Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
Data File : BE089654.D
Acq On : 23 Feb 2015 23:29
Operator : TP/JJ
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 24 03:18:16 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:06:59 2015
Response via : Initial Calibration

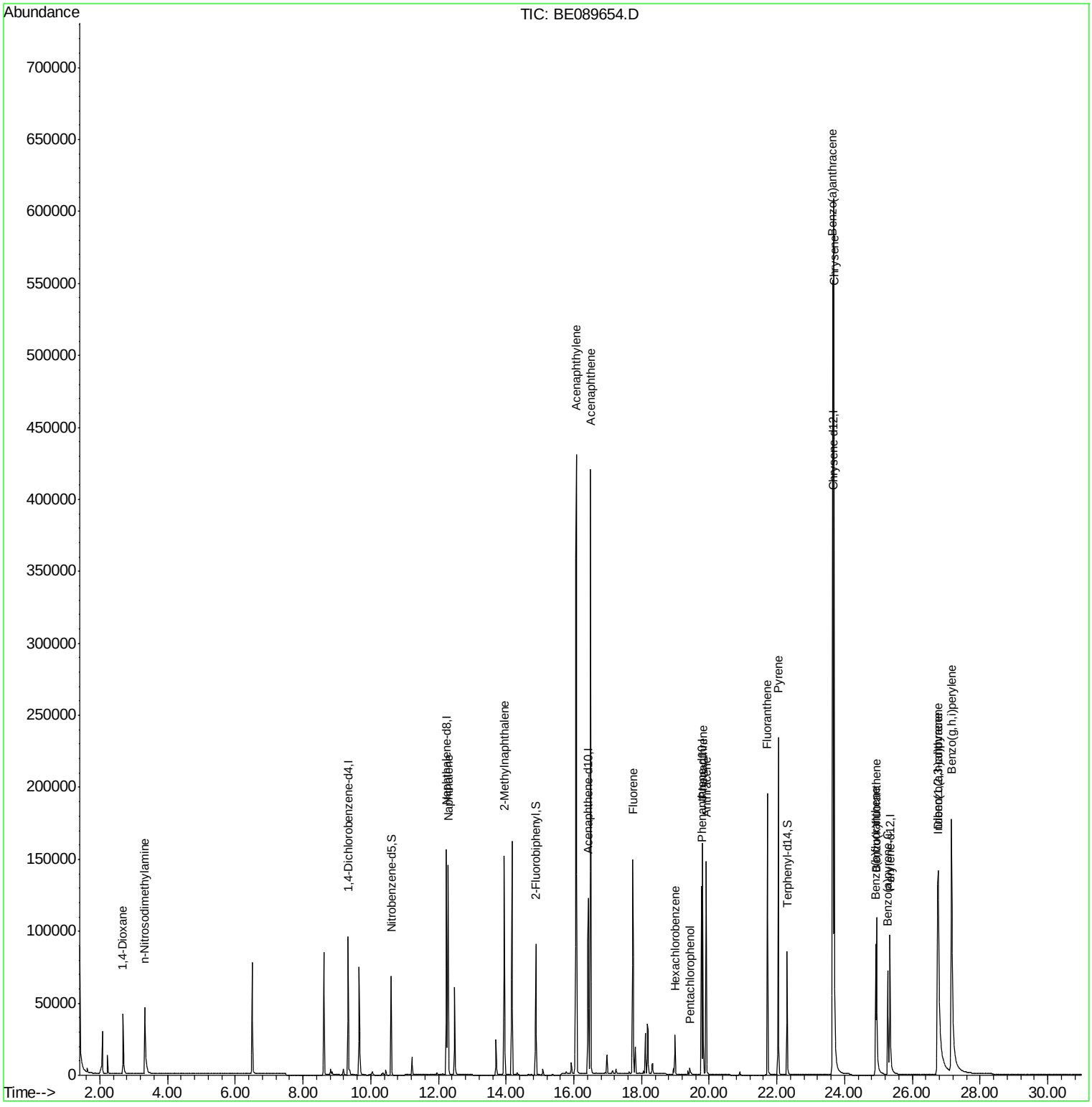
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.34 | 152 | 41455 | 5.00 | ng | | 0.00 |
| 4) Naphthalene-d8 | 12.24 | 136 | 176304 | 5.00 | ng | | 0.00 |
| 8) Acenaphthene-d10 | 16.42 | 164 | 74055 | 5.00 | ng | | 0.00 |
| 13) Phenanthrene-d10 | 19.77 | 188 | 134055 | 5.00 | ng | | 0.00 |
| 19) Chrysene-d12 | 23.66 | 240 | 116610 | 5.00 | ng | | 0.00 |
| 25) Perylene-d12 | 25.34 | 264 | 92624 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) Nitrobenzene-d5 | 10.60 | 82 | 48432 | 6.04 | ng | | 0.00 |
| 9) 2-Fluorobiphenyl | 14.88 | 172 | 82923 | 4.29 | ng | | 0.00 |
| 21) Terphenyl-d14 | 22.30 | 244 | 73511 | 3.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 25888 | 3.77 | ng | | 99 |
| 3) n-Nitrosodimethylamine | 3.32 | 42 | 35909 | 4.91 | ng | | 98 |
| 6) Naphthalene | 12.29 | 128 | 170722 | 4.26 | ng | | 100 |
| 7) 2-Methylnaphthalene | 13.95 | 142 | 101467 | 4.50 | ng | | 96 |
| 10) Acenaphthylene | 16.07 | 152 | 584222 | 4.76 | ng | | 100 |
| 11) Acenaphthene | 16.49 | 154 | 86353 | 4.40 | ng | | 99 |
| 12) Fluorene | 17.74 | 166 | 99131 | 4.83 | ng | | 100 |
| 14) Hexachlorobenzene | 19.00 | 284 | 17676 | 4.27 | ng | | 99 |
| 15) Pentachlorophenol | 19.43 | 266 | 3799 | 3.69 | ng | | 94 |
| 16) Phenanthrene | 19.81 | 178 | 144431 | 4.30 | ng | | 100 |
| 17) Anthracene | 19.91 | 178 | 138464 | 5.10 | ng | | 99 |
| 18) Fluoranthene | 21.72 | 202 | 139425 | 5.72 | ng | | 100 |
| 20) Pyrene | 22.04 | 202 | 151603 | 4.14 | ng | | 99 |
| 22) Benzo(a)anthracene | 23.64 | 228 | 459546 | 5.37 | ng | | 96 |
| 23) Chrysene | 23.68 | 228 | 516361 | 4.09 | ng | | 95 |
| 24) Indeno(1,2,3-cd)pyrene | 26.74 | 276 | 347354 | 7.30 | ng | # | 91 |
| 26) Benzo(b)fluoranthene | 24.91 | 252 | 76153 | 8.59 | ng | | 97 |
| 27) Benzo(k)fluoranthene | 24.94 | 252 | 128536 | 5.53 | ng | | 98 |
| 28) Benzo(a)pyrene | 25.27 | 252 | 77200 | 7.55 | ng | | 97 |
| 29) Dibenzo(a,h)anthracene | 26.78 | 278 | 67169 | 7.83 | ng | | 94 |
| 30) Benzo(g,h,i)perylene | 27.16 | 276 | 311226 | 5.85 | ng | | 96 |

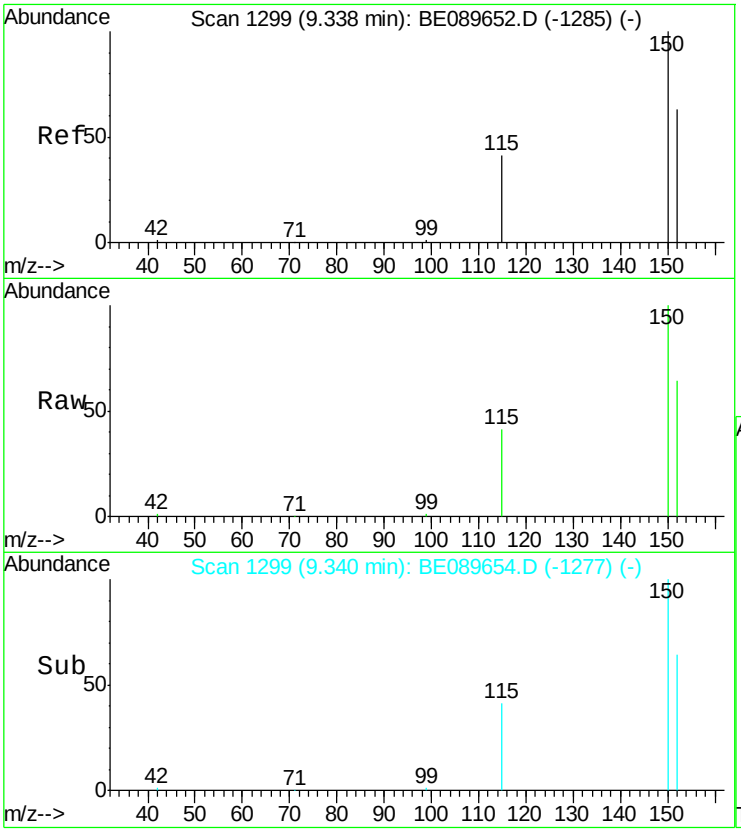
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE022315\
Data File : BE089654.D
Acq On : 23 Feb 2015 23:29
Operator : TP/JJ
Sample : SSTDICC005
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 24 03:18:16 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SIMPAH-BE022315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 24 03:06:59 2015
Response via : Initial Calibration

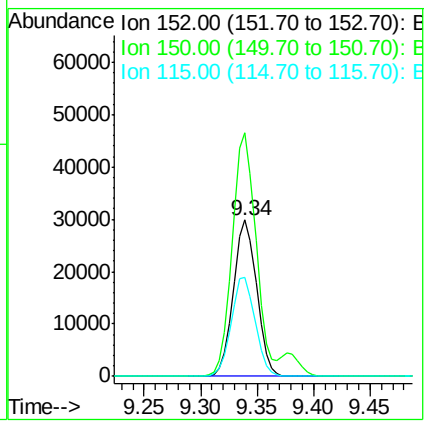


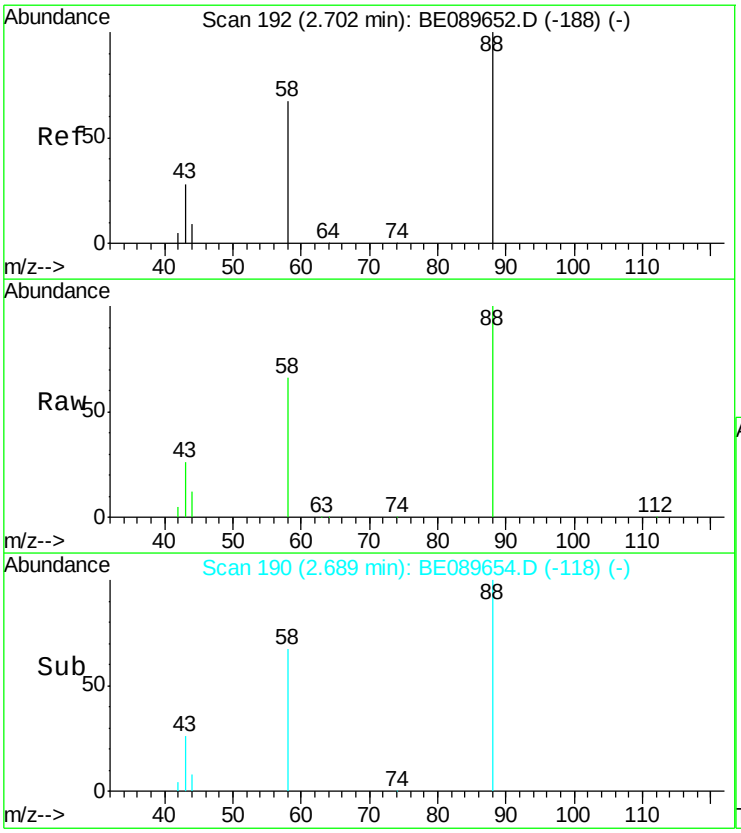



#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.34 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:152 Resp: 41455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 127.0 | 190.6 |
| 115 | 63.6 | 52.4 | 78.6 |

