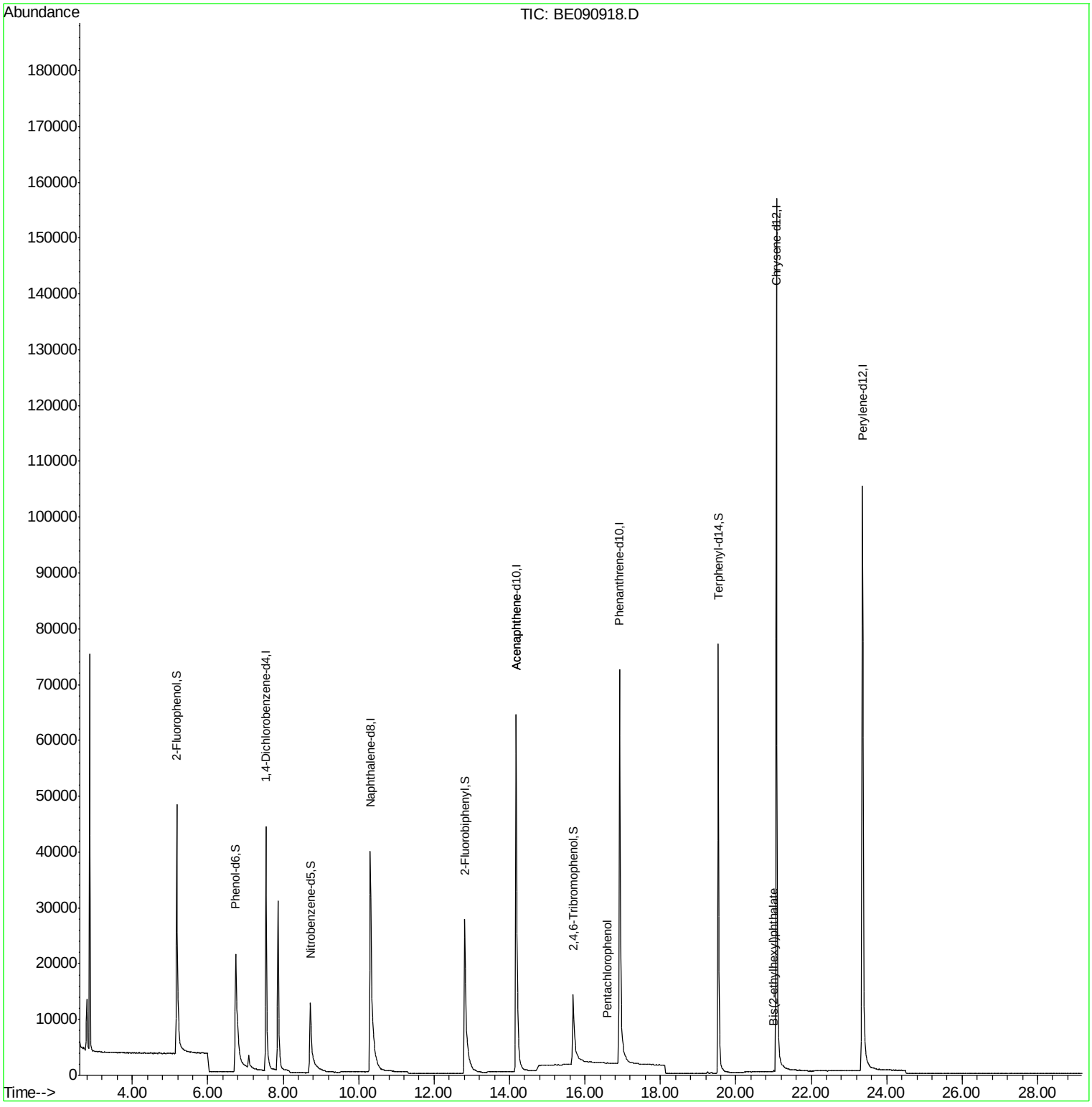
(#) = qualifier out of range (m) = manual integration (+) = signals summed

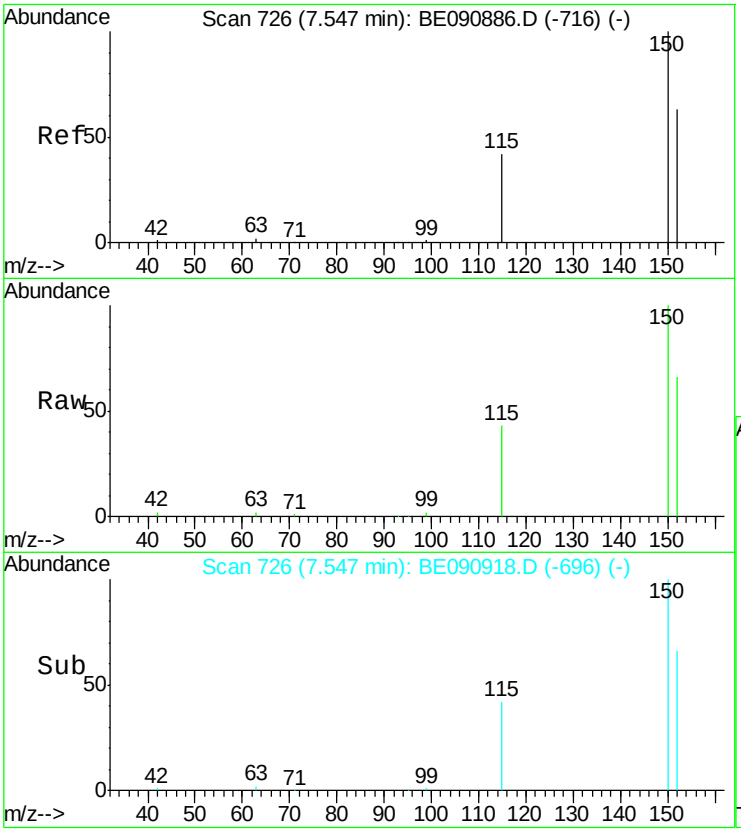
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092115\
Data File : BE090918.D
Acq On : 21 Sep 2015 14:59
Operator : UM/IZ
Sample : PB856661BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Quant Time: Sep 21 15:57:45 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE091815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 18:17:34 2015
Response via : Initial Calibration



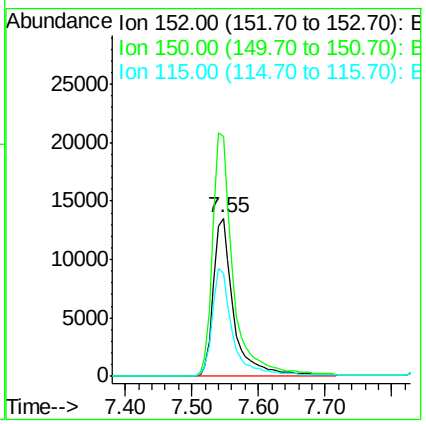


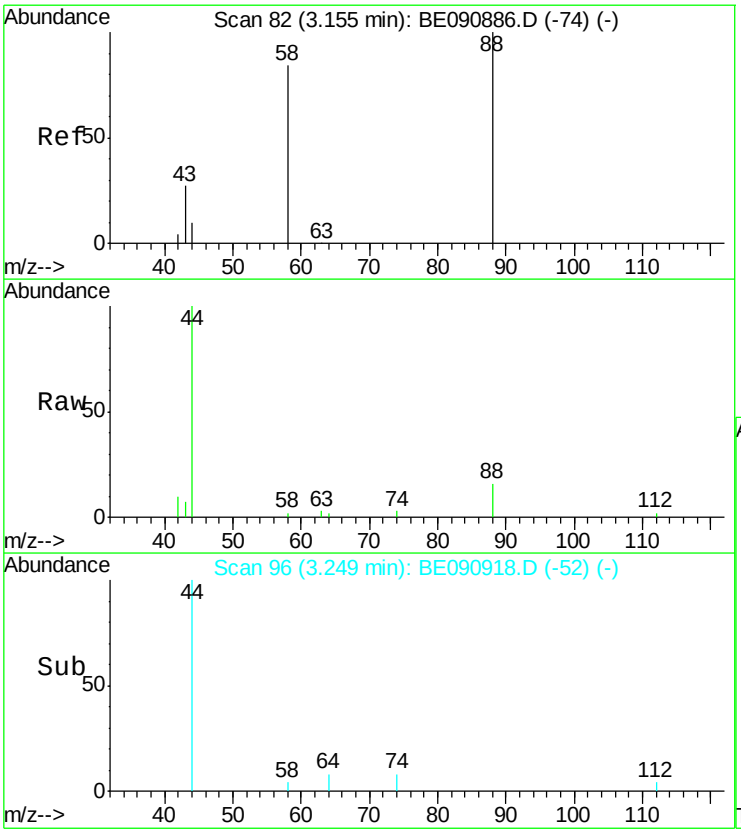

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.55 min Scan# 726
Delta R.T. 0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:152 Resp: 27993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.5 | 122.2 | 183.4 |
| 115 | 64.6 | 51.0 | 76.4 |

