Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022515\
Data File : BE089684.D
Acq On : 25 Feb 2015 16:57
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_E
**LabSampleId :** SSTDCCC001

Quant Time: Feb 26 18:08:11 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 25 14:06:35 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.34 | 152 | 23006 | 5.00 | ng | | 0.00 |
| 4) Naphthalene-d8 | 12.24 | 136 | 114662 | 5.00 | ng | | 0.00 |
| 8) Acenaphthene-d10 | 16.41 | 164 | 60121 | 5.00 | ng | | 0.00 |
| 13) Phenanthrene-d10 | 19.76 | 188 | 103808 | 5.00 | ng | | 0.00 |
| 19) Chrysene-d12 | 23.65 | 240 | 62823 | 5.00 | ng | | 0.00 |
| 25) Perylene-d12 | 25.34 | 264 | 39395 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) Nitrobenzene-d5 | 10.60 | 82 | 4125 | 0.78 | ng | | 0.00 |
| 9) 2-Fluorobiphenyl | 14.87 | 172 | 14609 | 1.07 | ng | | 0.00 |
| 21) Terphenyl-d14 | 22.30 | 244 | 9226 | 1.25 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.62 | 88 | 2653 | 0.92 | ng | | 96 |
| 3) n-Nitrosodimethylamine | 3.33 | 42 | 3232 | 0.91 | ng | | 95 |
| 6) Naphthalene | 12.29 | 128 | 22664 | 1.02 | ng | | 99 |
| 7) 2-Methylnaphthalene | 13.94 | 142 | 14757 | 1.17 | ng | | 97 |
| 10) Acenaphthylene | 16.06 | 152 | 89207 | 1.03 | ng | | 100 |
| 11) Acenaphthene | 16.49 | 154 | 14818 | 1.08 | ng | | 99 |
| 12) Fluorene | 17.74 | 166 | 16367 | 1.08 | ng | | 99 |
| 14) Hexachlorobenzene | 18.99 | 284 | 3094 | 1.15 | ng | | 98 |
| 15) Pentachlorophenol | 19.43 | 266 | 506 | 1.73 | ng | | 98 |
| 16) Phenanthrene | 19.81 | 178 | 24125 | 1.09 | ng | | 99 |
| 17) Anthracene | 19.91 | 178 | 19182 | 1.02 | ng | | 100 |
| 18) Fluoranthene | 21.72 | 202 | 17337 | 0.94 | ng | | 99 |
| 20) Pyrene | 22.04 | 202 | 19204 | 1.26 | ng | | 100 |
| 22) Benzo(a)anthracene | 23.65 | 228 | 38218 | 0.93 | ng | | 99 |
| 23) Chrysene | 23.68 | 228 | 62906 | 1.10 | ng | | 99 |
| 24) Indeno(1,2,3-cd)pyrene | 26.74 | 276 | 15925 | 0.97 | ng | # | 53 |
| 26) Benzo(b)fluoranthene | 24.91 | 252 | 3090 | 1.20 | ng | | 99 |
| 27) Benzo(k)fluoranthene | 24.94 | 252 | 10403 | 1.11 | ng | | 99 |
| 28) Benzo(a)pyrene | 25.27 | 252 | 3501 | 1.11 | ng | | 99 |
| 29) Dibenzo(a,h)anthracene | 26.77 | 278 | 3004 | 1.20 | ng | | 93 |
| 30) Benzo(g,h,i)perylene | 27.15 | 276 | 18989 | 1.09 | ng | | 98 |

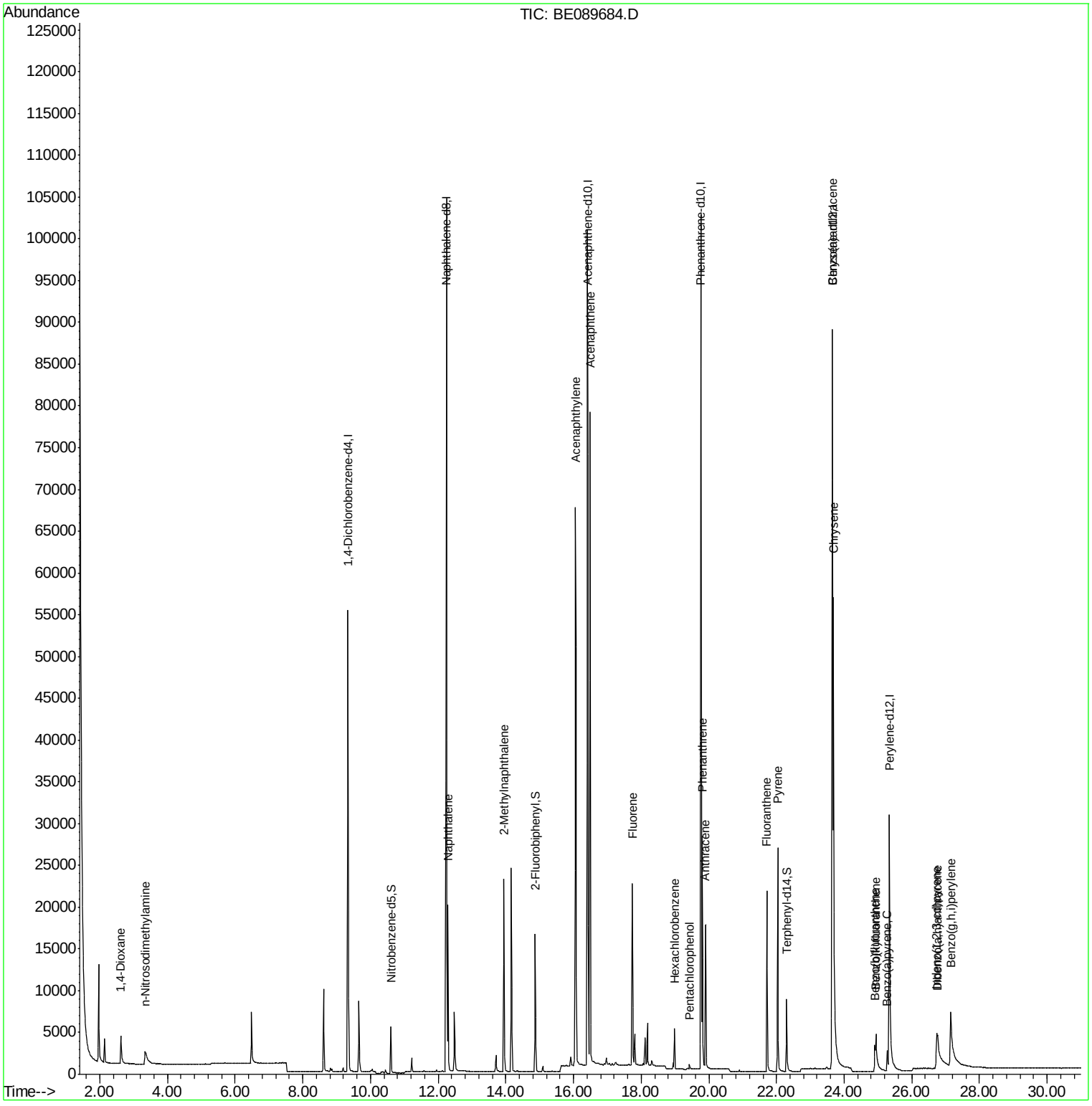
(#) = qualifier out of range (m) = manual integration (+) = signals summed

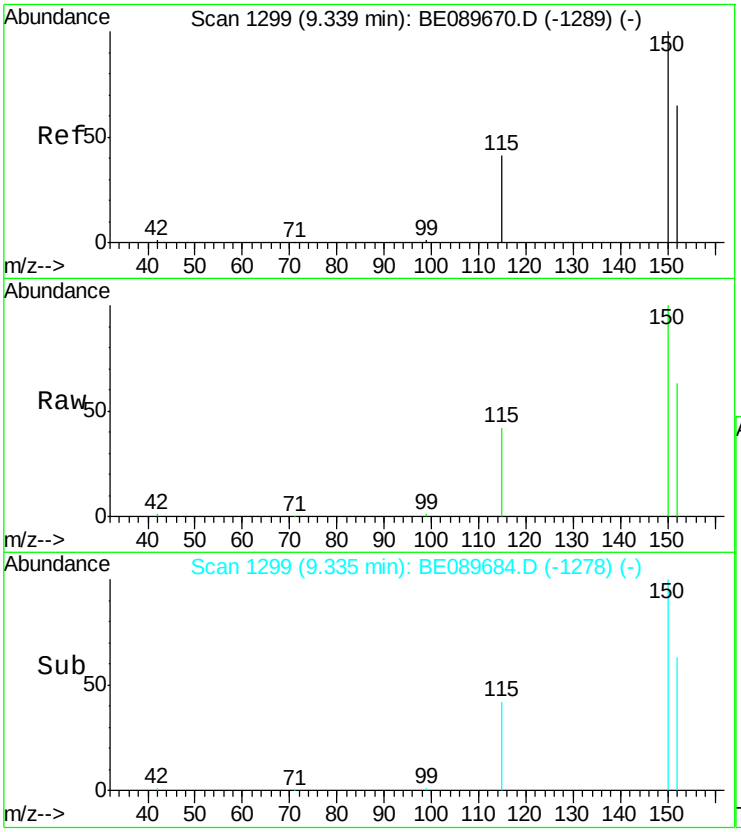
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022515\
Data File : BE089684.D
Acq On : 25 Feb 2015 16:57
Operator : TP/JJ
Sample : SSTDCCC001
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Quant Time: Feb 26 18:08:11 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE022415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 25 14:06:35 2015
Response via : Initial Calibration



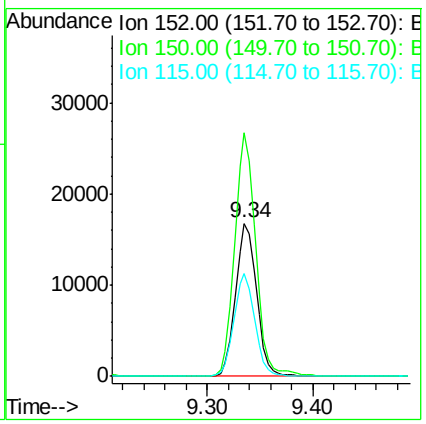


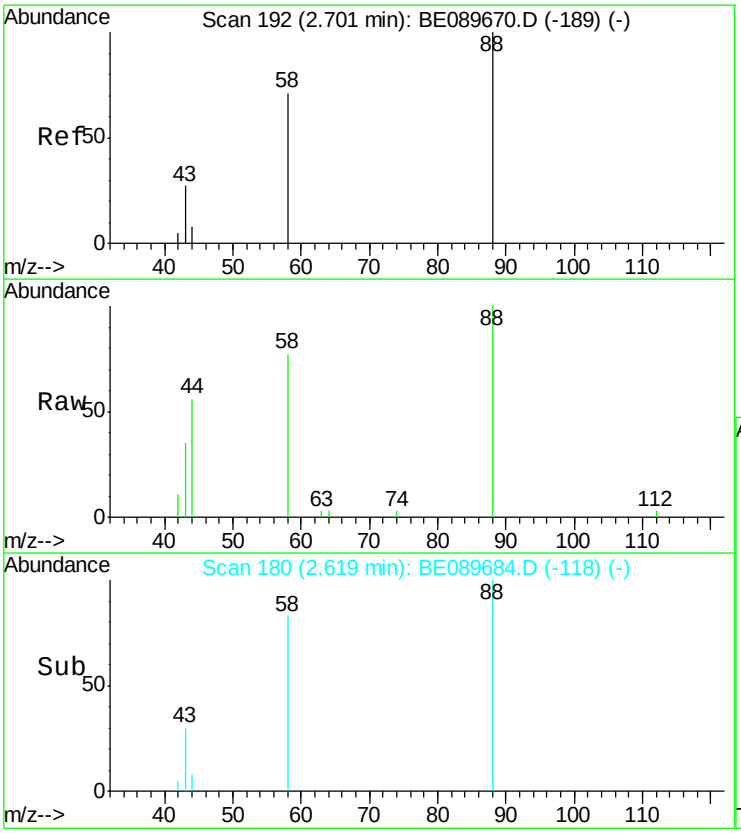

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:152 Resp: 23006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 123.4 | 185.0 |
| 115 | 67.2 | 50.8 | 76.2 |