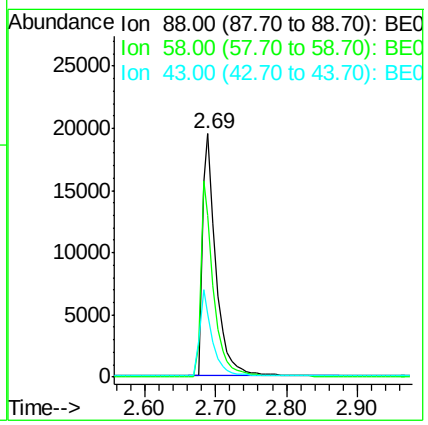


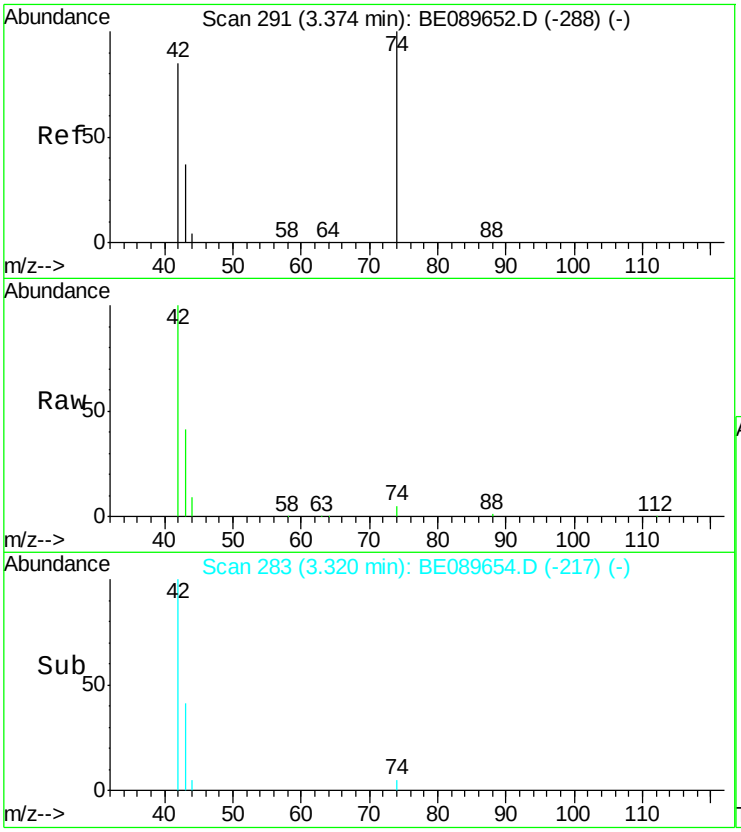




#2
1,4-Dioxane
Concen: 3.77 ng
RT: 2.69 min Scan# 190
Delta R.T. -0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion: 88 Resp: 25888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 76.7 | 61.8 | 92.6 |
| 43 | 33.7 | 26.4 | 39.6 |

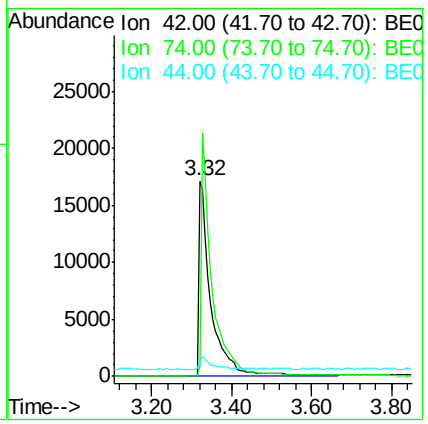


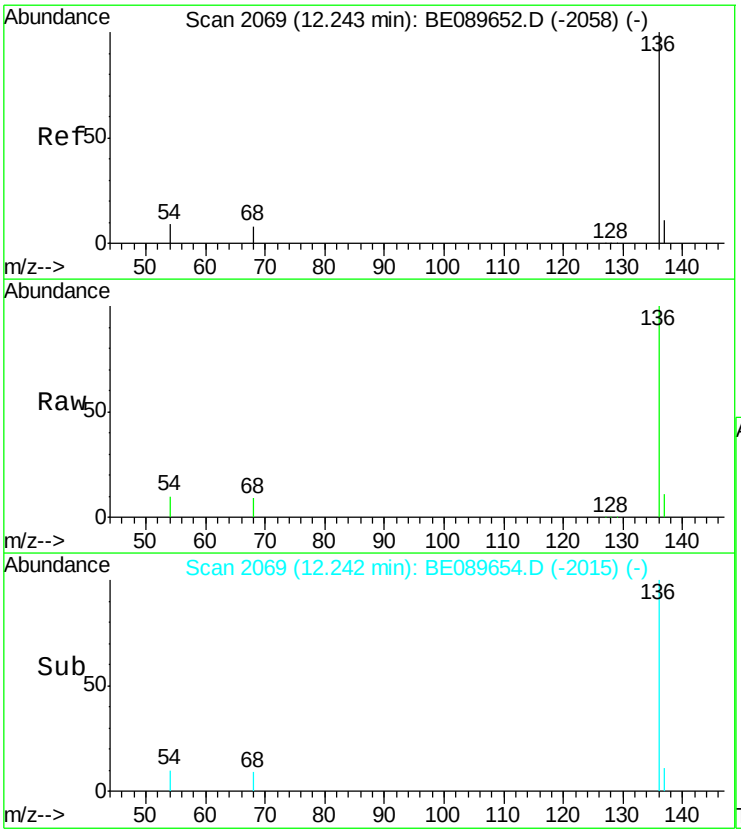



#3
n-Nitrosodimethylamine
Concen: 4.91 ng
RT: 3.32 min Scan# 283
Delta R.T. -0.05 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion: 42 Resp: 35909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.1 | 92.5 | 138.7 |
| 44 | 6.7 | 4.9 | 7.3 |

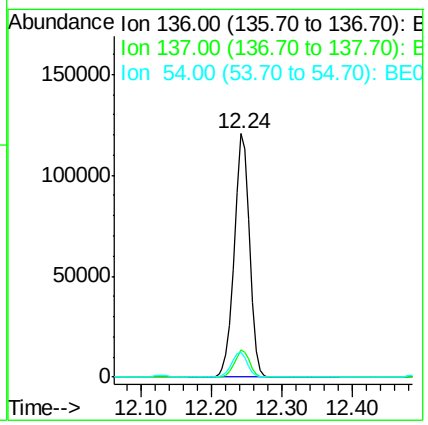


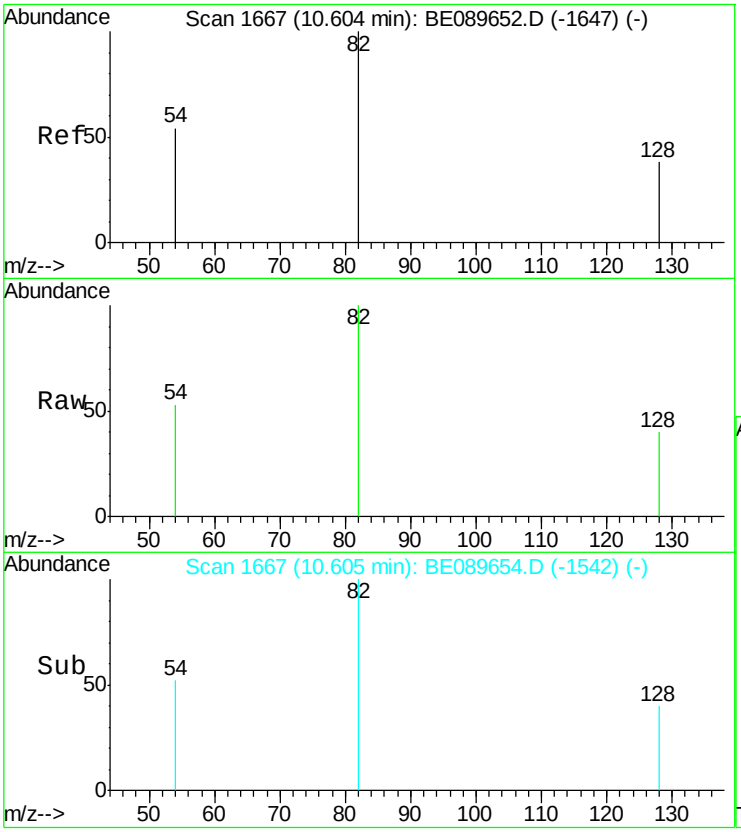




#4
Naphthalene-d8
Concen: 5.00 ng
RT: 12.24 min Scan# 2069
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:136 Resp: 176304

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.7 | 13.1 |
| 54 | 10.3 | 7.5 | 11.3 |

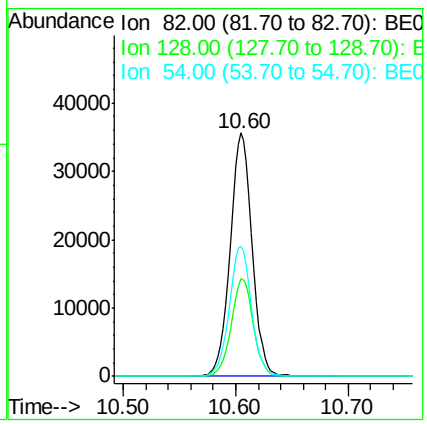


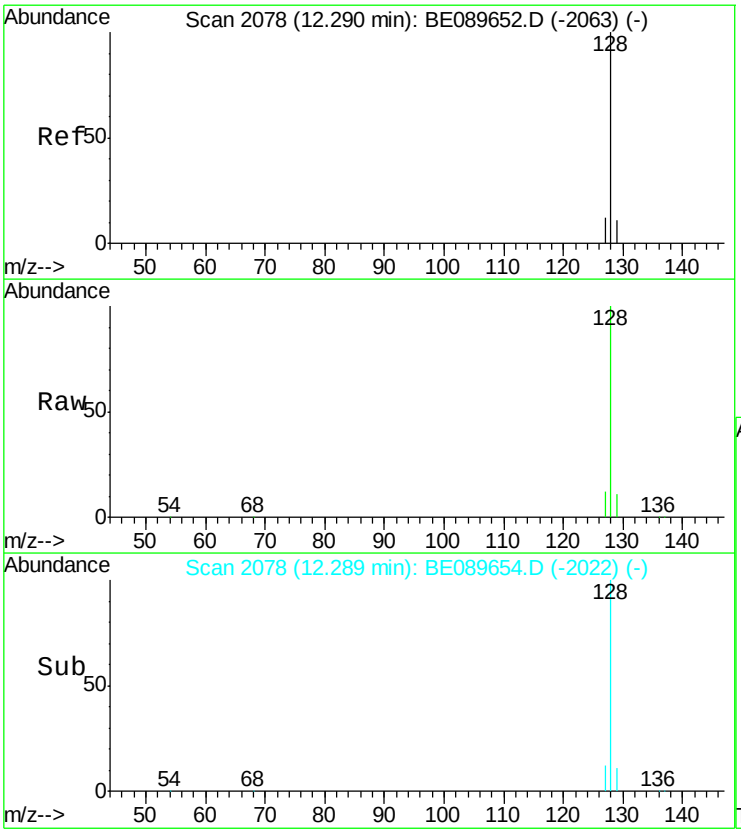



#5
Nitrobenzene-d5
Concen: 6.04 ng
RT: 10.60 min Scan# 1667
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion: 82 Resp: 48432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.0 | 31.0 | 46.4 |
| 54 | 53.4 | 43.8 | 65.8 |

