Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
Data File : BE089393.D
Acq On : 28 Jan 2015 17:56
Operator : TP/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**LabSampleId :** SSTDICC0.2

Quant Time: Jan 29 01:19:58 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 29 01:08:21 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.58 | 152 | 120147 | 5.00 | ng | | 0.00 |
| 7) Naphthalene-d8 | 12.50 | 136 | 428061 | 5.00 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 12.21 | 164 | 2404 | 5.00 | ng | | 0.00 |
| 17) Phenanthrene-d10 | 19.99 | 188 | 343303 | 5.00 | ng | | 0.00 |
| 20) Chrysene-d12 | 23.84 | 240 | 408059 | 5.00 | ng | | 0.00 |
| 27) Perylene-d12 | 25.55 | 264 | 425052 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 6.73 | 112 | 7395 | 0.18 | ng | | 0.00 |
| 4) Phenol-d6 | 8.84 | 99 | 9262 | 0.19 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 10.84 | 82 | 5733 | 0.17 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 18.58 | 330 | 806 | 4.76 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 15.13 | 172 | 10298 | 4.45 | ng | | 0.00 |
| 22) Terphenyl-d14 | 22.48 | 244 | 9244 | 0.25 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) n-Nitrosodimethylamine | 3.63 | 42 | 2863 | 0.14 | ng | # | 16 |
| 5) Phenol | 8.87 | 94 | 9806 | 0.19 | ng | # | 58 |
| 6) bis(2-Chloroethyl)ether | 9.06 | 93 | 7351 | 0.19 | ng | # | 98 |
| 9) Nitrobenzene | 10.89 | 77 | 6407 | 0.17 | ng | | 99 |
| 10) 2,4-Dimethylphenol | 11.82 | 122 | 5069 | 0.16 | ng | | 96 |
| 11) 2,4-Dichlorophenol | 12.21 | 162 | 3789 | 0.18 | ng | | 96 |
| 12) Hexachlorobutadiene | 12.89 | 225 | 2841 | 0.20 | ng | | 98 |
| 16) 2,4-Dinitrophenol | 16.91 | 184 | 37 | 0.77 | ng | # | 16 |
| 18) Hexachlorobenzene | 19.23 | 284 | 3127 | 0.18 | ng | | 96 |
| 19) Pentachlorophenol | 19.66 | 266 | 246 | 0.08 | ng | | 90 |
| 21) Benzidine | 22.14 | 184 | 7074 | 0.22 | ng | | 96 |
| 23) Benzo(a)anthracene | 23.83 | 228 | 71601 | 0.25 | ng | | 99 |
| 24) 3,3'-Dichlorobenzidine | 23.81 | 252 | 4282 | 0.17 | ng | # | 94 |
| 25) Chrysene | 23.87 | 228 | 92130 | 0.20 | ng | | 98 |
| 26) Indeno(1,2,3-cd)pyrene | 27.05 | 276 | 12629 | 0.08 | ng | # | 100 |
| 28) Benzo(b)fluoranthene | 25.13 | 252 | 32269 | 1.12 | ng | # | 96 |
| 29) Benzo(k)fluoranthene | 25.13 | 252 | 32827 | 0.50 | ng | | 96 |
| 30) Benzo(a)pyrene | 25.48 | 252 | 9022 | 0.24 | ng | # | 91 |
| 31) Dibenzo(a,h)anthracene | 27.08 | 278 | 7983 | 0.26 | ng | | 96 |

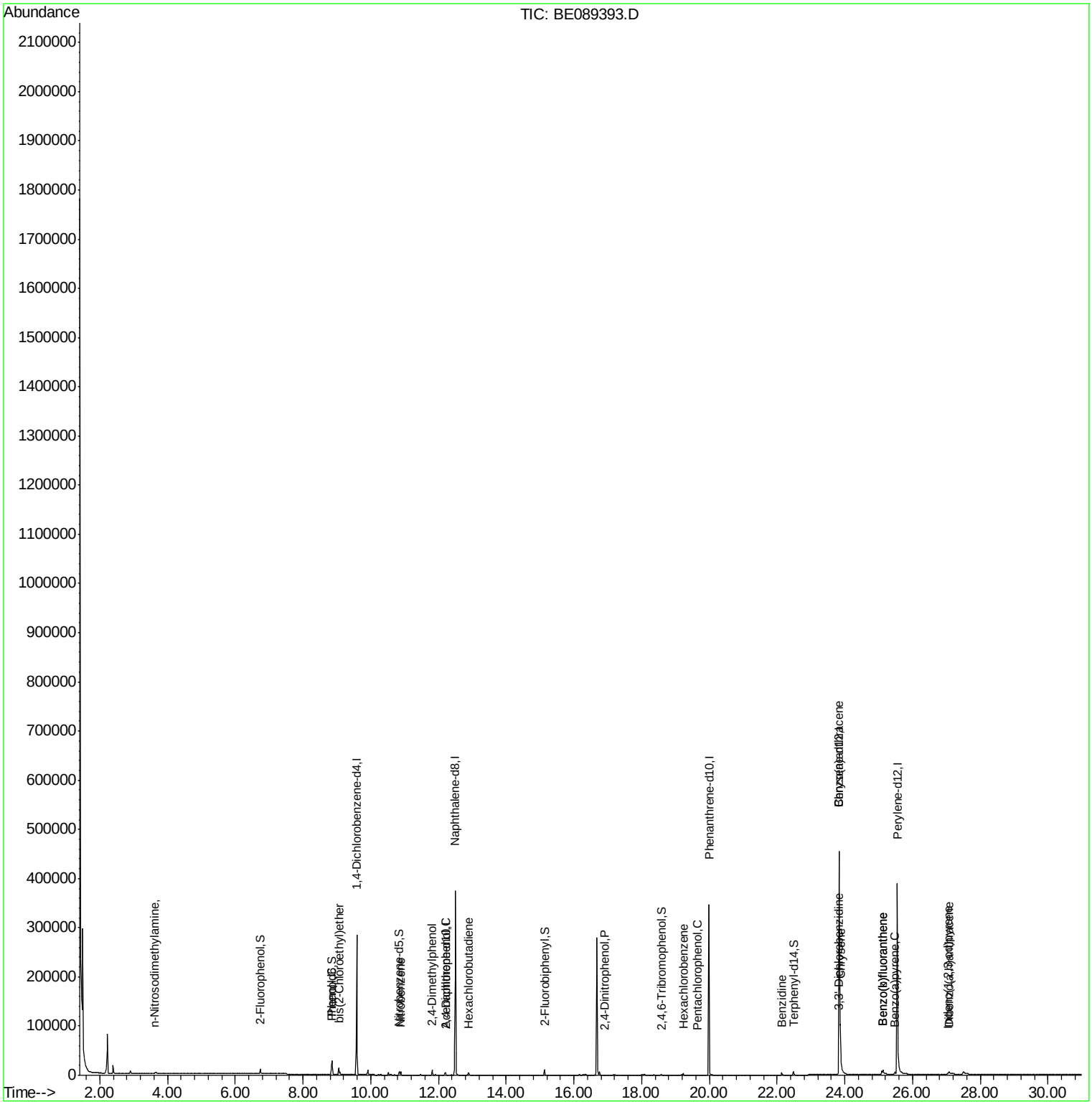
(#) = qualifier out of range (m) = manual integration (+) = signals summed

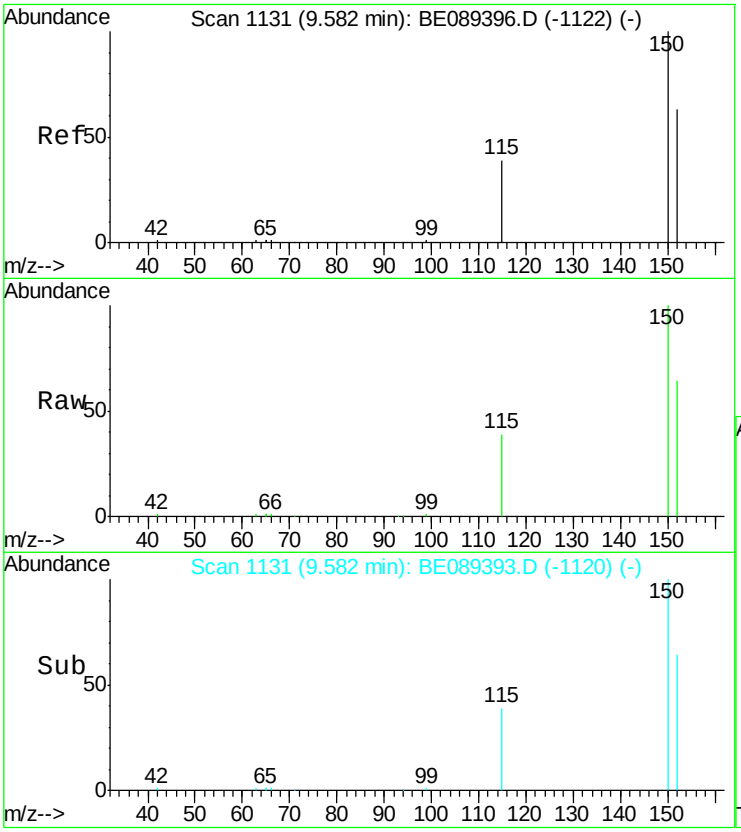
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012815\
Data File : BE089393.D
Acq On : 28 Jan 2015 17:56
Operator : TP/IZ
Sample : SSTDICC0.2
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Quant Time: Jan 29 01:19:58 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 29 01:08:21 2015
Response via : Initial Calibration



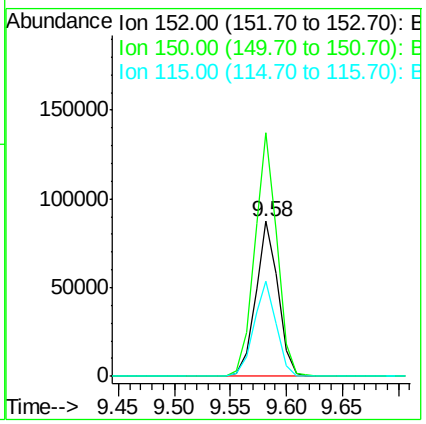


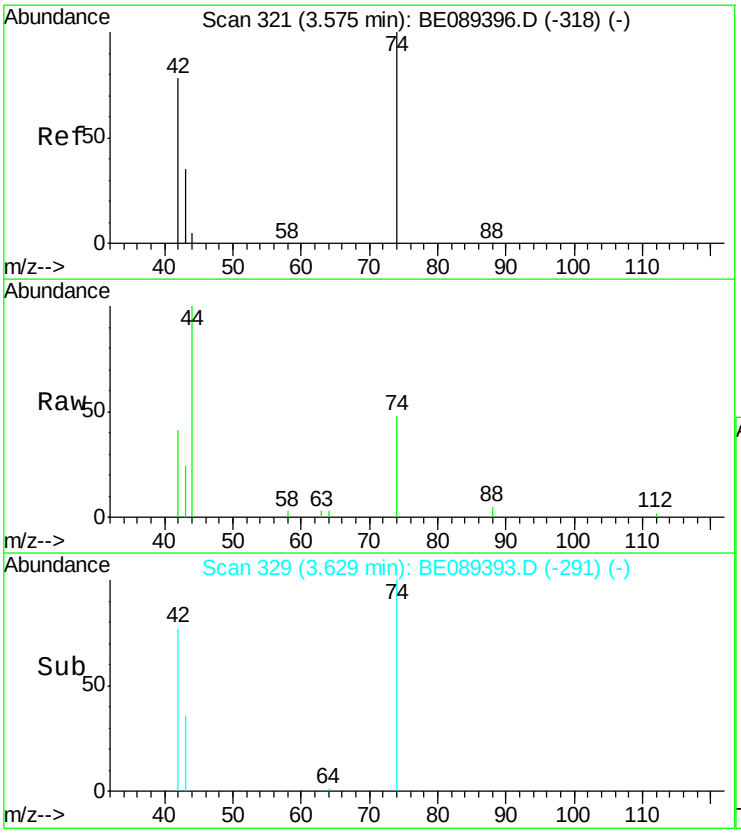

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.58 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:152 Resp: 120147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.9 | 127.2 | 190.8 |
| 115 | 60.9 | 49.3 | 73.9 |