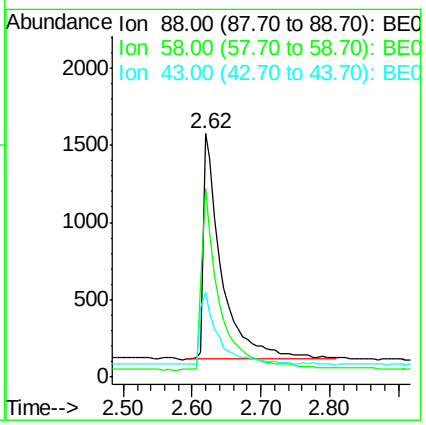


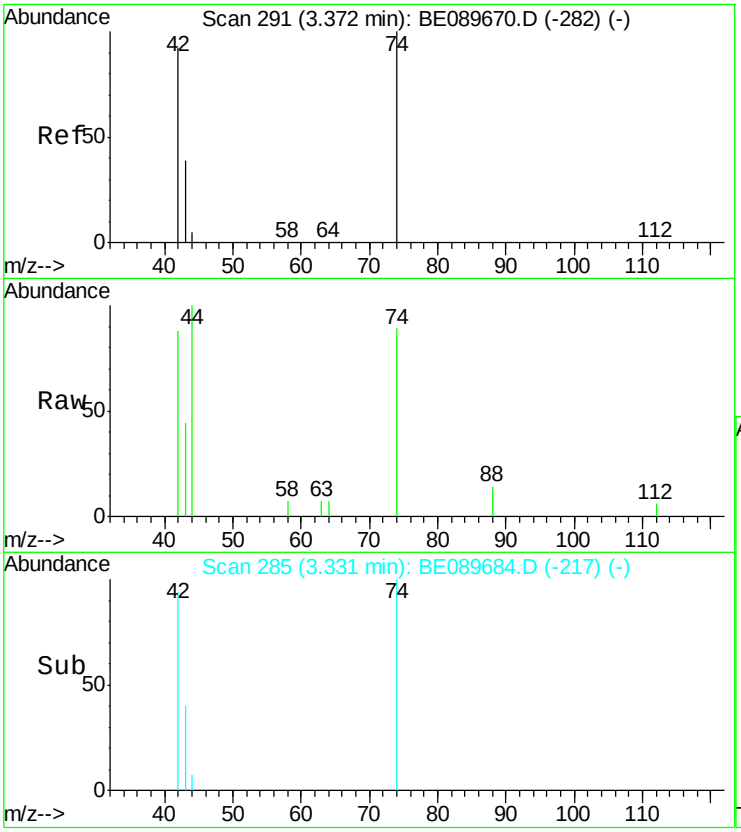




#2
1,4-Dioxane
Concen: 0.92 ng
RT: 2.62 min Scan# 180
Delta R.T. -0.08 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion: 88 Resp: 2653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 82.7 | 62.4 | 93.6 |
| 43 | 32.8 | 26.6 | 40.0 |



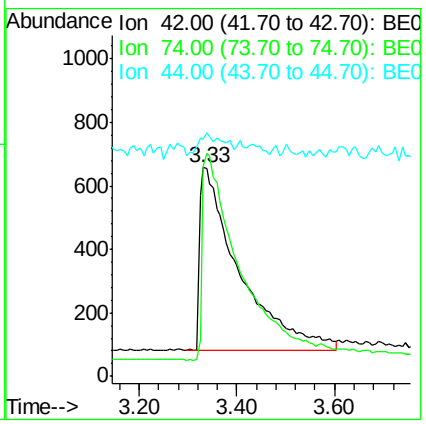


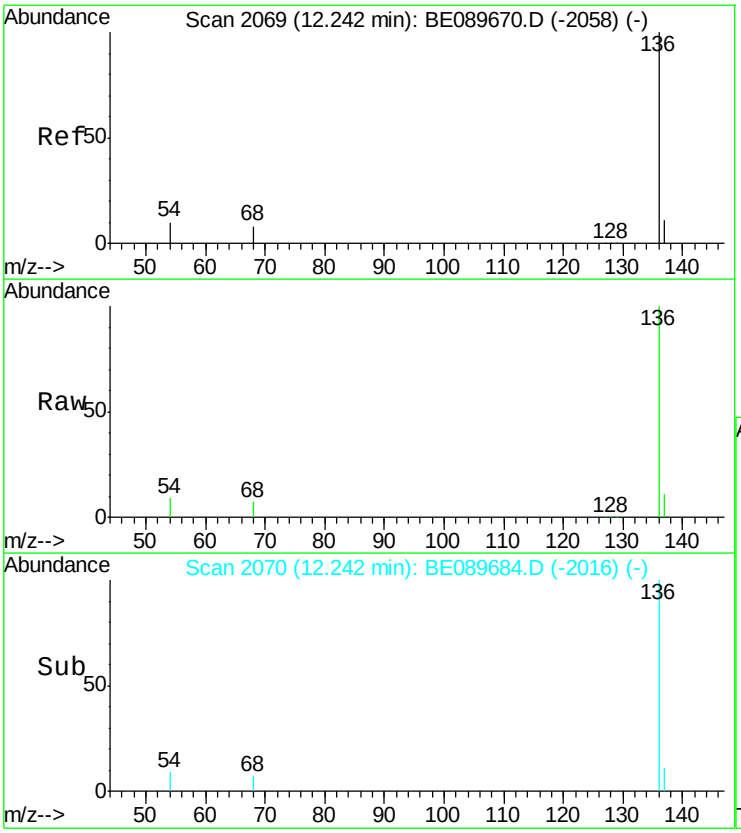

#3
n-Nitrosodimethylamine
Concen: 0.91 ng
RT: 3.33 min Scan# 285
Delta R.T. -0.04 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion: 42 Resp: 3232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 108.2 | 91.1 | 136.7 |
| 44 | 5.9 | 4.7 | 7.1 |

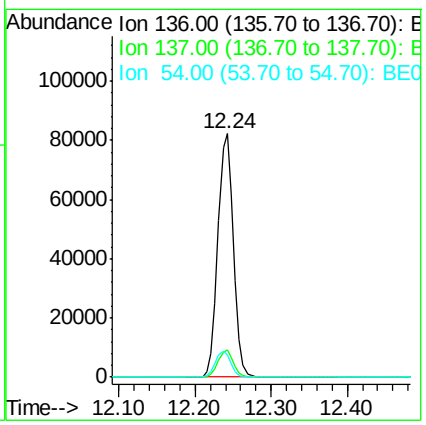


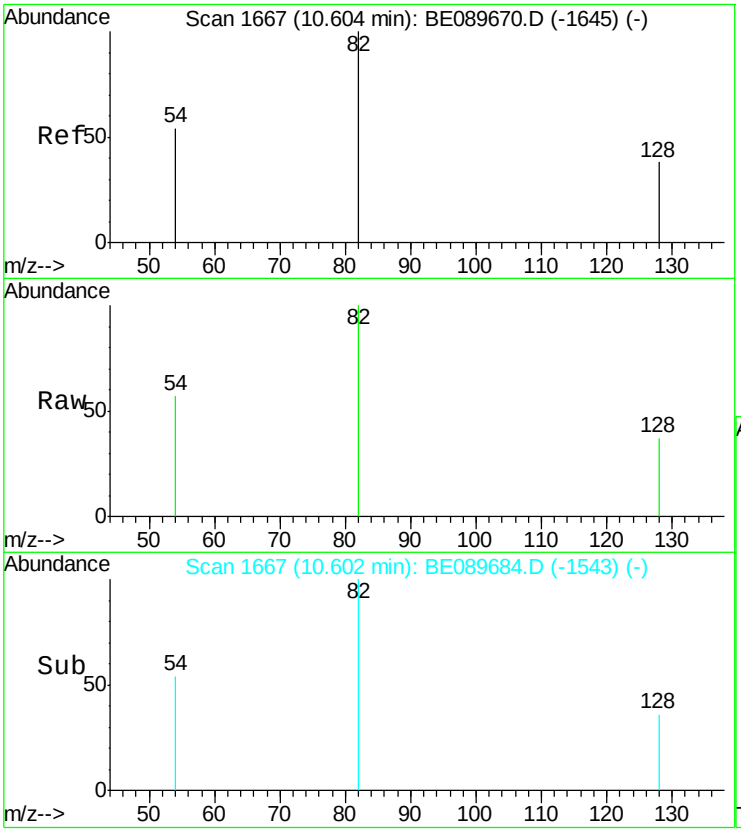




#4
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:136 Resp: 114662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.7 | 13.1 |
| 54 | 9.0 | 7.8 | 11.8 |



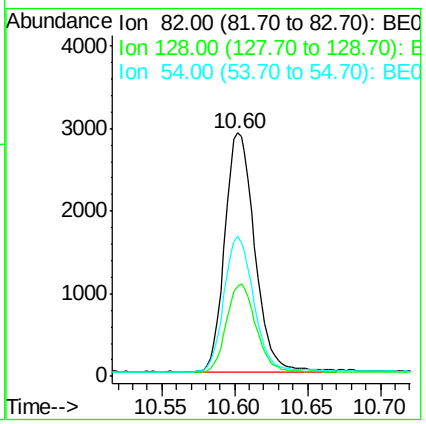


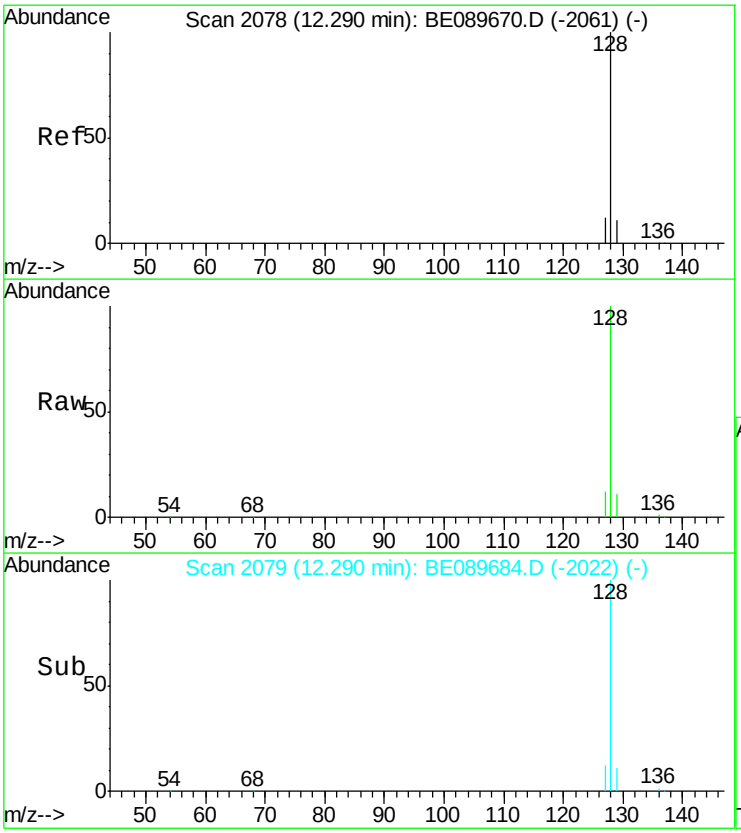

#5
Nitrobenzene-d5
Concen: 0.78 ng
RT: 10.60 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion: 82 Resp: 4125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.8 | 30.6 | 46.0 |
| 54 | 57.4 | 43.6 | 65.4 |