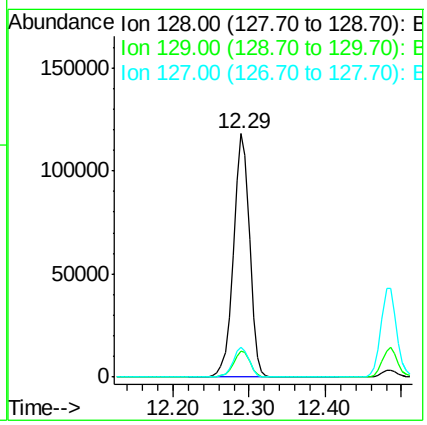


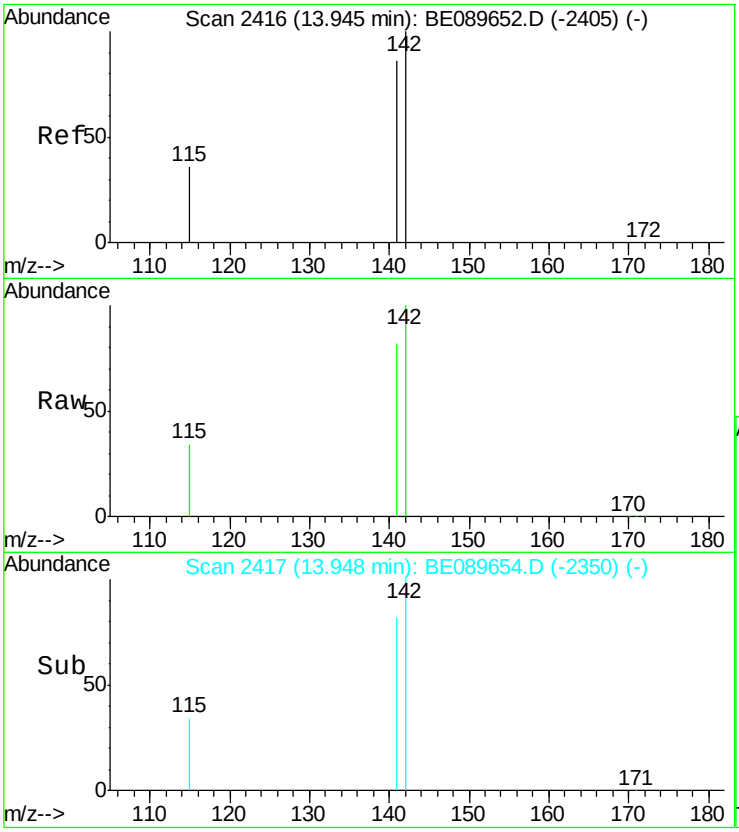




#6
Naphthalene
Concen: 4.26 ng
RT: 12.29 min Scan# 2078
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:128 Resp: 170722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 12.4 | 9.8 | 14.6 |

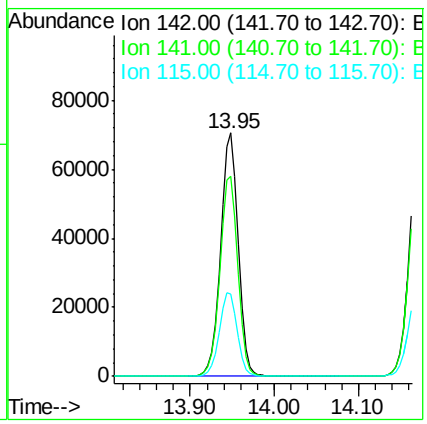


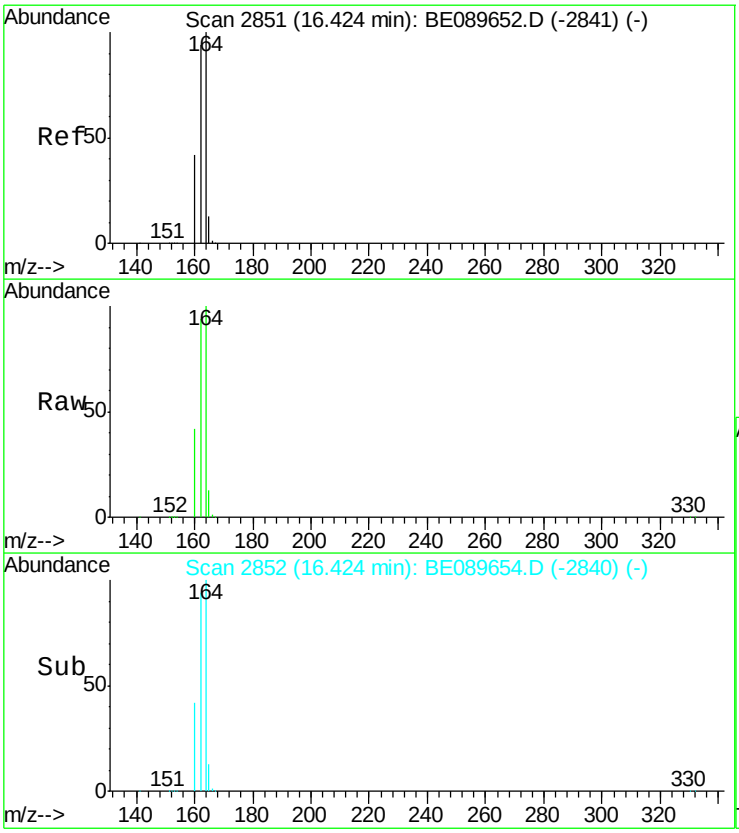



#7
2-Methylnaphthalene
Concen: 4.50 ng
RT: 13.95 min Scan# 2417
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:142 Resp: 101467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 82.4 | 68.6 | 103.0 |
| 115 | 33.9 | 29.0 | 43.6 |

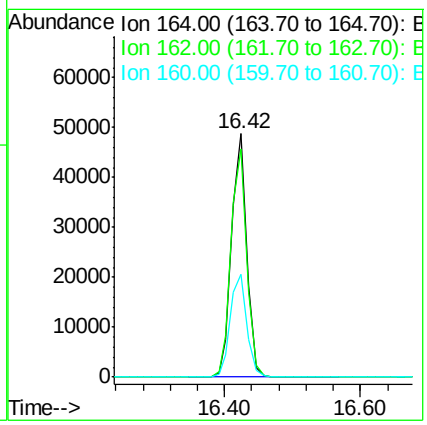


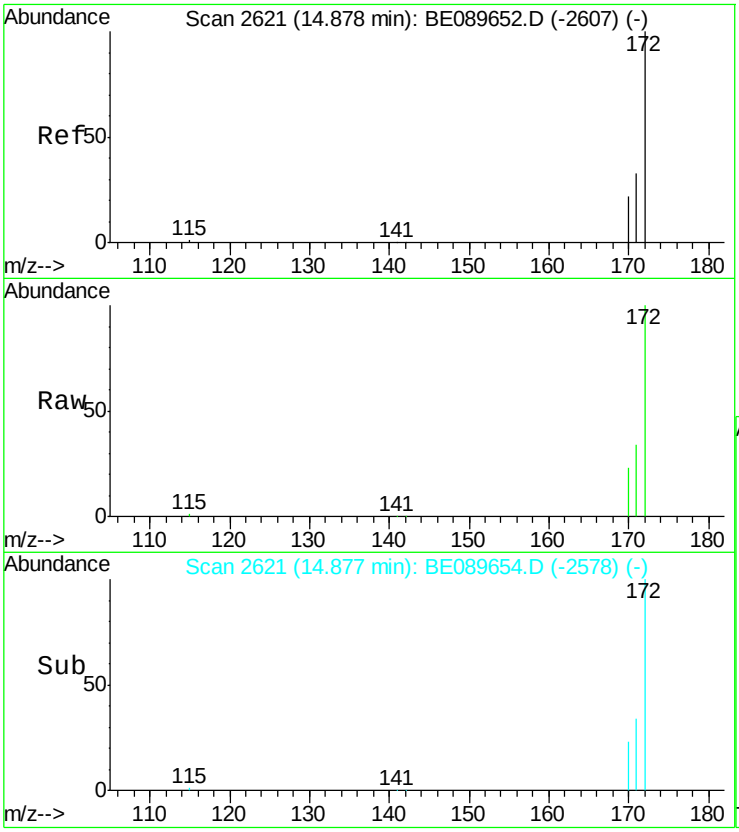




#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.42 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:164 Resp: 74055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 94.0 | 75.4 | 113.2 |
| 160 | 42.2 | 33.7 | 50.5 |

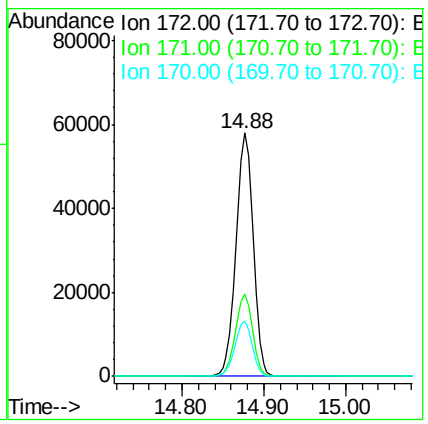


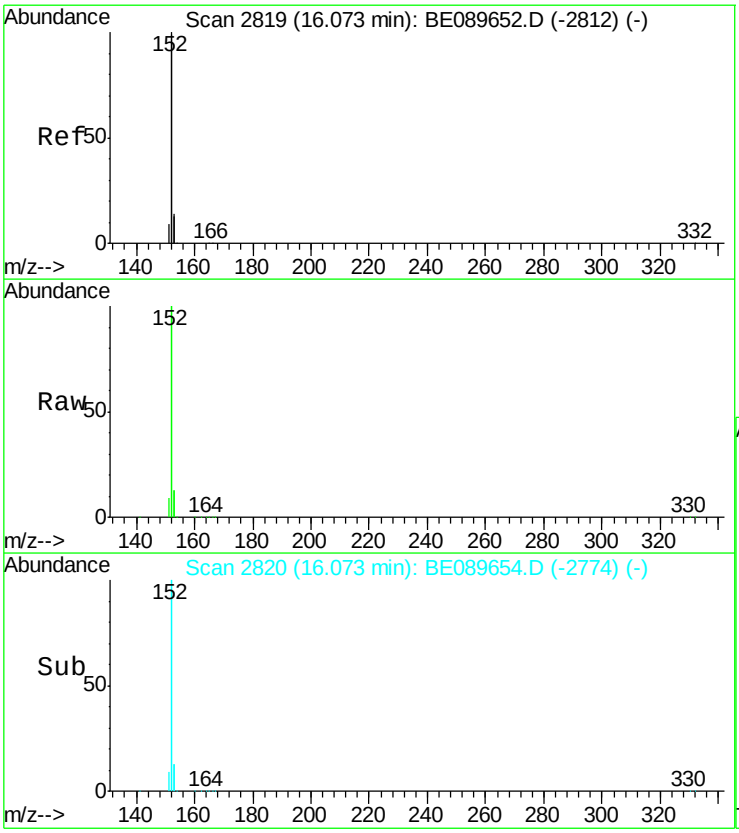



#9
2-Fluorobiphenyl
Concen: 4.29 ng
RT: 14.88 min Scan# 2621
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:172 Resp: 82923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.7 | 26.2 | 39.4 |
| 170 | 22.8 | 17.7 | 26.5 |

