Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
Data File : BE089603.D
Acq On : 17 Feb 2015 21:02
Operator : TP/IZ
Sample : G1258-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** MW-1RE

Quant Time: Feb 18 03:13:05 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 18 01:49:09 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.35 | 152 | 75655 | 5.00 | ng | 0.02 |
| 7) Naphthalene-d8 | 12.25 | 136 | 375479 | 5.00 | ng | 0.01 |
| 13) Acenaphthene-d10 | 16.44 | 164 | 191696 | 5.00 | ng | 0.02 |
| 17) Phenanthrene-d10 | 19.80 | 188 | 457217 | 5.00 | ng | 0.03 |
| 20) Chrysene-d12 | 23.66 | 240 | 324608 | 5.00 | ng | 0.00 |
| 27) Perylene-d12 | 25.34 | 264 | 292299 | 5.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Fluorophenol | 6.50 | 112 | 114336 | 5.81 | ng | 0.00 |
| 4) Phenol-d6 | 8.63 | 99 | 108351 | 4.18 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 10.62 | 82 | 195783 | 9.42 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol | 18.35 | 330 | 95541 | 16.90 | ng | 0.03 |
| 15) 2-Fluorobiphenyl | 14.90 | 172 | 494603 | 9.65 | ng | 0.02 |
| 22) Terphenyl-d14 | 22.31 | 244 | 620353 | 14.16 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) n-Nitrosodimethylamine | 3.32 | 42 | 1990 | 0.24 | ng | # 1 |
| 5) Phenol | 8.66 | 94 | 27948 | 1.00 | ng | # 1 |
| 6) bis(2-Chloroethyl)ether | 8.84 | 93 | 1297 | 0.06 | ng | # 1 |
| 9) Nitrobenzene | 10.67 | 77 | 11475 | 0.62 | ng | # 3 |
| 10) 2,4-Dimethylphenol | 11.55 | 122 | 19535 | 1.01 | ng | # 72 |
| 11) 2,4-Dichlorophenol | 11.98 | 162 | 14611 | 0.94 | ng | # 20 |
| 16) 2,4-Dinitrophenol | 16.69 | 184 | 300 | 0.64 | ng | # 1 |
| 18) Hexachlorobenzene | 19.03 | 284 | 106 | 0.01 | ng | # 1 |
| 19) Pentachlorophenol | 19.47 | 266 | 1488 | 0.59 | ng | # 58 |
| 21) Benzidine | 21.95 | 184 | 744 | Below Cal | | # 1 |
| 23) Benzo(a)anthracene | 23.64 | 228 | 213021 | 0.77 | ng | # 89 |
| 24) 3,3'-Dichlorobenzidine | 23.66 | 252 | 1101 | 0.42 | ng | # 18 |
| 25) Chrysene | 23.69 | 228 | 151732 | 0.48 | ng | # 83 |
| 26) Indeno(1,2,3-cd)pyrene | 26.75 | 276 | 3880 | 0.28 | ng | # 96 |
| 28) Benzo(b)fluoranthene | 24.92 | 252 | 17377 | 0.53 | ng | # 91 |
| 29) Benzo(k)fluoranthene | 24.92 | 252 | 17377 | 0.26 | ng | # 90 |
| 30) Benzo(a)pyrene | 25.27 | 252 | 10649 | 0.44 | ng | # 89 |
| 31) Dibenzo(a,h)anthracene | 26.77 | 278 | 2287 | 0.32 | ng | # 71 |

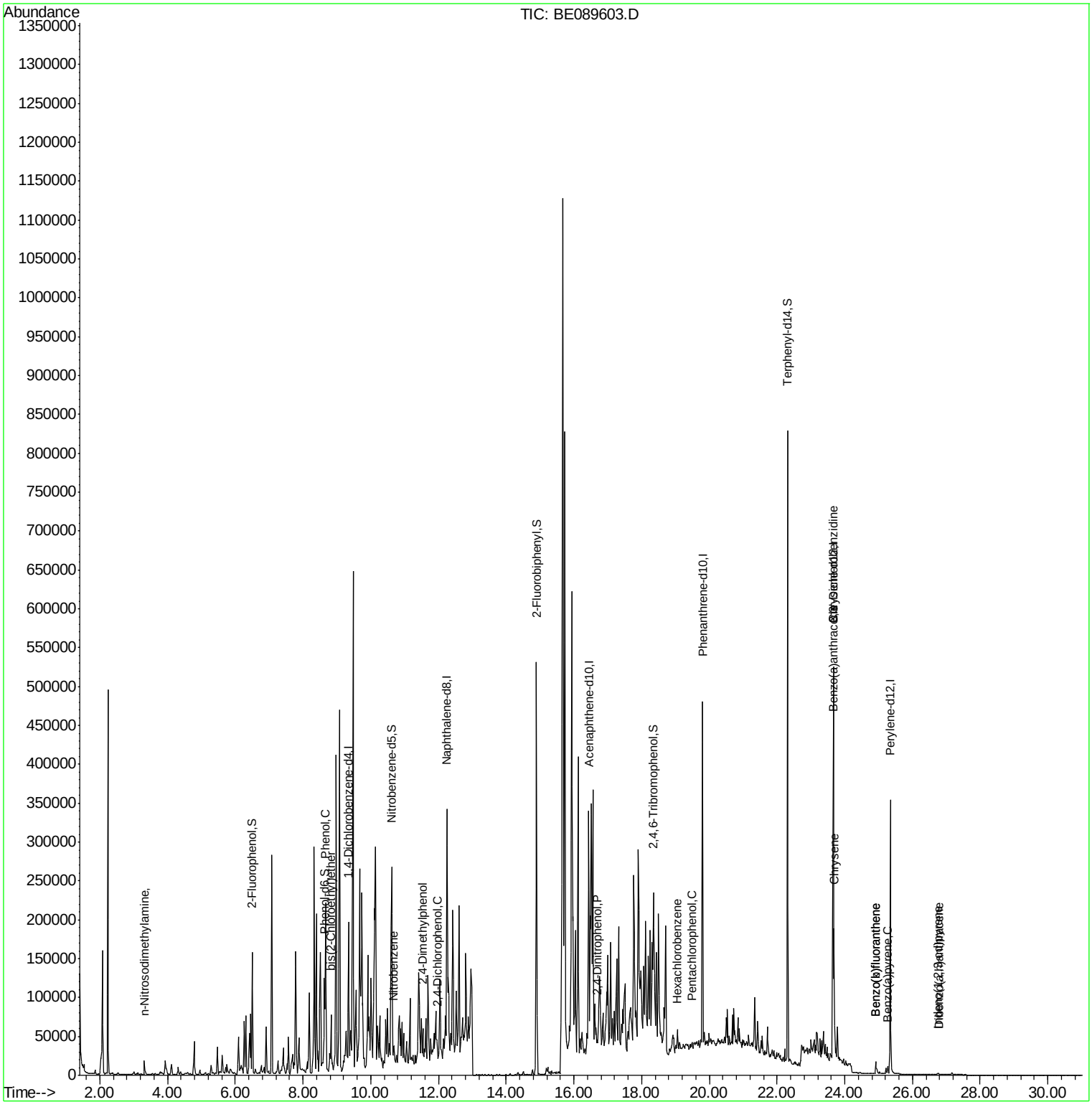
(#) = qualifier out of range (m) = manual integration (+) = signals summed

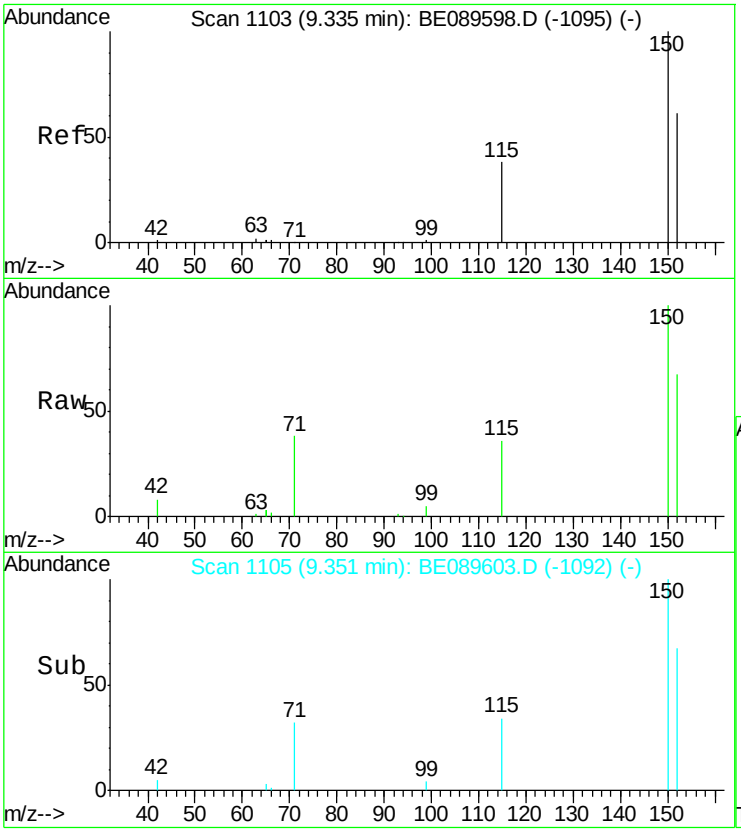
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021715\
Data File : BE089603.D
Acq On : 17 Feb 2015 21:02
Operator : TP/IZ
Sample : G1258-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Quant Time: Feb 18 03:13:05 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE021715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 18 01:49:09 2015
Response via : Initial Calibration



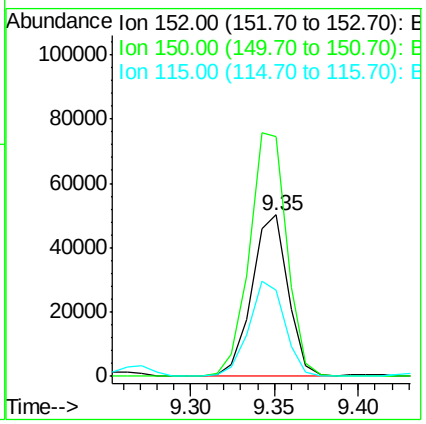


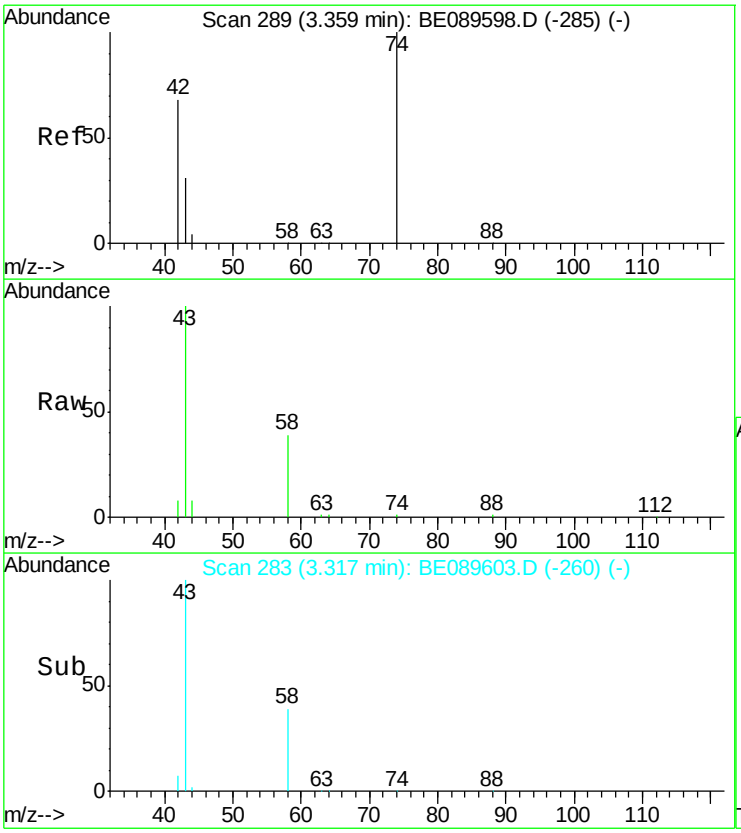

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.35 min Scan# 1105
Delta R.T. 0.02 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:152 Resp: 75655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.3 | 130.7 | 196.1 |
| 115 | 53.1 | 49.6 | 74.4 |