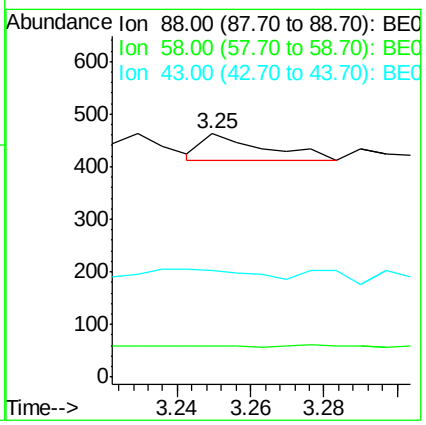


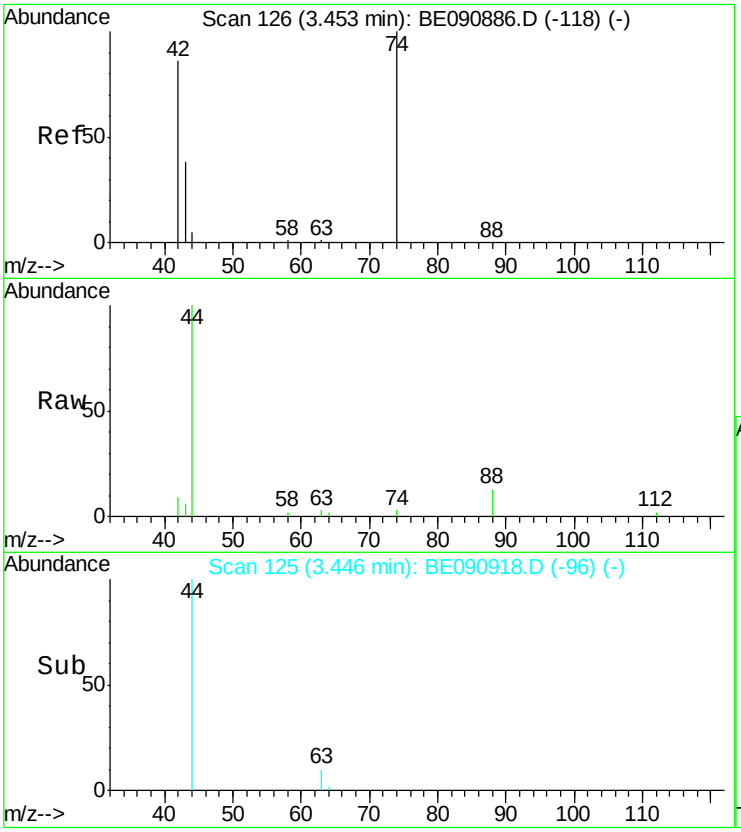




#2
1,4-Dioxane
Concen: Below Cal
RT: 3.25 min Scan# 96
Delta R.T. 0.10 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion: 88 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 68.4 | 102.6# |
| 43 | 88.7 | 26.9 | 40.3# |



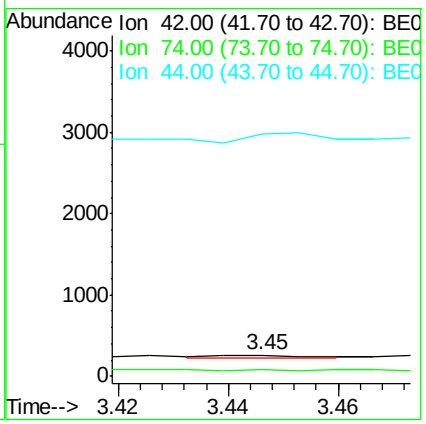


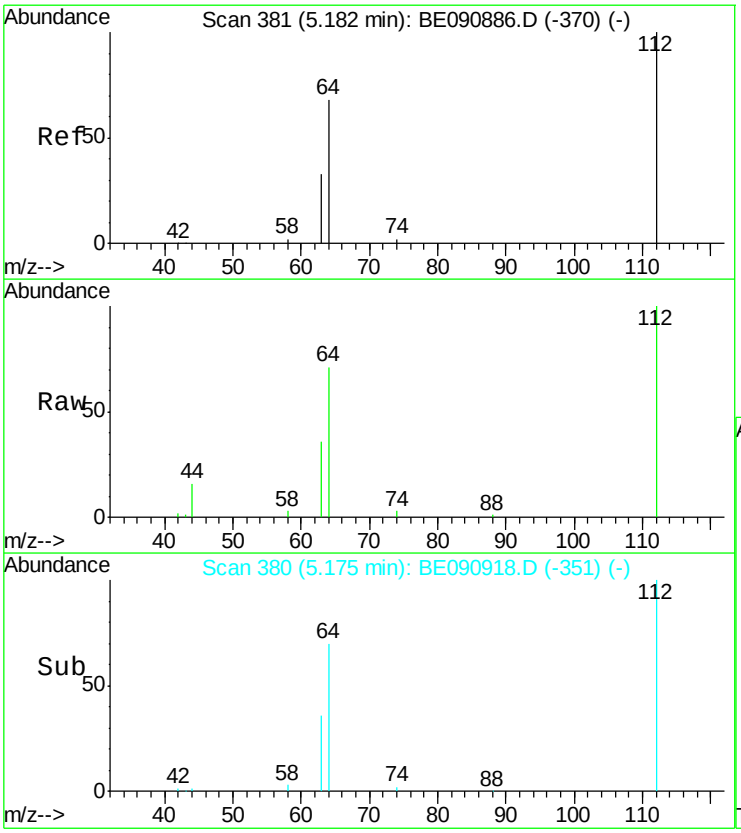

#3
n-Nitrosodimethylamine
Concen: Below Cal
RT: 3.45 min Scan# 125
Delta R.T. -0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion: 42 Resp: 22

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 83.7 | 125.5# |
| 44 | 618.2 | 10.0 | 15.0# |

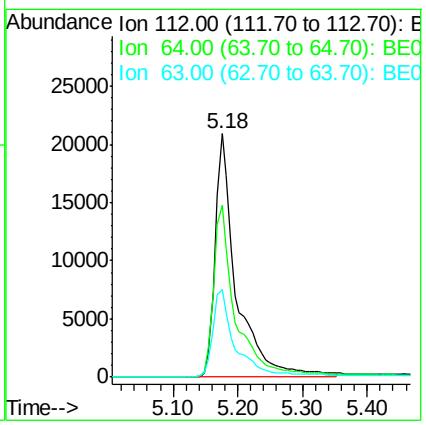


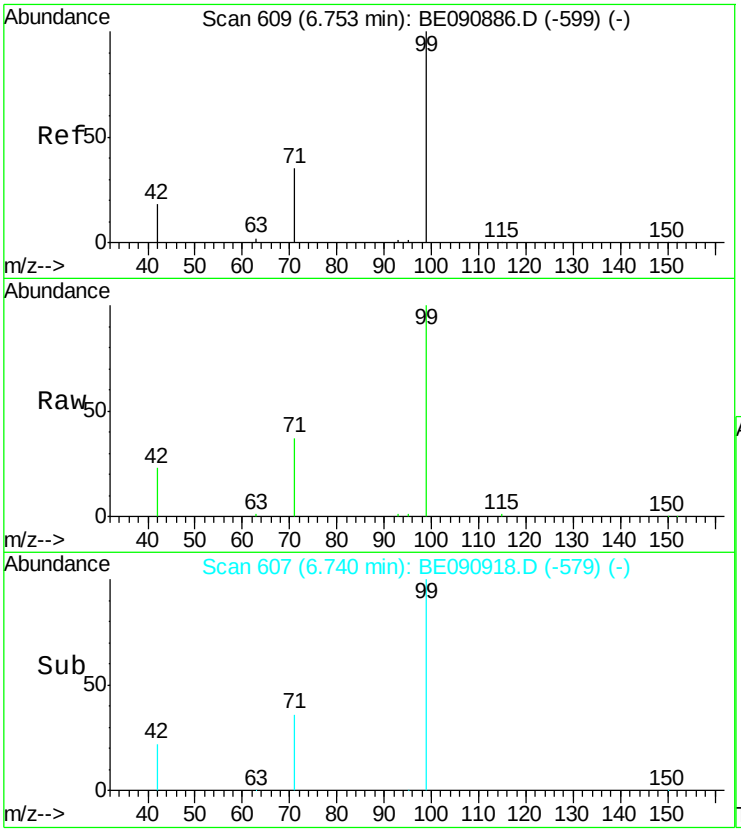




#4
2-Fluorophenol
Concen: 7.49 ng
RT: 5.18 min Scan# 380
Delta R.T. -0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:112 Resp: 47006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.3 | 57.3 | 85.9 |
| 63 | 37.4 | 29.2 | 43.8 |