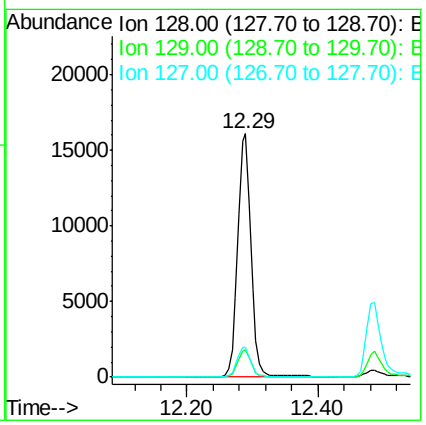


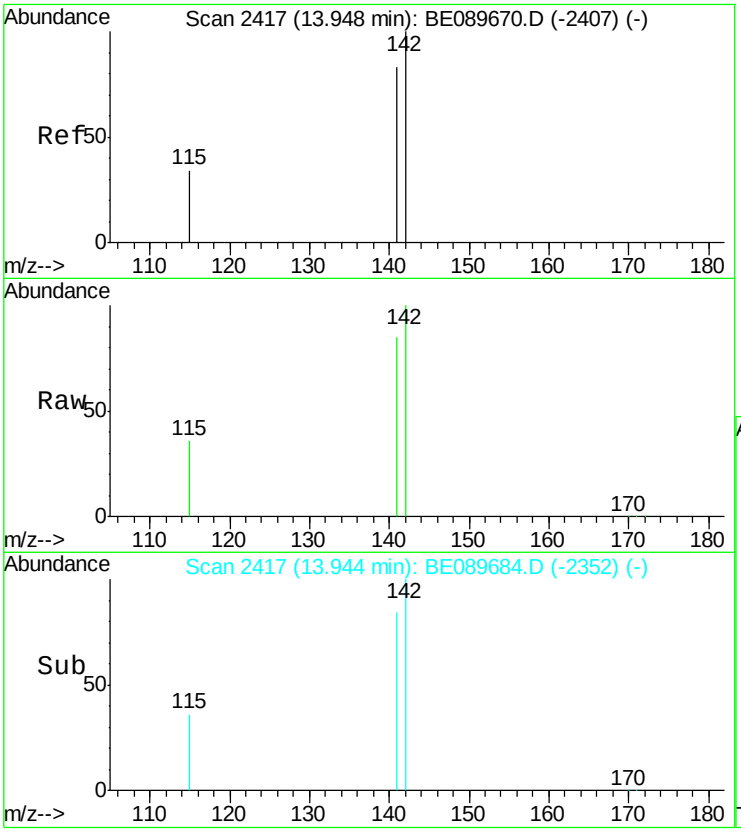




#6
Naphthalene
Concen: 1.02 ng
RT: 12.29 min Scan# 2079
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:128 Resp: 22664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.9 | 13.3 |
| 127 | 12.3 | 9.7 | 14.5 |



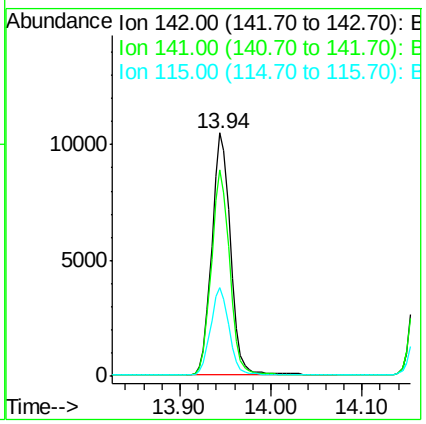


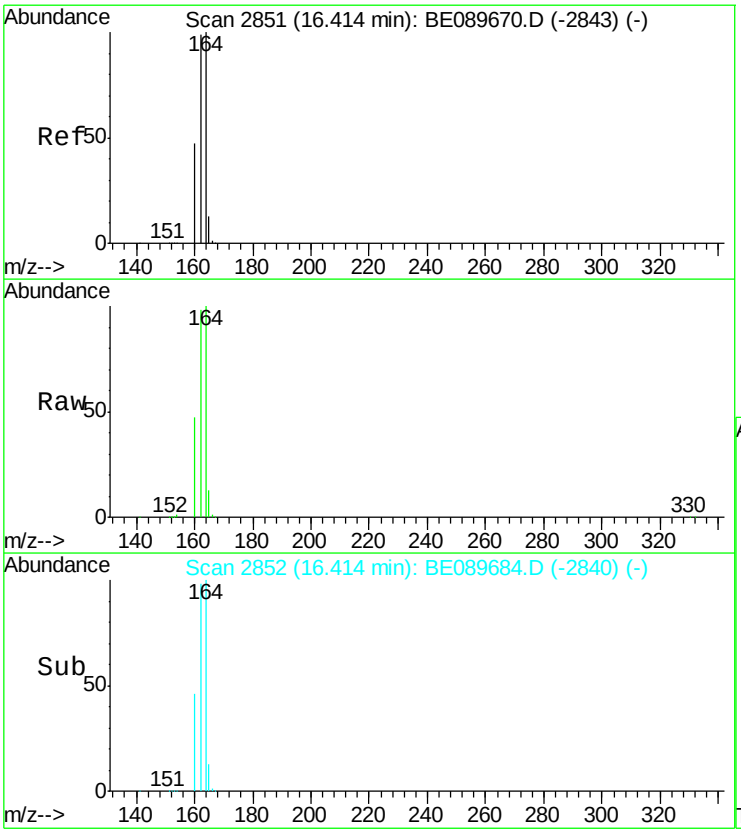

#7
2-Methylnaphthalene
Concen: 1.17 ng
RT: 13.94 min Scan# 2417
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:142 Resp: 14757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 84.6 | 66.0 | 99.0 |
| 115 | 36.4 | 27.4 | 41.0 |

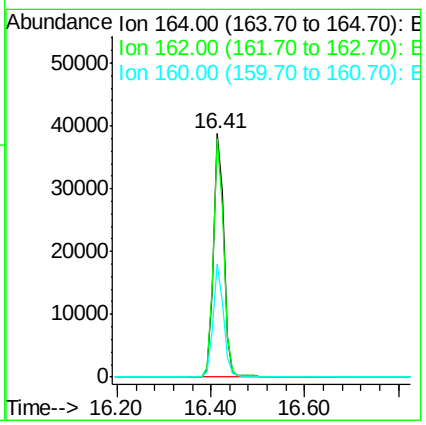


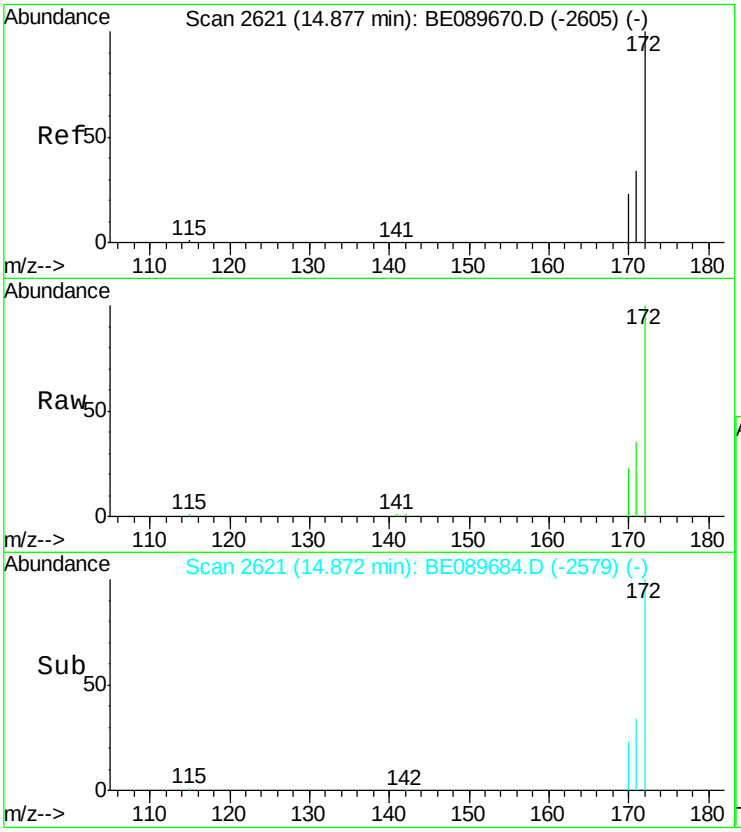




#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.41 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:164 Resp: 60121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 97.8 | 79.4 | 119.2 |
| 160 | 46.6 | 37.6 | 56.4 |



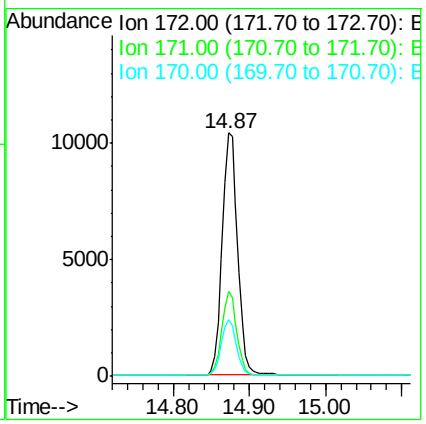


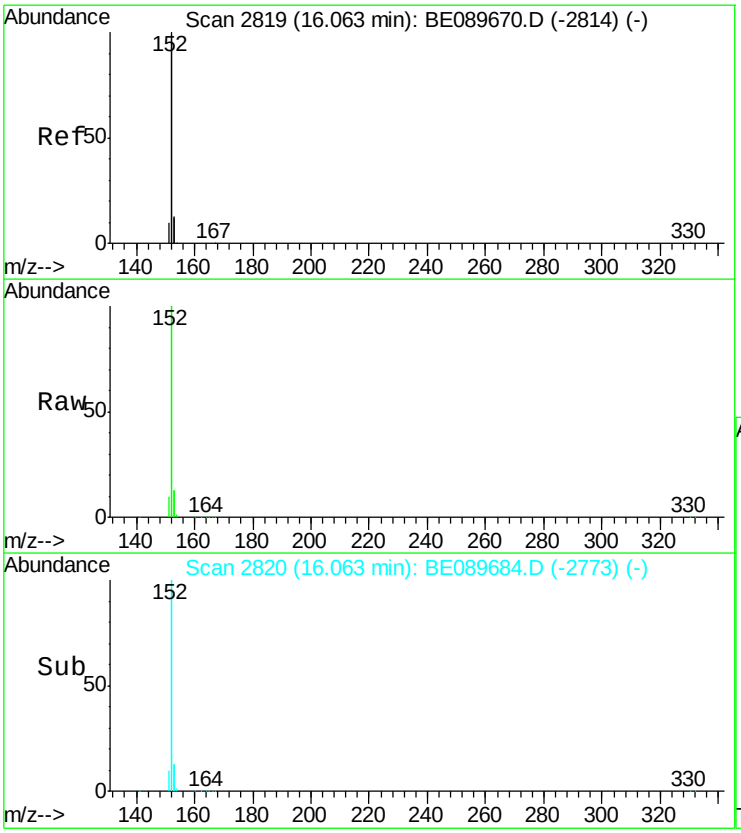

#9
2-Fluorobiphenyl
Concen: 1.07 ng
RT: 14.87 min Scan# 2621
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:172 Resp: 14609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 27.3 | 40.9 |
| 170 | 23.5 | 18.5 | 27.7 |