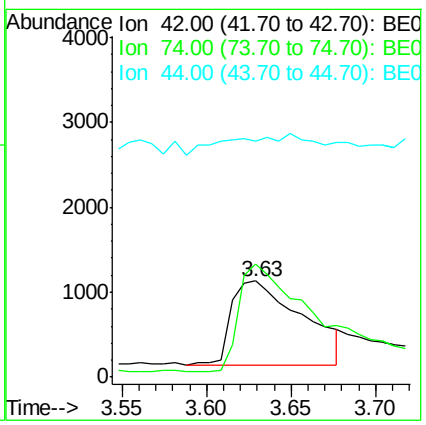


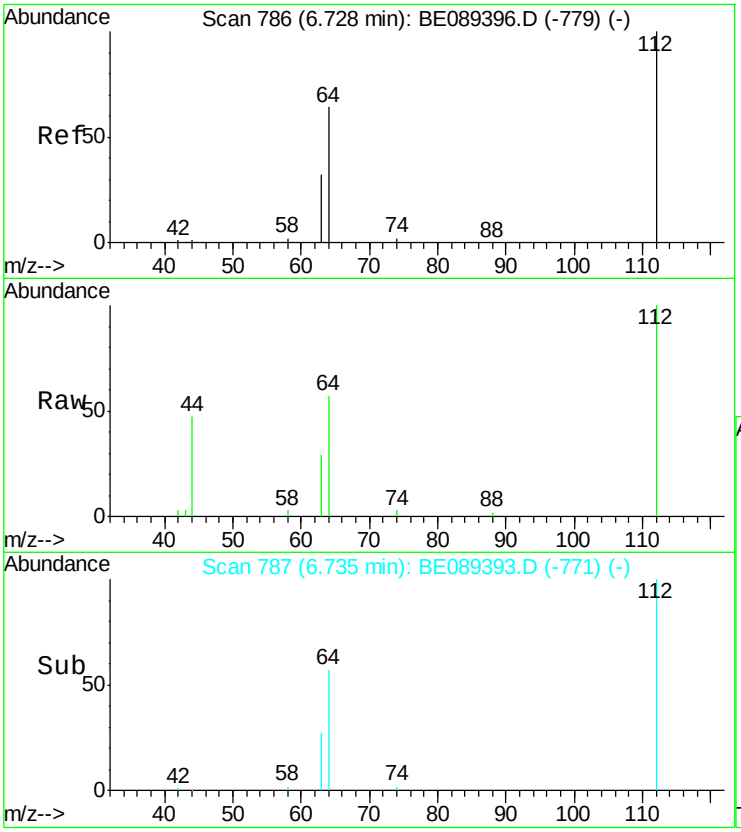




#2
n-Nitrosodimethylamine
Concen: 0.14 ng
RT: 3.63 min Scan# 329
Delta R.T. 0.05 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion: 42 Resp: 2863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 117.4 | 101.2 | 151.8 |
| 44 | 245.7 | 26.4 | 39.6# |



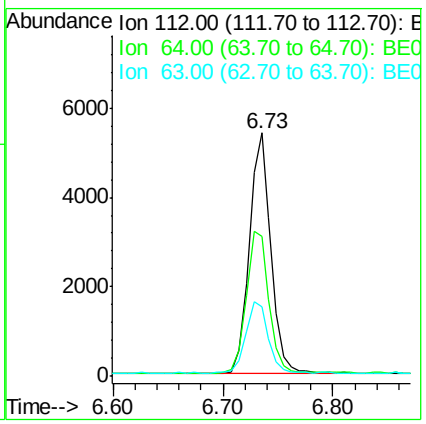


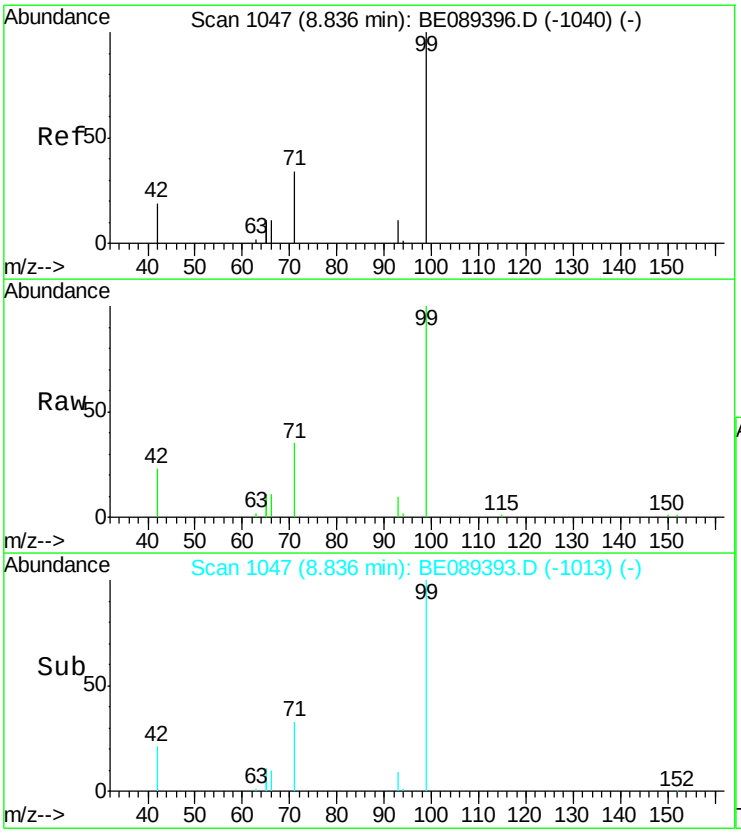

#3
2-Fluorophenol
Concen: 0.18 ng
RT: 6.73 min Scan# 787
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:112 Resp: 7395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.3 | 51.7 | 77.5 |
| 63 | 28.5 | 25.7 | 38.5 |

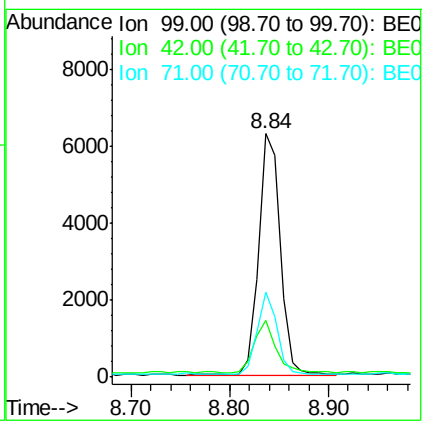


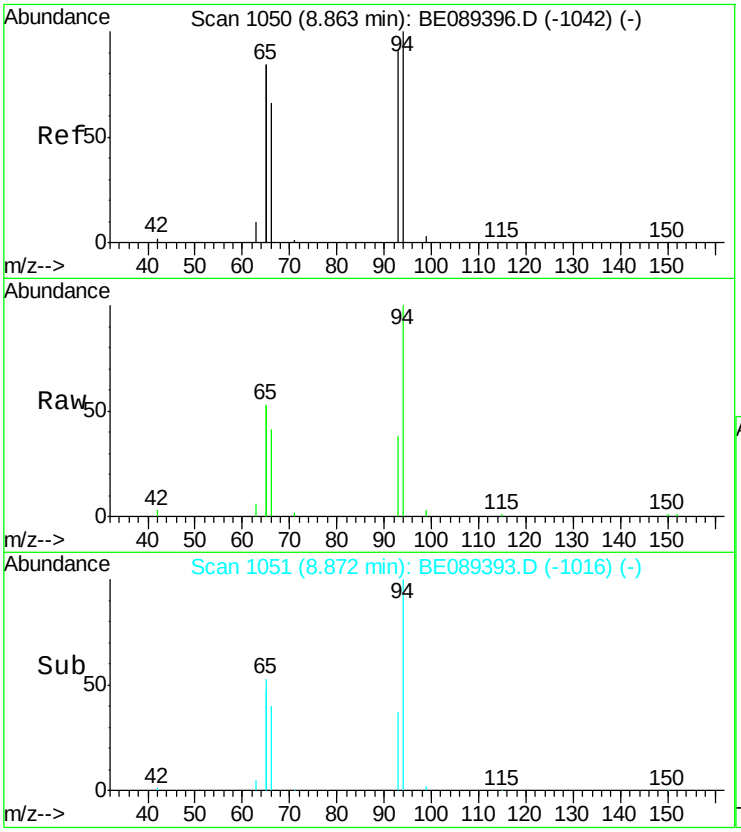




#4
Phenol-d6
Concen: 0.19 ng
RT: 8.84 min Scan# 1047
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion: 99 Resp: 9262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.3 | 15.3 | 22.9# |
| 71 | 34.8 | 27.0 | 40.6 |



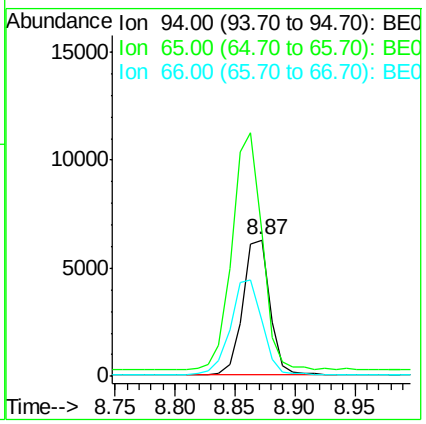


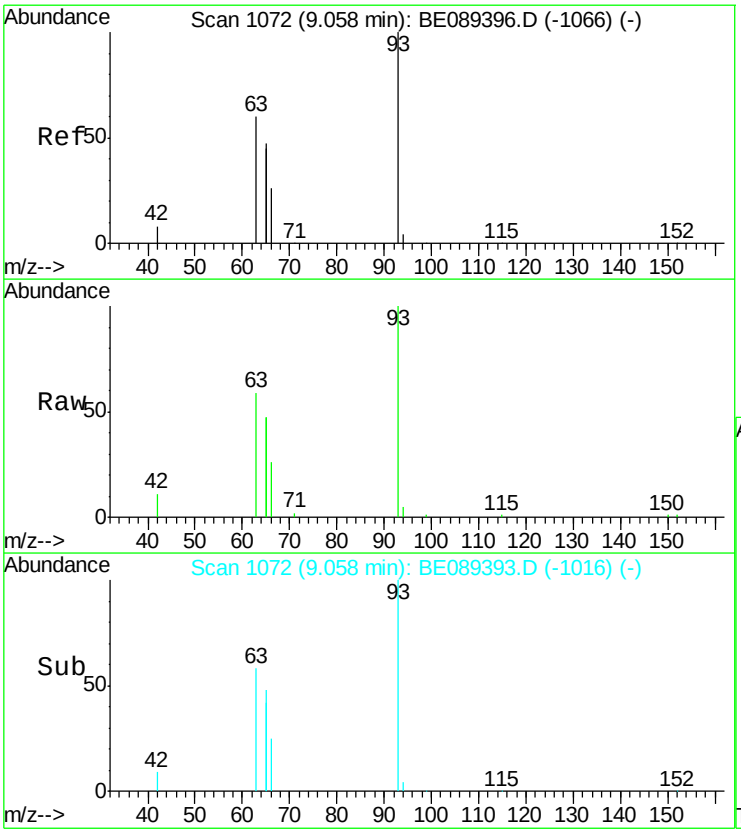

#5
Phenol
Concen: 0.19 ng
RT: 8.87 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion: 94 Resp: 9806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 105.7 | 148.6 | 188.6# |
| 66 | 41.0 | 46.2 | 86.2# |