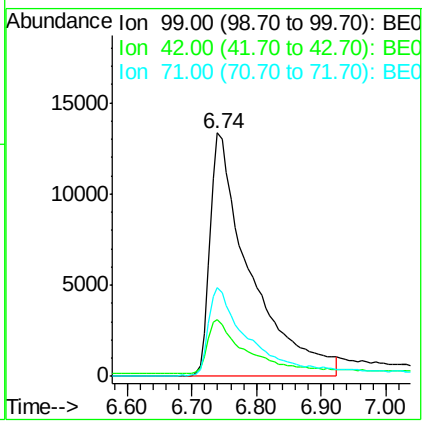


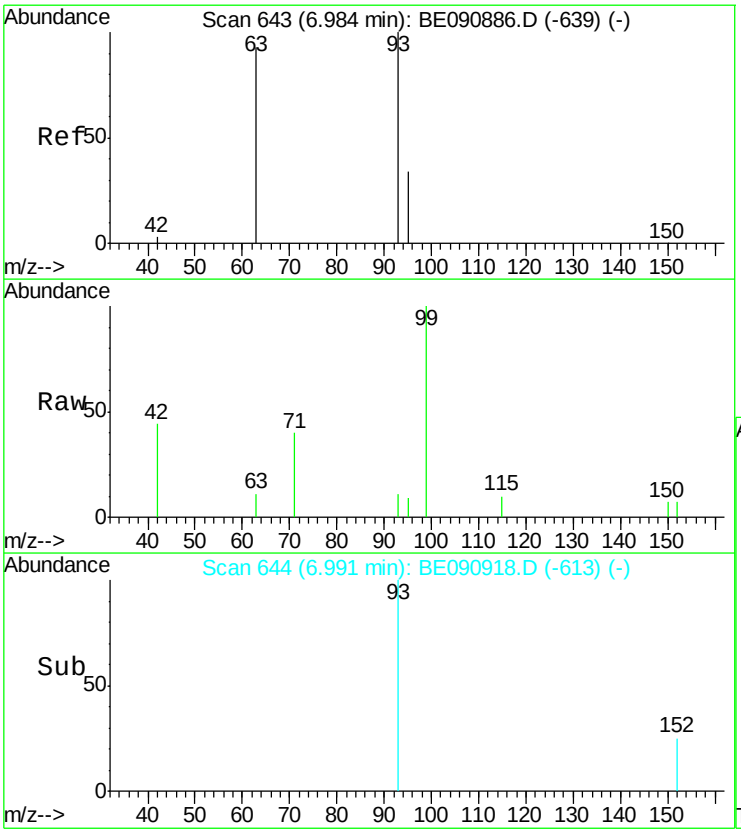

#5
Phenol-d6
Concen: 6.52 ng
RT: 6.74 min Scan# 607
Delta R.T. -0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion: 99 Resp: 56939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.3 | 16.8 | 25.2 |
| 71 | 36.4 | 28.3 | 42.5 |

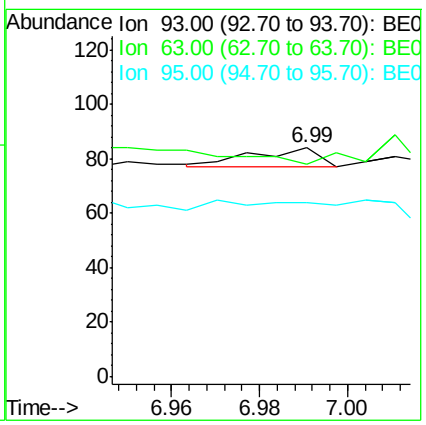


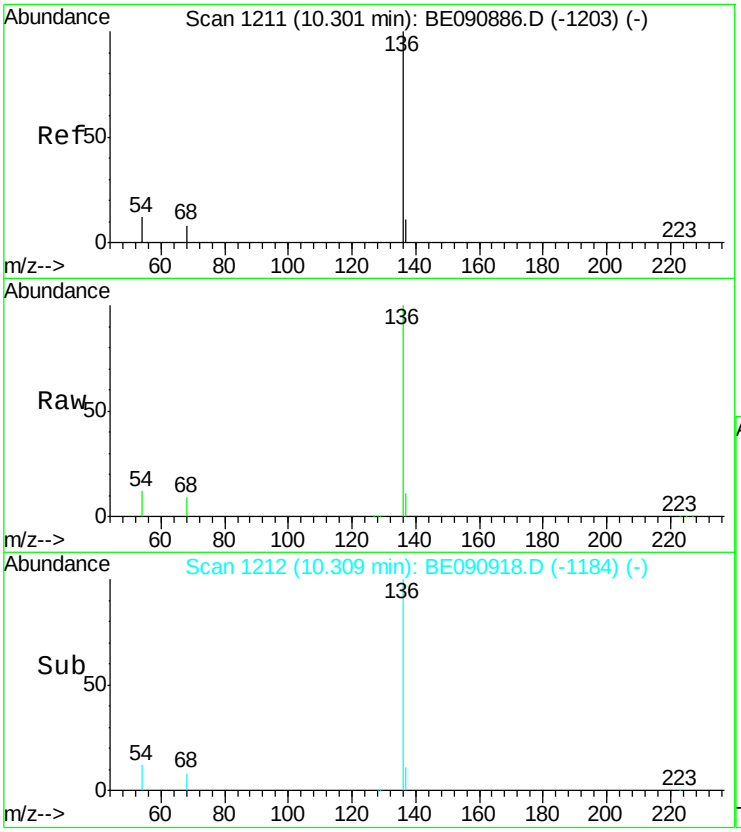




#6
bis(2-Chloroethyl)ether
Concen: Below Cal
RT: 6.99 min Scan# 644
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion: 93 Resp: 7

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 0.0 | 68.5 | 102.7# |
| 95 | 0.0 | 26.9 | 40.3# |



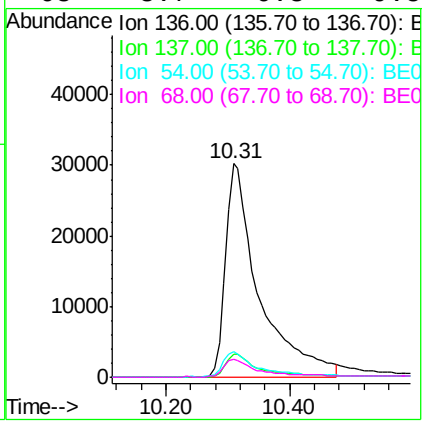


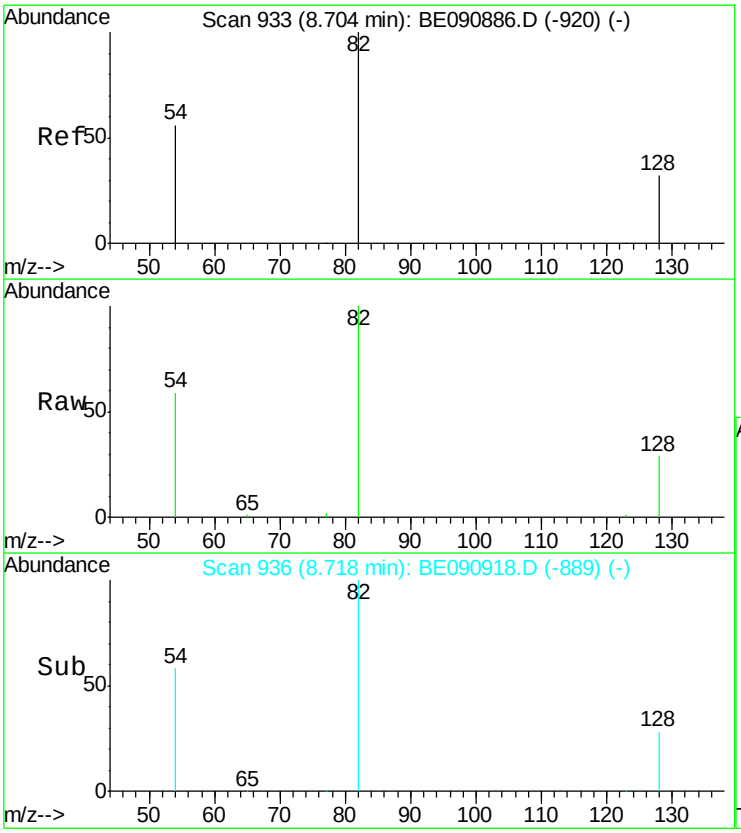

#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.31 min Scan# 1212
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:136 Resp: 113150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.7 | 13.1 |
| 54 | 12.1 | 9.0 | 13.6 |
| 68 | 8.7 | 6.3 | 9.5 |