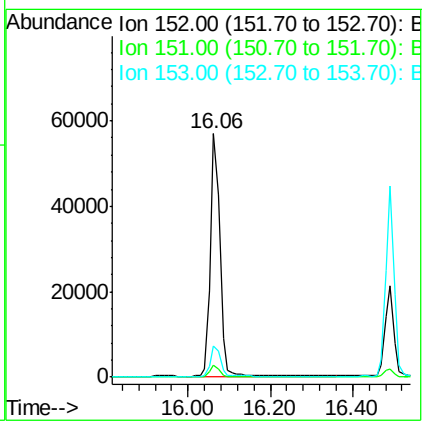


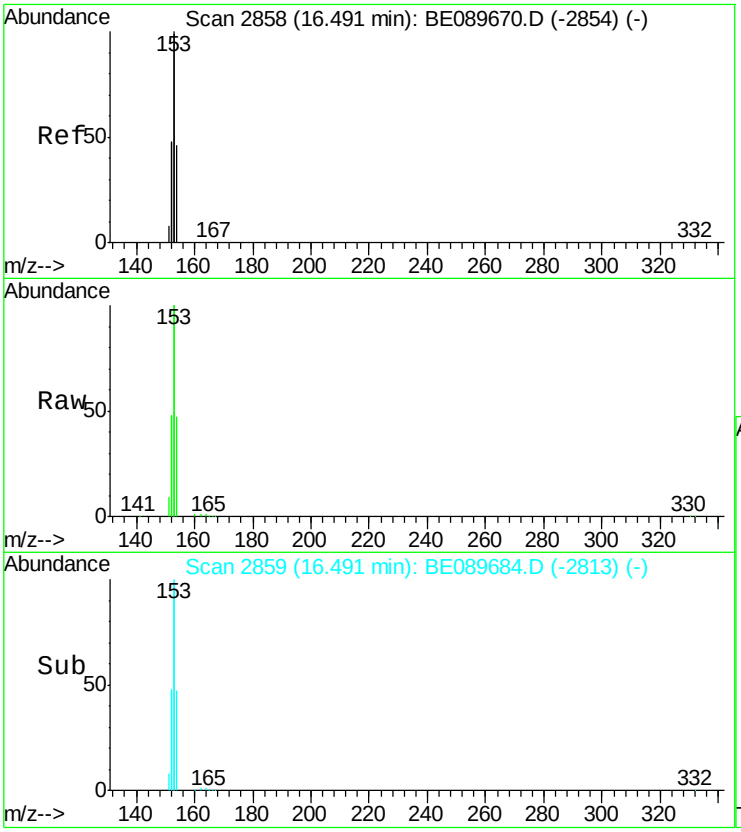




#10
Acenaphthylene
Concen: 1.03 ng
RT: 16.06 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:152 Resp: 89207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 4.7 | 3.8 | 5.6 |
| 153 | 12.9 | 10.4 | 15.6 |



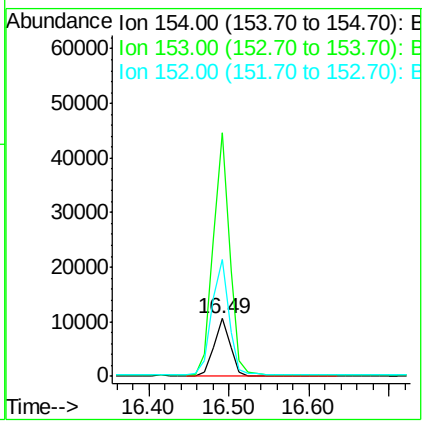


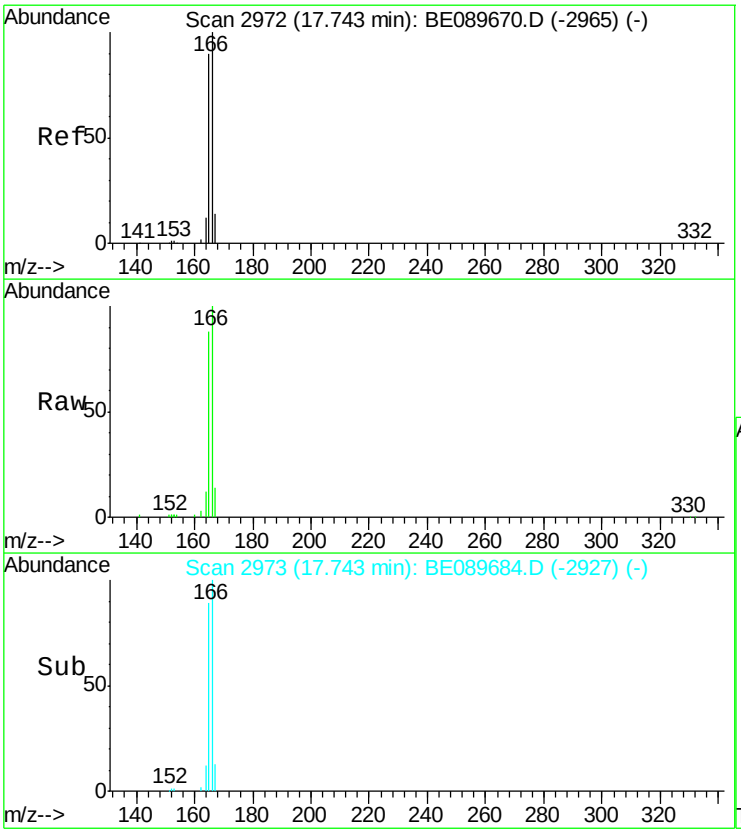

#11
Acenaphthene
Concen: 1.08 ng
RT: 16.49 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:154 Resp: 14818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 428.7 | 345.8 | 518.8 |
| 152 | 212.4 | 168.6 | 252.8 |

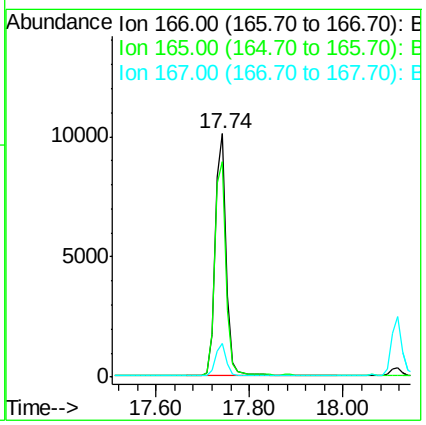


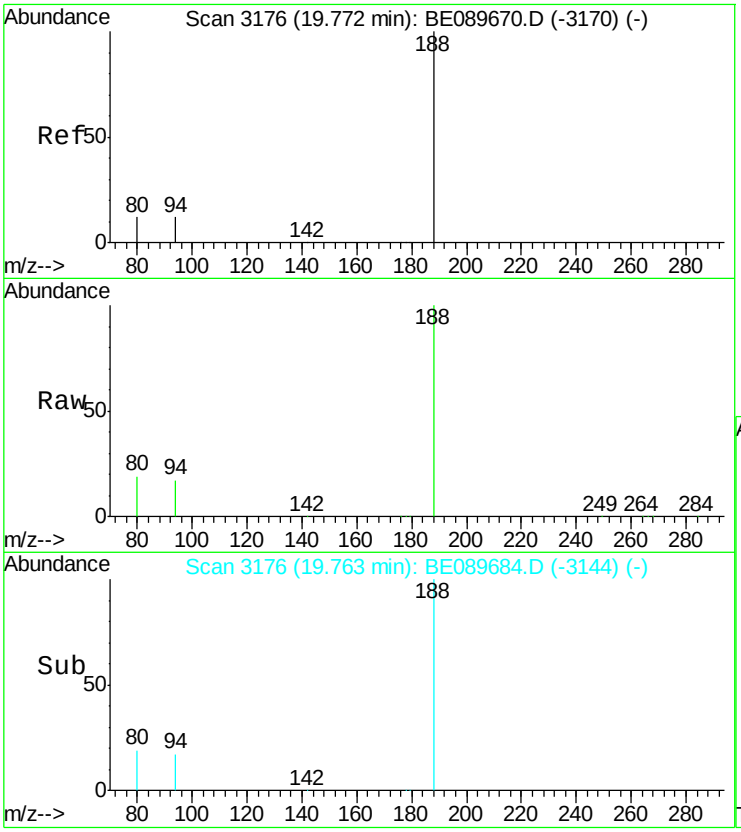




#12
Fluorene
Concen: 1.08 ng
RT: 17.74 min Scan# 2973
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:166 Resp: 16367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 90.7 | 73.6 | 110.4 |
| 167 | 13.1 | 10.6 | 16.0 |



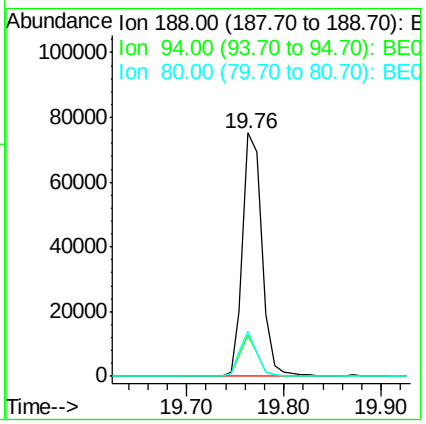


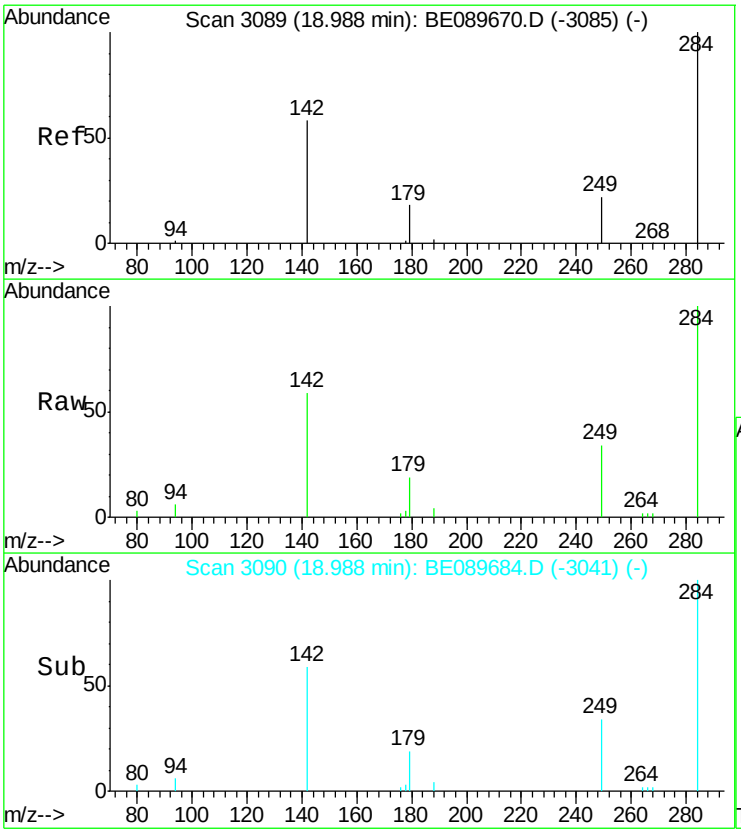

#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.76 min Scan# 3176
Delta R.T. -0.01 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:188 Resp: 103808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 17.1 | 9.4 | 14.2# |
| 80 | 18.6 | 9.5 | 14.3# |