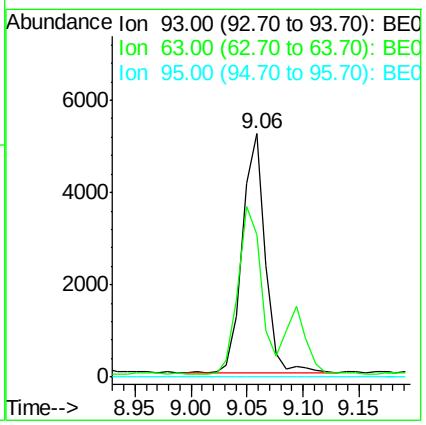


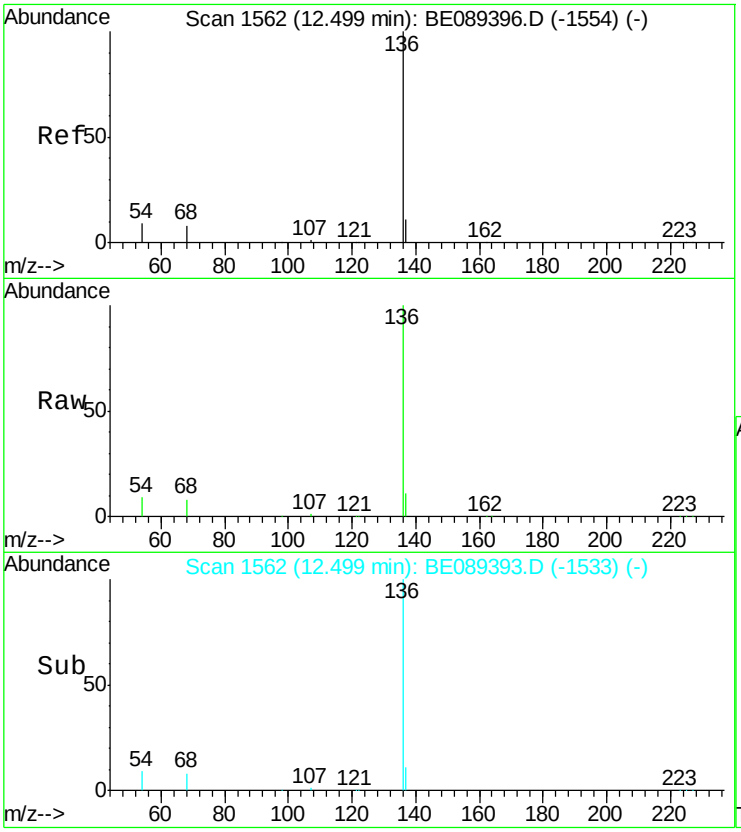




#6
bis(2-Chloroethyl)ether
Concen: 0.19 ng
RT: 9.06 min Scan# 1072
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion: 93 Resp: 7351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 71.7 | 58.9 | 88.3 |
| 95 | 0.0 | 0.0 | 0.0 |



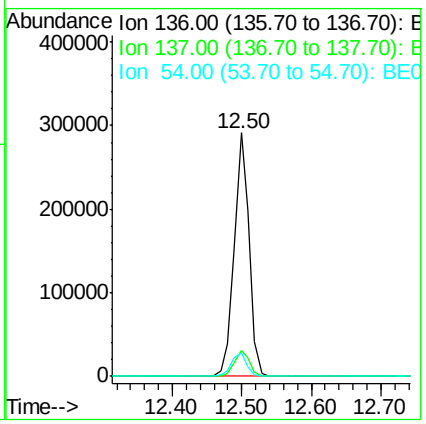


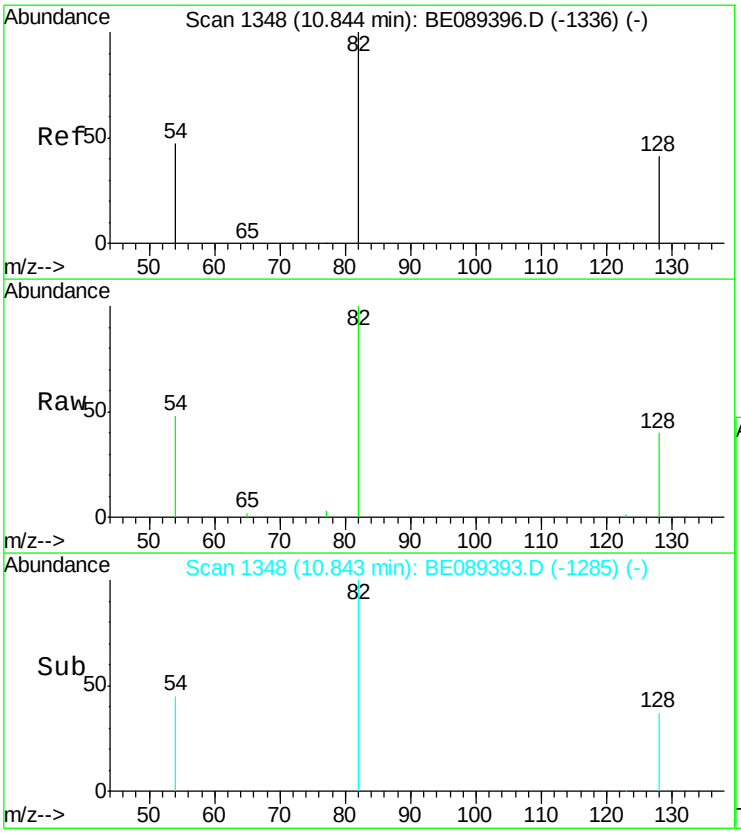

#7
Naphthalene-d8
Concen: 5.00 ng
RT: 12.50 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:136 Resp: 428061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 9.4 | 7.4 | 11.0 |

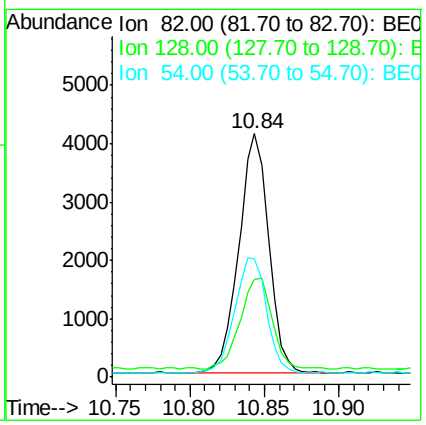


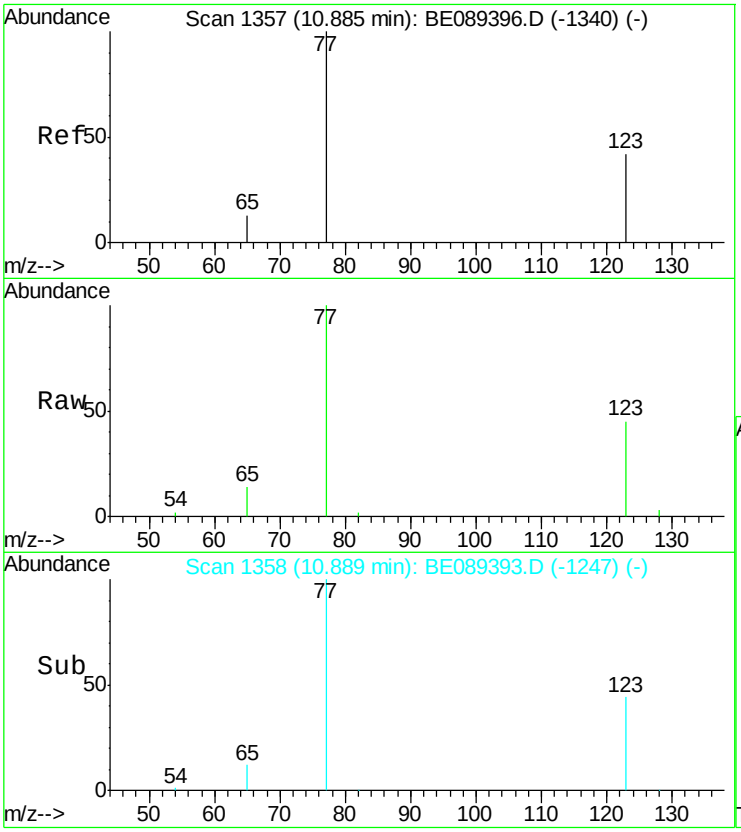




#8
Nitrobenzene-d5
Concen: 0.17 ng
RT: 10.84 min Scan# 1348
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion: 82 Resp: 5733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.1 | 33.6 | 50.4 |
| 54 | 48.3 | 37.7 | 56.5 |



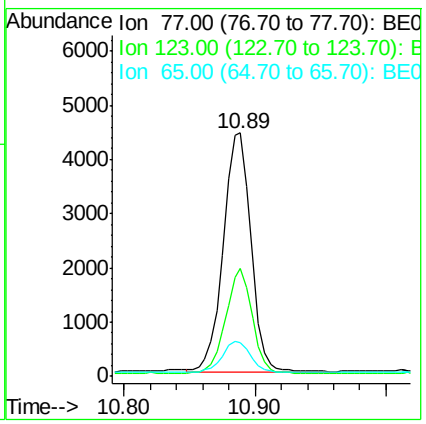


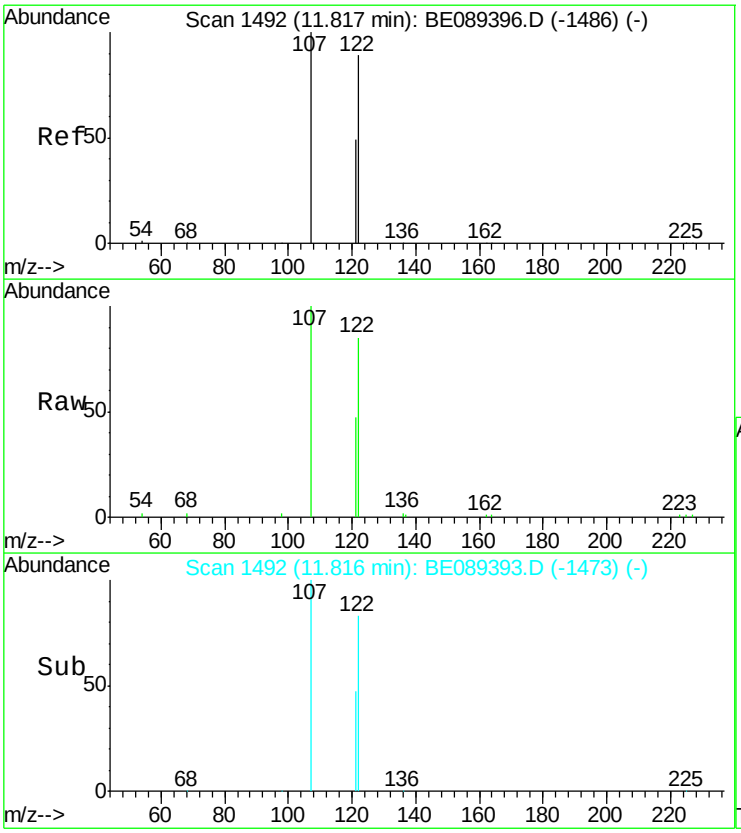

#9
Nitrobenzene
Concen: 0.17 ng
RT: 10.89 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion: 77 Resp: 6407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 42.2 | 34.7 | 52.1 |
| 65 | 13.2 | 10.6 | 15.8 |