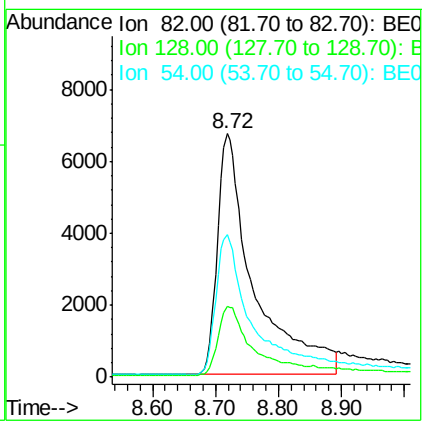


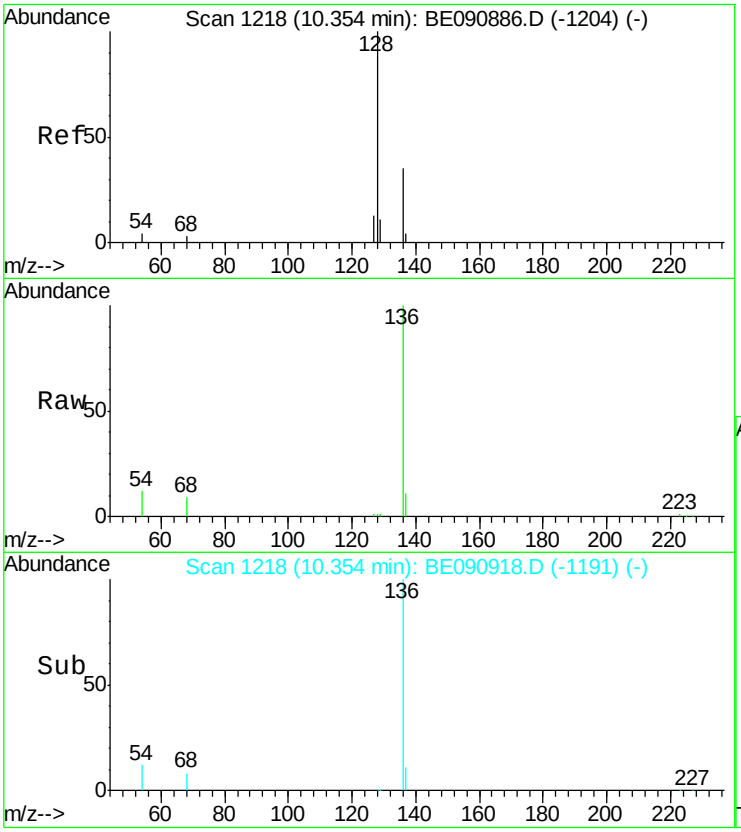




#8
Nitrobenzene-d5
Concen: 3.45 ng
RT: 8.72 min Scan# 936
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion: 82 Resp: 26933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 29.0 | 25.0 | 37.4 |
| 54 | 58.6 | 46.3 | 69.5 |



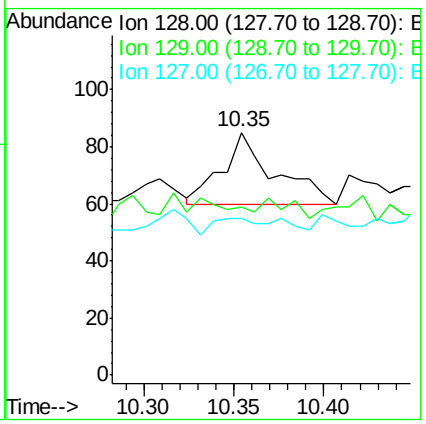


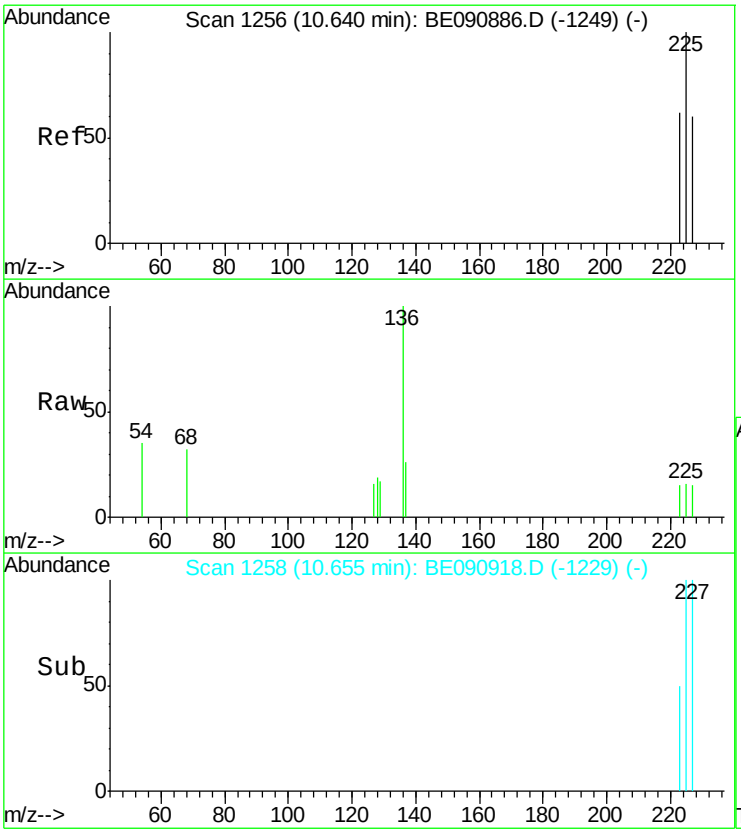

#10
Naphthalene
Concen: Below Cal
RT: 10.35 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:128 Resp: 50

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 69.4 | 8.4 | 12.6# |
| 127 | 64.7 | 9.9 | 14.9# |

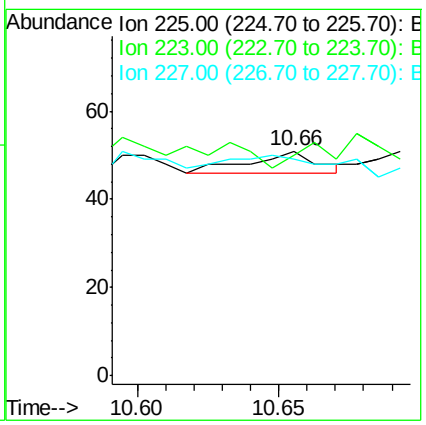


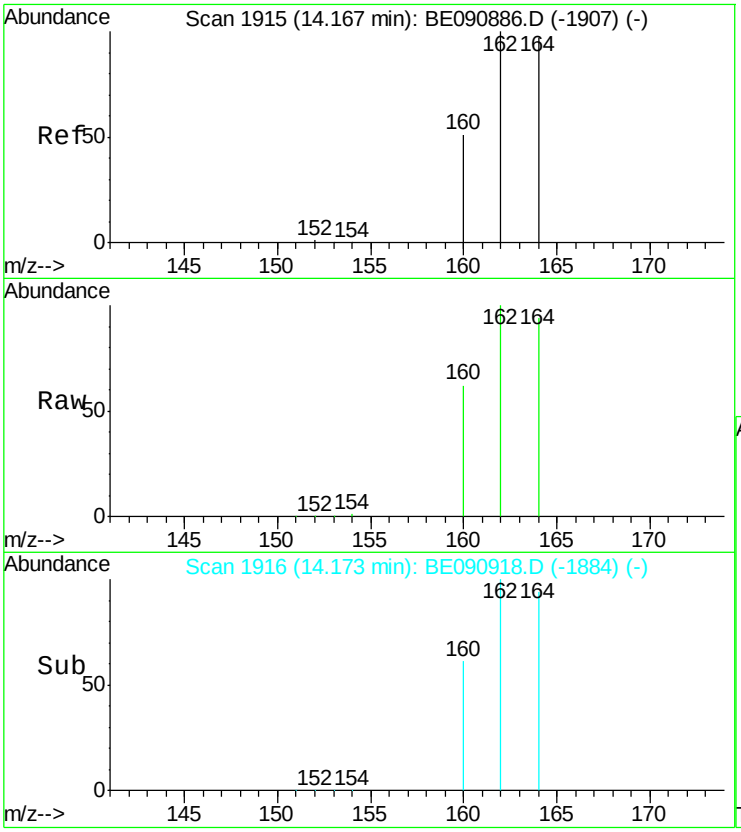




#11
Hexachlorobutadiene
Concen: Below Cal
RT: 10.66 min Scan# 1258
Delta R.T. 0.02 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:225 Resp: 8

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 50.6 | 76.0# |
| 227 | 175.0 | 51.0 | 76.6# |