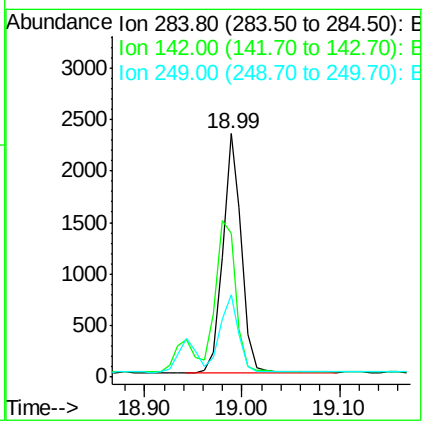


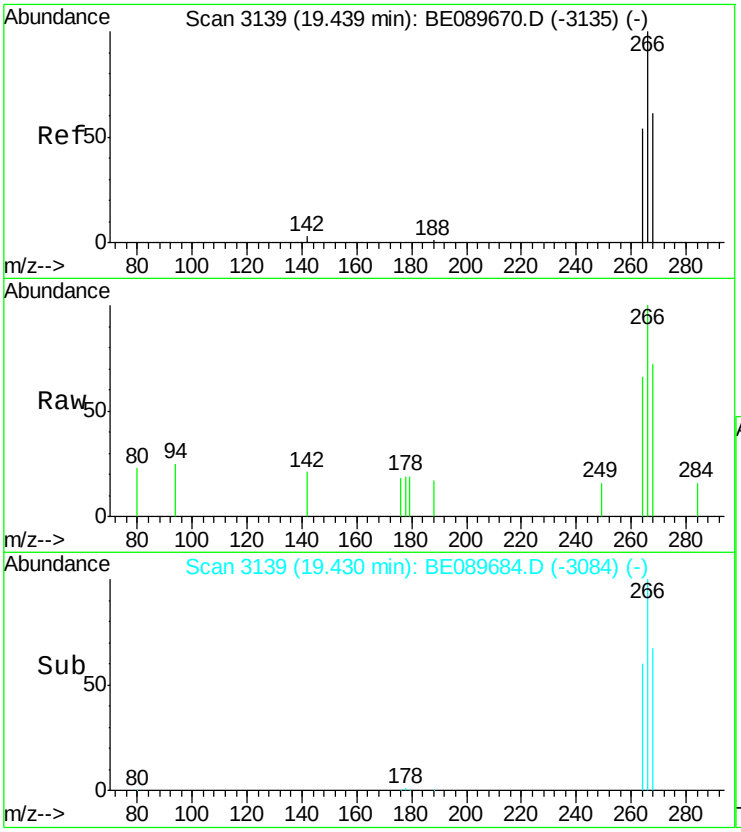




#14
Hexachlorobenzene
Concen: 1.15 ng
RT: 18.99 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:284 Resp: 3094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 67.7 | 55.4 | 83.2 |
| 249 | 32.3 | 27.2 | 40.8 |



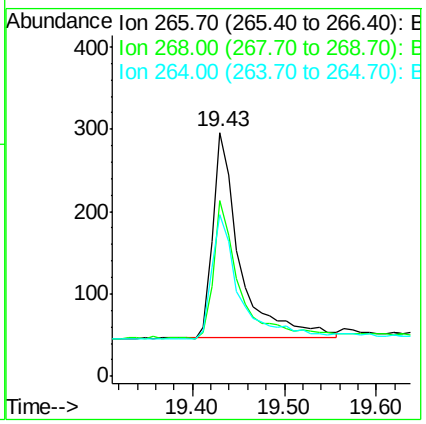


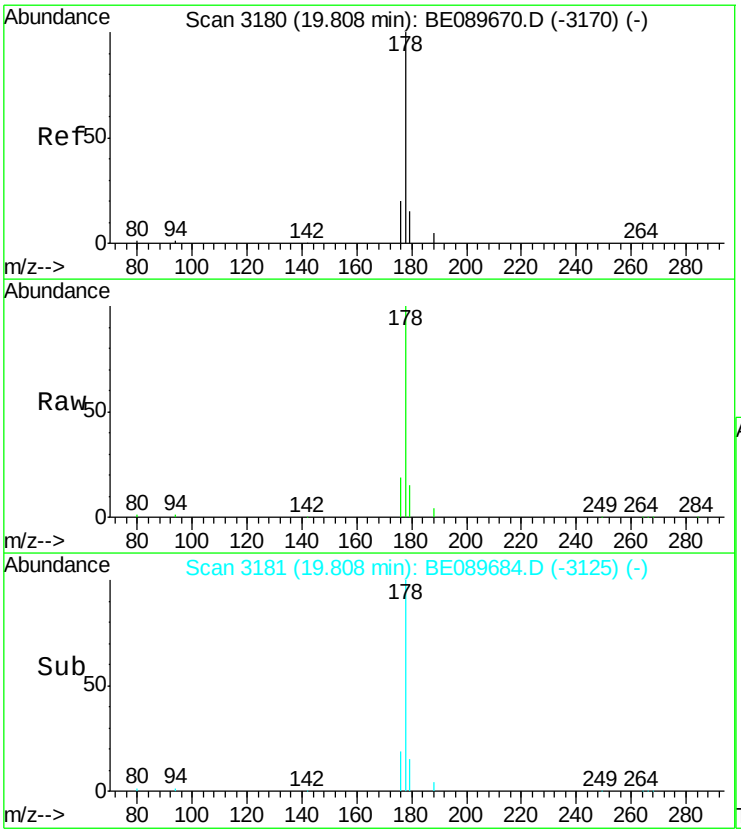

#15
Pentachlorophenol
Concen: 1.73 ng
RT: 19.43 min Scan# 3139
Delta R.T. -0.01 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:266 Resp: 506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 72.3 | 56.3 | 84.5 |
| 264 | 66.2 | 51.8 | 77.8 |

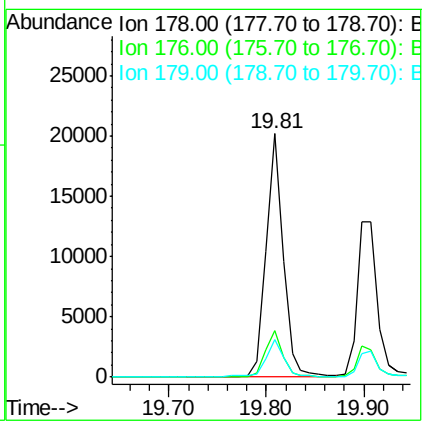


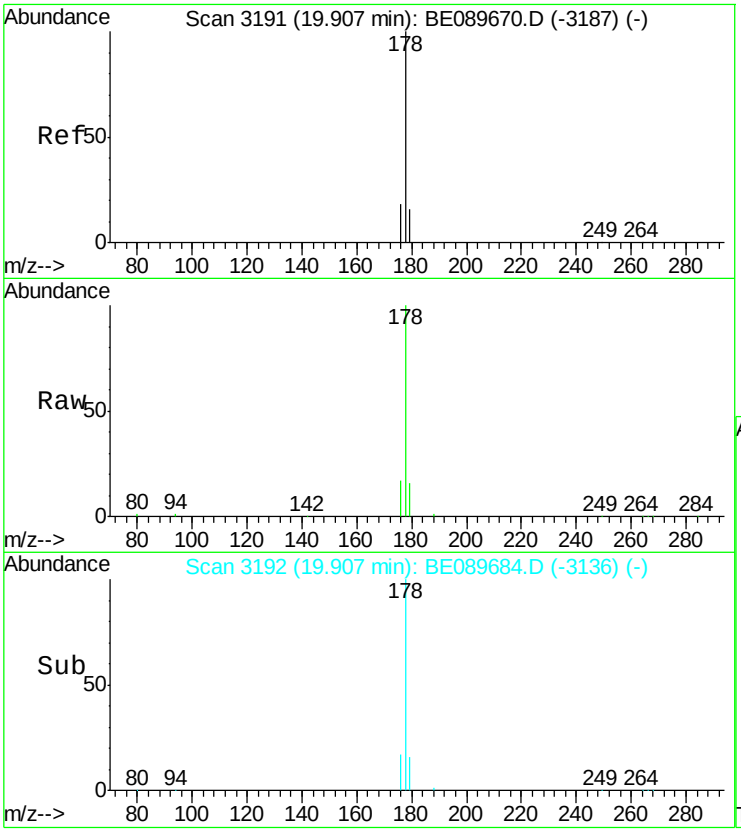




#16
Phenanthrene
Concen: 1.09 ng
RT: 19.81 min Scan# 3181
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:178 Resp: 24125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.3 | 22.9 |
| 179 | 15.4 | 12.5 | 18.7 |



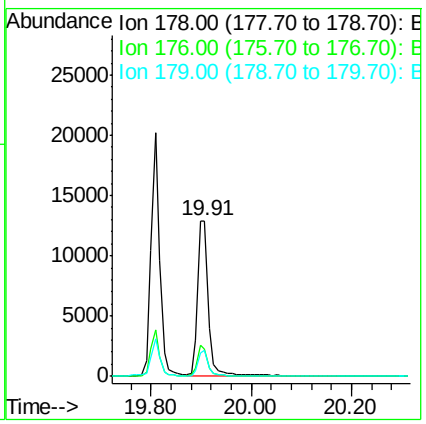


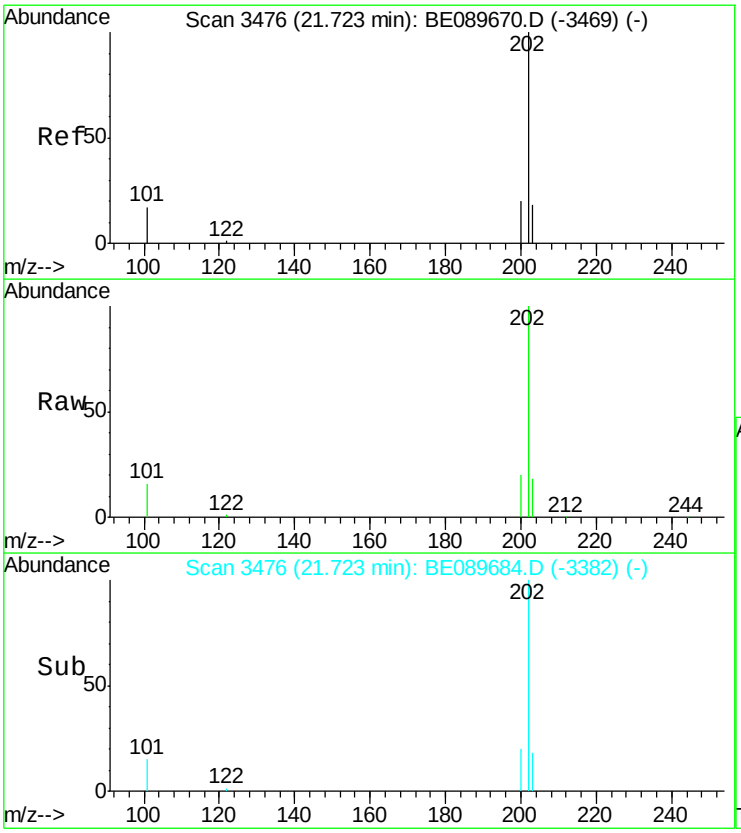

#17
Anthracene
Concen: 1.02 ng
RT: 19.91 min Scan# 3192
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:178 Resp: 19182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.8 | 22.2 |
| 179 | 15.3 | 12.2 | 18.2 |