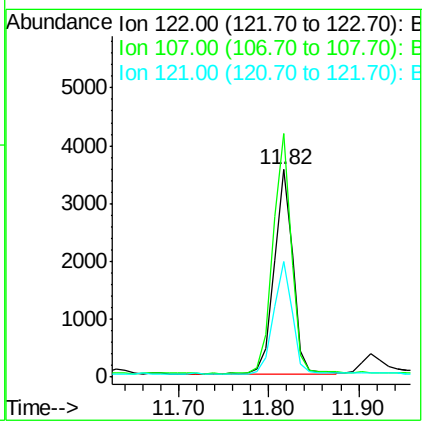


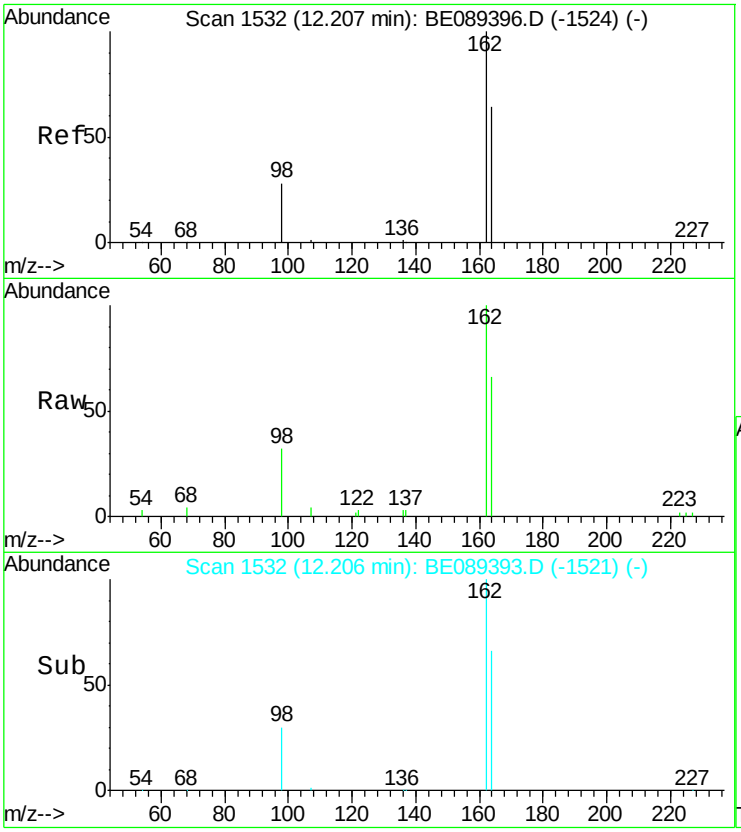




#10
2,4-Dimethylphenol
Concen: 0.16 ng
RT: 11.82 min Scan# 1492
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:122 Resp: 5069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 117.2 | 89.4 | 134.2 |
| 121 | 55.7 | 43.6 | 65.4 |



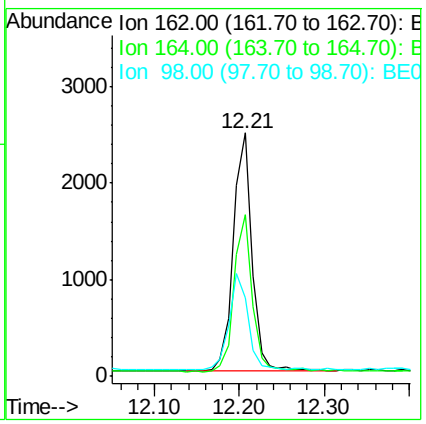


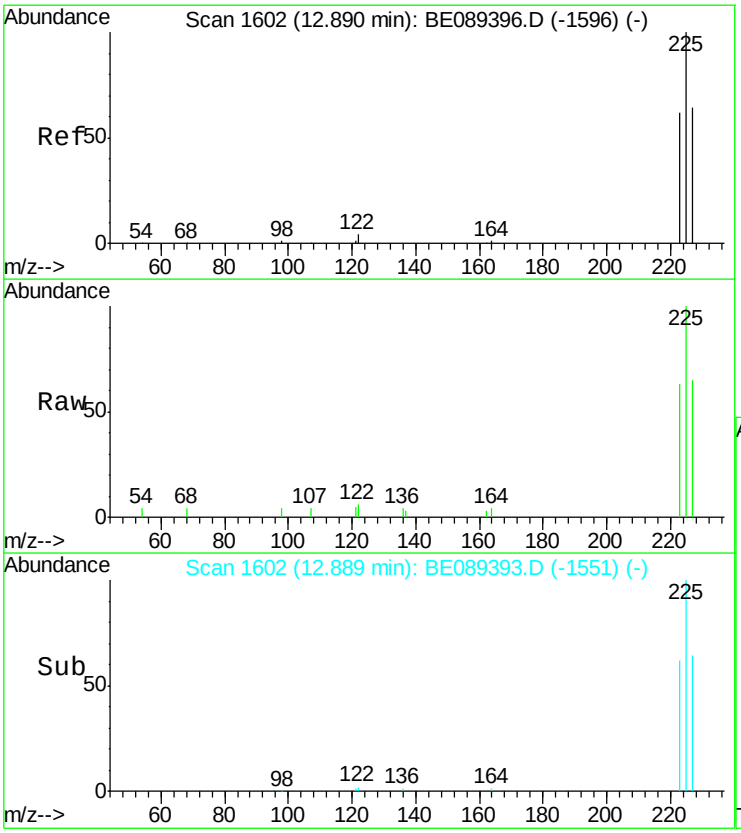

#11
2,4-Dichlorophenol
Concen: 0.18 ng
RT: 12.21 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:162 Resp: 3789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 66.5 | 44.6 | 84.6 |
| 98 | 32.4 | 8.7 | 48.7 |

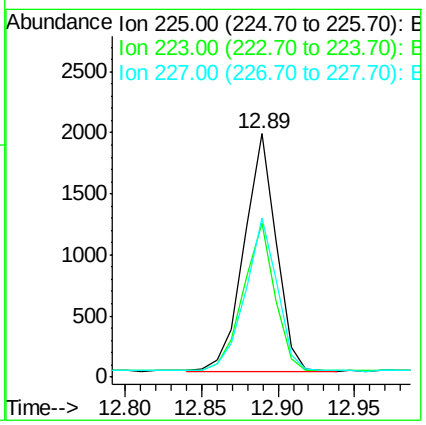


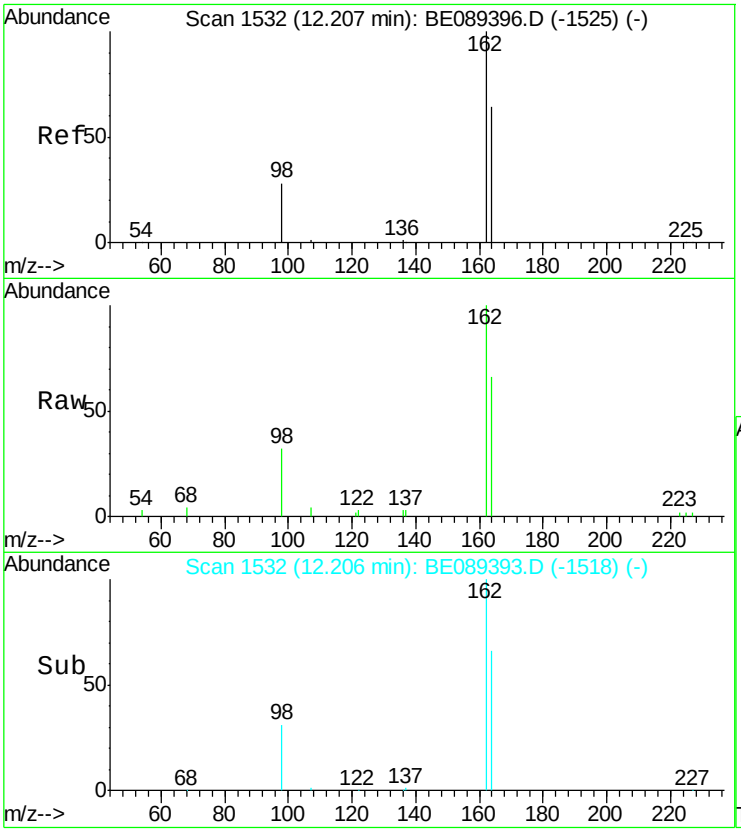




#12
Hexachlorobutadiene
Concen: 0.20 ng
RT: 12.89 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:225 Resp: 2841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.2 | 50.2 | 75.4 |
| 227 | 64.0 | 50.5 | 75.7 |



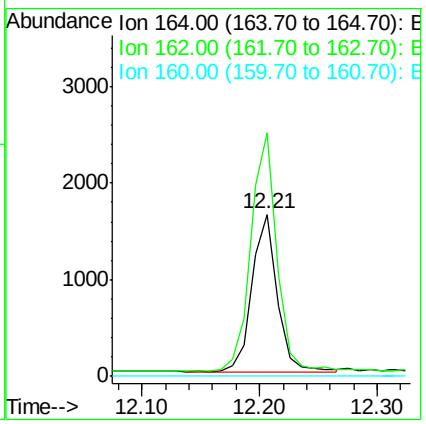


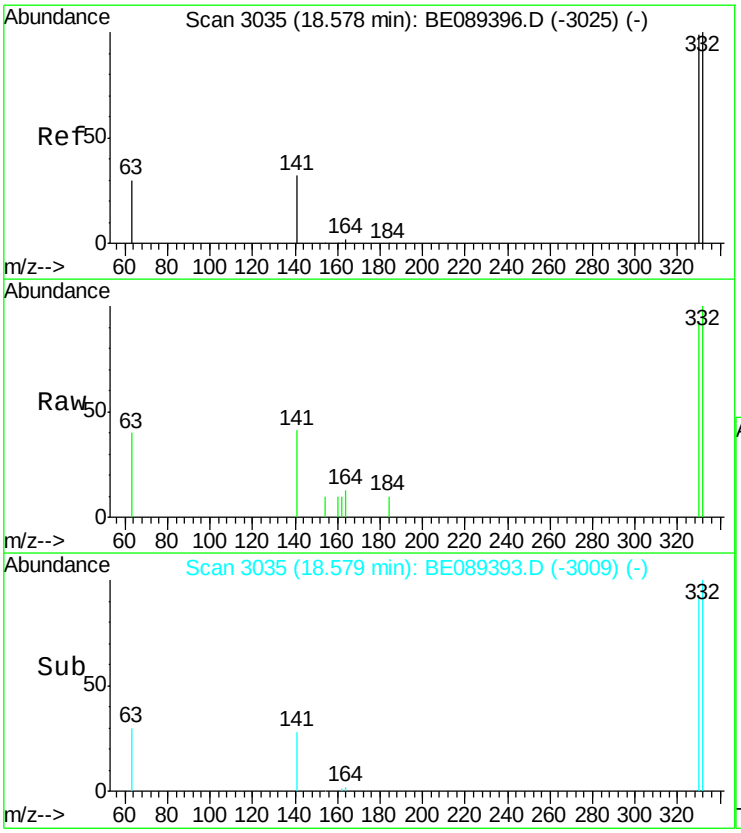

#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 12.21 min Scan# 1532
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:164 Resp: 2404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 150.4 | 123.9 | 185.9 |
| 160 | 0.0 | 0.0 | 0.0 |