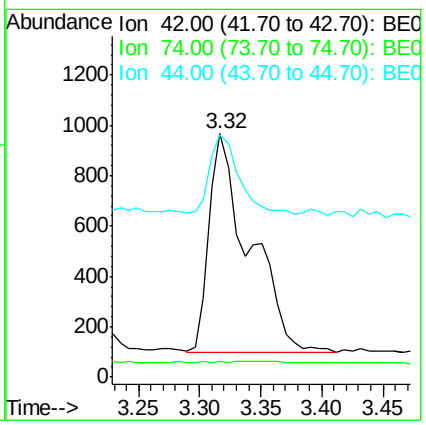


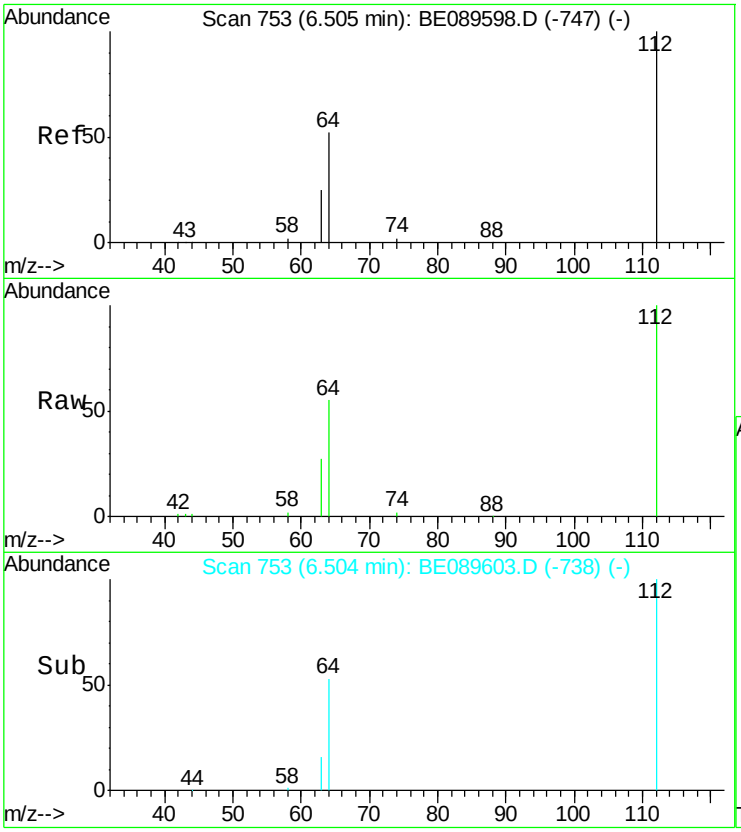




#2
n-Nitrosodimethylamine
Concen: 0.24 ng
RT: 3.32 min Scan# 283
Delta R.T. -0.04 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion: 42 Resp: 1990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 6.5 | 114.6 | 171.8# |
| 44 | 99.4 | 27.5 | 41.3# |



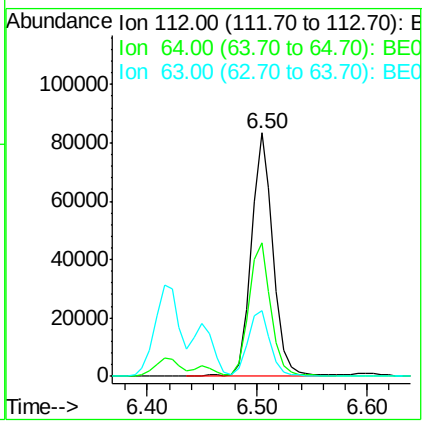


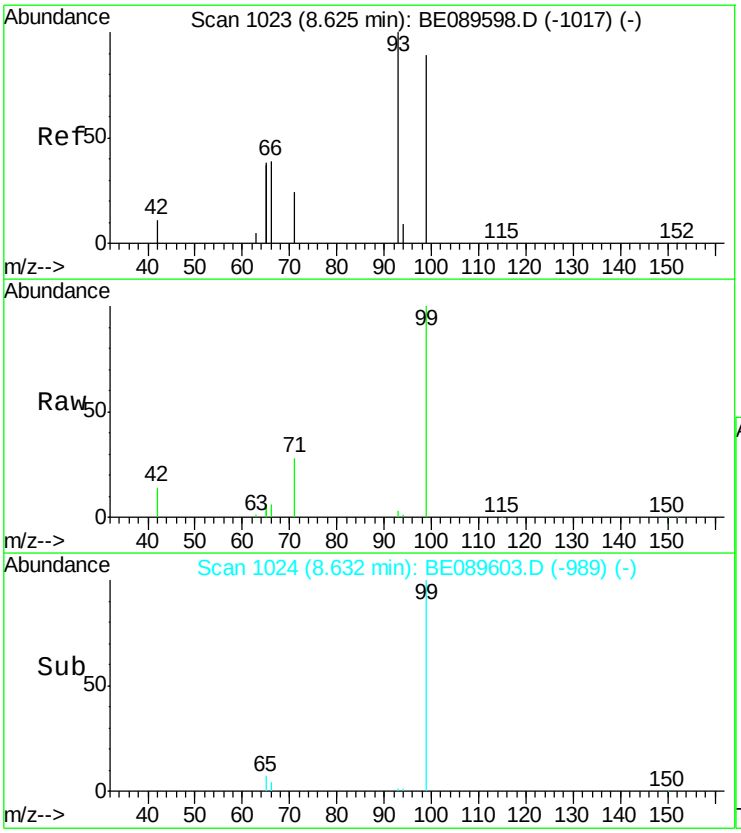

#3
2-Fluorophenol
Concen: 5.81 ng
RT: 6.50 min Scan# 753
Delta R.T. -0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:112 Resp: 114336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.1 | 41.7 | 62.5 |
| 63 | 27.1 | 20.3 | 30.5 |

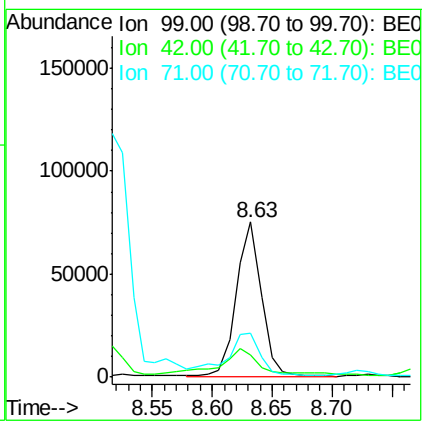


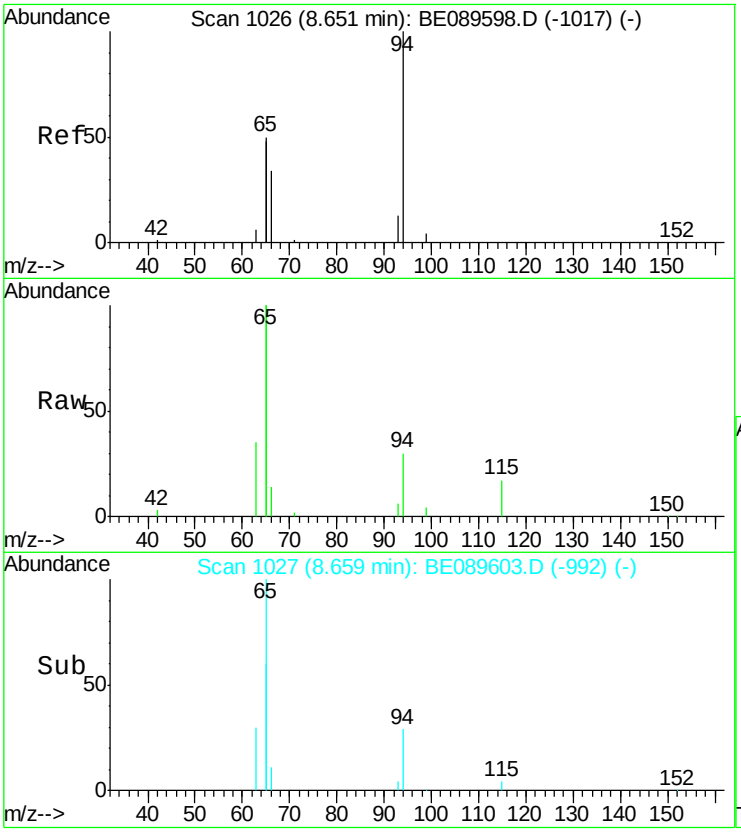




#4
Phenol-d6
Concen: 4.18 ng
RT: 8.63 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion: 99 Resp: 108351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.2 | 10.8 | 16.2 |
| 71 | 28.4 | 21.8 | 32.6 |



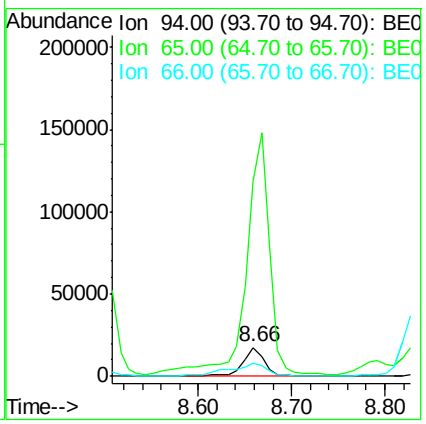


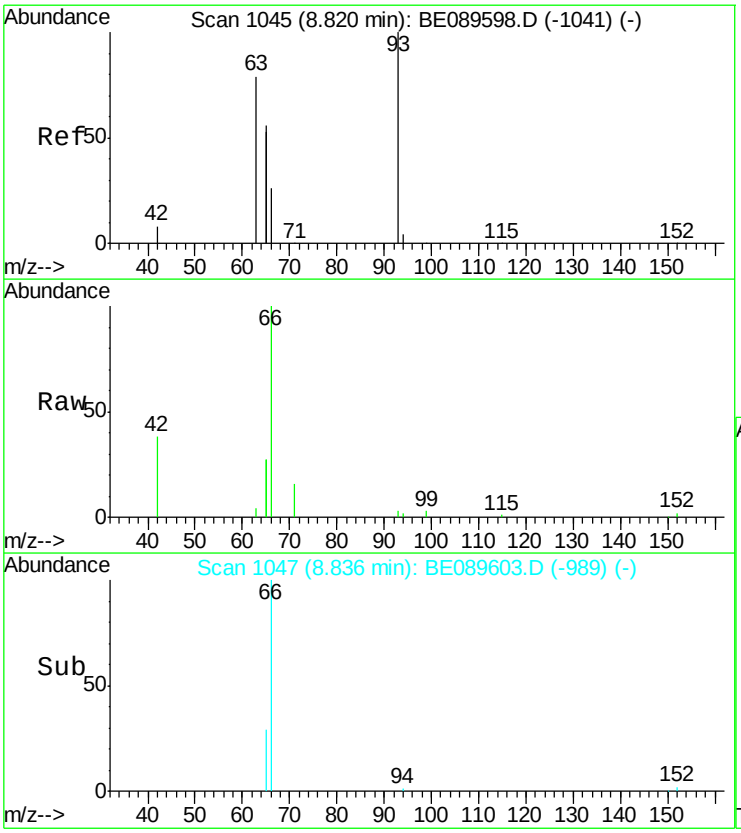

#5
Phenol
Concen: 1.00 ng
RT: 8.66 min Scan# 1027
Delta R.T. 0.01 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion: 94 Resp: 27948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 677.4 | 78.6 | 118.6# |
| 66 | 47.2 | 14.0 | 54.0 |