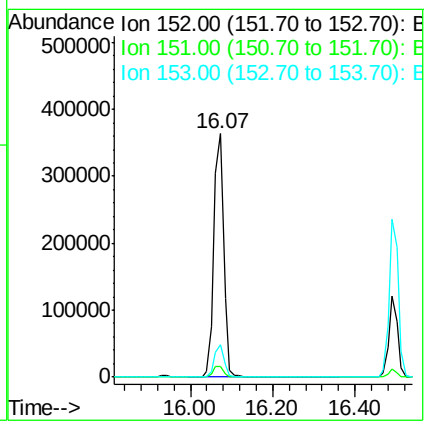


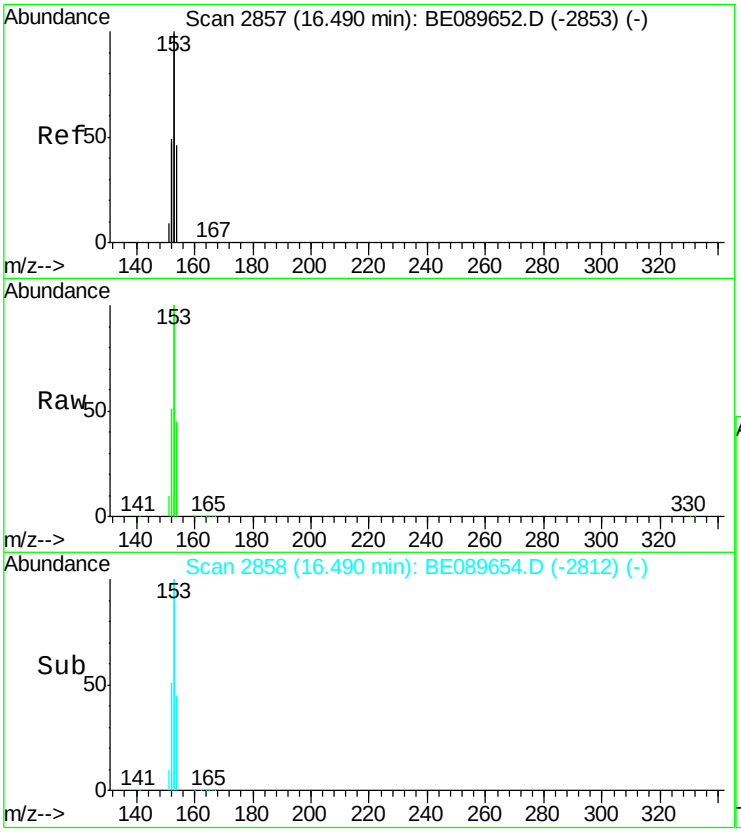




#10
Acenaphthylene
Concen: 4.76 ng
RT: 16.07 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:152 Resp: 584222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 4.8 | 3.8 | 5.6 |
| 153 | 13.0 | 10.4 | 15.6 |

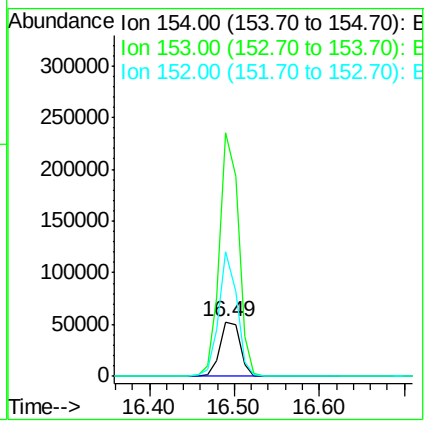


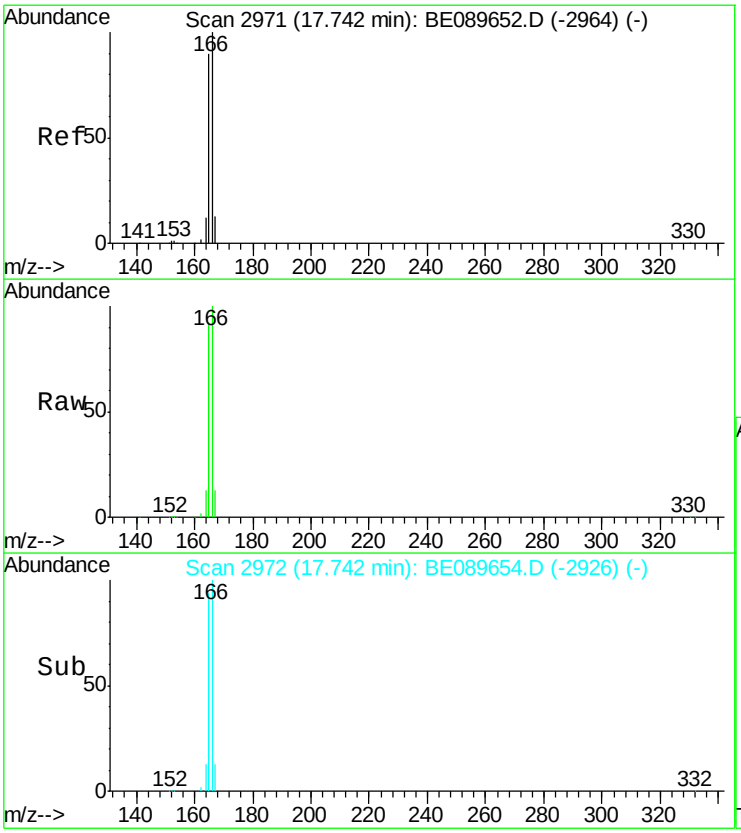



#11
Acenaphthene
Concen: 4.40 ng
RT: 16.49 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:154 Resp: 86353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 426.1 | 343.0 | 514.4 |
| 152 | 207.3 | 165.8 | 248.8 |

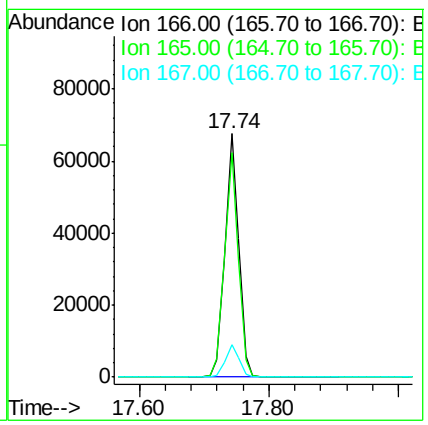


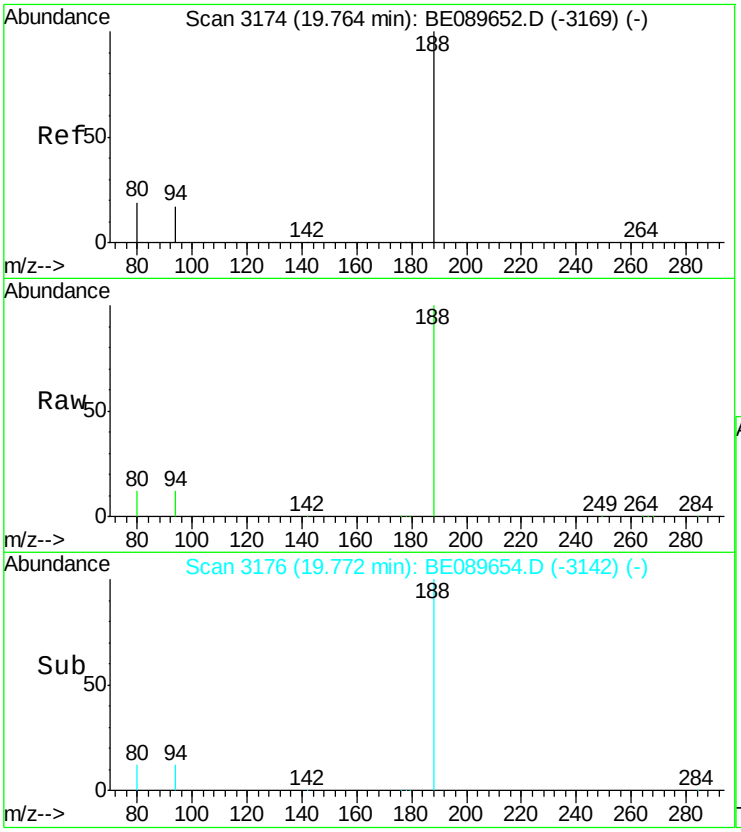




#12
Fluorene
Concen: 4.83 ng
RT: 17.74 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:166 Resp: 99131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 92.5 | 73.6 | 110.4 |
| 167 | 13.2 | 10.5 | 15.7 |

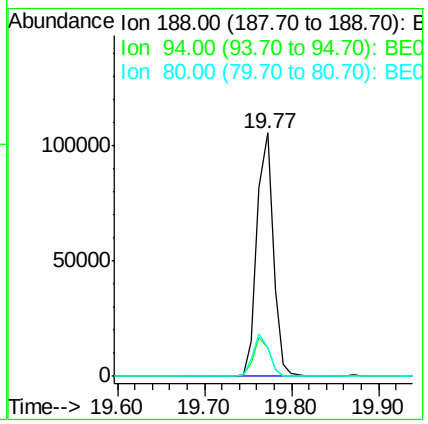


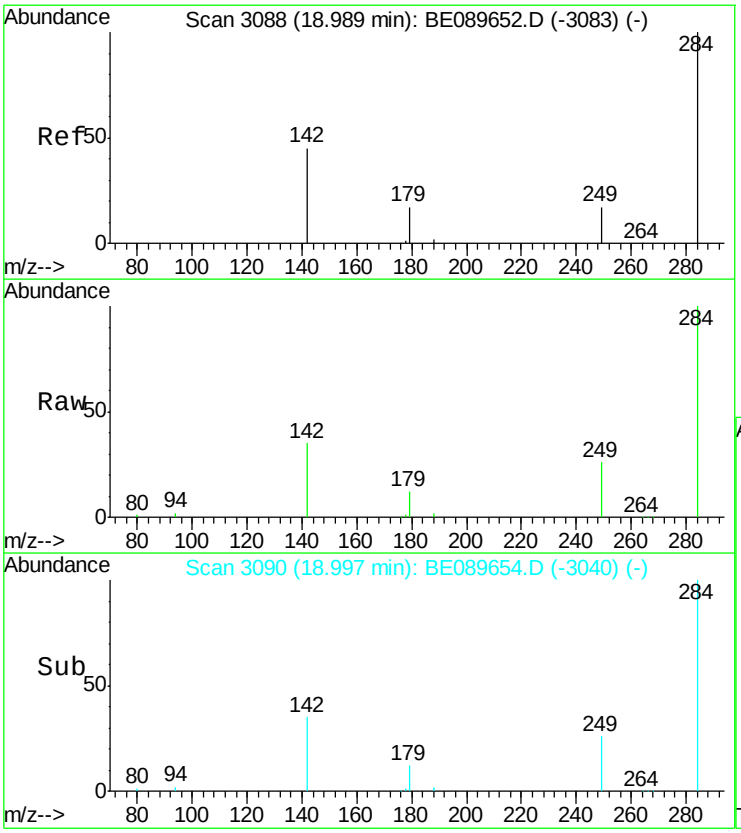



#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:188 Resp: 134055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.0 | 13.8 | 20.8# |
| 80 | 11.9 | 15.0 | 22.6# |