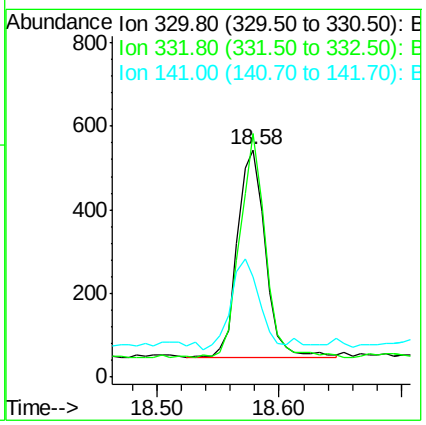


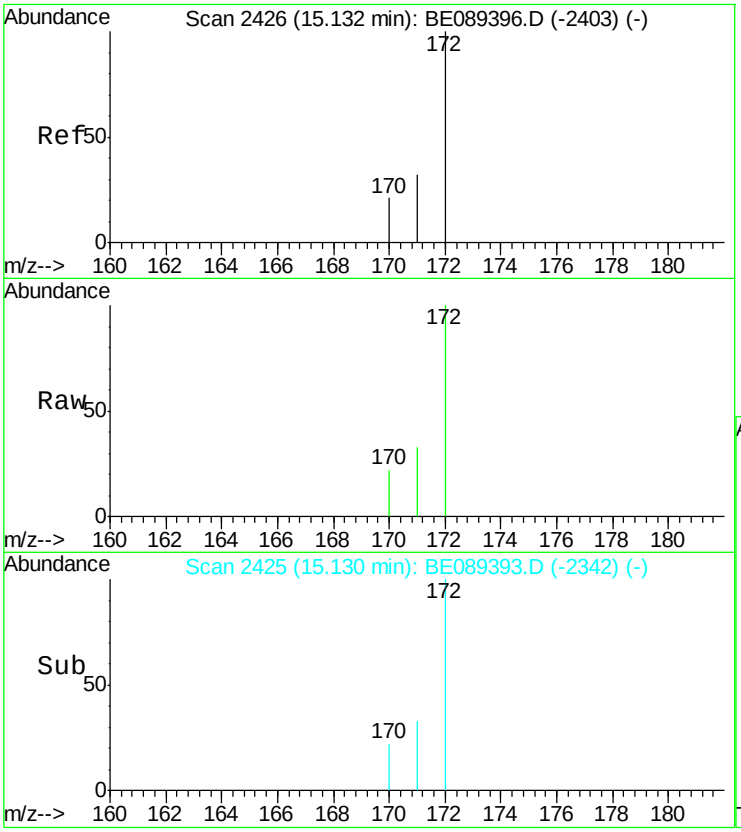




#14
2,4,6-Tribromophenol
Concen: 4.76 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:330 Resp: 806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.9 | 77.5 | 116.3 |
| 141 | 43.5 | 32.4 | 48.6 |



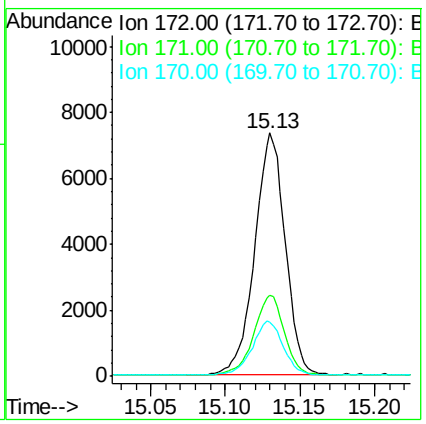


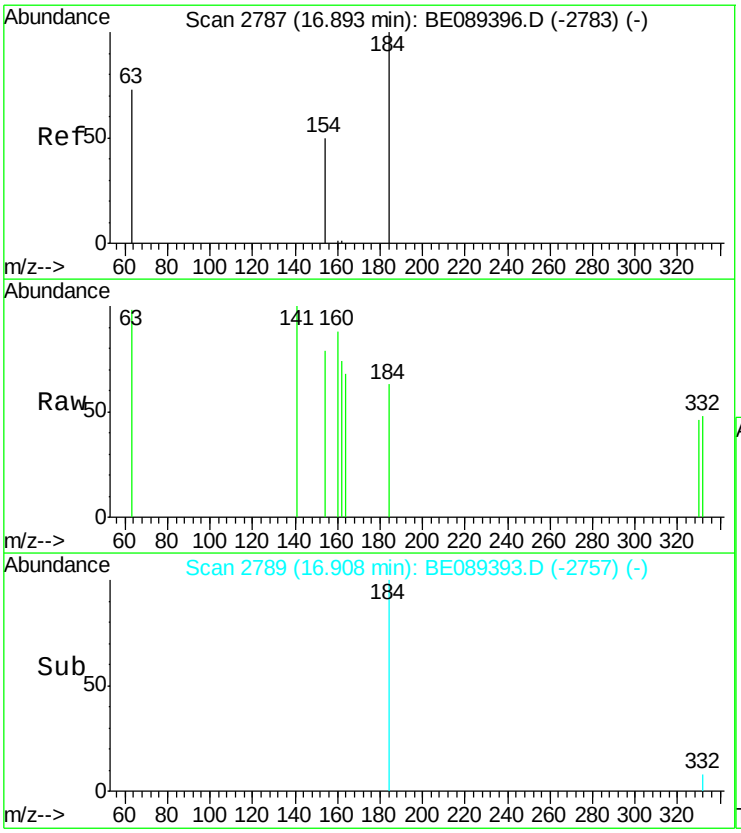

#15
2-Fluorobiphenyl
Concen: 4.45 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:172 Resp: 10298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.5 | 25.6 | 38.4 |
| 170 | 22.3 | 17.0 | 25.4 |

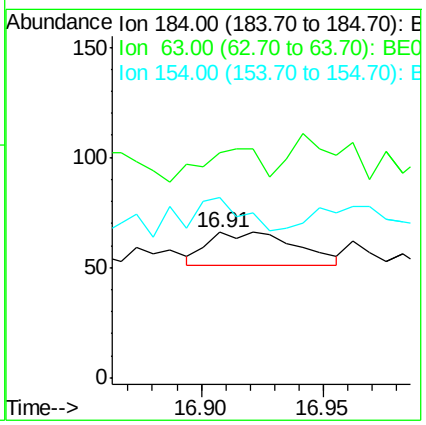


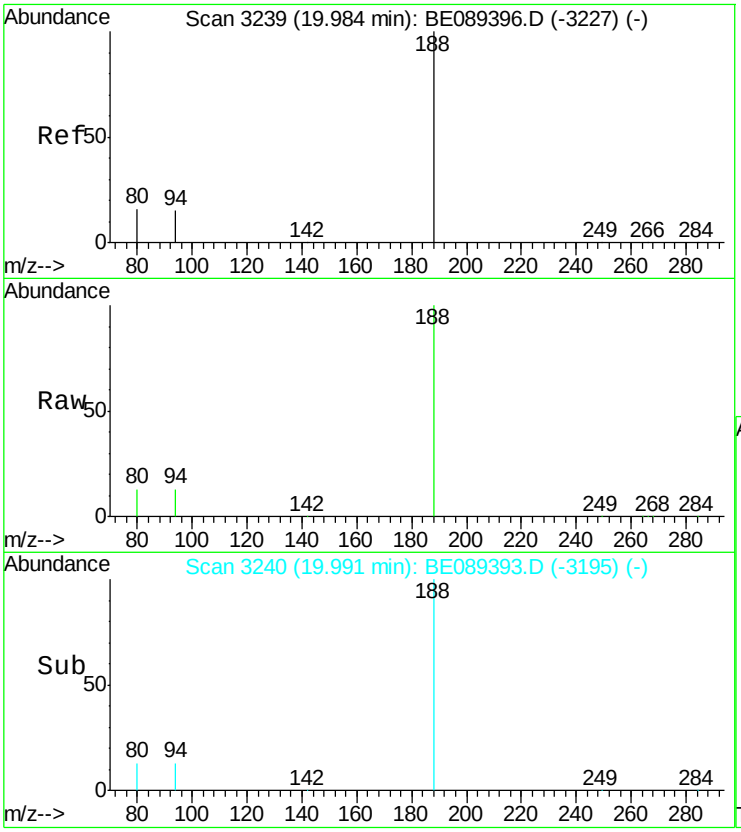




#16
2,4-Dinitrophenol
Concen: 0.77 ng
RT: 16.91 min Scan# 2789
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:184 Resp: 37

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 154.5 | 66.9 | 100.3# |
| 154 | 124.2 | 45.1 | 67.7# |



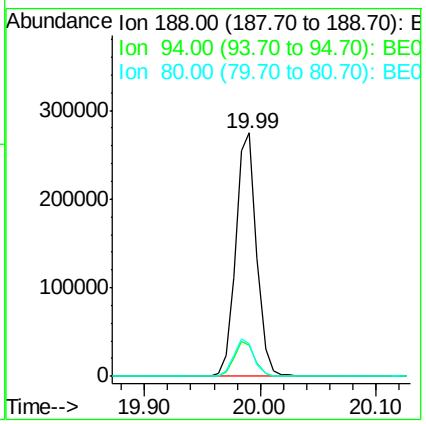


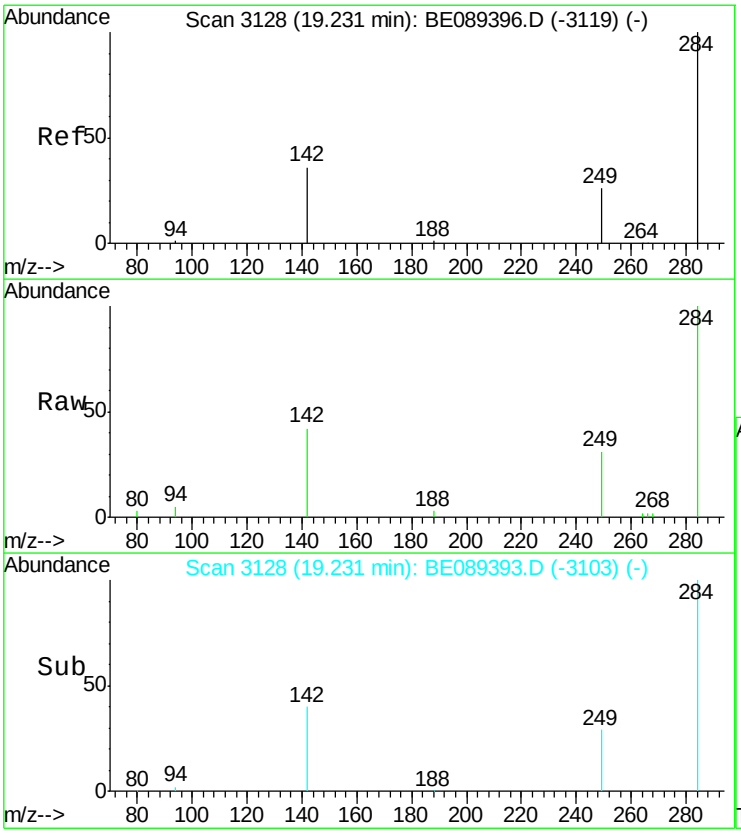

#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3240
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:188 Resp: 343303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.9 | 12.0 | 18.0 |
| 80 | 13.4 | 13.2 | 19.8 |

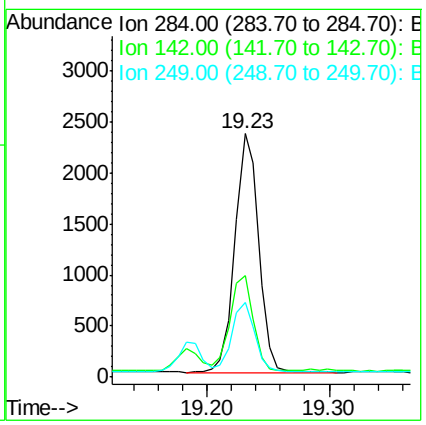


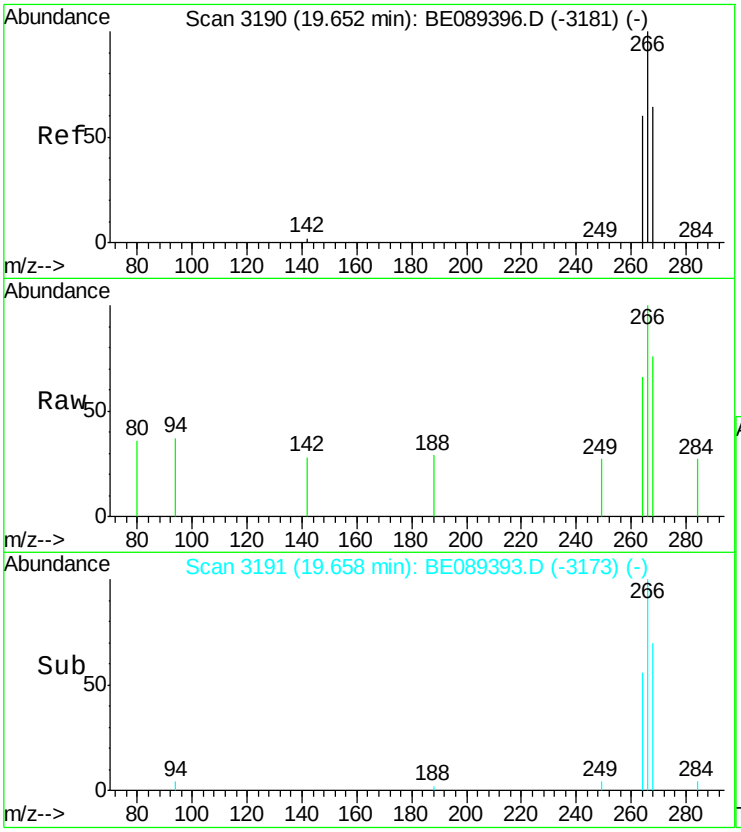




#18
Hexachlorobenzene
Concen: 0.18 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:284 Resp: 3127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 41.8 | 30.7 | 46.1 |
| 249 | 30.5 | 23.4 | 35.2 |