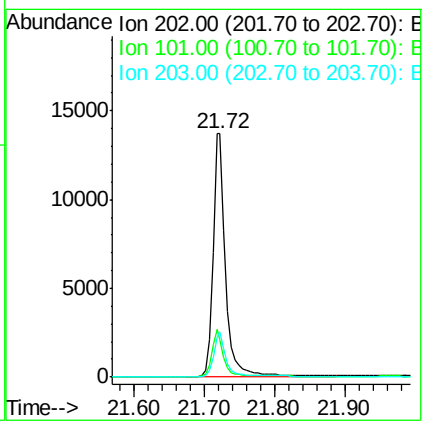


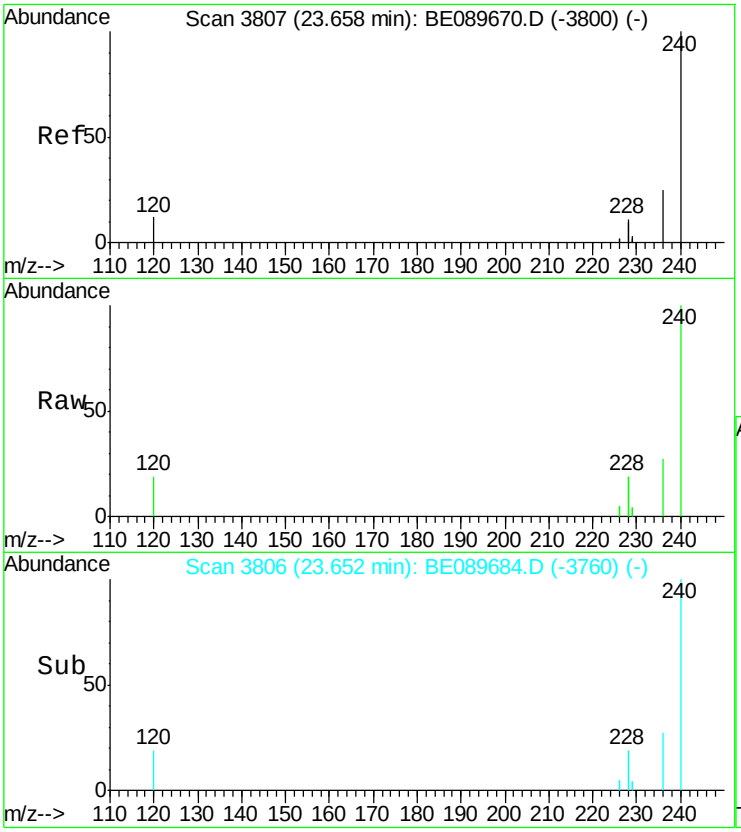




#18
Fluoranthene
Concen: 0.94 ng
RT: 21.72 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:202 Resp: 17337

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.8 | 14.9 | 22.3 |
| 203 | 17.2 | 13.8 | 20.6 |



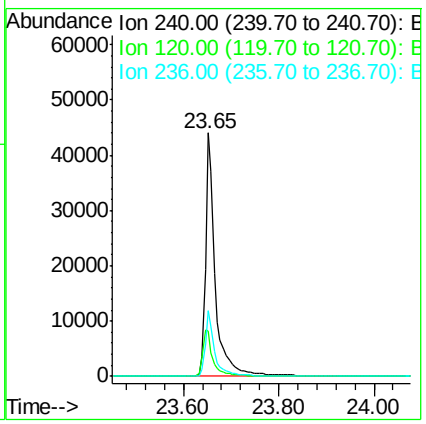


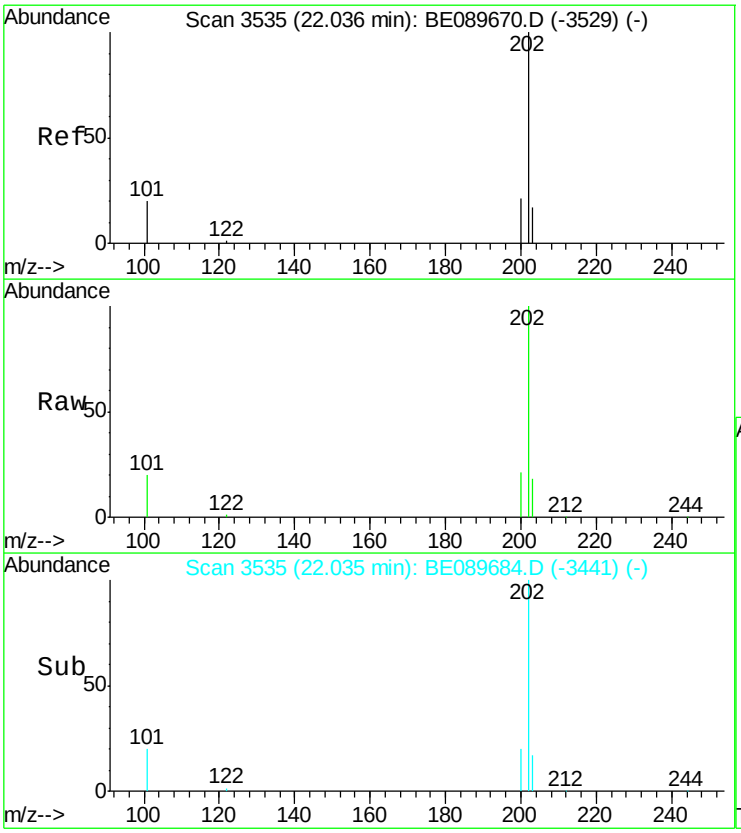

#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.65 min Scan# 3806
Delta R.T. -0.01 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:240 Resp: 62823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 18.8 | 9.4 | 14.0# |
| 236 | 27.1 | 19.9 | 29.9 |

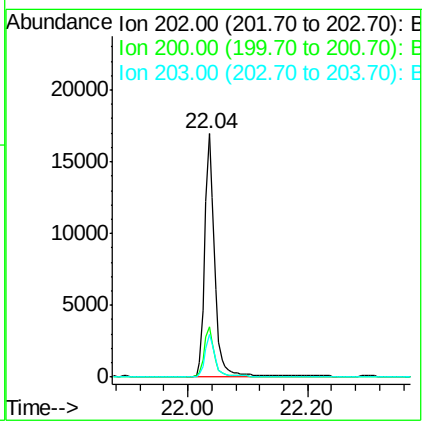


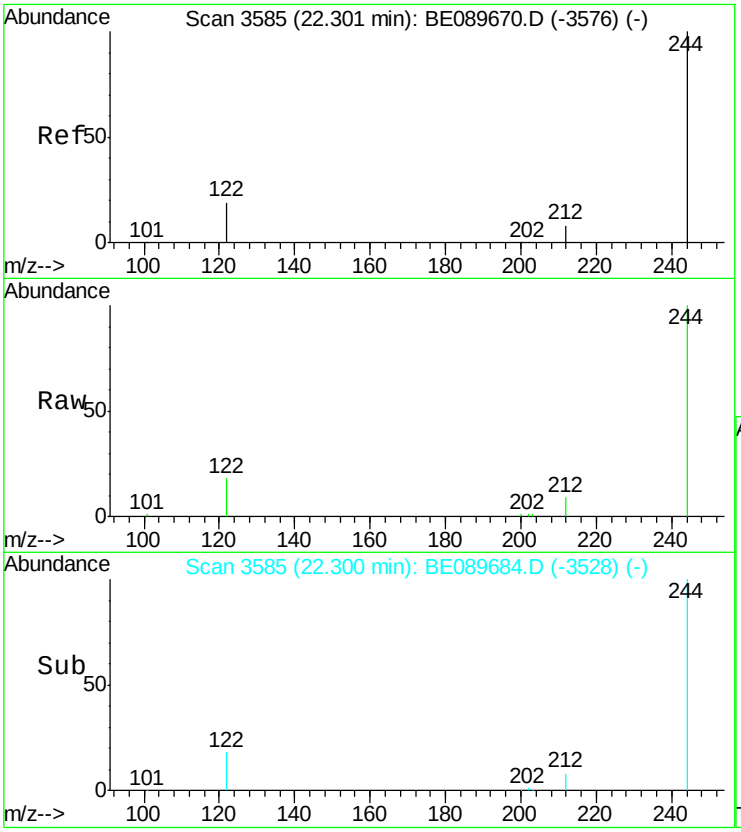




#20
Pyrene
Concen: 1.26 ng
RT: 22.04 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:202 Resp: 19204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 16.4 | 24.6 |
| 203 | 17.3 | 13.9 | 20.9 |



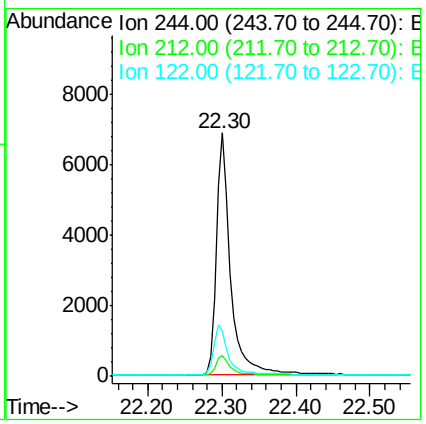


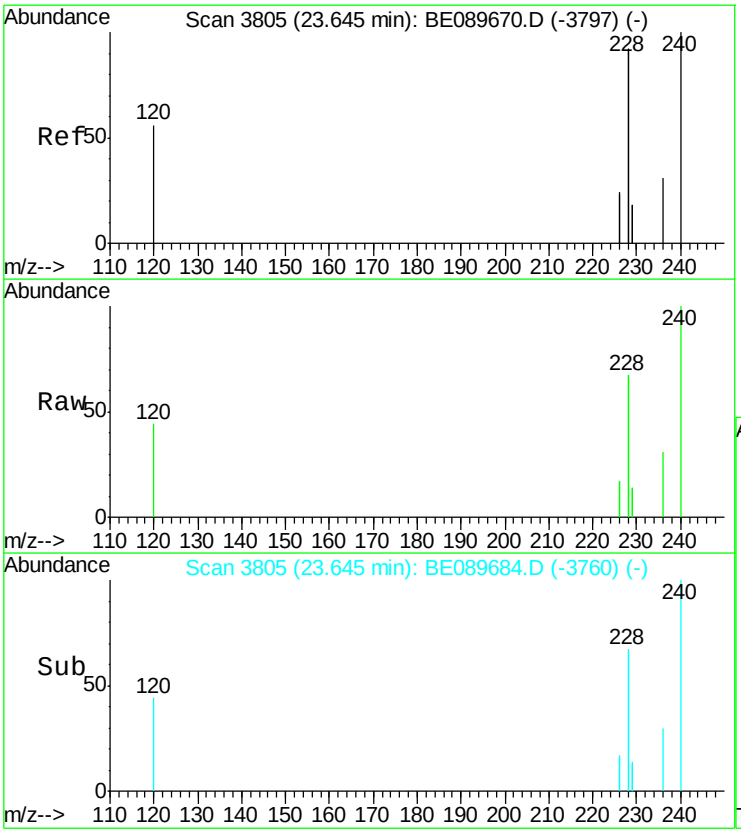

#21
Terphenyl-d14
Concen: 1.25 ng
RT: 22.30 min Scan# 3585
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:244 Resp: 9226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 7.0 | 10.6 |
| 122 | 18.3 | 15.4 | 23.0 |