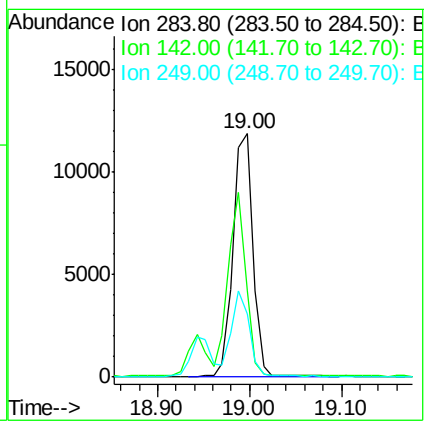


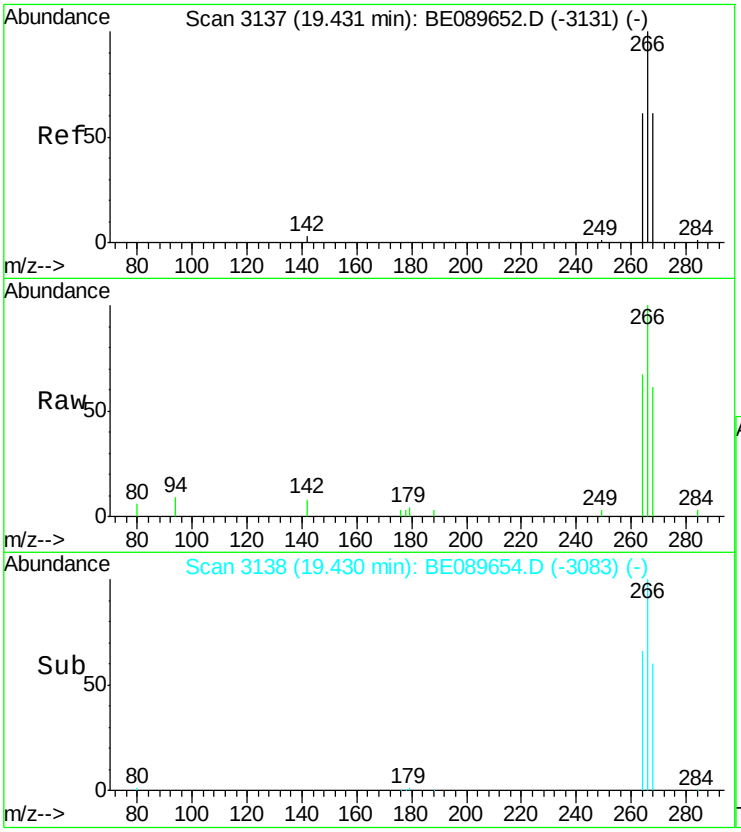




#14
Hexachlorobenzene
Concen: 4.27 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:284 Resp: 17676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 68.1 | 55.0 | 82.6 |
| 249 | 31.1 | 26.1 | 39.1 |

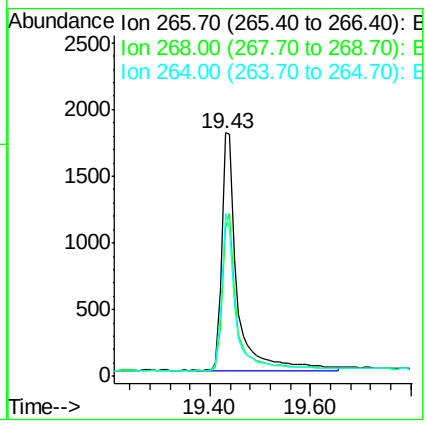


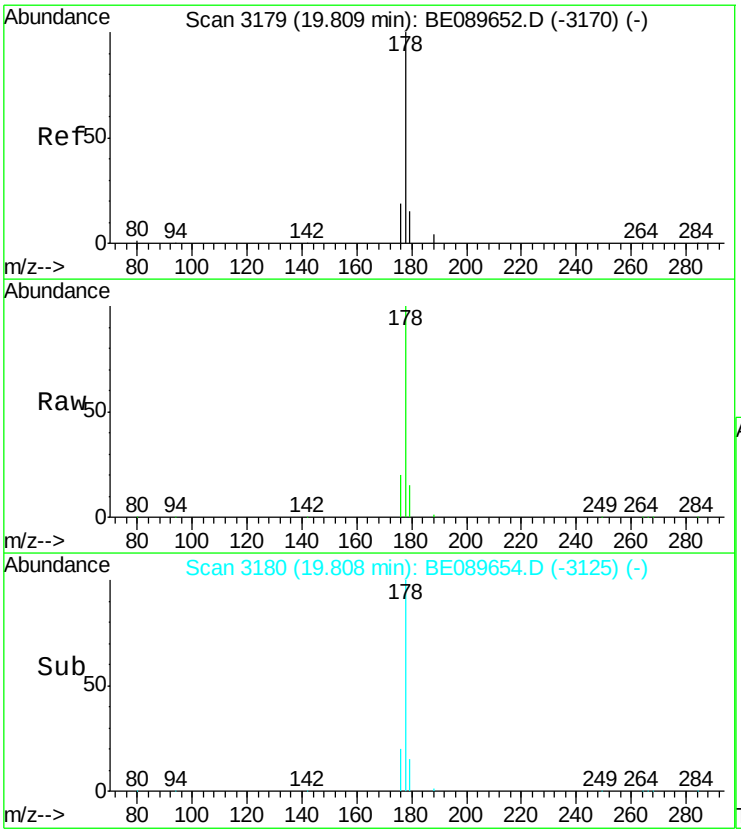



#15
Pentachlorophenol
Concen: 3.69 ng
RT: 19.43 min Scan# 3138
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:266 Resp: 3799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.3 | 54.7 | 82.1 |
| 264 | 66.8 | 55.4 | 83.0 |

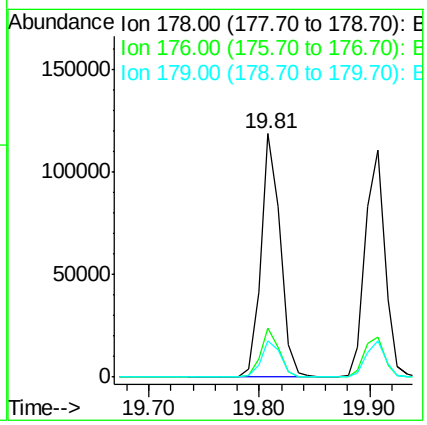


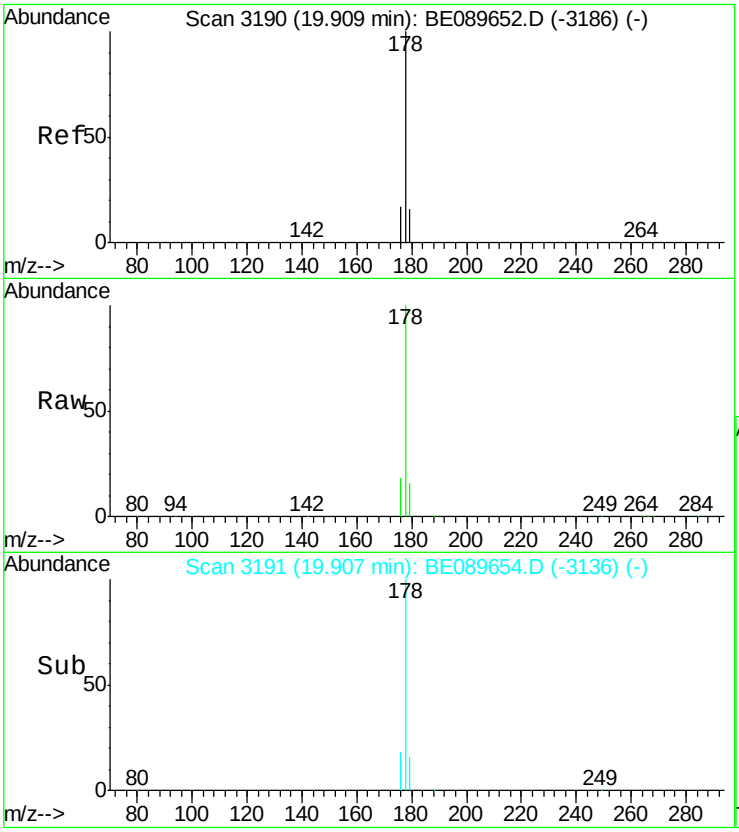




#16
Phenanthrene
Concen: 4.30 ng
RT: 19.81 min Scan# 3180
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:178 Resp: 144431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.3 | 22.9 |
| 179 | 15.4 | 12.3 | 18.5 |

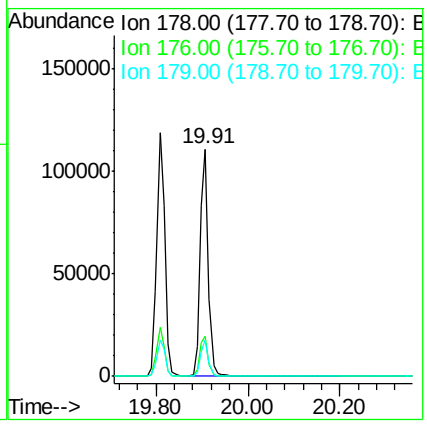


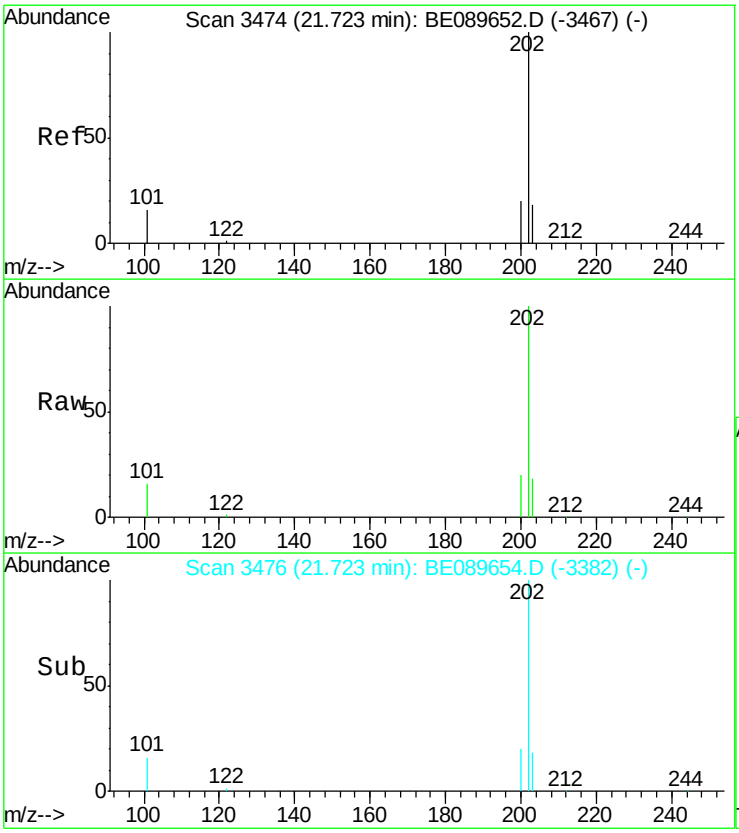



#17
Anthracene
Concen: 5.10 ng
RT: 19.91 min Scan# 3191
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:178 Resp: 138464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.3 | 21.5 |
| 179 | 15.4 | 12.1 | 18.1 |