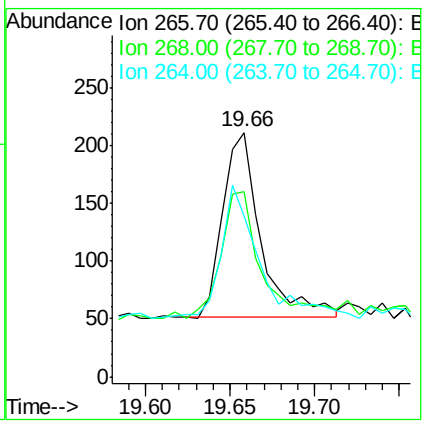


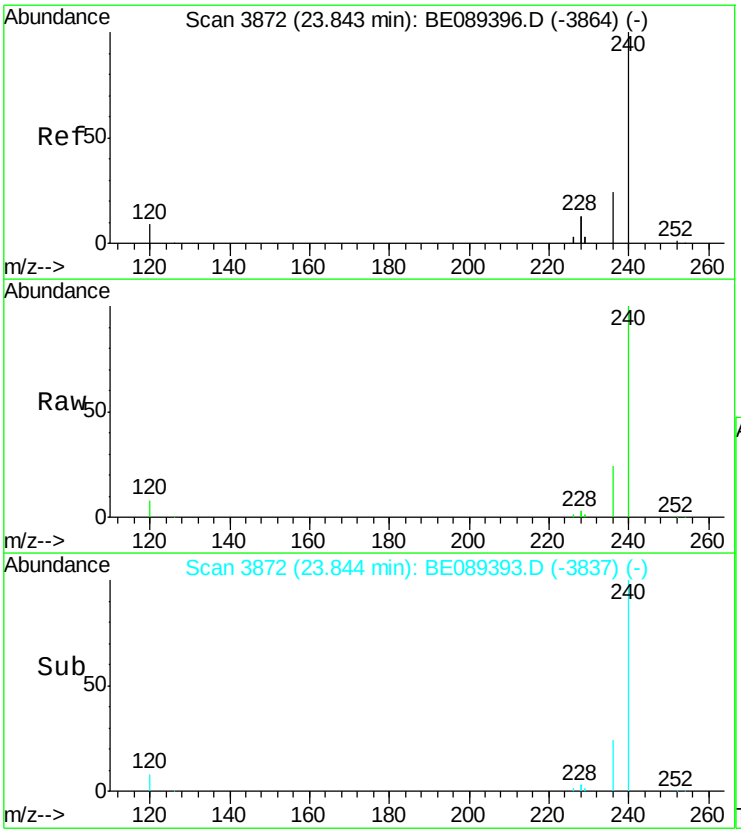

#19
Pentachlorophenol
Concen: 0.08 ng
RT: 19.66 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:266 Resp: 246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 75.8 | 52.5 | 78.7 |
| 264 | 65.9 | 48.8 | 73.2 |

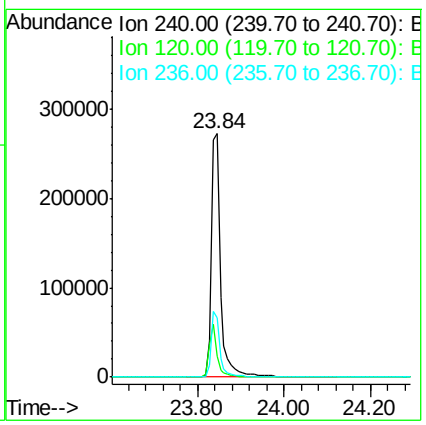


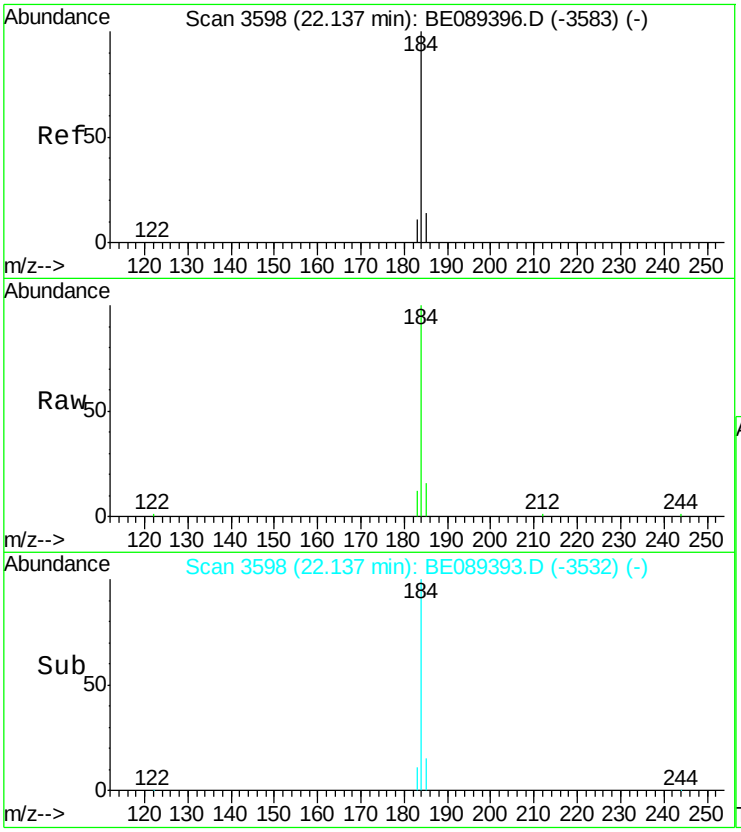




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3872
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:240 Resp: 408059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 7.1 | 10.7 |
| 236 | 24.2 | 19.5 | 29.3 |



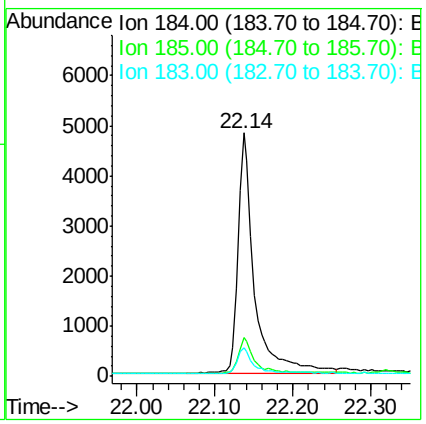


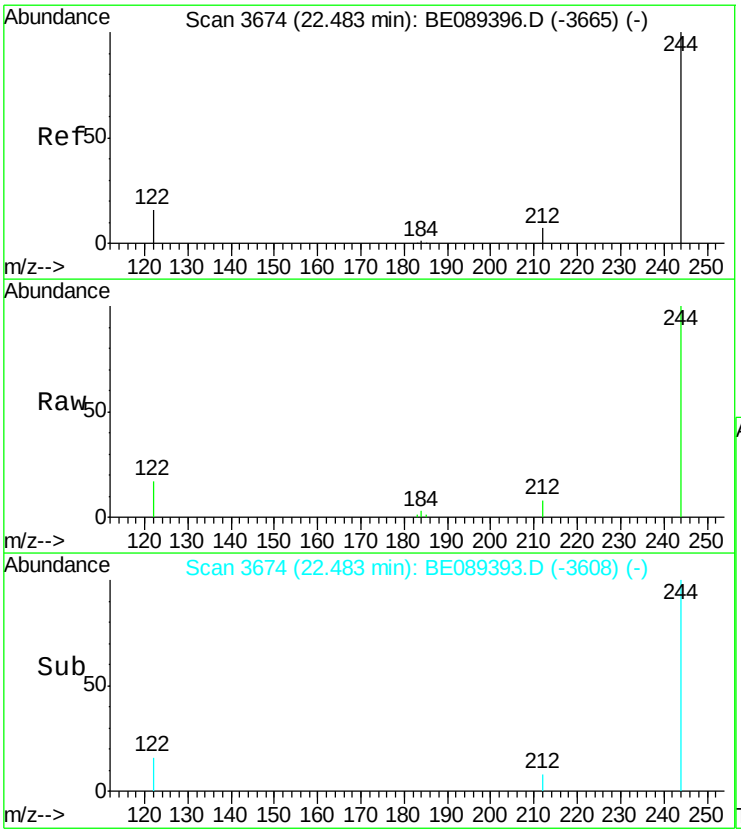

#21
Benzidine
Concen: 0.22 ng
RT: 22.14 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:184 Resp: 7074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.1 | 11.4 | 17.0 |
| 183 | 12.0 | 8.7 | 13.1 |

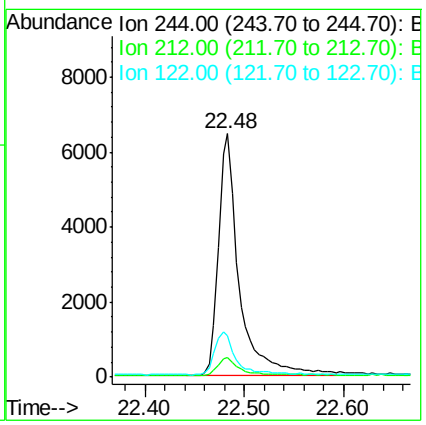


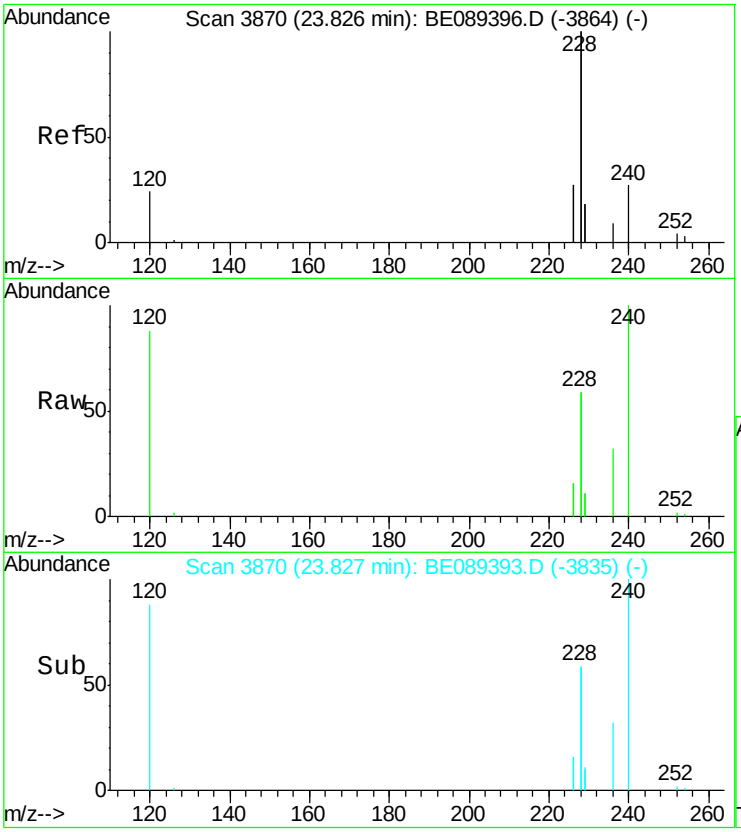




#22
Terphenyl-d14
Concen: 0.25 ng
RT: 22.48 min Scan# 3674
Delta R.T. -0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:244 Resp: 9244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 5.9 | 8.9 |
| 122 | 17.1 | 12.8 | 19.2 |