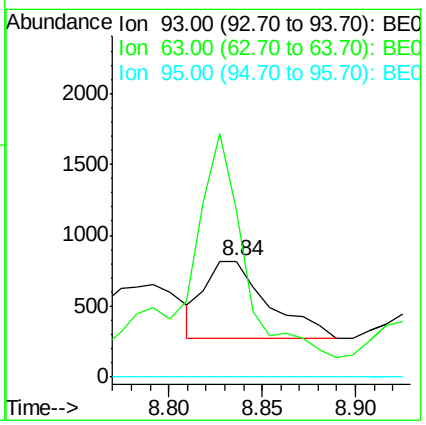


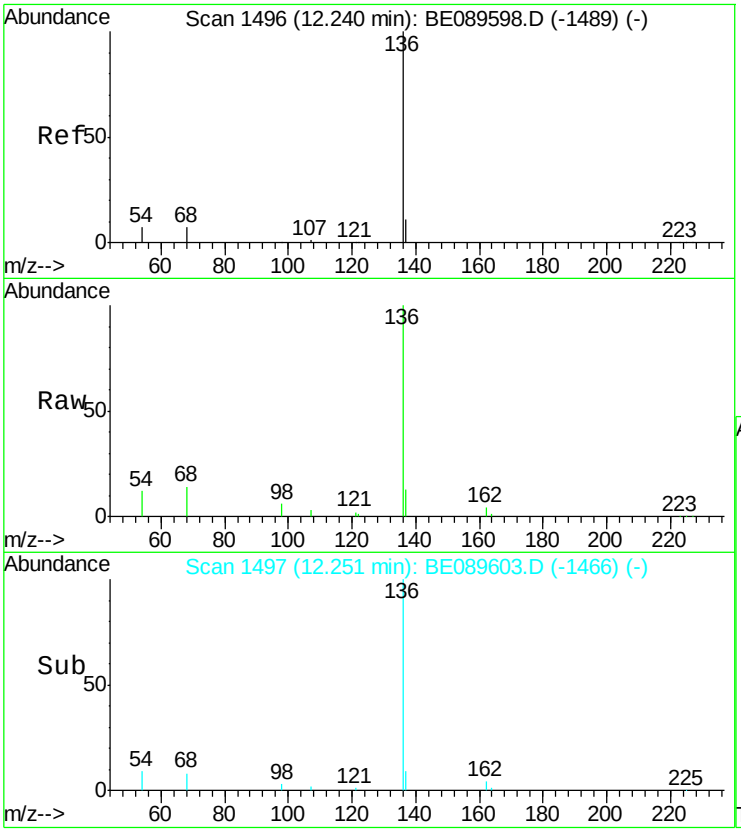




#6
bis(2-Chloroethyl)ether
Concen: 0.06 ng
RT: 8.84 min Scan# 1047
Delta R.T. 0.02 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion: 93 Resp: 1297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 253.4 | 74.6 | 112.0# |
| 95 | 0.0 | 0.0 | 0.0 |



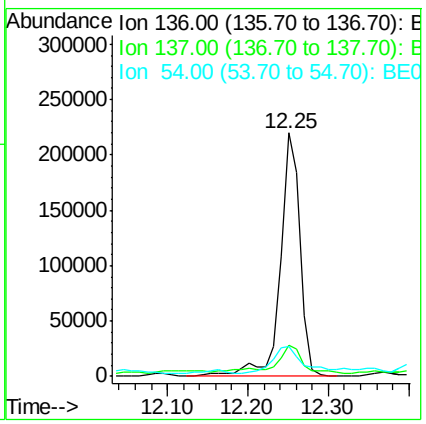


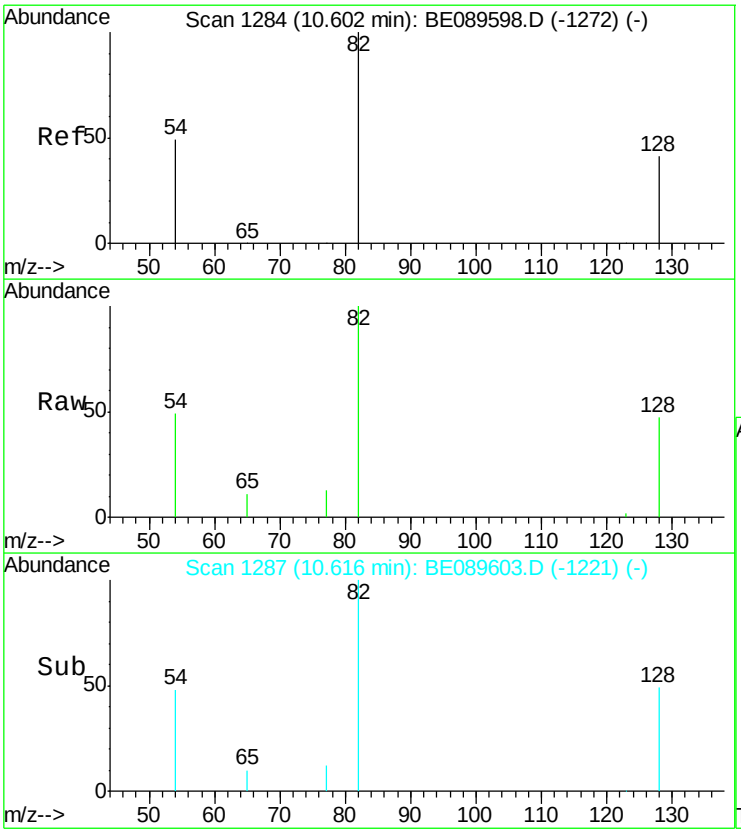

#7
Naphthalene-d8
Concen: 5.00 ng
RT: 12.25 min Scan# 1497
Delta R.T. 0.01 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:136 Resp: 375479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.9 | 8.8 | 13.2 |
| 54 | 12.5 | 5.7 | 8.5# |

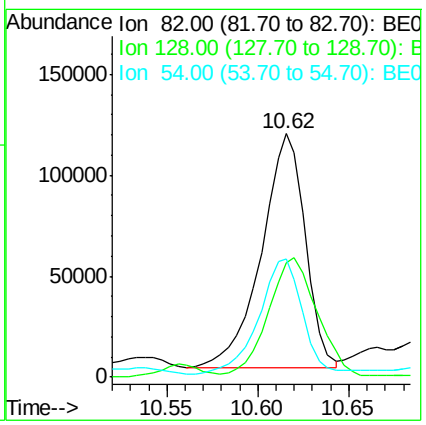


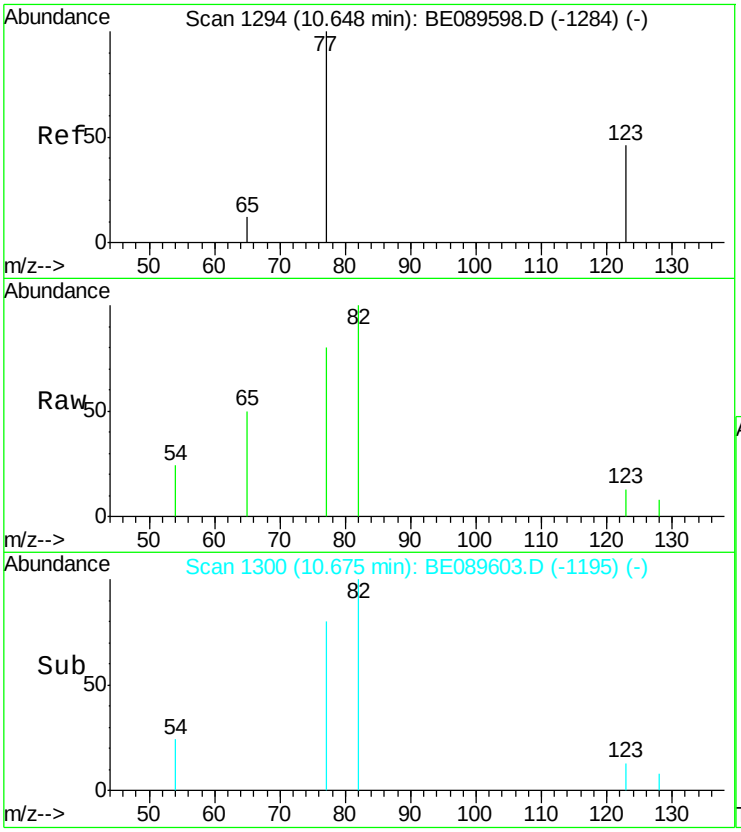




#8
Nitrobenzene-d5
Concen: 9.42 ng
RT: 10.62 min Scan# 1287
Delta R.T. 0.01 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion: 82 Resp: 195783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.8 | 33.2 | 49.8 |
| 54 | 48.6 | 39.6 | 59.4 |



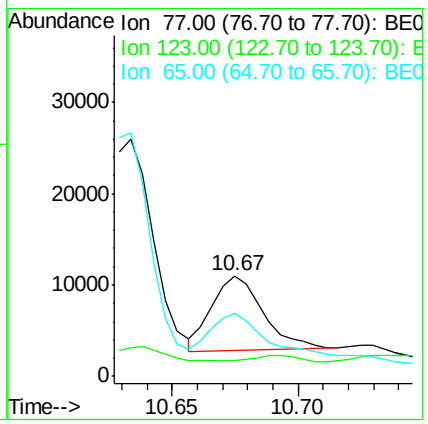


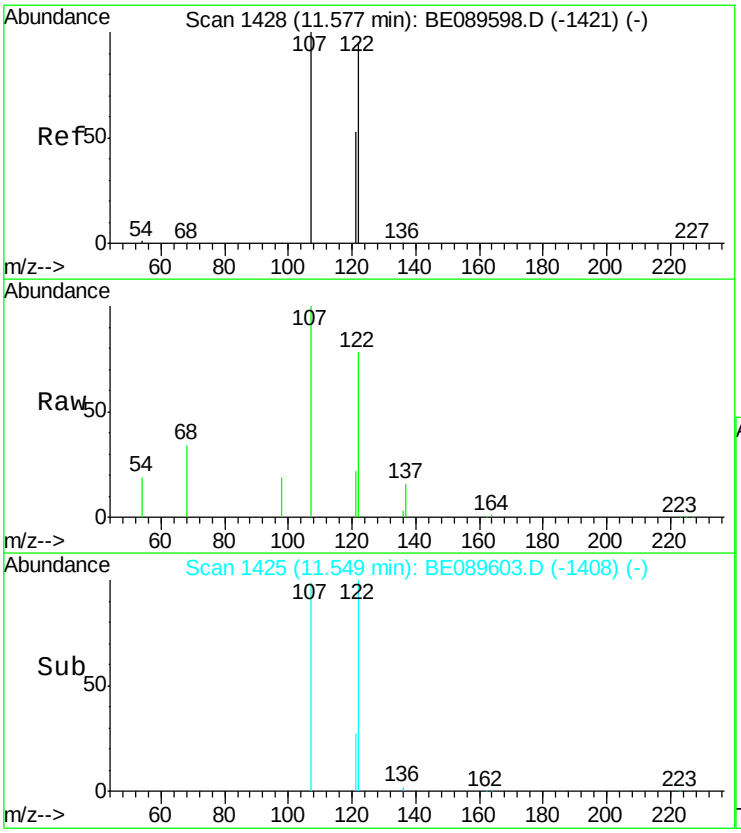

#9
Nitrobenzene
Concen: 0.62 ng
RT: 10.67 min Scan# 1300
Delta R.T. 0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion: 77 Resp: 11475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 36.5 | 54.7# |
| 65 | 90.6 | 10.2 | 15.4# |