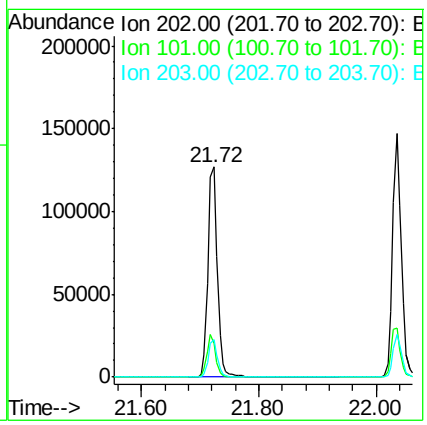


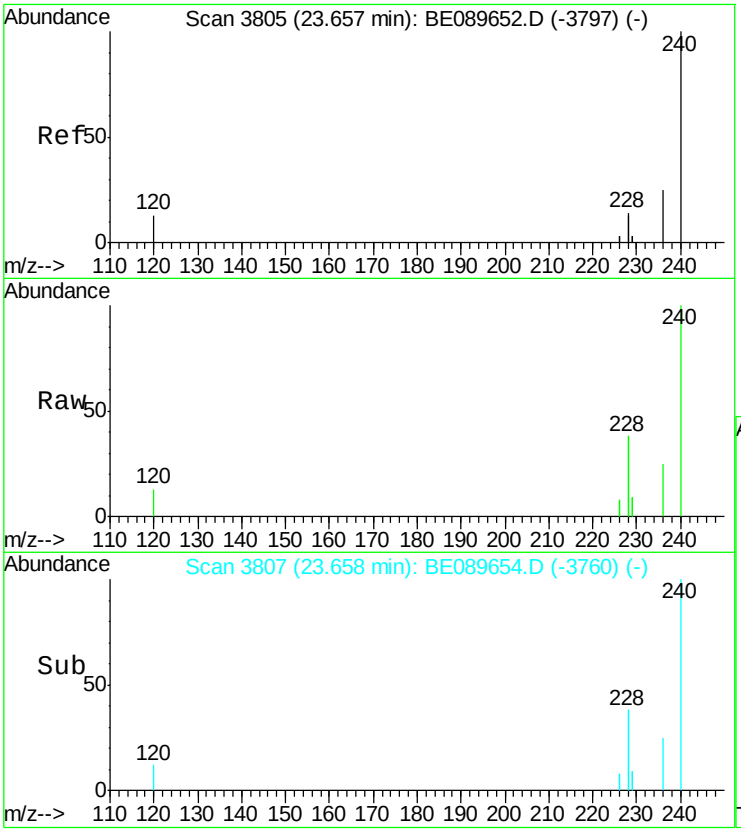




#18
Fluoranthene
Concen: 5.72 ng
RT: 21.72 min Scan# 3476
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:202 Resp: 139425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.7 | 14.9 | 22.3 |
| 203 | 17.3 | 13.7 | 20.5 |

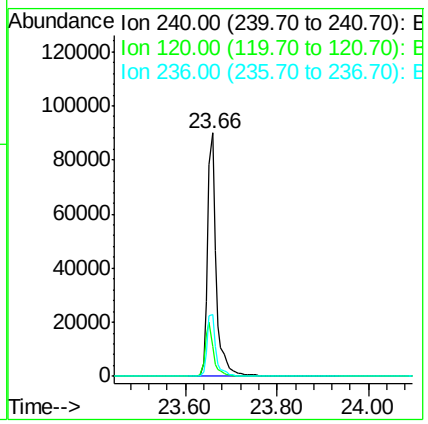


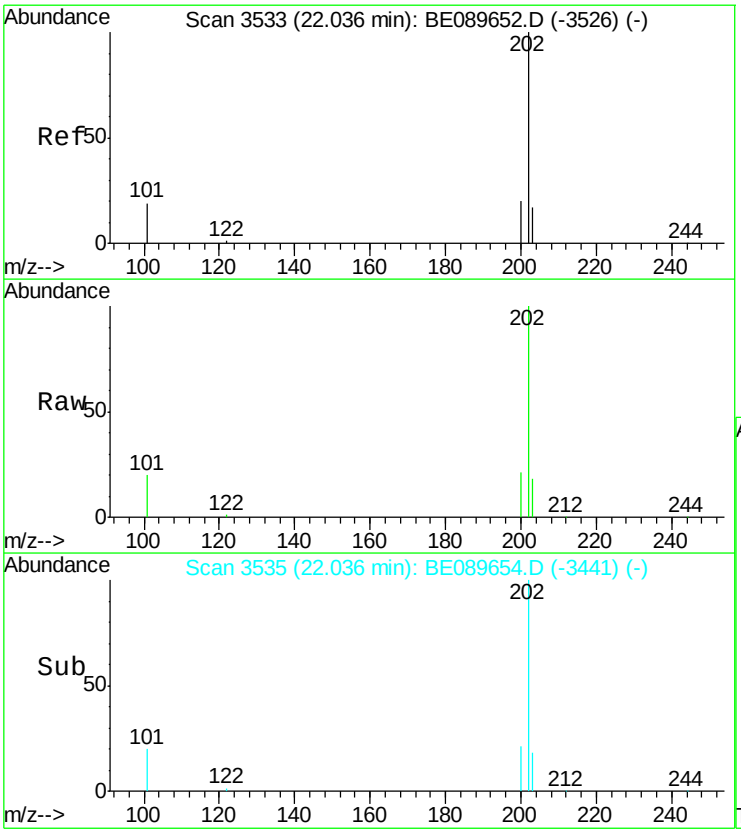



#19
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3807
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:240 Resp: 116610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.5 | 10.6 | 15.8 |
| 236 | 25.3 | 20.3 | 30.5 |

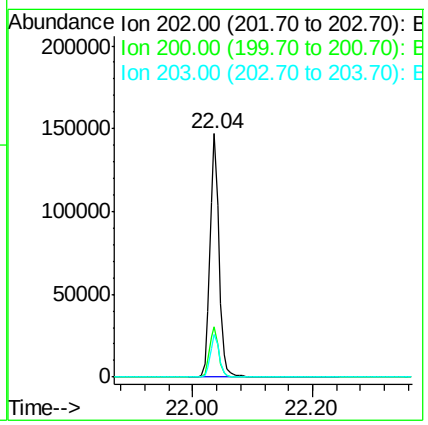


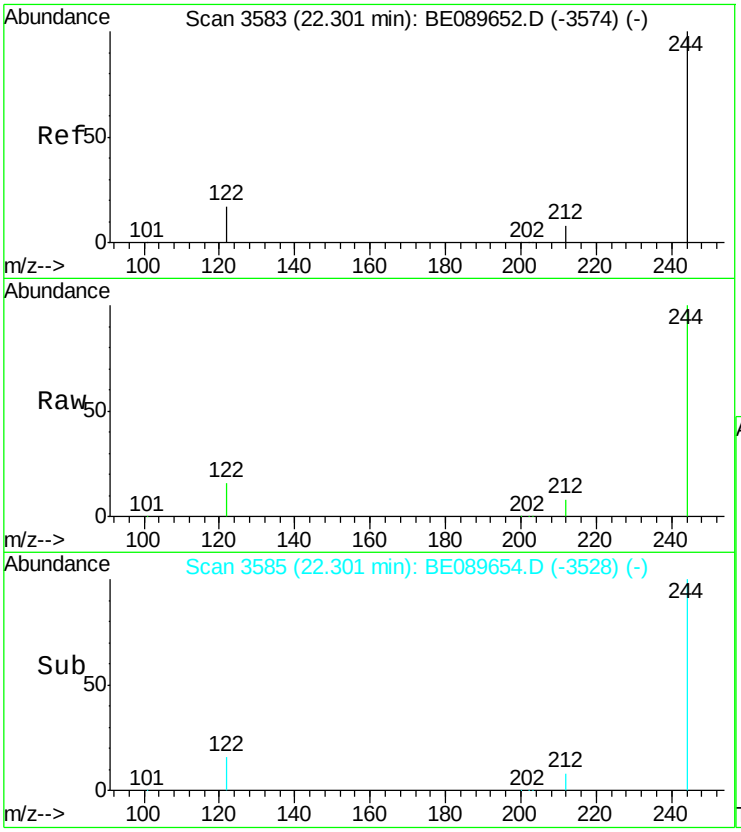




#20
Pyrene
Concen: 4.14 ng
RT: 22.04 min Scan# 3535
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:202 Resp: 151603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.5 | 24.7 |
| 203 | 17.5 | 13.8 | 20.6 |

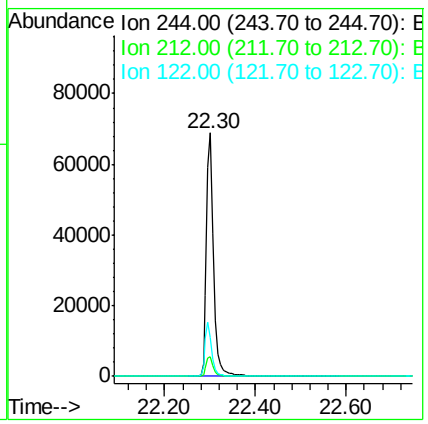


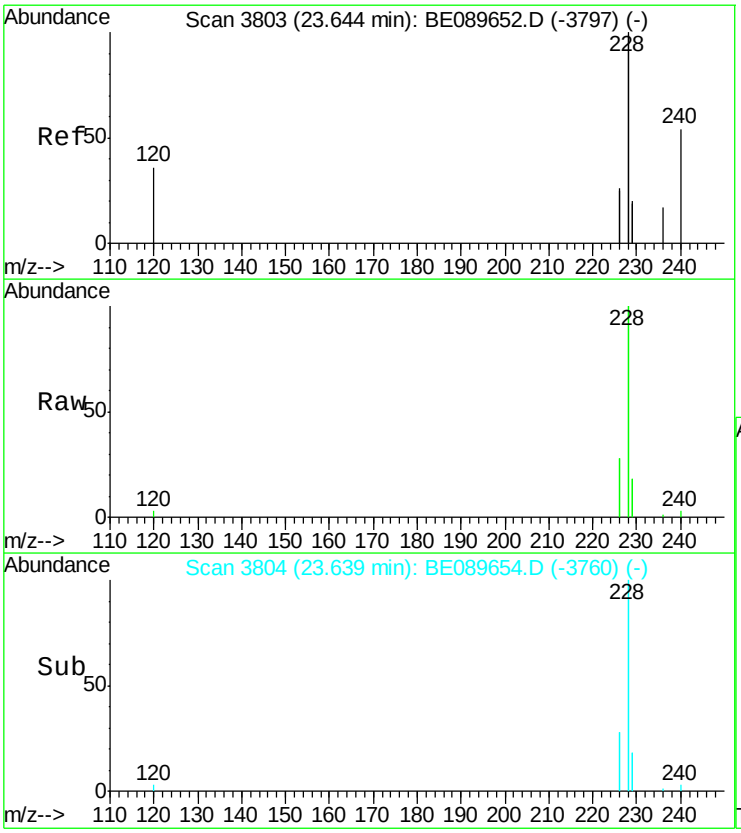



#21
Terphenyl-d14
Concen: 3.92 ng
RT: 22.30 min Scan# 3585
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:244 Resp: 73511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.6 | 10.0 |
| 122 | 15.9 | 13.7 | 20.5 |