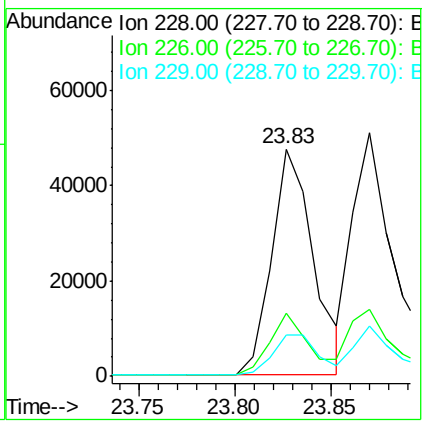


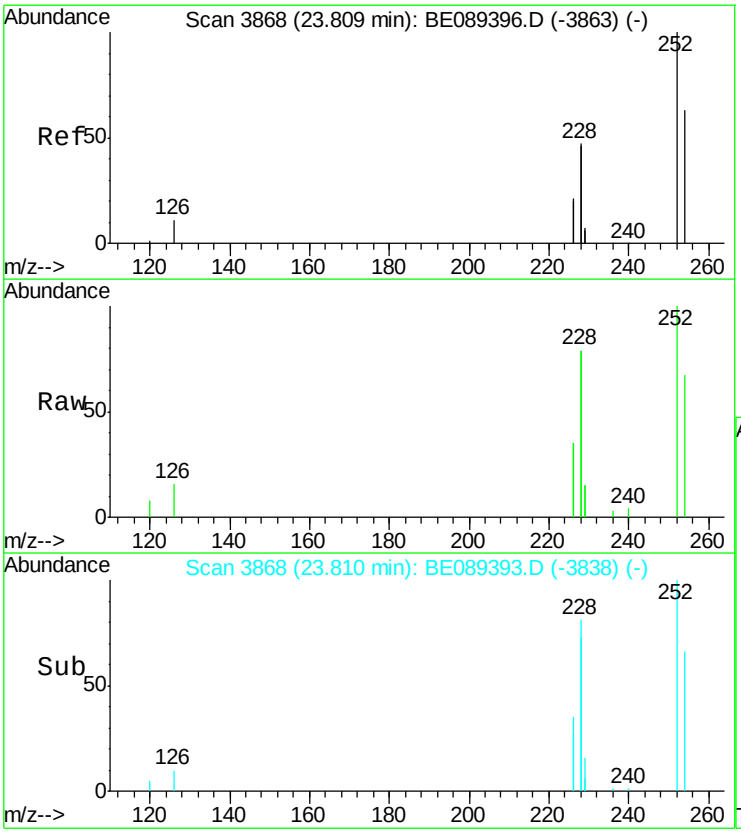

#23
Benzo(a)anthracene
Concen: 0.25 ng
RT: 23.83 min Scan# 3870
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:228 Resp: 71601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.7 | 21.8 | 32.6 |
| 229 | 18.5 | 14.5 | 21.7 |

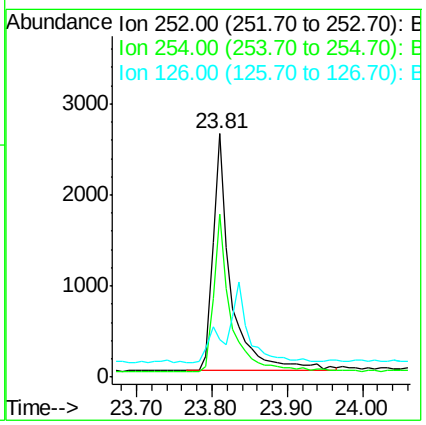


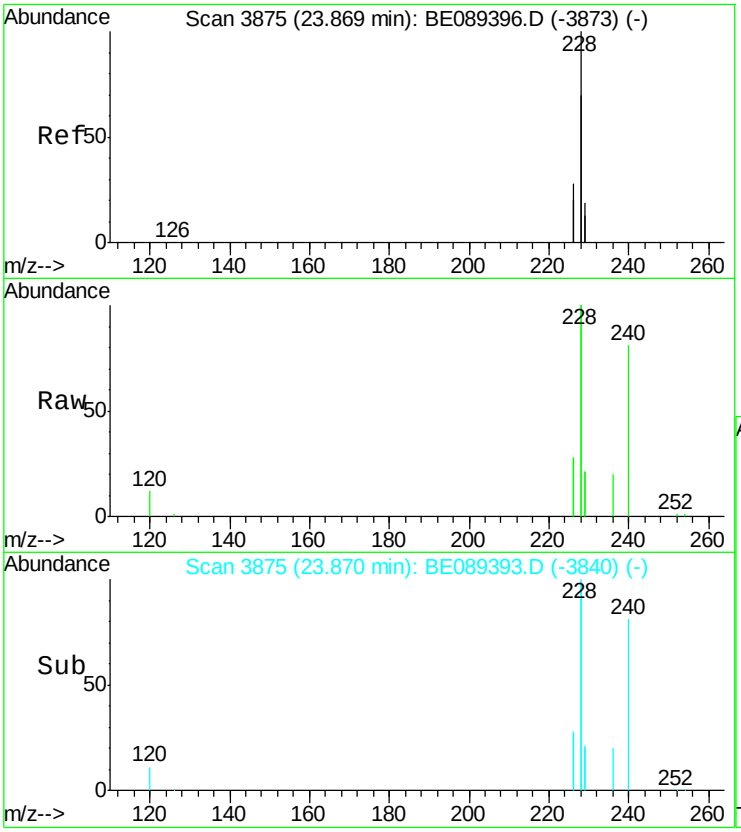




#24
3,3'-Dichlorobenzidine
Concen: 0.17 ng
RT: 23.81 min Scan# 3868
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:252 Resp: 4282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 66.8 | 50.2 | 75.4 |
| 126 | 15.6 | 9.8 | 14.6# |



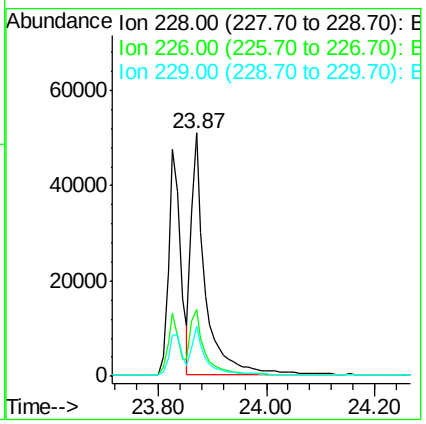


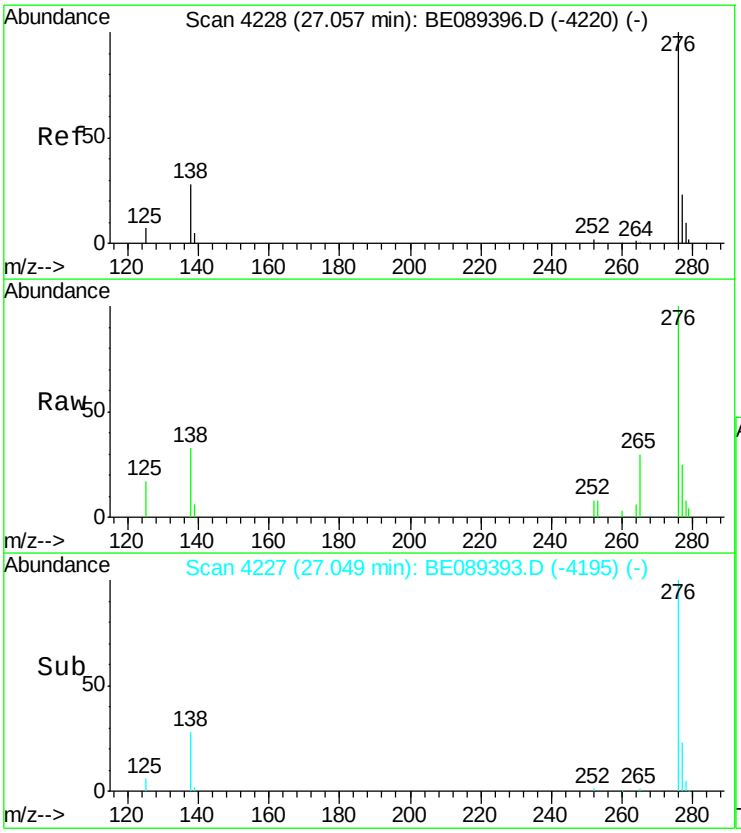

#25
Chrysene
Concen: 0.20 ng
RT: 23.87 min Scan# 3875
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:228 Resp: 92130

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 22.7 | 34.1 |
| 229 | 20.5 | 15.2 | 22.8 |

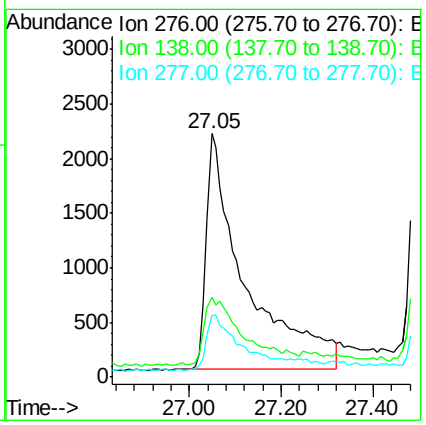


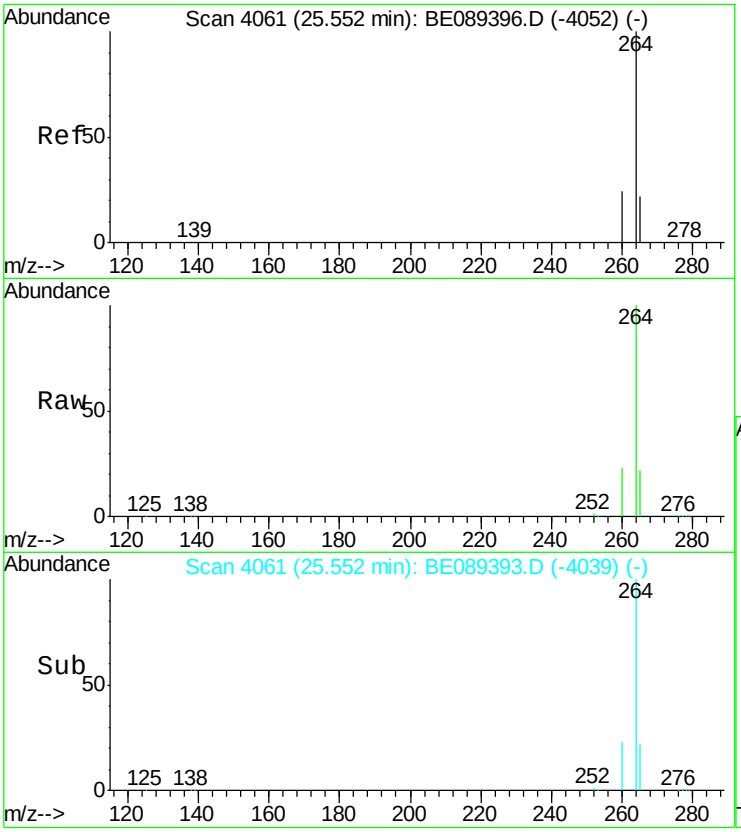




#26
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 27.05 min Scan# 4227
Delta R.T. -0.01 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:276 Resp: 12629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.0 | 0.0 | 0.0# |
| 277 | 24.9 | 0.0 | 0.0# |