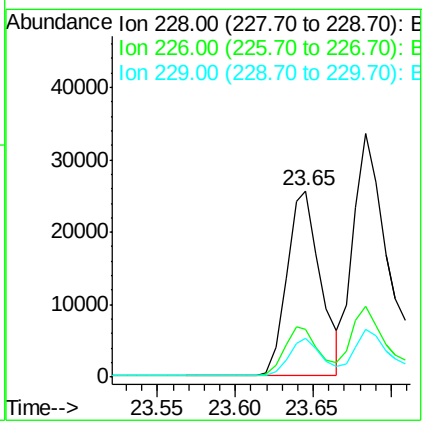


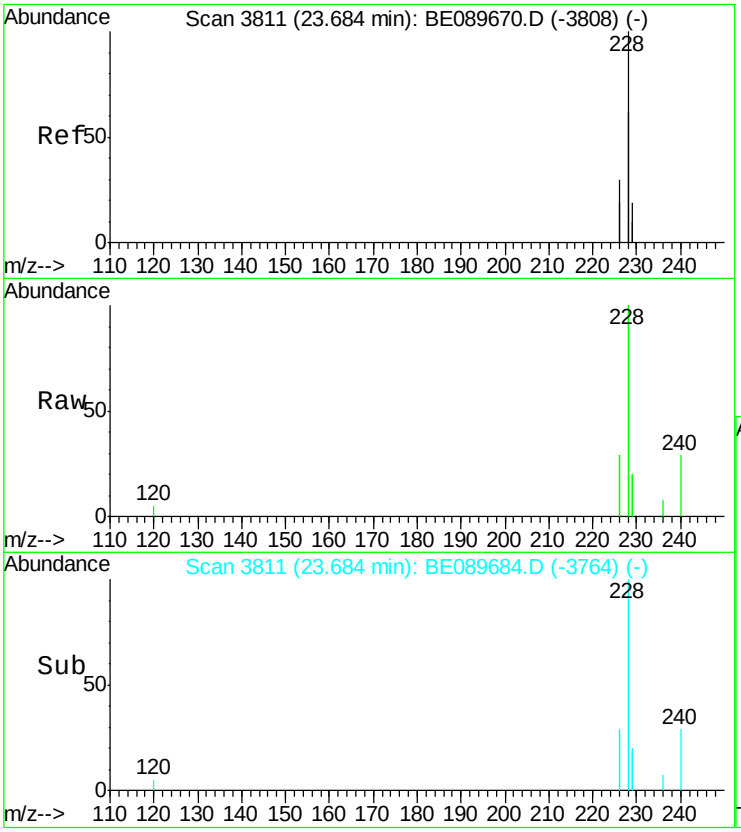




#22
Benzo(a)anthracene
Concen: 0.93 ng
RT: 23.65 min Scan# 3805
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:228 Resp: 38218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 25.6 | 20.6 | 31.0 |
| 229 | 20.8 | 15.8 | 23.6 |



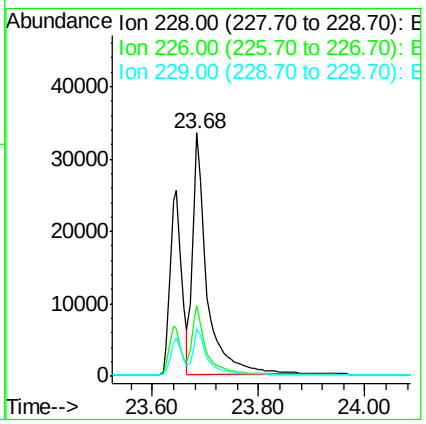


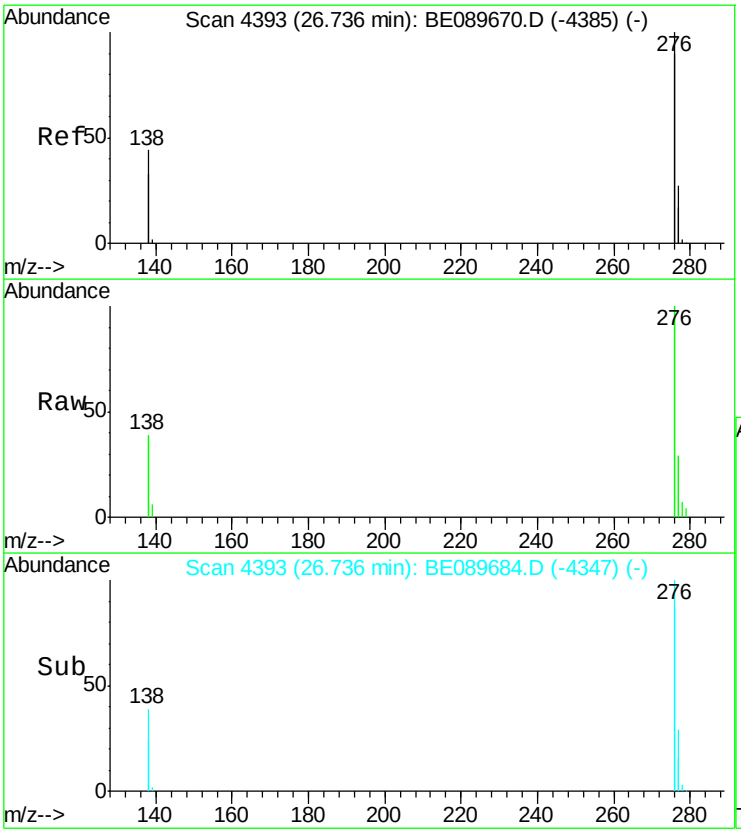

#23
Chrysene
Concen: 1.10 ng
RT: 23.68 min Scan# 3811
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:228 Resp: 62906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 23.6 | 35.4 |
| 229 | 19.7 | 15.3 | 22.9 |

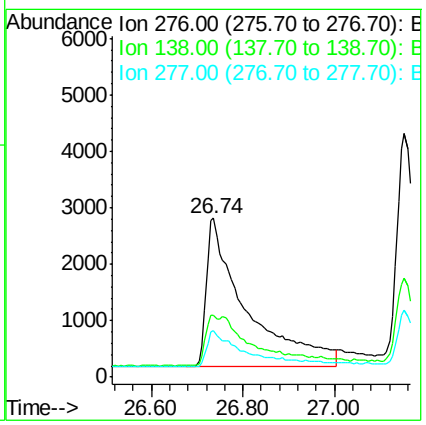


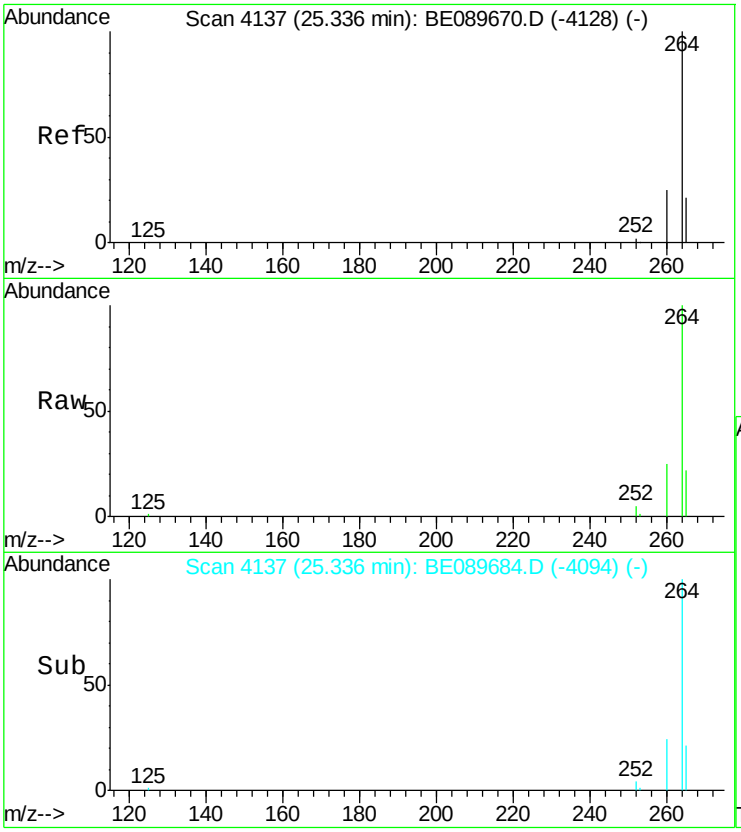




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.97 ng
RT: 26.74 min Scan# 4393
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:276 Resp: 15925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.9 | 0.0 | 0.0# |
| 277 | 22.6 | 5.2 | 7.8# |



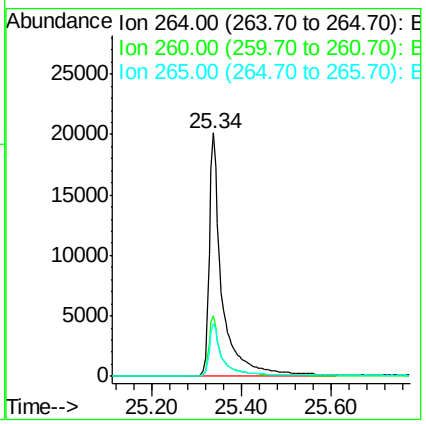


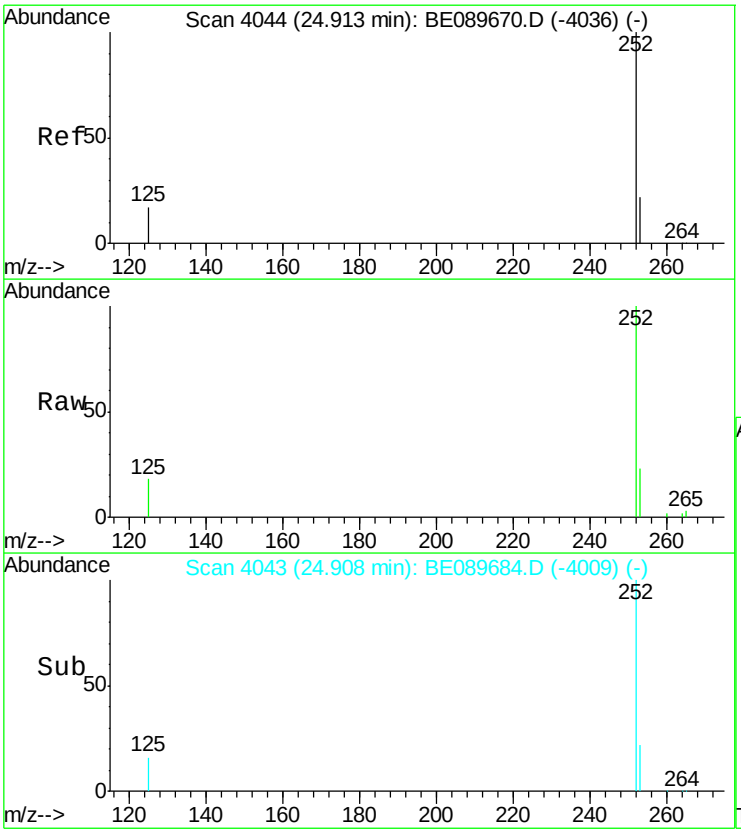

#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4137
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:264 Resp: 39395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 20.2 | 30.4 |
| 265 | 21.8 | 17.0 | 25.4 |