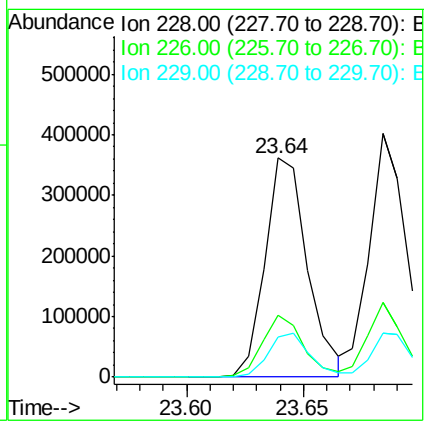


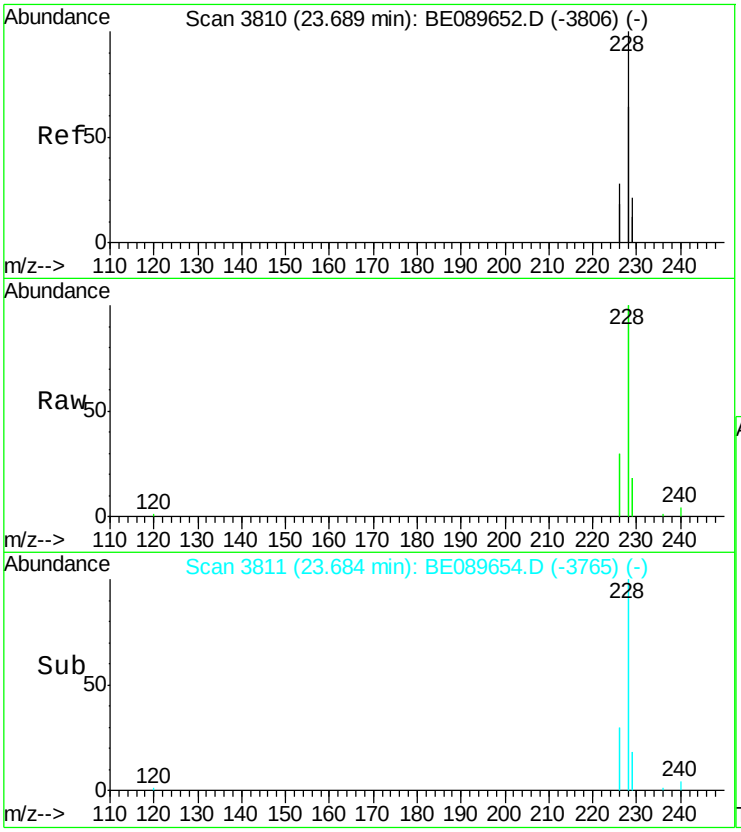




#22
Benzo(a)anthracene
Concen: 5.37 ng
RT: 23.64 min Scan# 3804
Delta R.T. -0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:228 Resp: 459546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.3 | 20.9 | 31.3 |
| 229 | 18.4 | 15.8 | 23.6 |

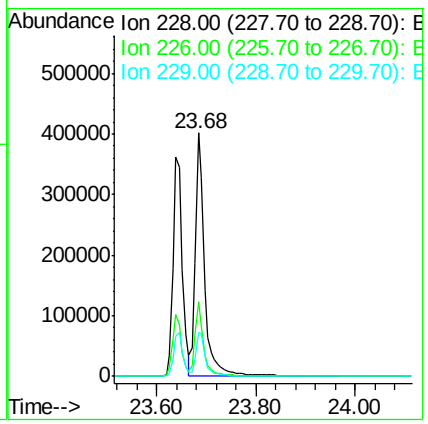


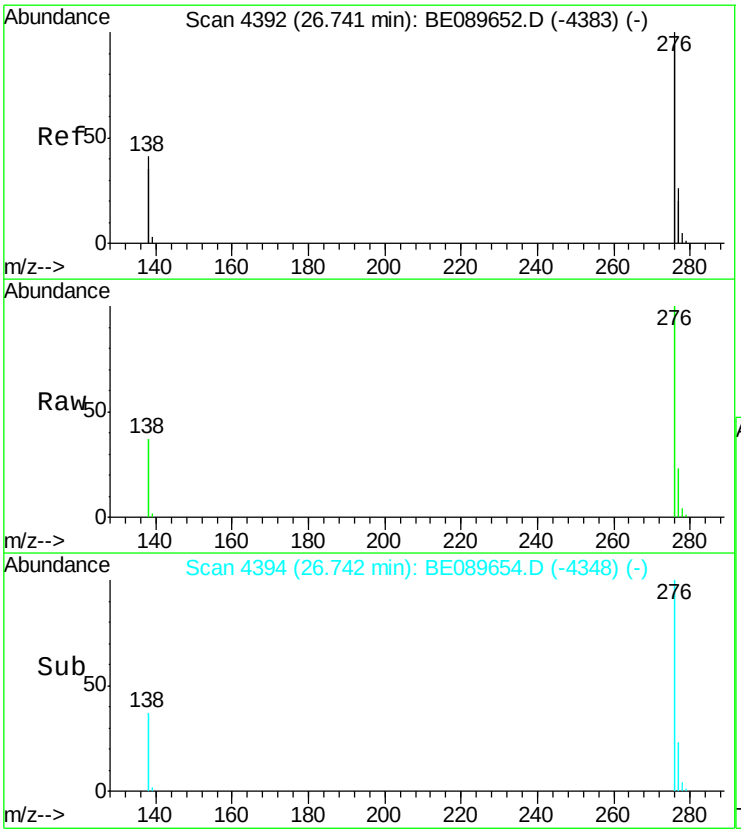



#23
Chrysene
Concen: 4.09 ng
RT: 23.68 min Scan# 3811
Delta R.T. -0.01 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:228 Resp: 516361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 22.0 | 33.0 |
| 229 | 18.3 | 16.6 | 24.8 |

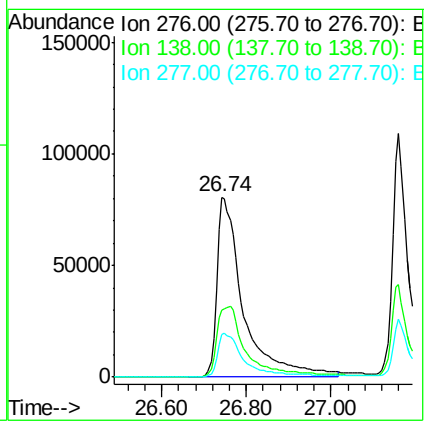


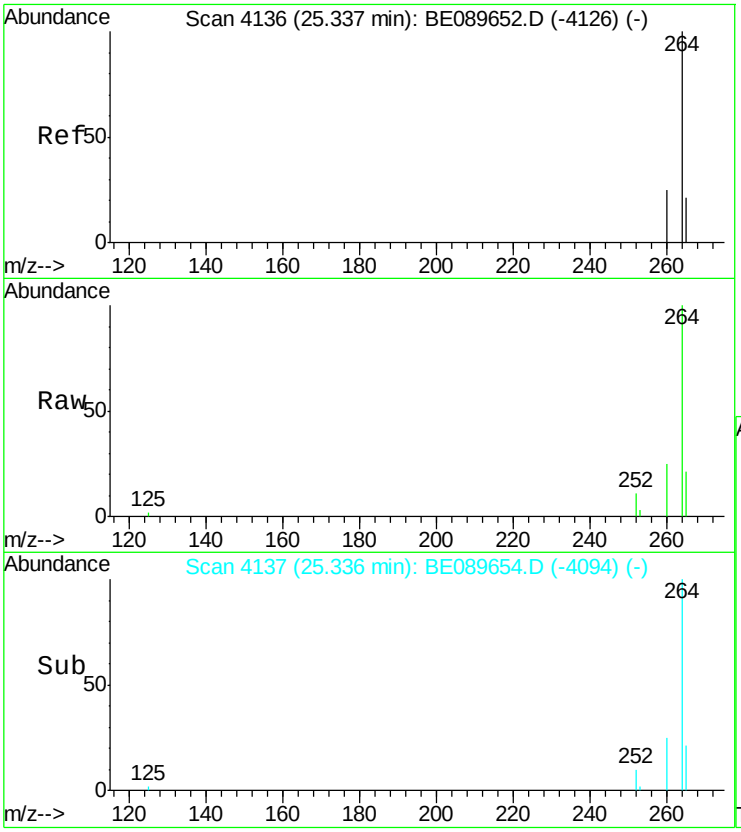




#24
Indeno(1,2,3-cd)pyrene
Concen: 7.30 ng
RT: 26.74 min Scan# 4394
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:276 Resp: 347354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 43.6 | 36.2 | 54.4 |
| 277 | 25.0 | 5.4 | 8.2# |

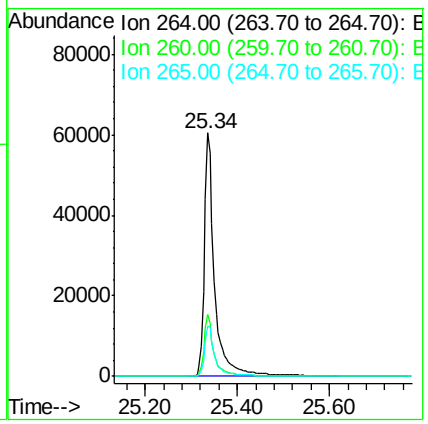


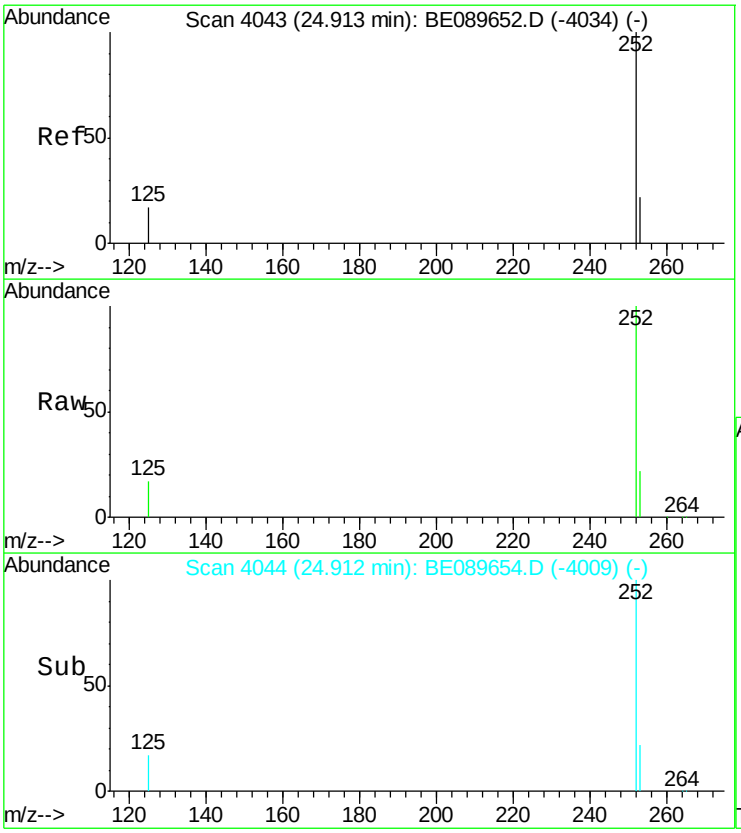



#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4137
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:264 Resp: 92624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 20.0 | 30.0 |
| 265 | 20.9 | 16.8 | 25.2 |