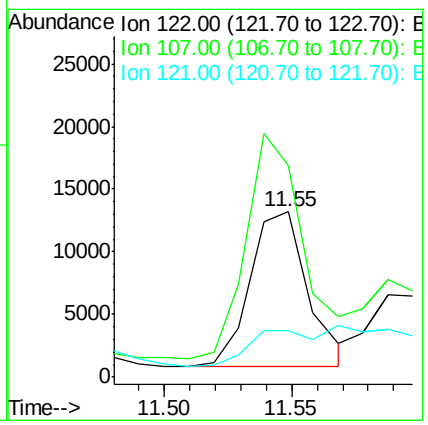


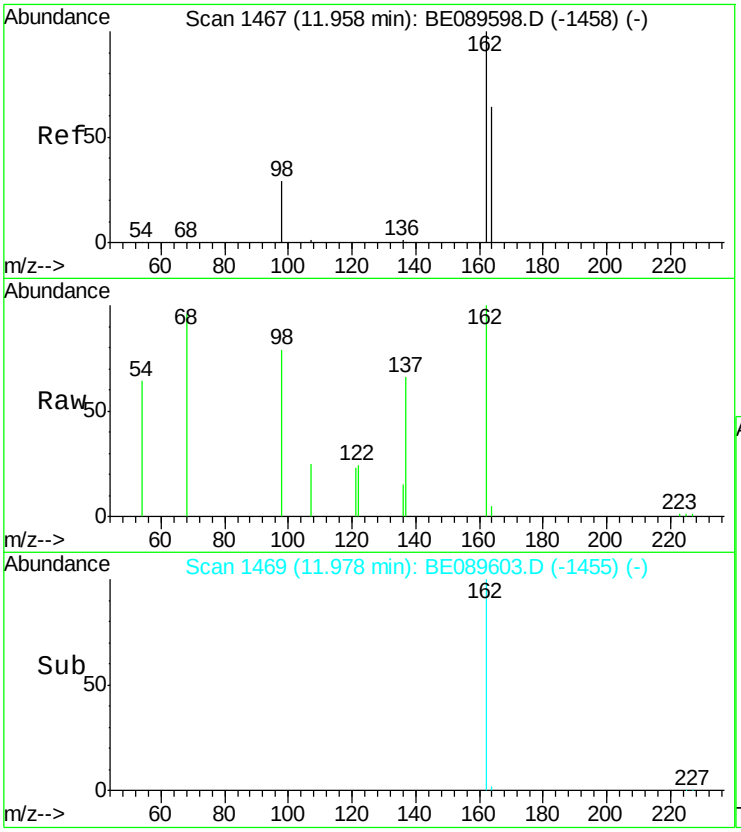




#10
2,4-Dimethylphenol
Concen: 1.01 ng
RT: 11.55 min Scan# 1425
Delta R.T. -0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:122 Resp: 19535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 128.3 | 83.9 | 125.9# |
| 121 | 27.8 | 44.9 | 67.3# |



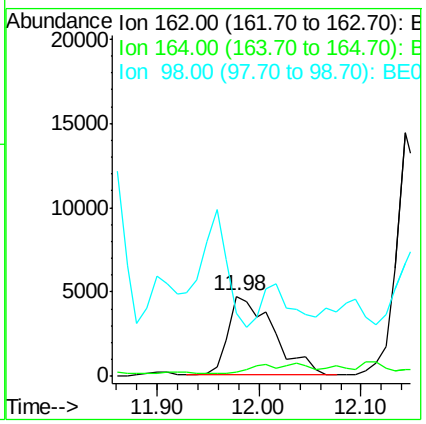


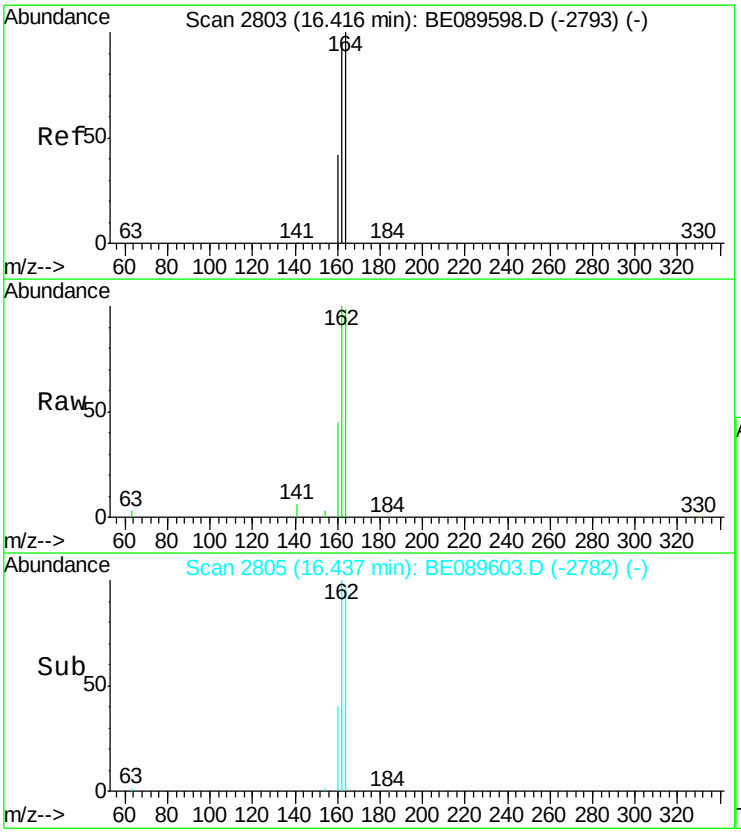

#11
2,4-Dichlorophenol
Concen: 0.94 ng
RT: 11.98 min Scan# 1469
Delta R.T. 0.02 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:162 Resp: 14611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 5.2 | 44.7 | 84.7# |
| 98 | 78.7 | 10.3 | 50.3# |

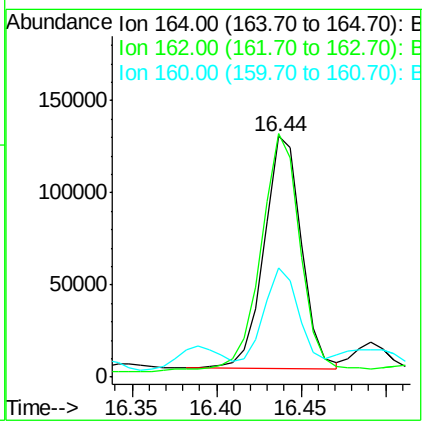


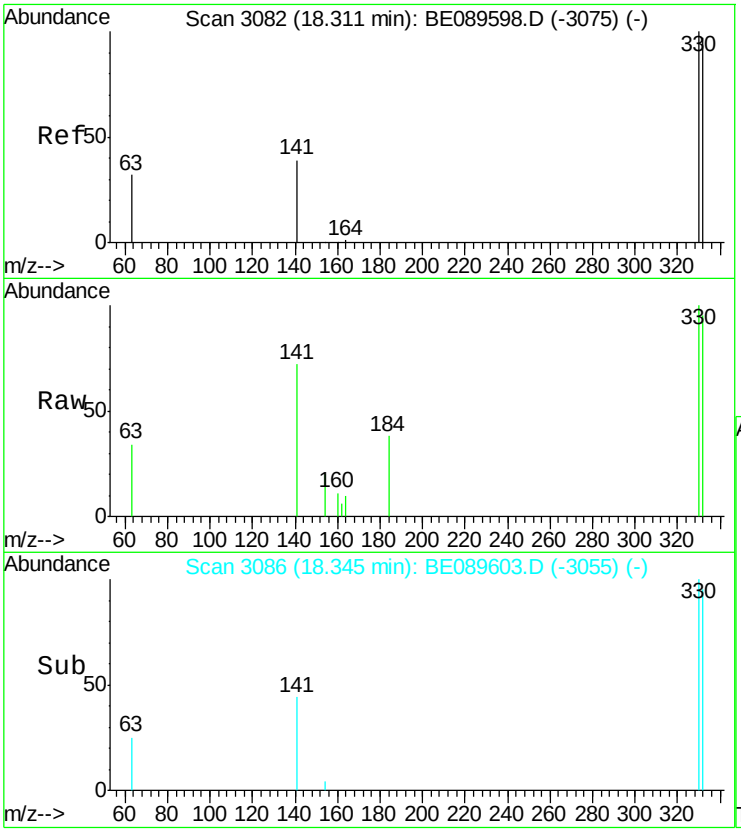




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.44 min Scan# 2805
Delta R.T. 0.02 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:164 Resp: 191696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 76.3 | 114.5 |
| 160 | 45.4 | 33.9 | 50.9 |



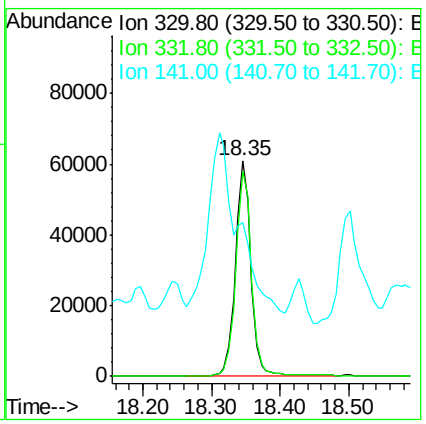


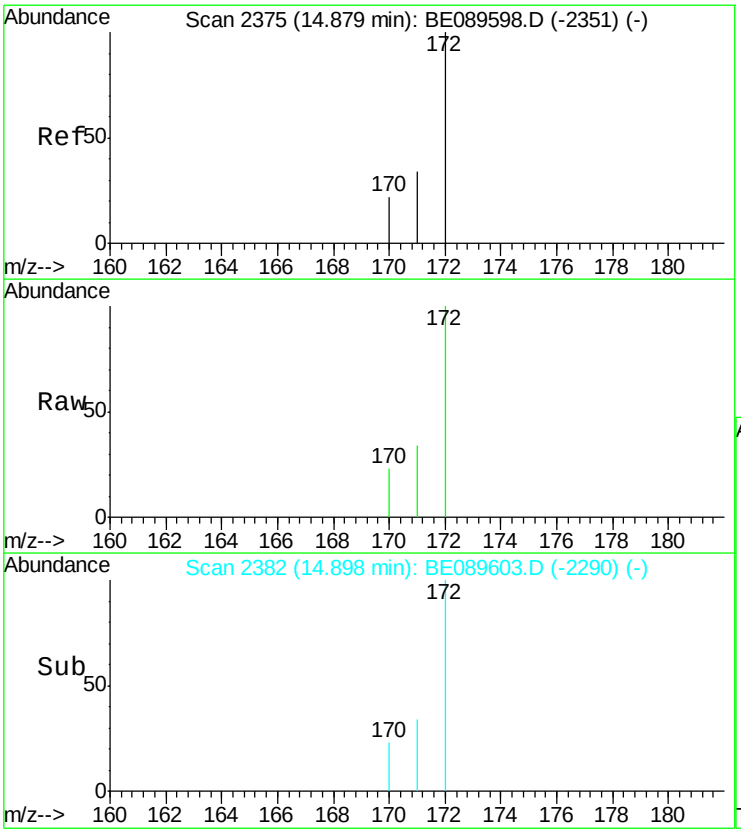

#14
2,4,6-Tribromophenol
Concen: 16.90 ng
RT: 18.35 min Scan# 3086
Delta R.T. 0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:330 Resp: 95541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.8 | 76.7 | 115.1 |
| 141 | 0.0 | 30.1 | 45.1# |