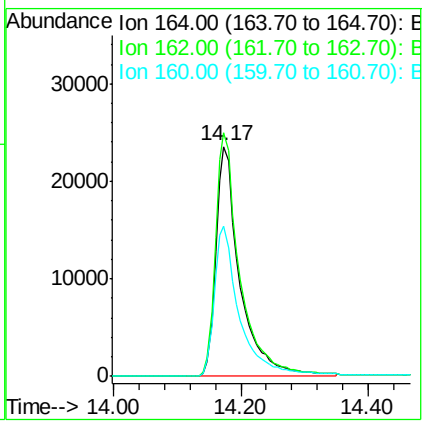


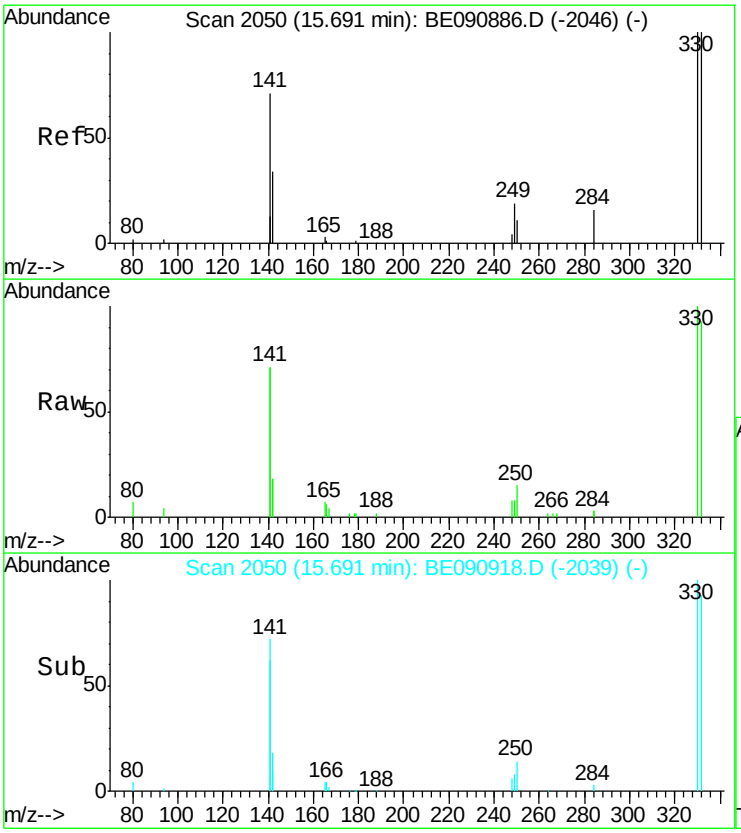

#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.17 min Scan# 1916
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:164 Resp: 61002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.9 | 86.8 | 130.2 |
| 160 | 65.1 | 53.9 | 80.9 |

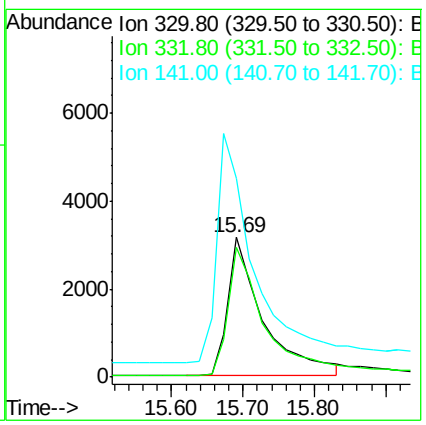


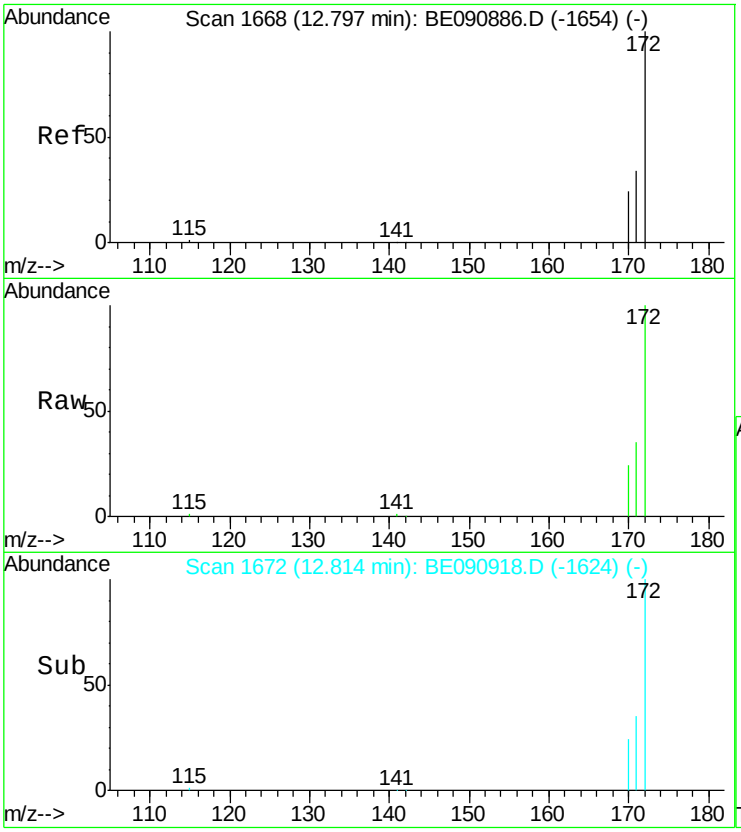




#14
2,4,6-Tribromophenol
Concen: 4.95 ng
RT: 15.69 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:330 Resp: 10656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 74.9 | 112.3 |
| 141 | 180.3 | 145.2 | 217.8 |



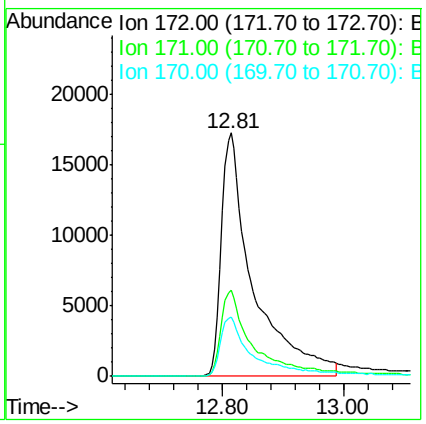


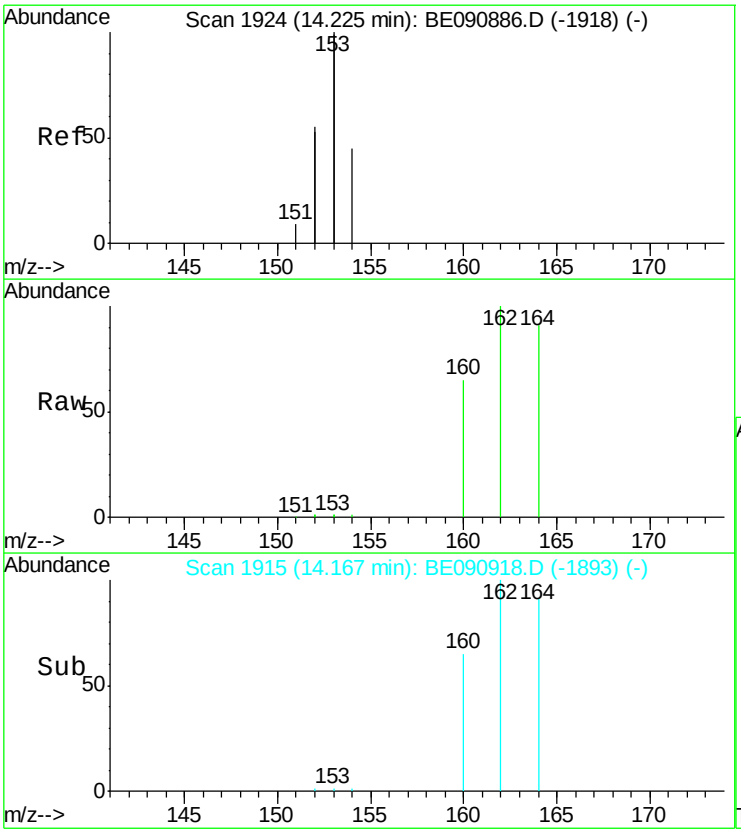

#15
2-Fluorobiphenyl
Concen: 3.60 ng
RT: 12.81 min Scan# 1672
Delta R.T. 0.02 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:172 Resp: 62250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 27.8 | 41.8 |
| 170 | 24.5 | 19.8 | 29.6 |

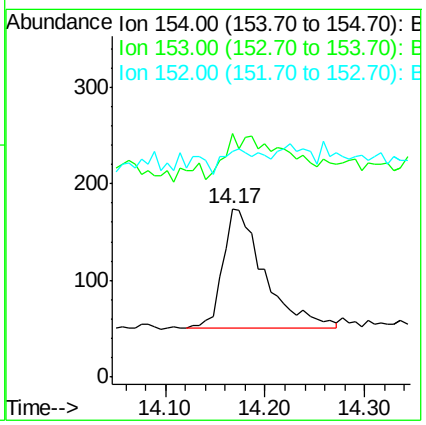


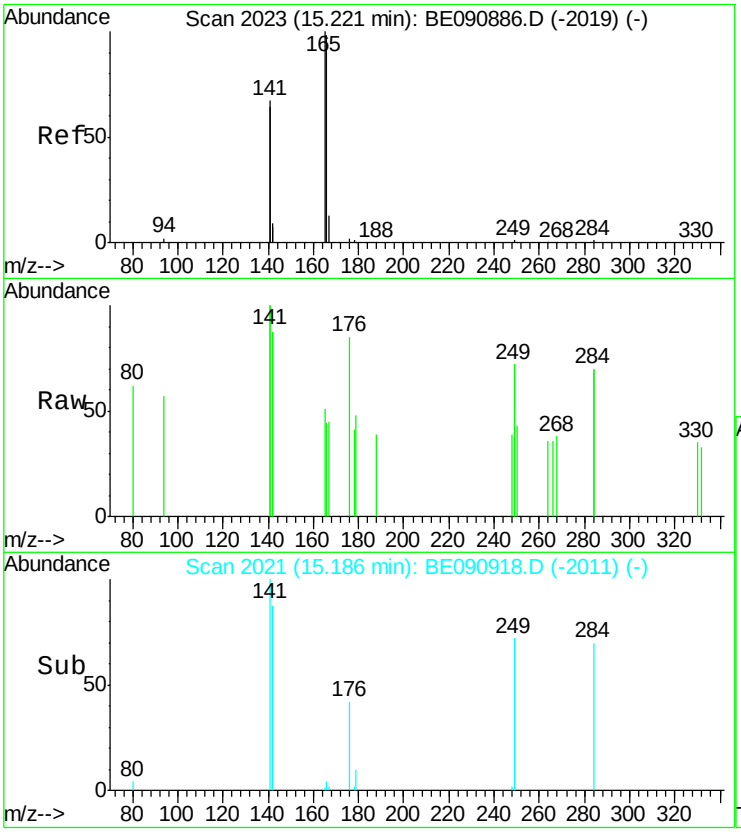




#17
Acenaphthene
Concen: 0.02 ng
RT: 14.17 min Scan# 1915
Delta R.T. -0.06 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:154 Resp: 362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 53.6 | 354.5 | 531.7# |
| 152 | 13.5 | 227.8 | 341.6# |