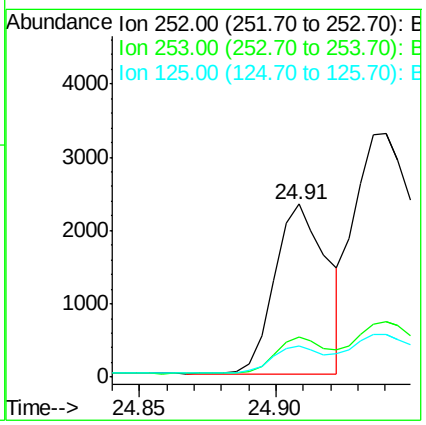


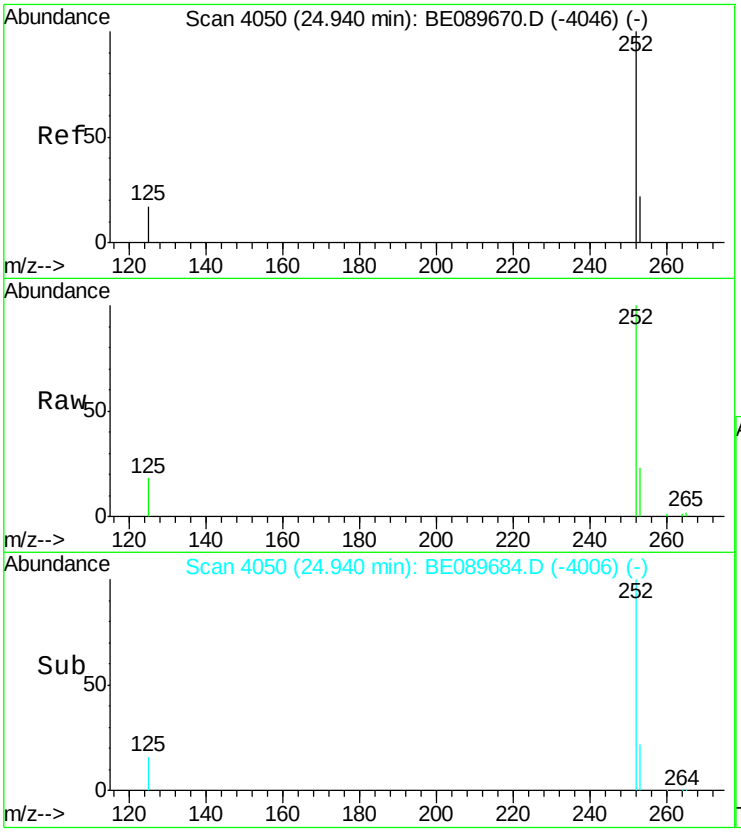




#26
Benzo(b)fluoranthene
Concen: 1.20 ng
RT: 24.91 min Scan# 4043
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:252 Resp: 3090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.6 | 27.8 |
| 125 | 18.2 | 15.0 | 22.6 |



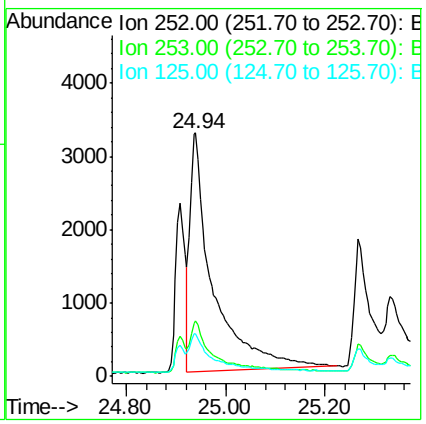


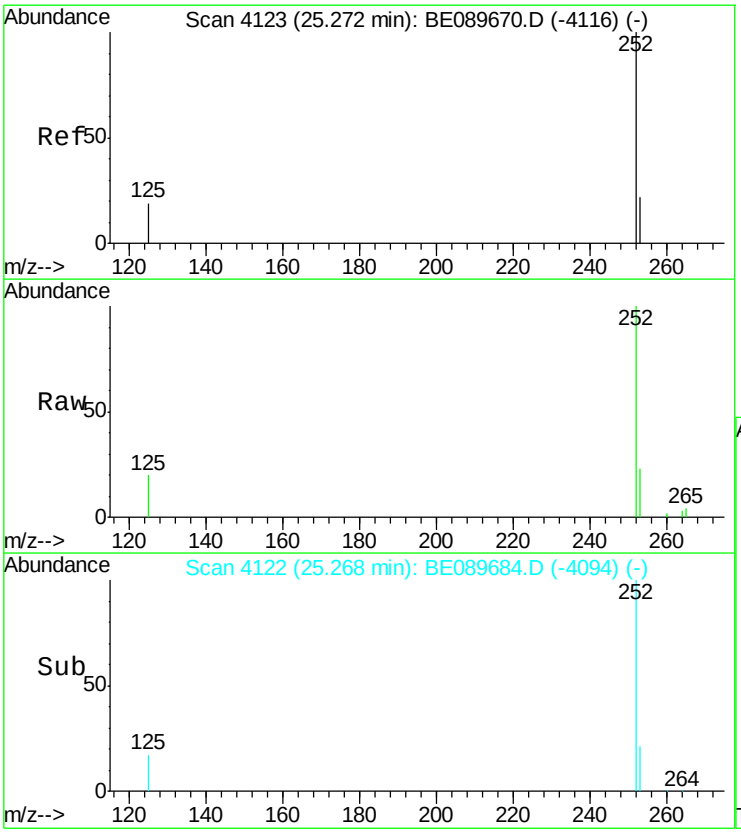

#27
Benzo(k)fluoranthene
Concen: 1.11 ng
RT: 24.94 min Scan# 4050
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:252 Resp: 10403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.0 | 27.0 |
| 125 | 17.7 | 14.3 | 21.5 |

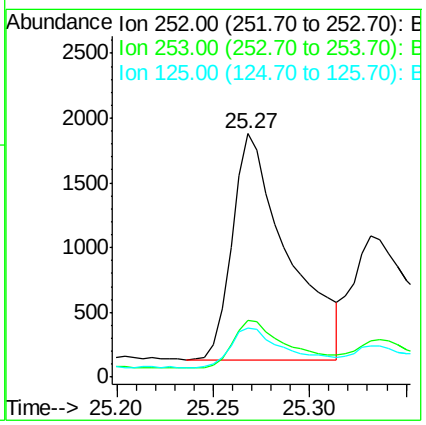


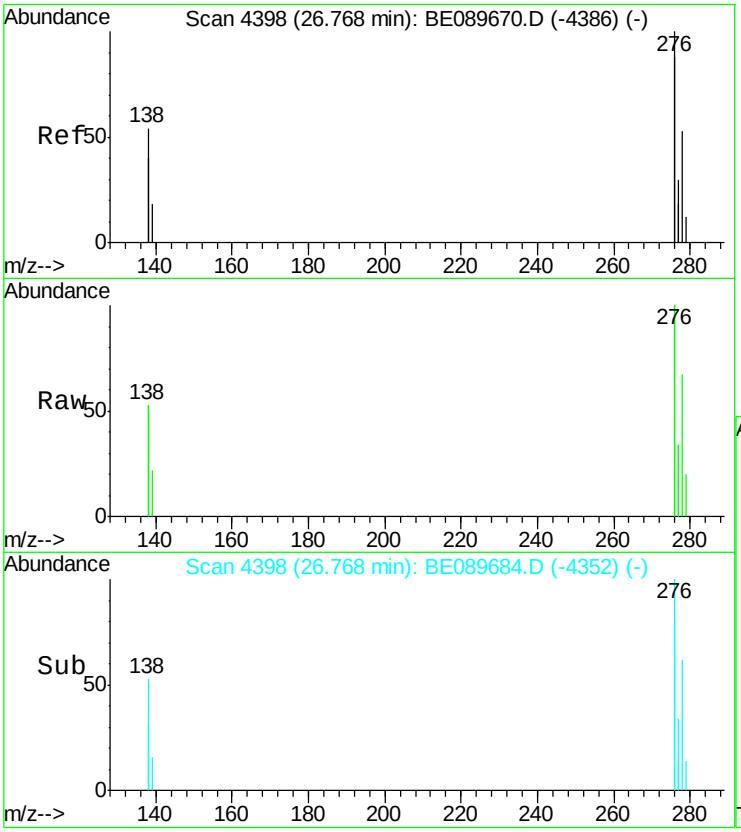




#28
Benzo(a)pyrene
Concen: 1.11 ng
RT: 25.27 min Scan# 4122
Delta R.T. -0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:252 Resp: 3501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.8 | 28.2 |
| 125 | 20.2 | 16.6 | 24.8 |



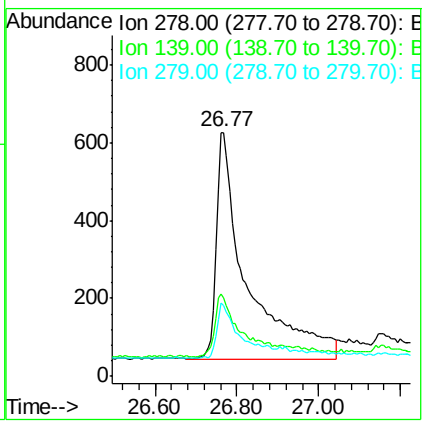


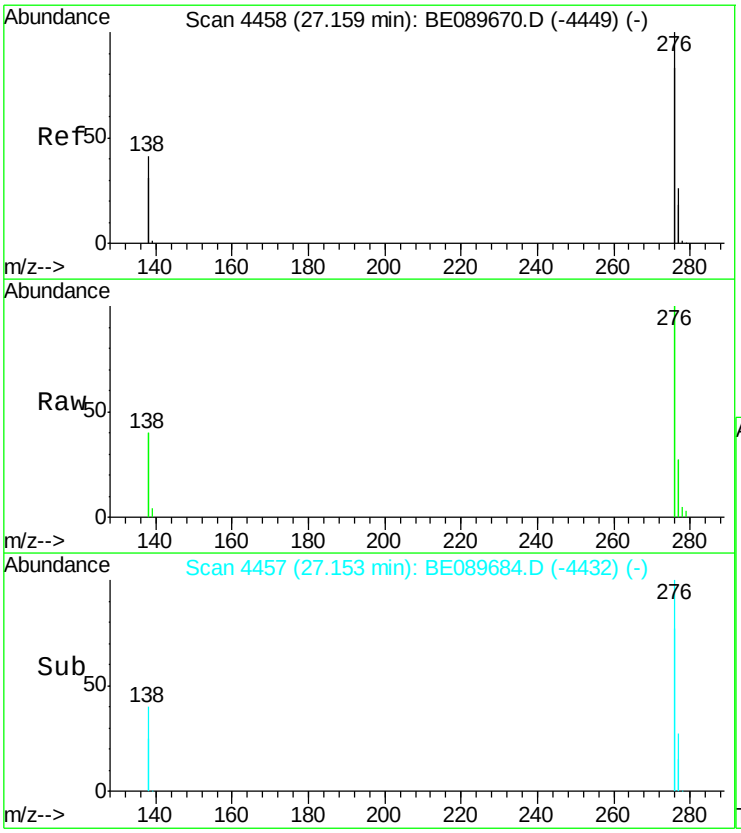

#29
Dibenzo(a,h)anthracene
Concen: 1.20 ng
RT: 26.77 min Scan# 4398
Delta R.T. 0.00 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

**Instrument :**
BNA_E
**LabSampleId :**
SSTDCCC001

Tgt Ion:278 Resp: 3004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 32.1 | 30.4 | 45.6 |
| 279 | 29.1 | 22.0 | 33.0 |




#30
Benzo(g,h,i)perylene
Concen: 1.09 ng
RT: 27.15 min Scan# 4457
Delta R.T. -0.01 min
Lab File: BE089684.D
Acq: 25 Feb 2015 16:57

Tgt Ion:276 Resp: 18989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.4 | 21.0 | 31.6 |
| 138 | 40.4 | 33.0 | 49.4 |