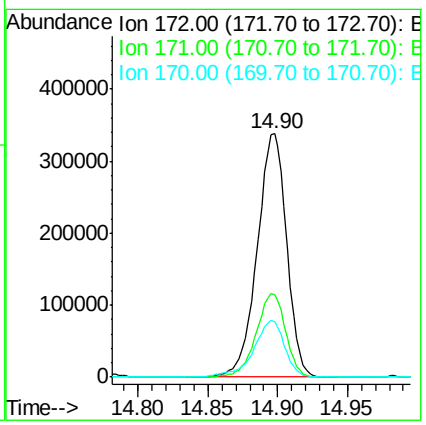


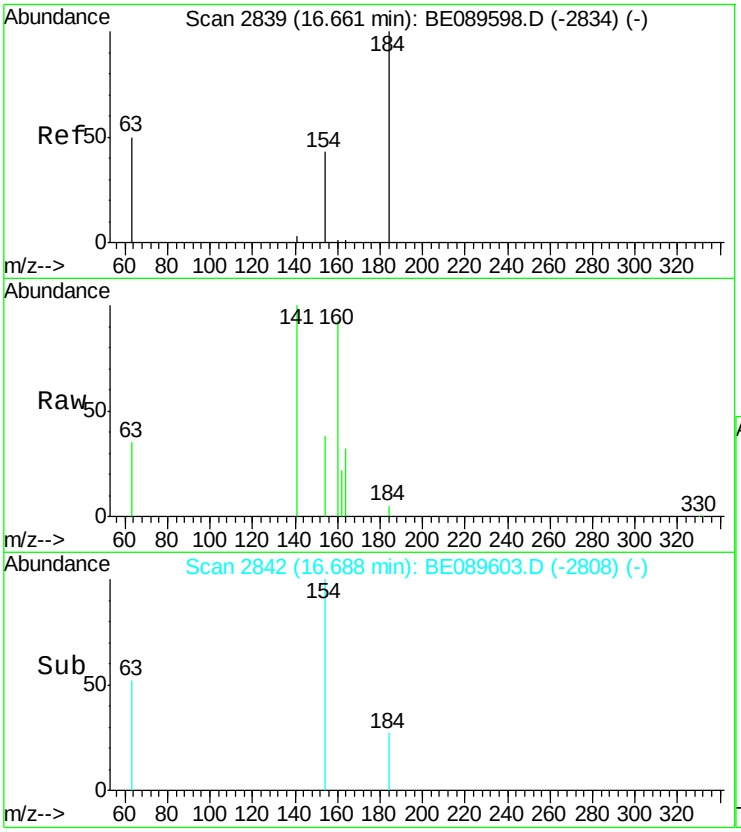




#15
2-Fluorobiphenyl
Concen: 9.65 ng
RT: 14.90 min Scan# 2382
Delta R.T. 0.02 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:172 Resp: 494603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.1 | 27.4 | 41.0 |
| 170 | 22.6 | 17.9 | 26.9 |



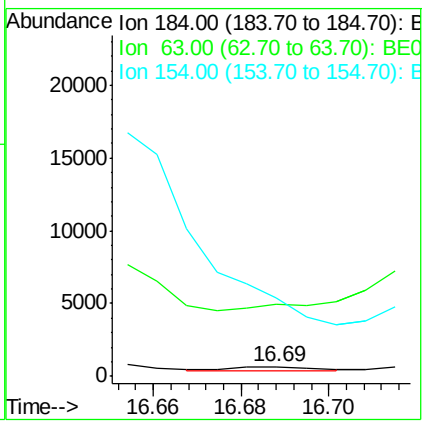


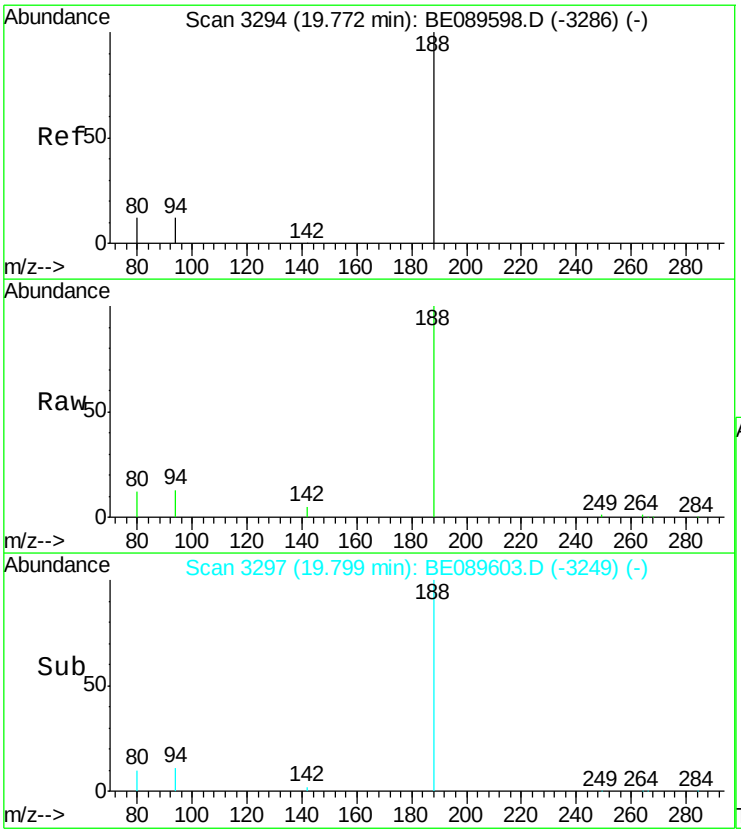

#16
2,4-Dinitrophenol
Concen: 0.64 ng
RT: 16.69 min Scan# 2842
Delta R.T. 0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:184 Resp: 300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 746.6 | 61.0 | 91.4# |
| 154 | 817.4 | 53.4 | 80.0# |

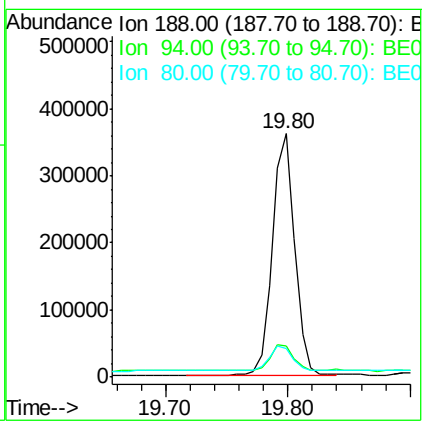


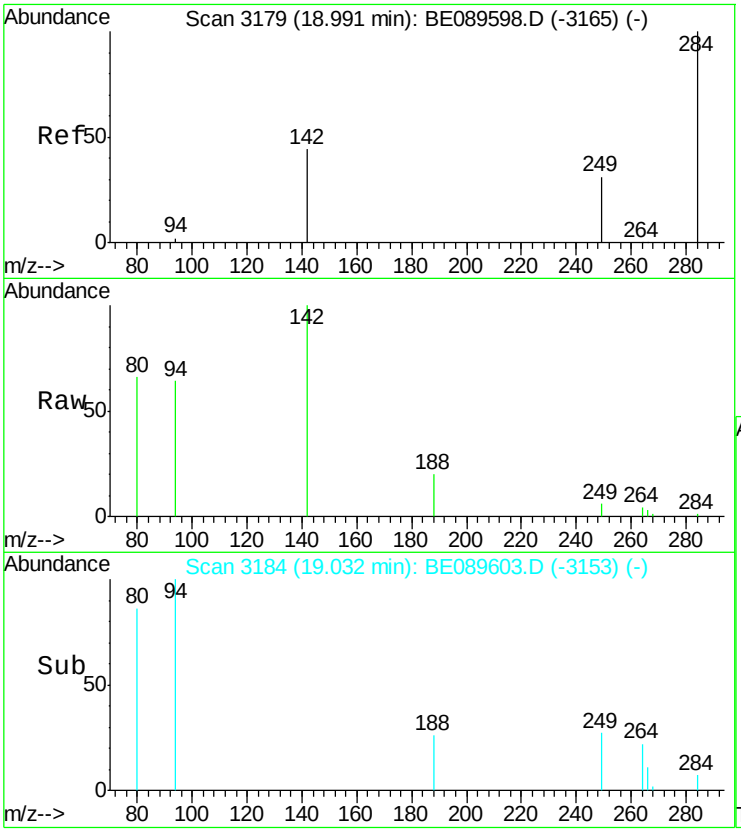




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.80 min Scan# 3297
Delta R.T. 0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:188 Resp: 457217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.9 | 9.4 | 14.2 |
| 80 | 11.9 | 9.8 | 14.8 |



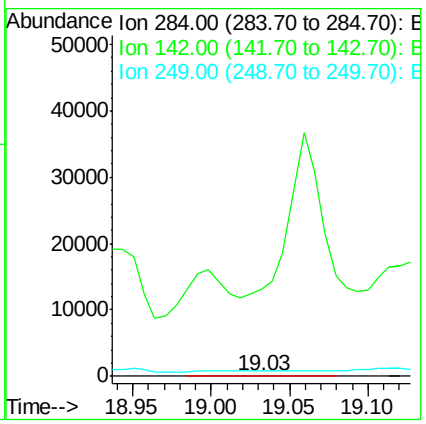


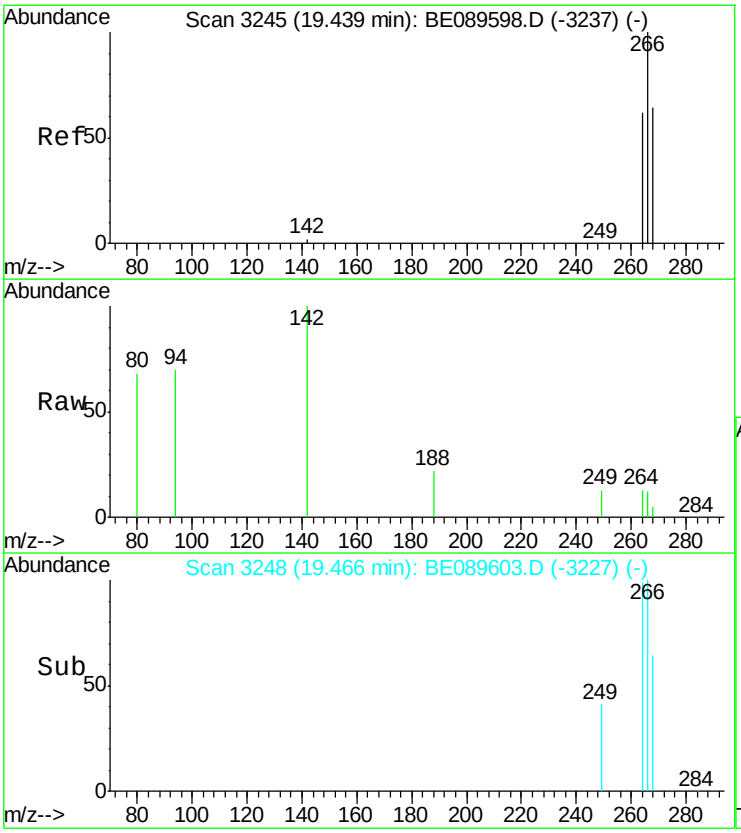

#18
Hexachlorobenzene
Concen: 0.01 ng
RT: 19.03 min Scan# 3184
Delta R.T. 0.04 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:284 Resp: 106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 11153.8 | 35.6 | 53.4# |
| 249 | 678.2 | 25.2 | 37.8# |