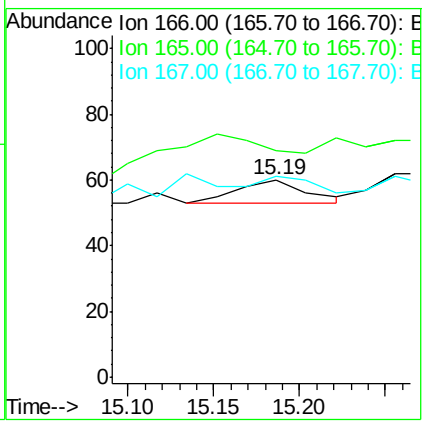


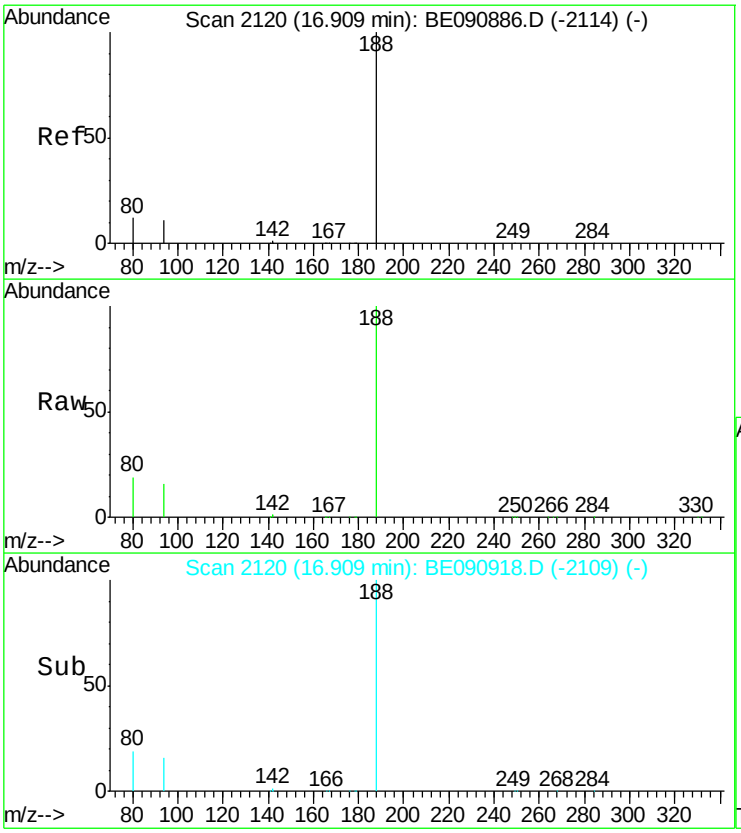

#18
Fluorene
Concen: Below Cal
RT: 15.19 min Scan# 2021
Delta R.T. -0.03 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:166 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 0.0 | 82.7 | 124.1# |
| 167 | 45.0 | 10.7 | 16.1# |

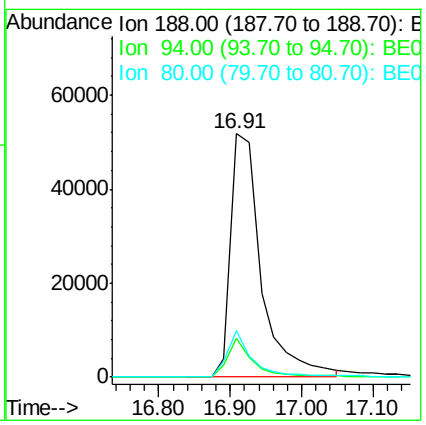


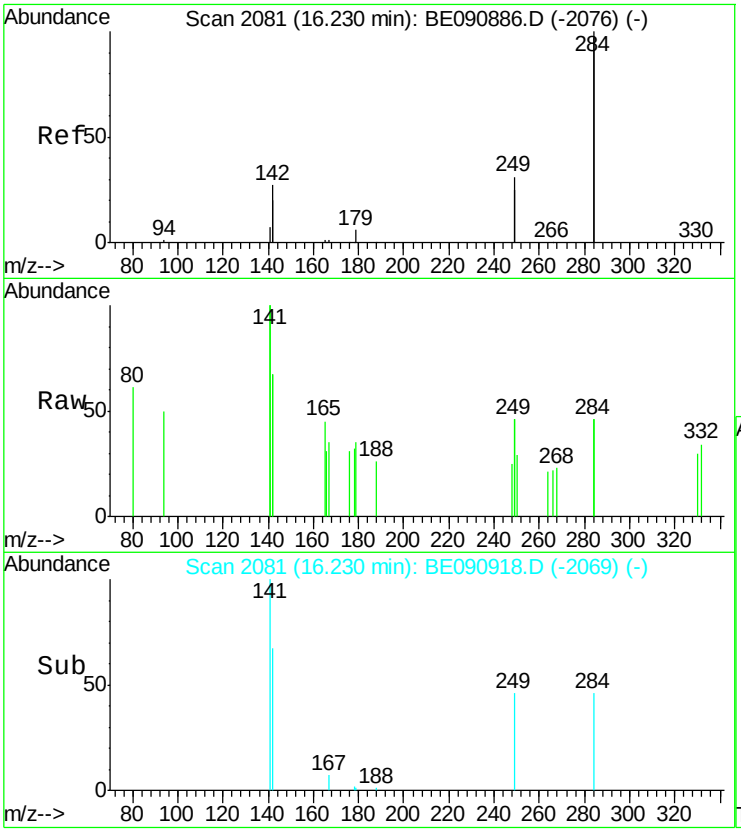




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:188 Resp: 152776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 16.2 | 10.3 | 15.5# |
| 80 | 19.0 | 11.0 | 16.6# |



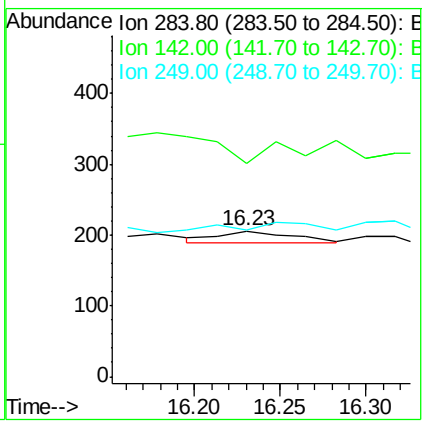


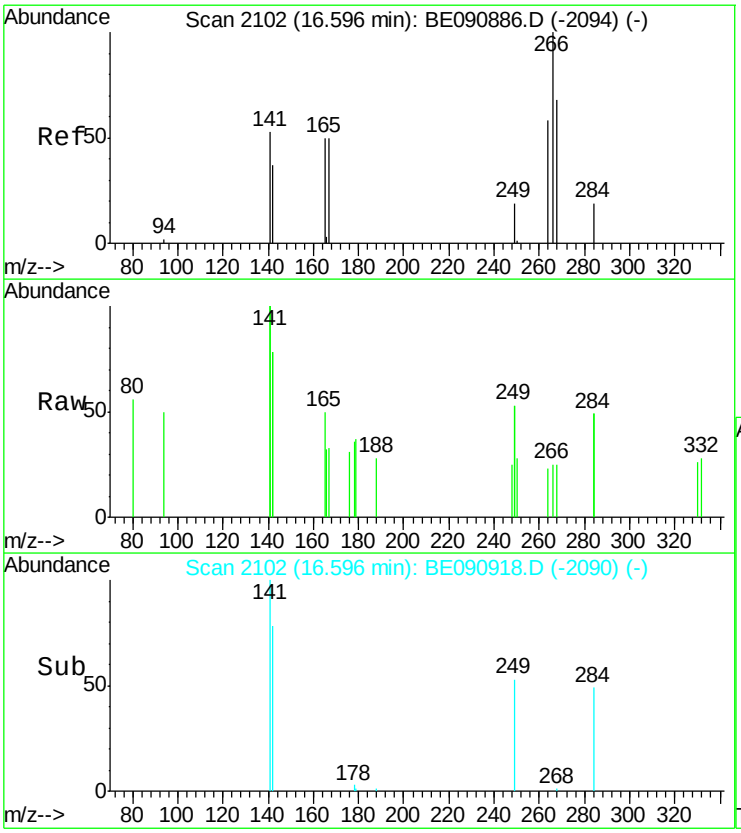

#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.23 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:284 Resp: 49