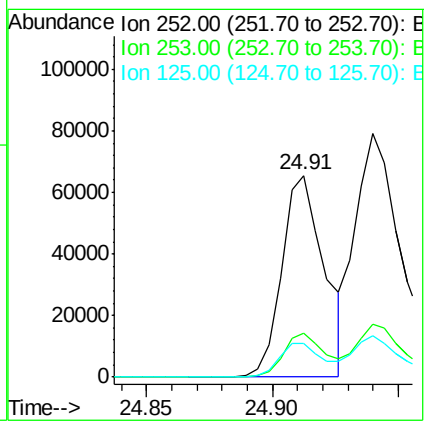


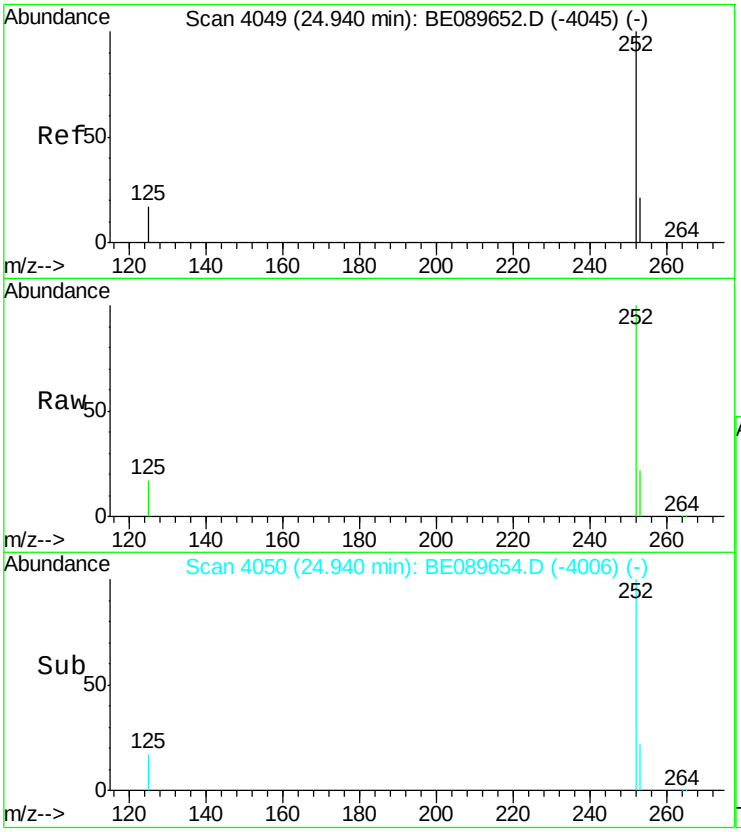




#26
Benzo(b)fluoranthene
Concen: 8.59 ng
RT: 24.91 min Scan# 4044
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:252 Resp: 76153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.3 | 27.5 |
| 125 | 16.6 | 14.6 | 22.0 |

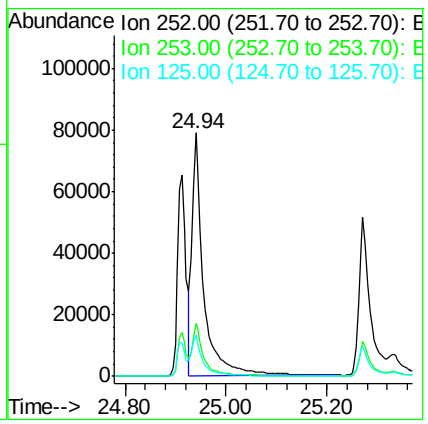


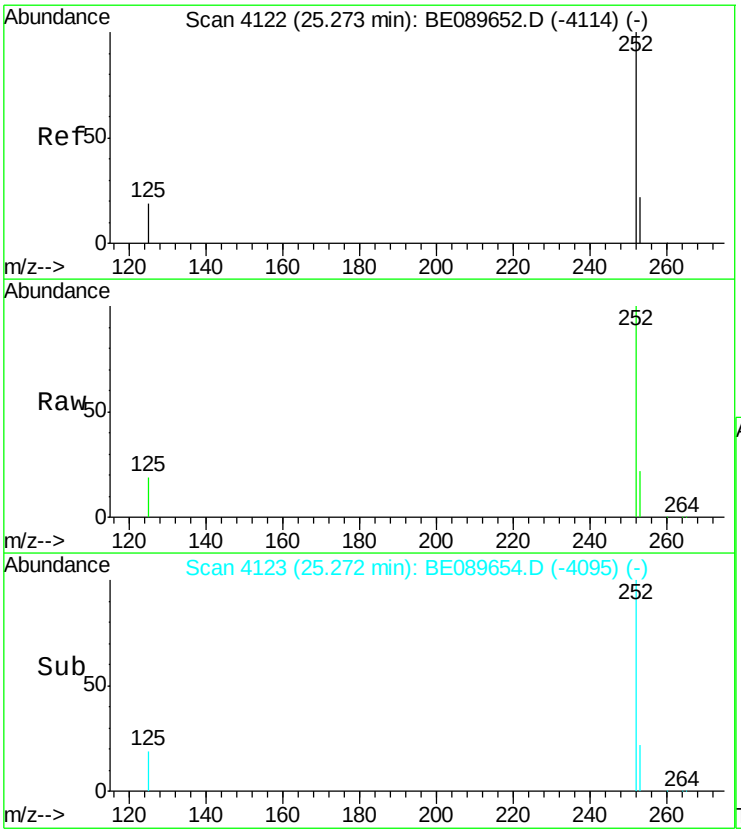



#27
Benzo(k)fluoranthene
Concen: 5.53 ng
RT: 24.94 min Scan# 4050
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:252 Resp: 128536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.8 | 26.8 |
| 125 | 17.1 | 14.3 | 21.5 |

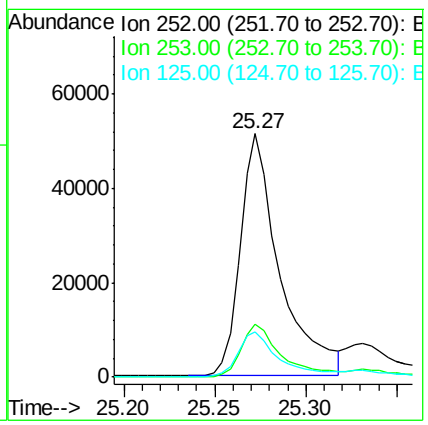


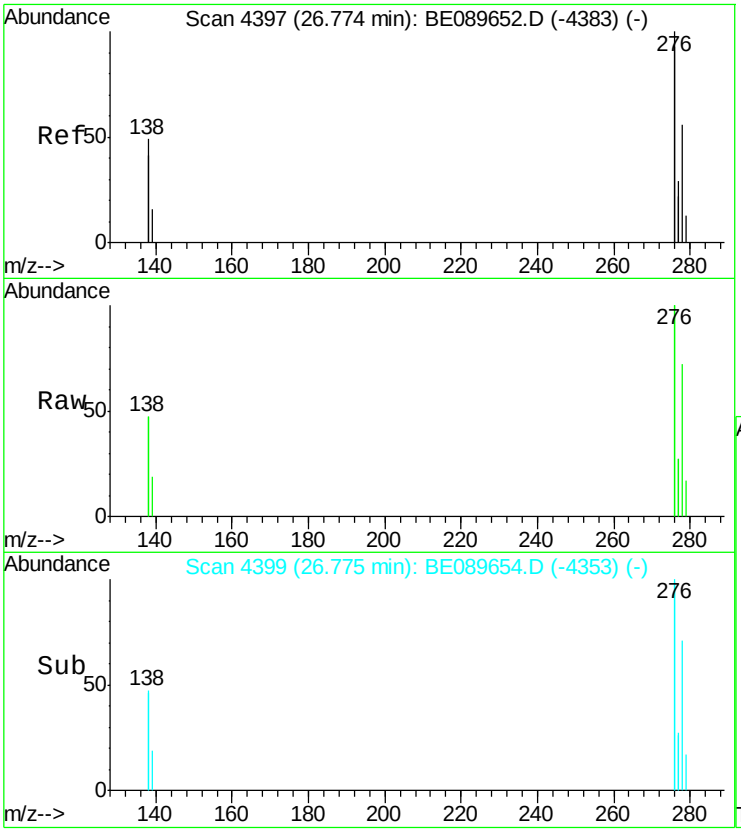




#28
Benzo(a)pyrene
Concen: 7.55 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:252 Resp: 77200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 18.4 | 27.6 |
| 125 | 18.6 | 15.9 | 23.9 |

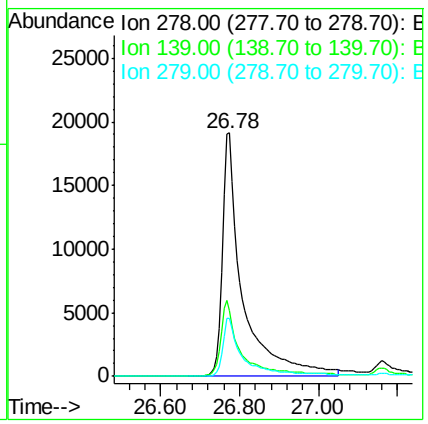


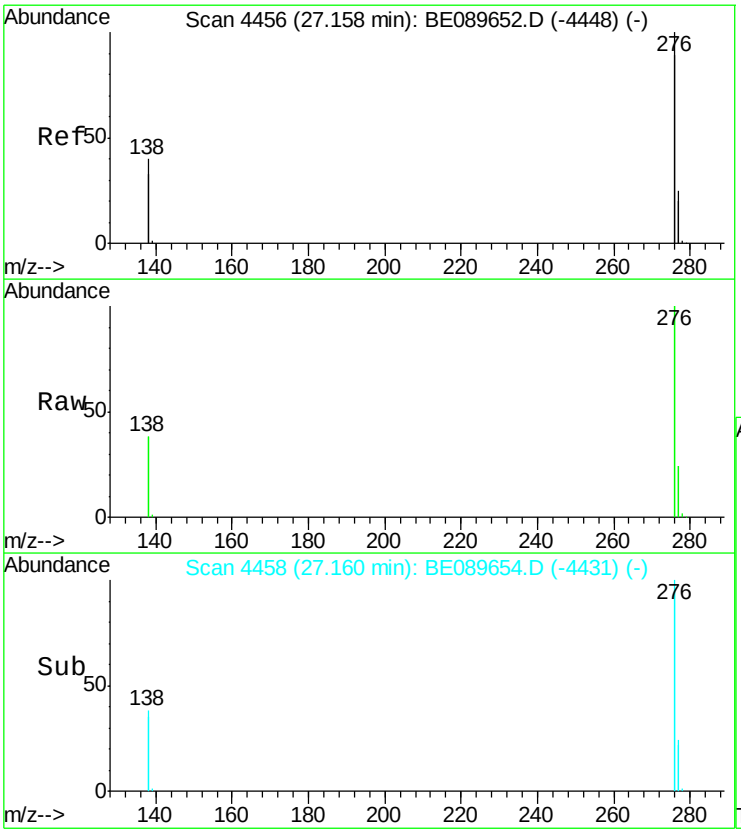



#29
Dibenzo(a,h)anthracene
Concen: 7.83 ng
RT: 26.78 min Scan# 4399
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:278 Resp: 67169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 27.1 | 25.4 | 38.2 |
| 279 | 23.9 | 20.0 | 30.0 |




#30
Benzo(g,h,i)perylene
Concen: 5.85 ng
RT: 27.16 min Scan# 4458
Delta R.T. 0.00 min
Lab File: BE089654.D
Acq: 23 Feb 2015 23:29

Tgt Ion:276 Resp: 311226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.7 | 20.2 | 30.2 |
| 138 | 37.9 | 32.4 | 48.6 |