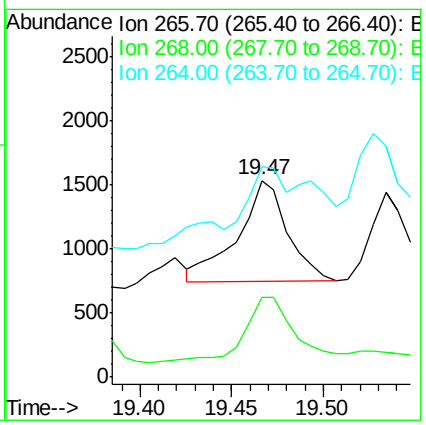


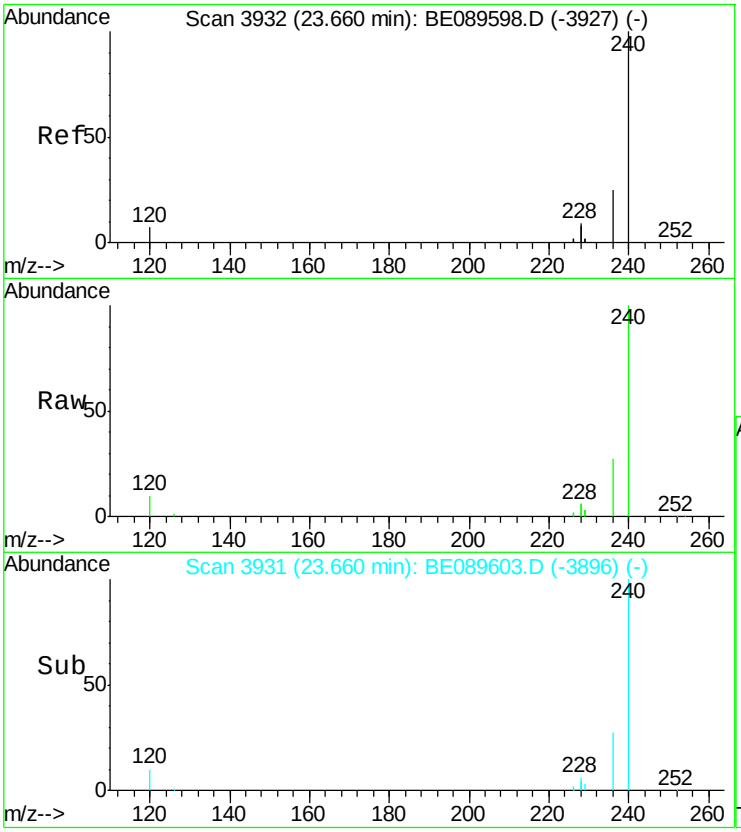




#19
Pentachlorophenol
Concen: 0.59 ng
RT: 19.47 min Scan# 3248
Delta R.T. 0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:266 Resp: 1488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 40.7 | 53.0 | 79.4# |
| 264 | 106.8 | 51.9 | 77.9# |



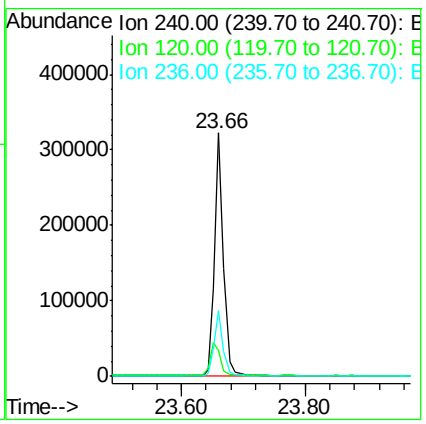


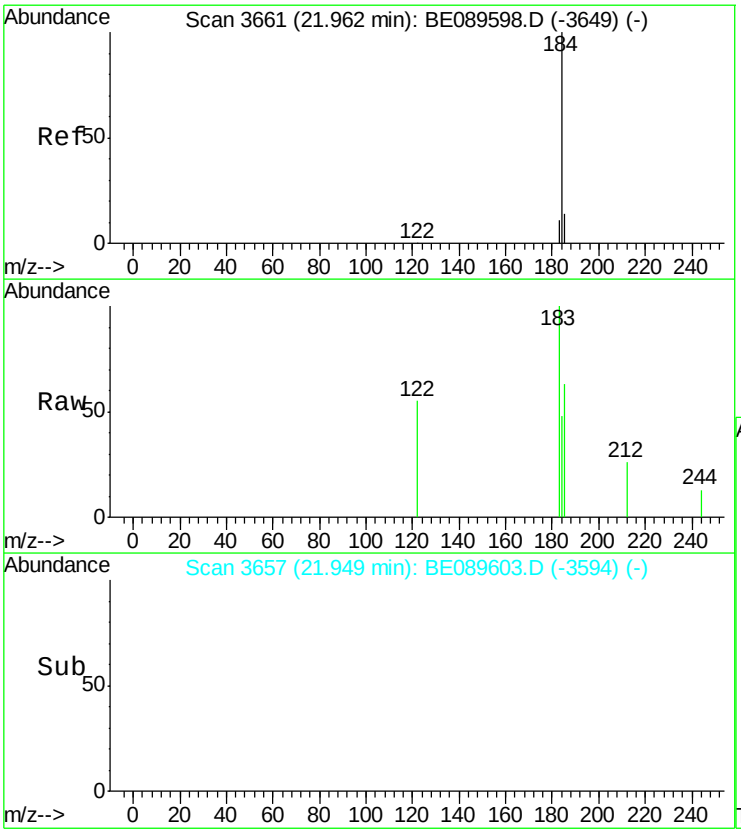

#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.66 min Scan# 3931
Delta R.T. 0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:240 Resp: 324608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.5 | 5.4 | 8.0# |
| 236 | 27.2 | 19.8 | 29.6 |

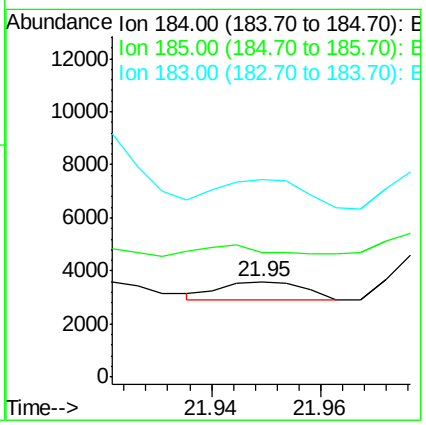


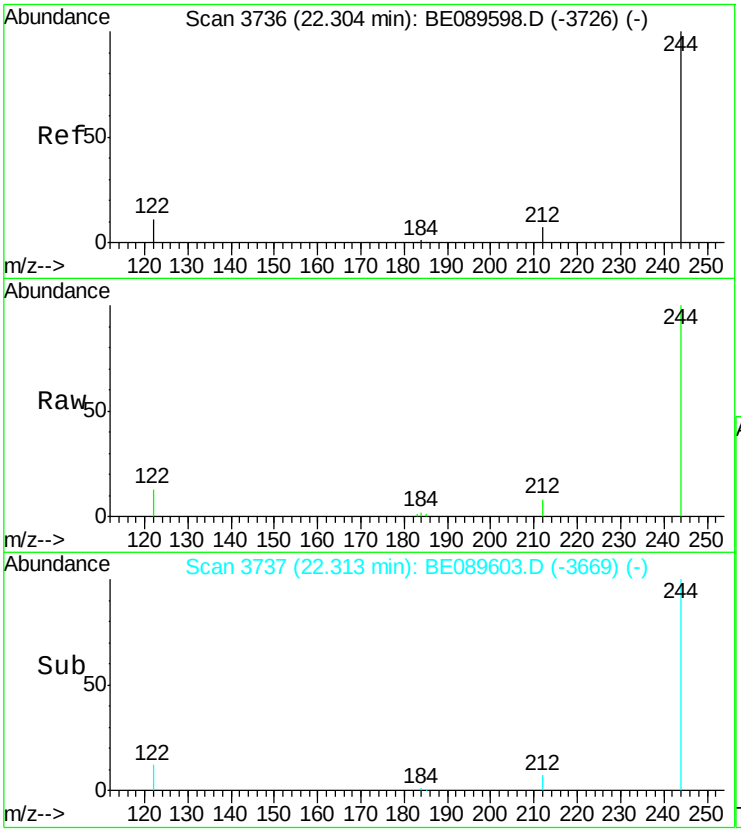




#21
Benzidine
Concen: Below Cal
RT: 21.95 min Scan# 3657
Delta R.T. -0.01 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:184 Resp: 744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 130.8 | 11.8 | 17.8# |
| 183 | 206.7 | 9.3 | 13.9# |



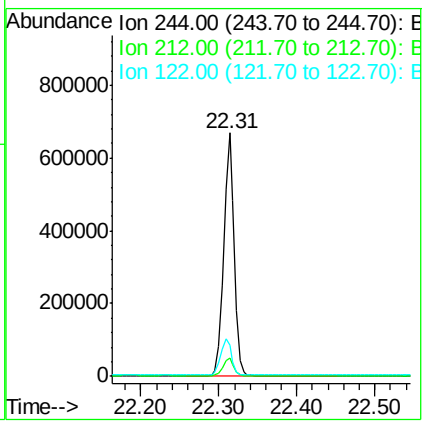


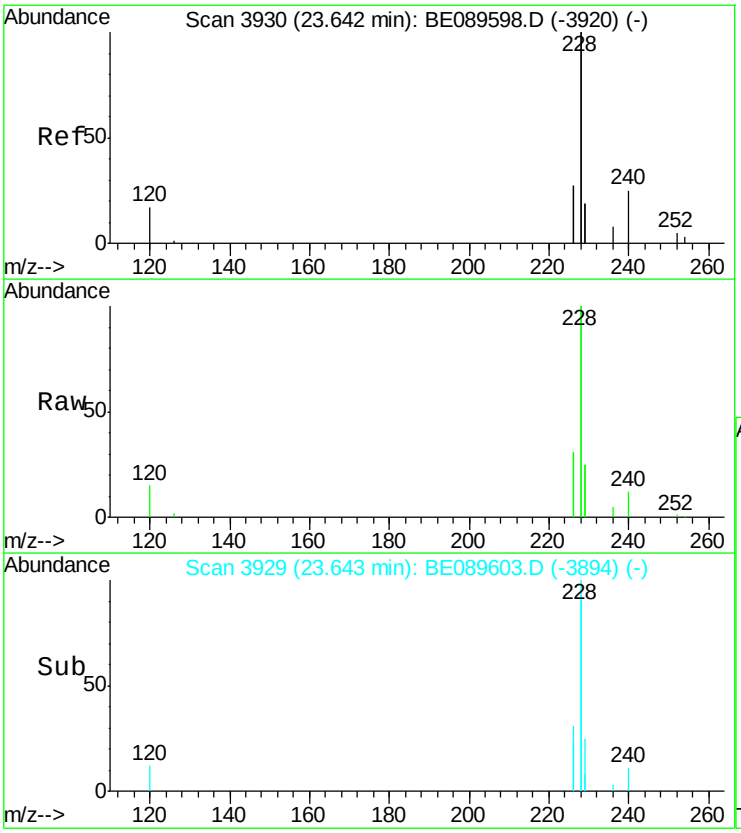

#22
Terphenyl-d14
Concen: 14.16 ng
RT: 22.31 min Scan# 3737
Delta R.T. 0.01 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:244 Resp: 620353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 5.7 | 8.5 |
| 122 | 12.7 | 8.6 | 13.0 |