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 0.0 | 35.0 | 52.4# |
| 249 | 102.0 | 25.5 | 38.3# |

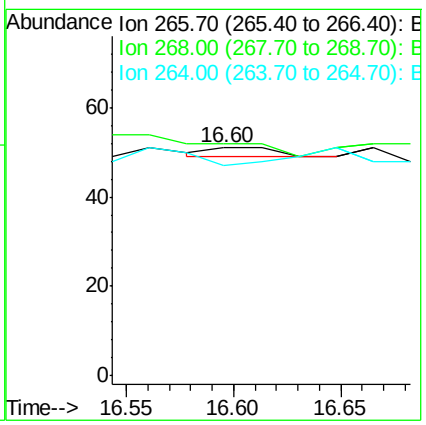


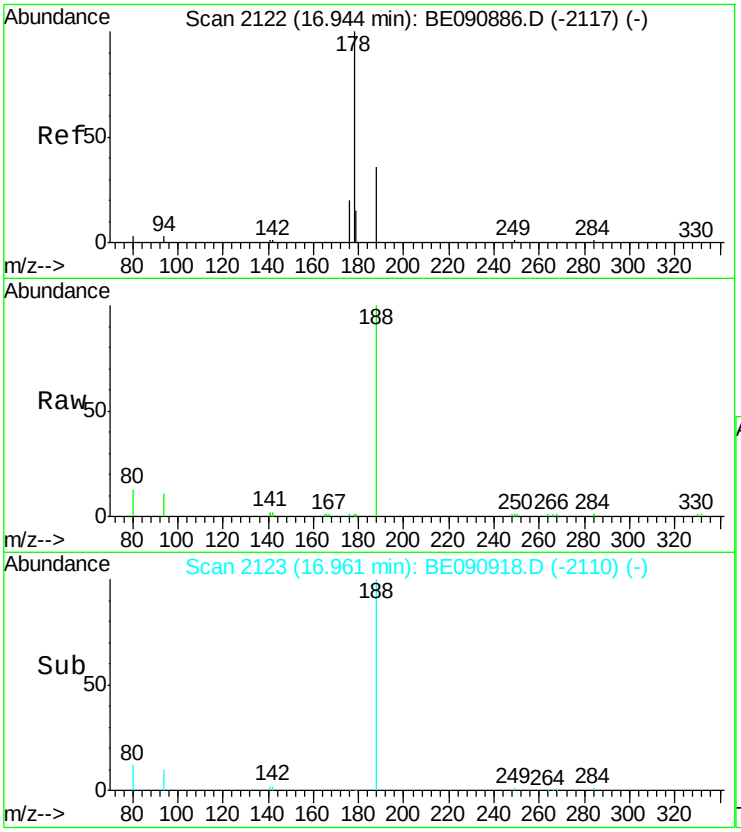




#22
Pentachlorophenol
Concen: 0.18 ng
RT: 16.60 min Scan# 2102
Delta R.T. 0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:266 Resp: 4

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 102.0 | 49.6 | 74.4# |
| 264 | 92.2 | 53.9 | 80.9# |



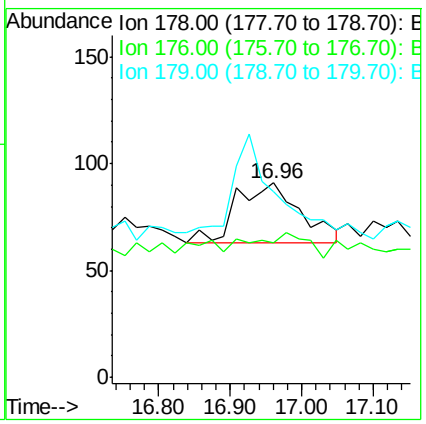


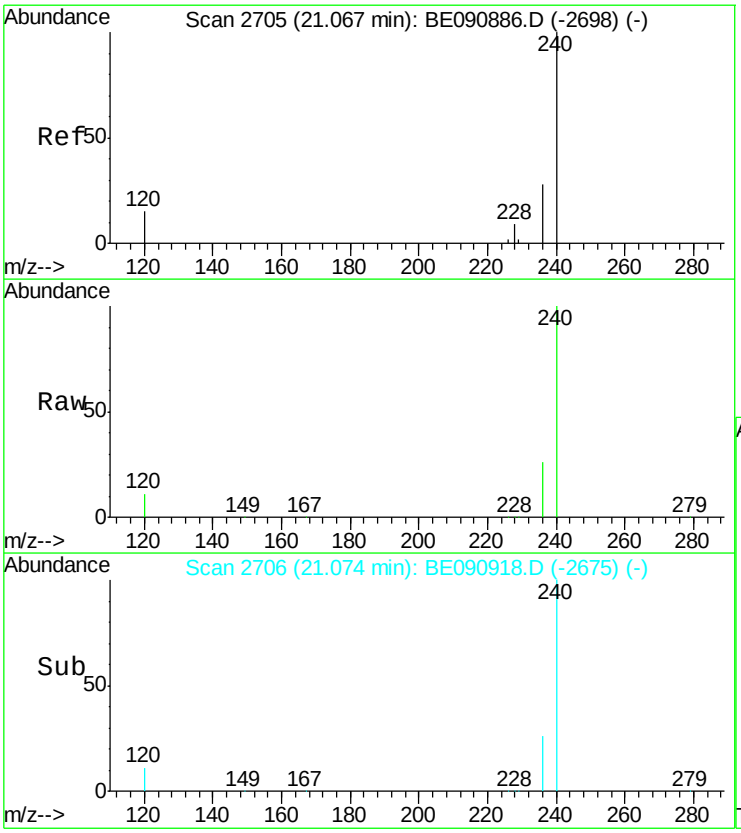

#23
Phenanthrene
Concen: Below Cal
RT: 16.96 min Scan# 2123
Delta R.T. 0.02 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:178 Resp: 173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 36.4 | 15.6 | 23.4# |
| 179 | 0.0 | 12.8 | 19.2# |

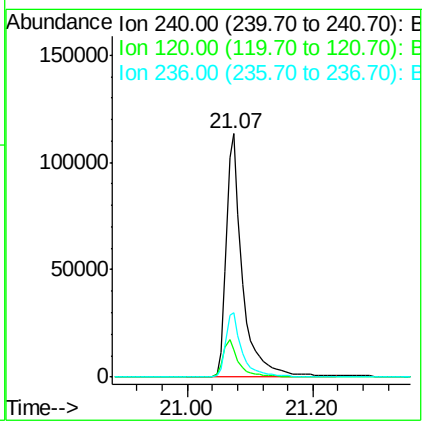


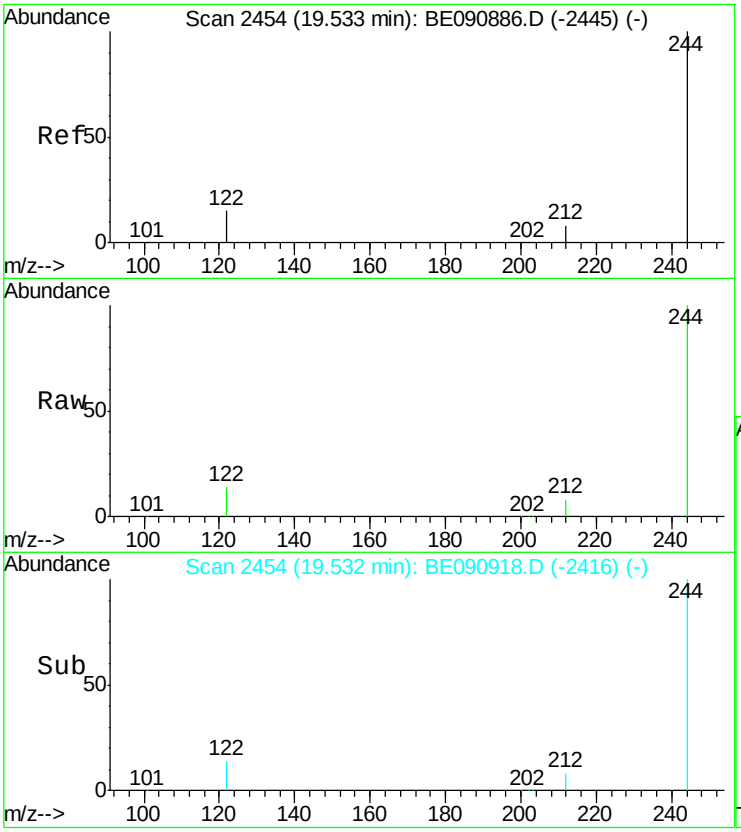




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.07 min Scan# 2706
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:240 Resp: 202715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 10.1 | 15.1 |
| 236 | 26.4 | 21.9 | 32.9 |