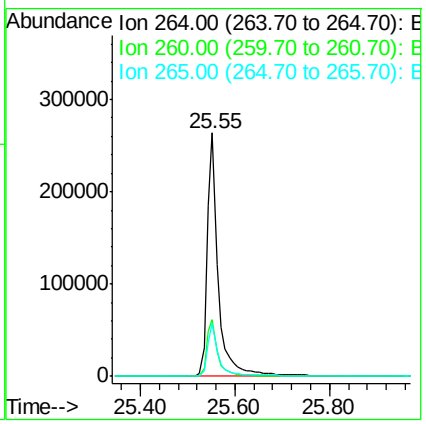


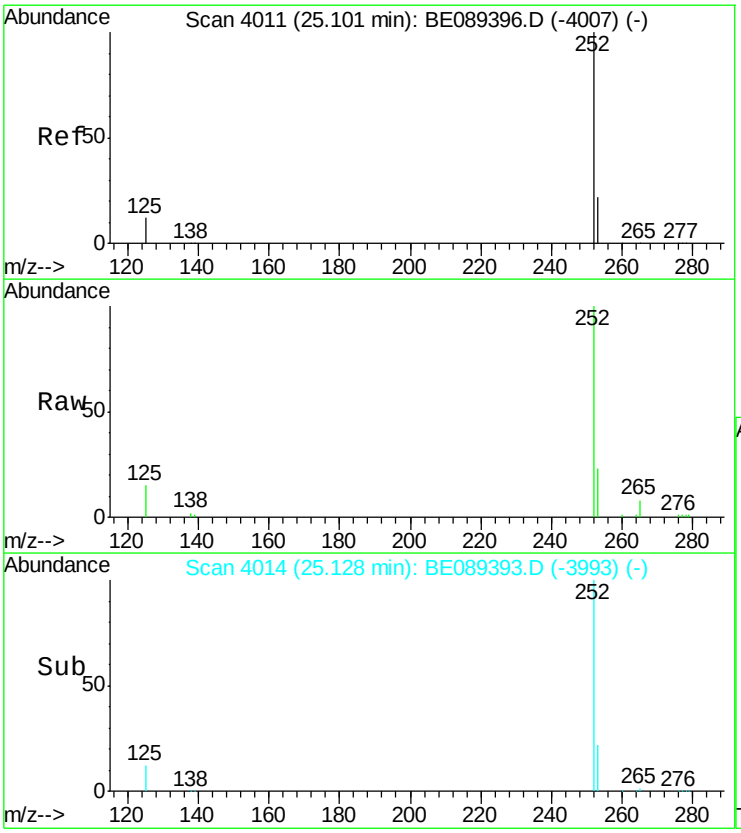

#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4061
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:264 Resp: 425052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.9 | 28.3 |
| 265 | 21.9 | 17.5 | 26.3 |

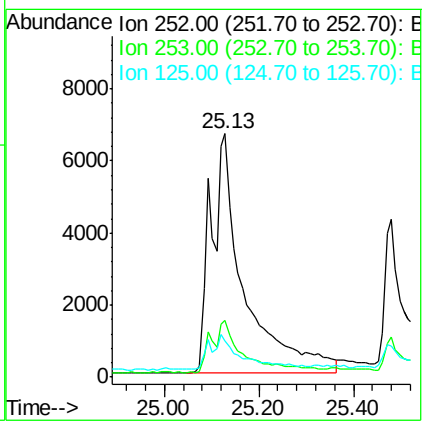


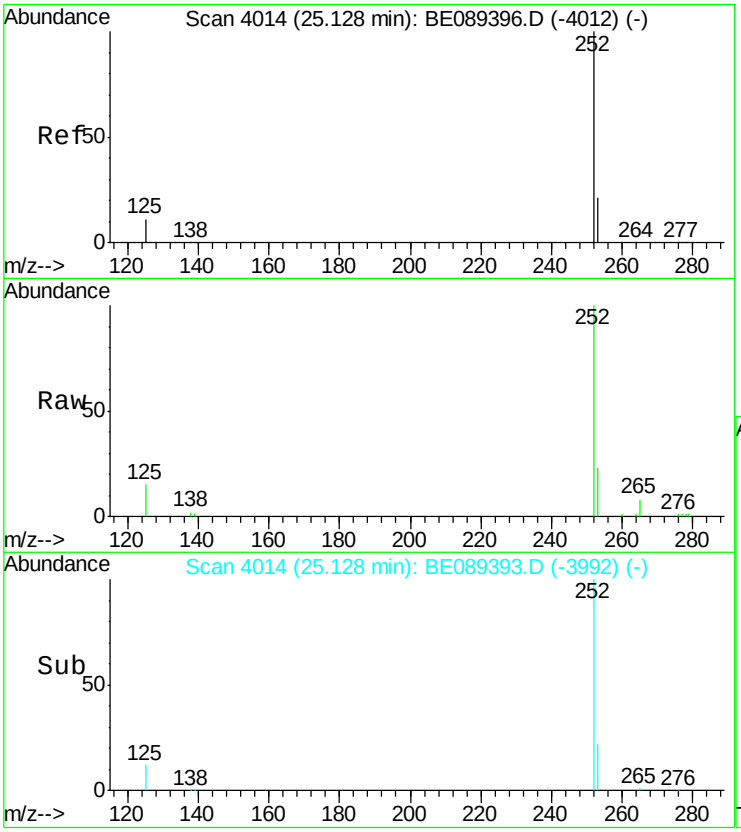




#28
Benzo(b)fluoranthene
Concen: 1.12 ng
RT: 25.13 min Scan# 4014
Delta R.T. 0.03 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:252 Resp: 32269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.6 | 26.4 |
| 125 | 14.9 | 9.8 | 14.6# |



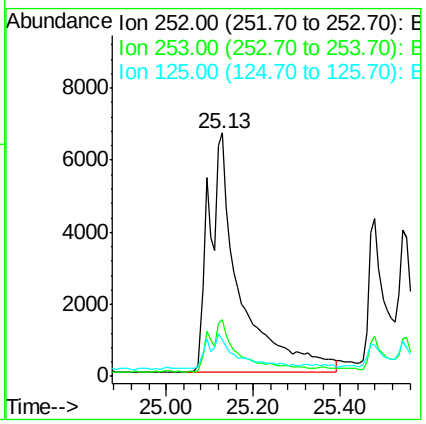


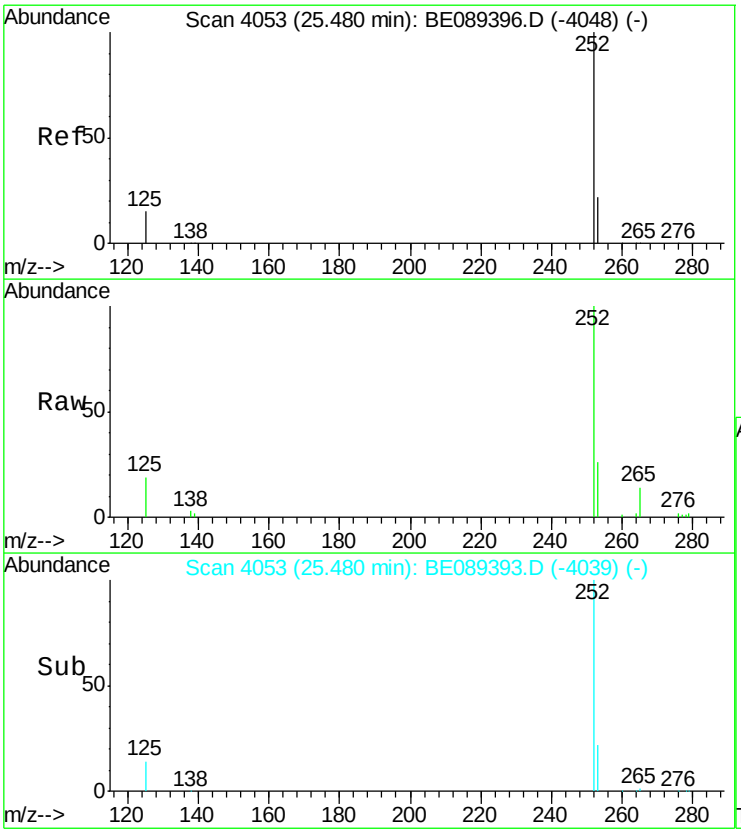

#29
Benzo(k)fluoranthene
Concen: 0.50 ng
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:252 Resp: 32827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.3 | 25.9 |
| 125 | 14.9 | 10.2 | 15.4 |

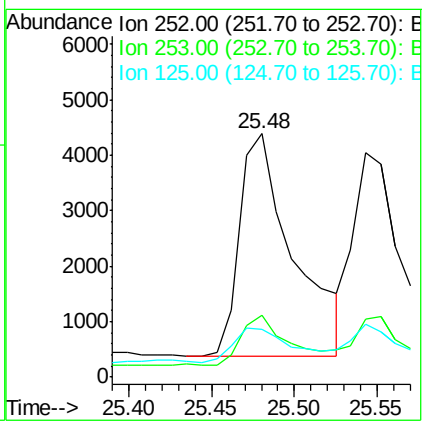


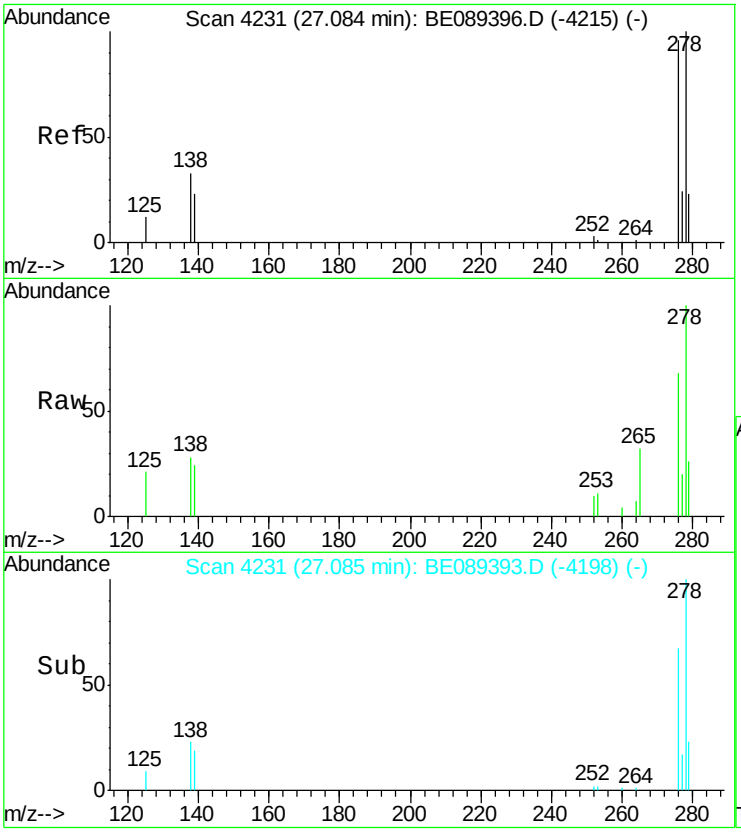




#30
Benzo(a)pyrene
Concen: 0.24 ng
RT: 25.48 min Scan# 4053
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

Tgt Ion:252 Resp: 9022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 17.5 | 26.3 |
| 125 | 19.4 | 12.2 | 18.4# |






#31
Dibenzo(a,h)anthracene
Concen: 0.26 ng
RT: 27.08 min Scan# 4231
Delta R.T. 0.00 min
Lab File: BE089393.D
Acq: 28 Jan 2015 17:56

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC0.2

Tgt Ion:278 Resp: 7983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.8 | 18.5 | 27.7 |
| 279 | 26.1 | 18.6 | 28.0 |