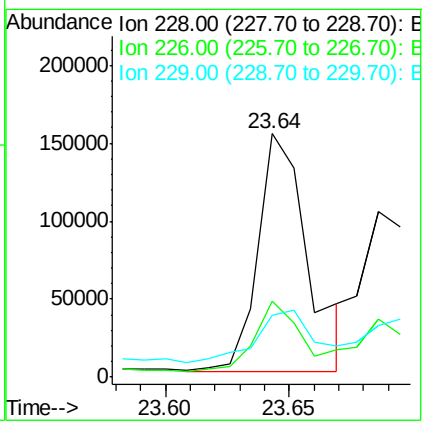


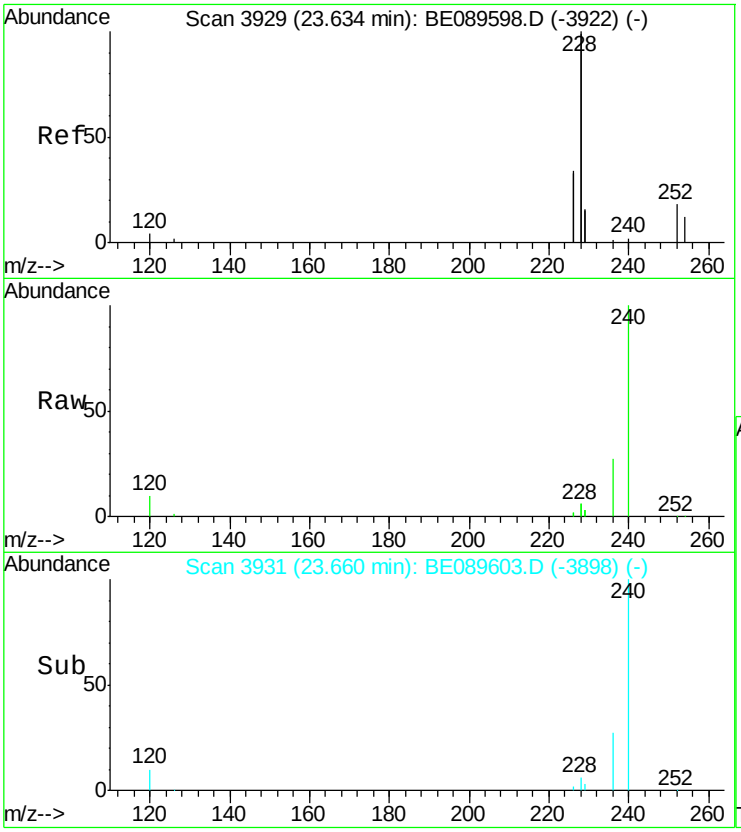




#23
Benzo(a)anthracene
Concen: 0.77 ng
RT: 23.64 min Scan# 3929
Delta R.T. 0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:228 Resp: 213021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 21.5 | 32.3 |
| 229 | 25.4 | 15.0 | 22.6# |



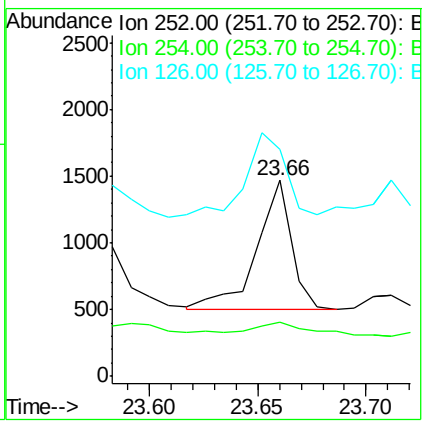


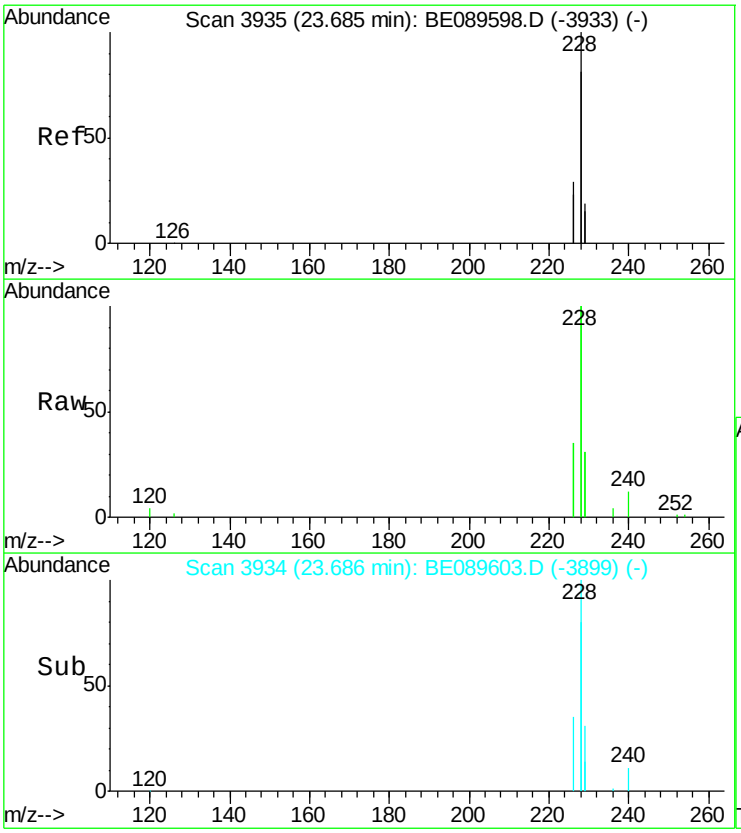

#24
3,3'-Dichlorobenzidine
Concen: 0.42 ng
RT: 23.66 min Scan# 3931
Delta R.T. 0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:252 Resp: 1101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 27.8 | 51.7 | 77.5# |
| 126 | 115.7 | 9.9 | 14.9# |

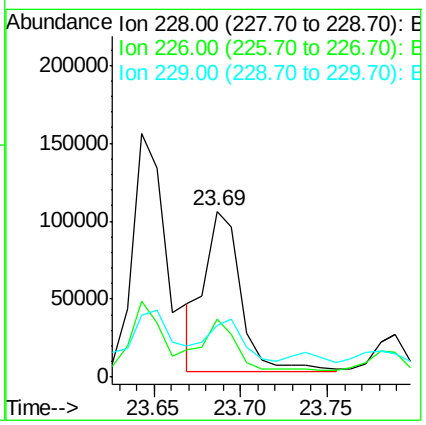


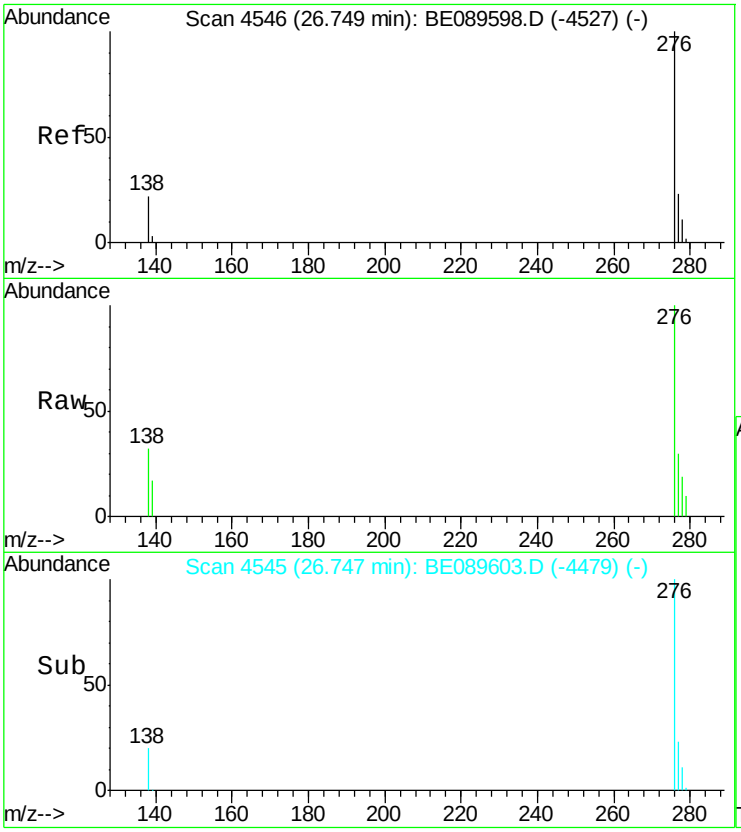




#25
Chrysene
Concen: 0.48 ng
RT: 23.69 min Scan# 3934
Delta R.T. 0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:228 Resp: 151732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.8 | 23.4 | 35.2 |
| 229 | 31.3 | 15.3 | 22.9# |



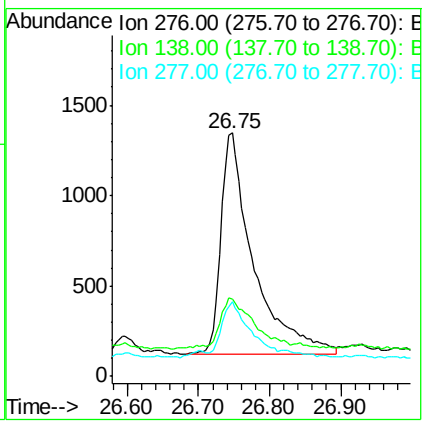


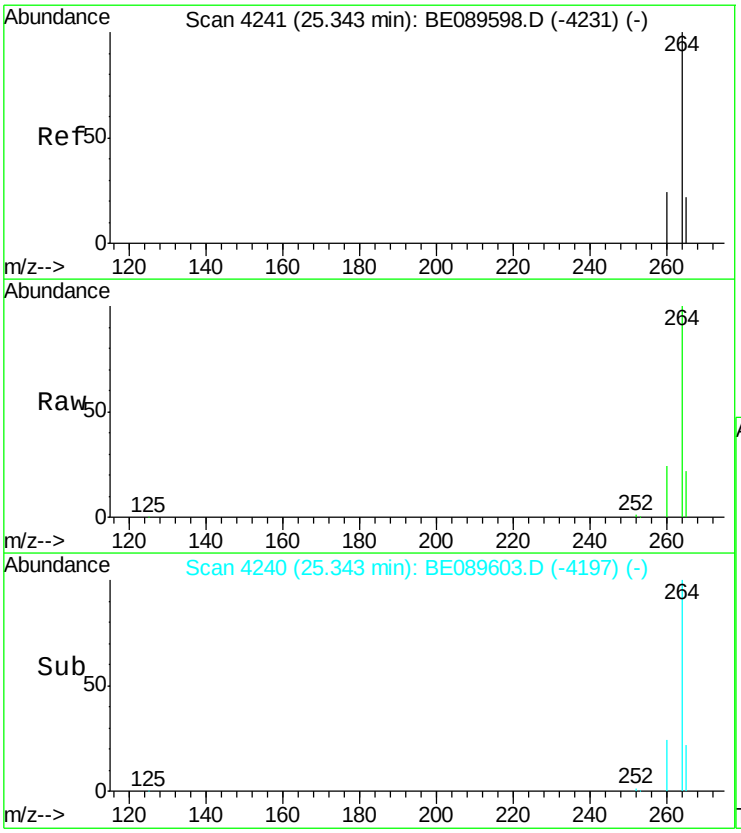

#26
Indeno(1,2,3-cd)pyrene
Concen: 0.28 ng
RT: 26.75 min Scan# 4545
Delta R.T. -0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:276 Resp: 3880

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.8 | 0.0 | 0.0# |
| 277 | 22.7 | 19.9 | 29.9 |