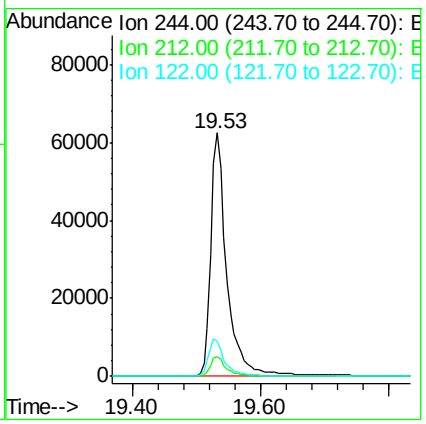


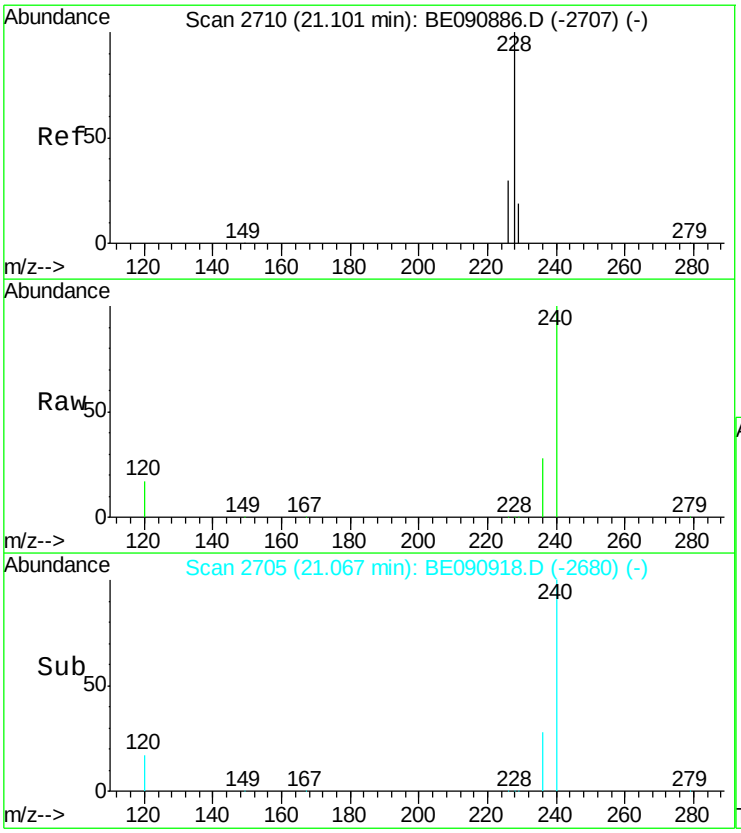

#28
Terphenyl-d14
Concen: 4.75 ng
RT: 19.53 min Scan# 2454
Delta R.T. 0.00 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:244 Resp: 109022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 6.9 | 10.3 |
| 122 | 14.4 | 12.9 | 19.3 |

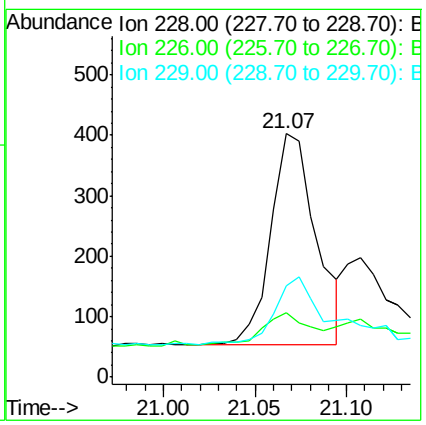


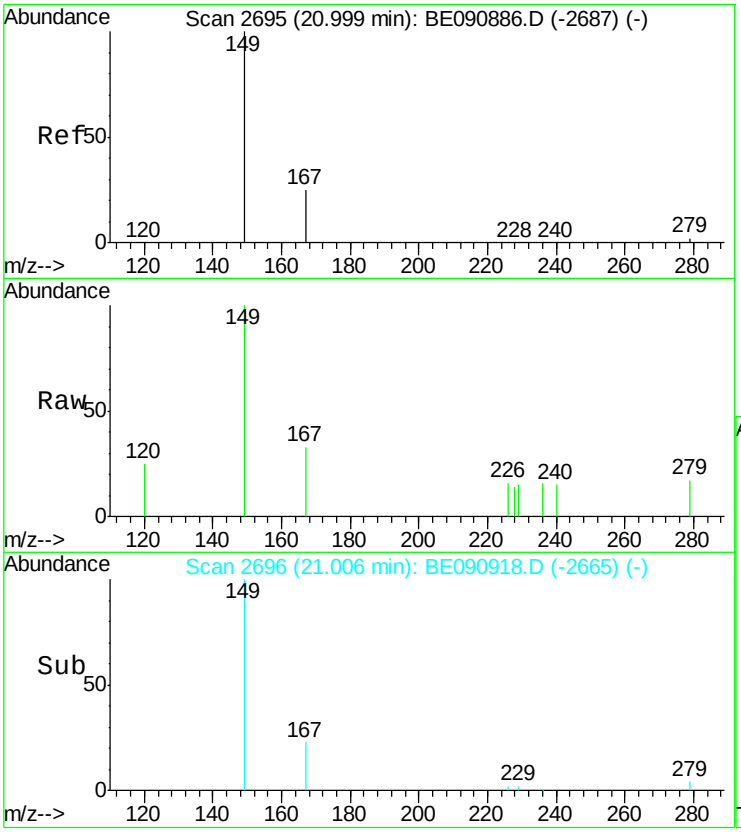




#30
Chrysene
Concen: Below Cal
RT: 21.07 min Scan# 2705
Delta R.T. -0.03 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:228 Resp: 608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.3 | 24.2 | 36.4 |
| 229 | 37.7 | 15.3 | 22.9# |



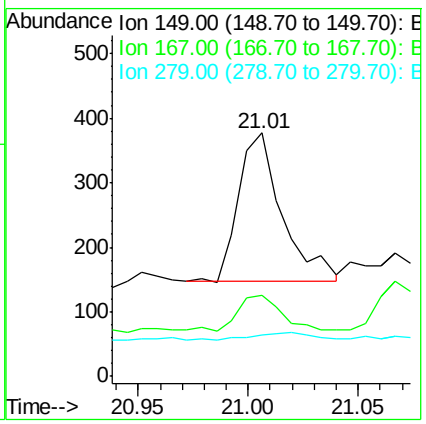


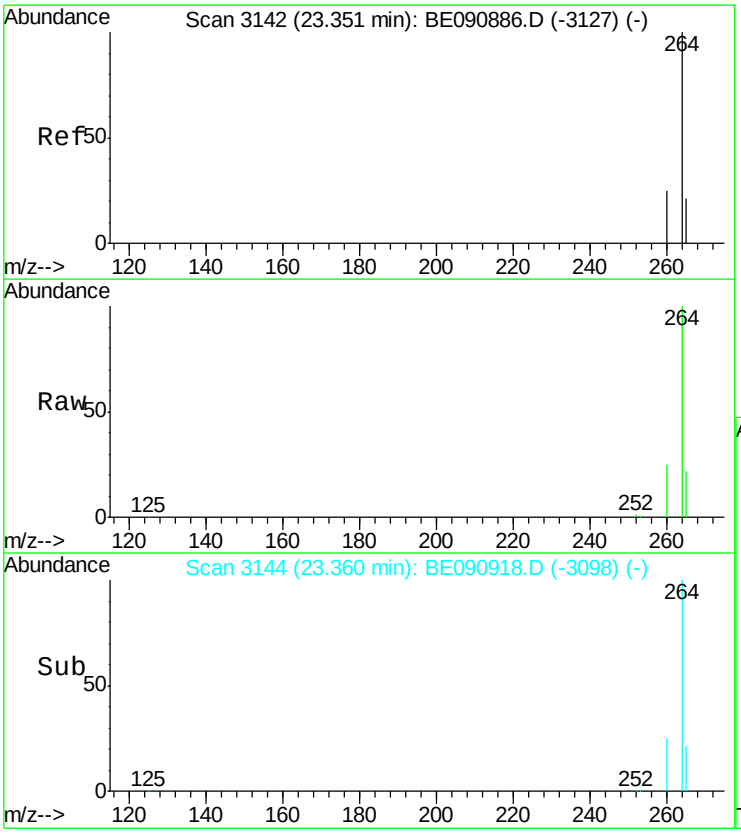

#31
Bis(2-ethylhexyl)phthalate
Concen: 0.18 ng
RT: 21.01 min Scan# 2696
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

**Instrument :**
BNA_E
**ClientSampleId :**
PB85661BL

Tgt Ion:149 Resp: 318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 23.3 | 20.1 | 30.1 |
| 279 | 7.5 | 2.3 | 3.5# |




#33
Perylene-d12
Concen: 5.00 ng
RT: 23.36 min Scan# 3144
Delta R.T. 0.01 min
Lab File: BE090918.D
Acq: 21 Sep 2015 14:59

Tgt Ion:264 Resp: 183289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.7 | 29.5 |
| 265 | 21.7 | 17.5 | 26.3 |