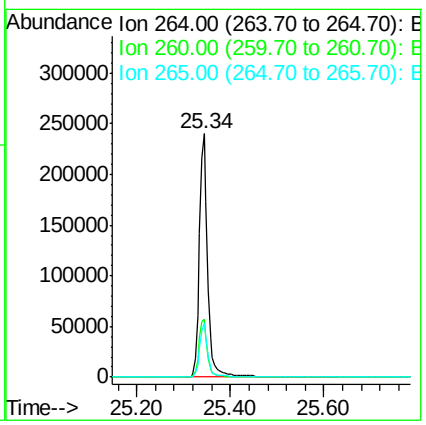


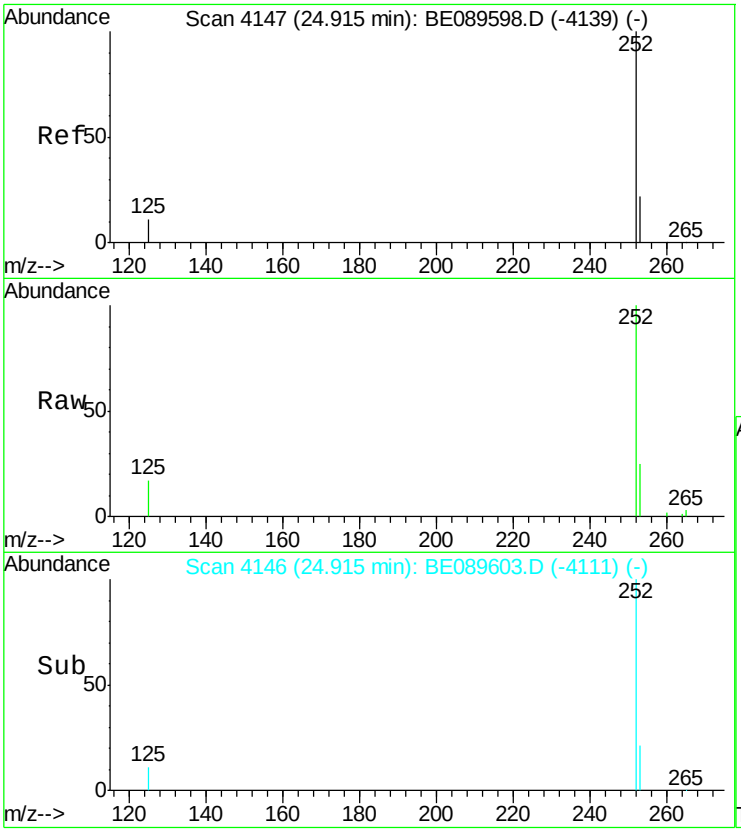




#27
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4240
Delta R.T. 0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:264 Resp: 292299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 19.0 | 28.4 |
| 265 | 22.2 | 17.8 | 26.8 |



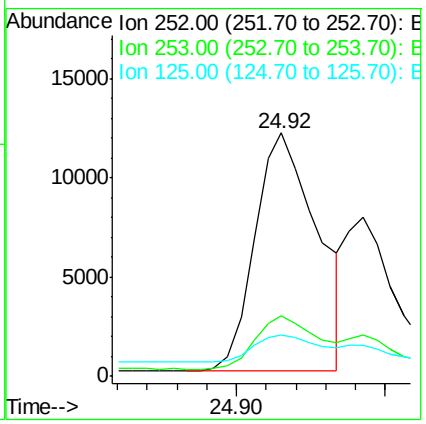


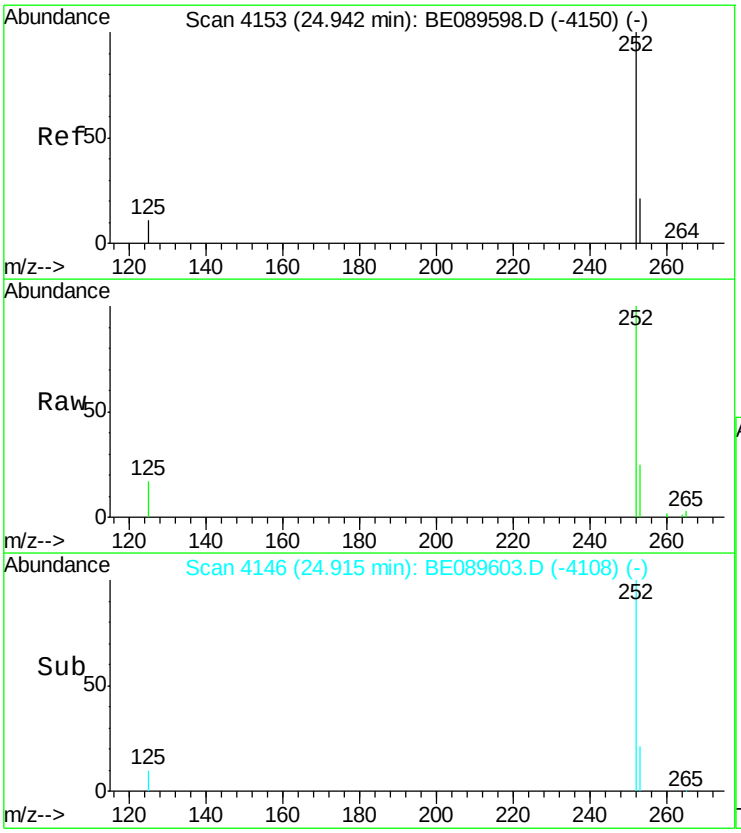

#28
Benzo(b)fluoranthene
Concen: 0.53 ng
RT: 24.92 min Scan# 4146
Delta R.T. 0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:252 Resp: 17377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.8 | 26.8 |
| 125 | 17.0 | 8.9 | 13.3# |

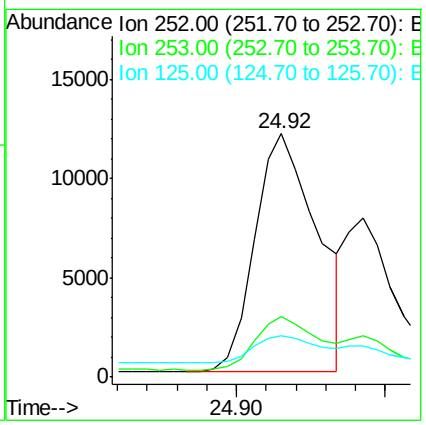


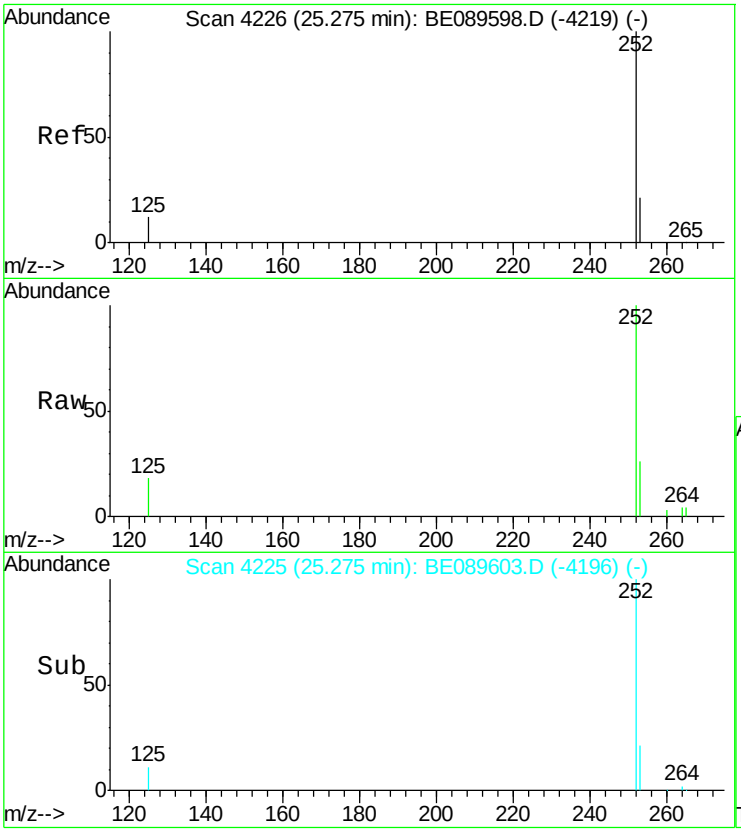




#29
Benzo(k)fluoranthene
Concen: 0.26 ng
RT: 24.92 min Scan# 4146
Delta R.T. -0.03 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:252 Resp: 17377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.3 | 25.9 |
| 125 | 17.0 | 8.9 | 13.3# |



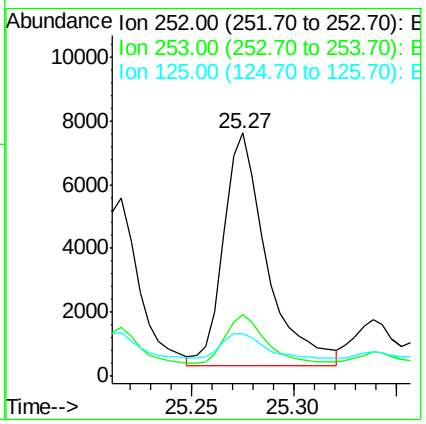


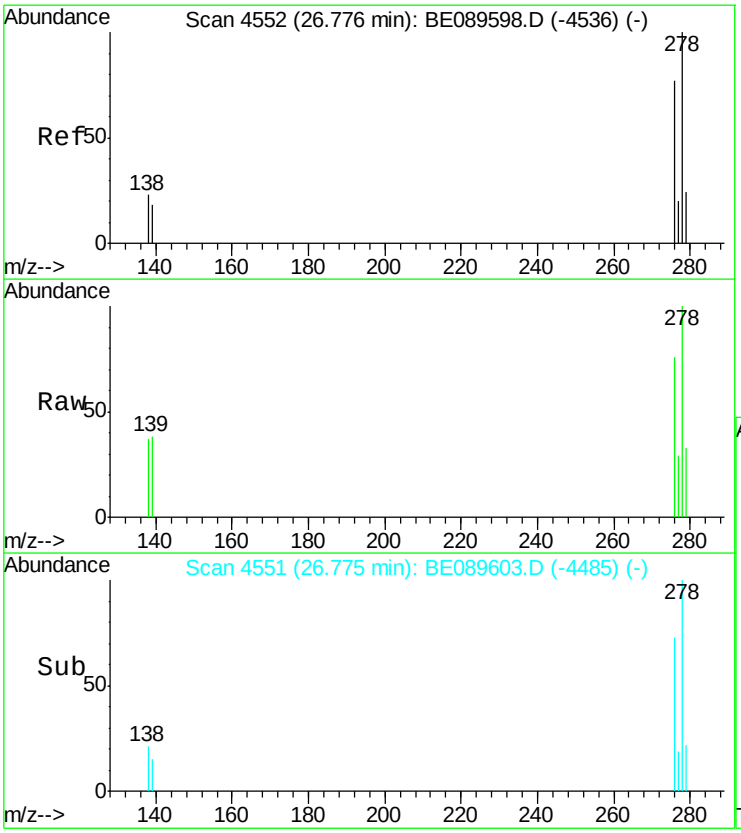

#30
Benzo(a)pyrene
Concen: 0.44 ng
RT: 25.27 min Scan# 4225
Delta R.T. 0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

**Instrument :**
BNA_E
**ClientSampleId :**
MW-1RE

Tgt Ion:252 Resp: 10649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.6 | 17.1 | 25.7 |
| 125 | 17.6 | 9.8 | 14.8# |




#31
Dibenzo(a,h)anthracene
Concen: 0.32 ng
RT: 26.77 min Scan# 4551
Delta R.T. -0.00 min
Lab File: BE089603.D
Acq: 17 Feb 2015 21:02

Tgt Ion:278 Resp: 2287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 37.8 | 14.6 | 21.8# |
| 279 | 33.1 | 19.4 | 29.0# |