Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
Data File : BE089414.D
Acq On : 29 Jan 2015 13:58
Operator : TP/IZ
Sample : SSTDICC002
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_E
**LabSampleId :** SSTDICC002

Quant Time: Jan 30 02:45:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 30 02:34:28 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.58 | 152 | 119016 | 5.00 | ng | | 0.00 |
| 7) Naphthalene-d8 | 12.50 | 136 | 438711 | 5.00 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 16.68 | 164 | 166556 | 5.00 | ng | | 0.00 |
| 17) Phenanthrene-d10 | 19.99 | 188 | 331190 | 5.00 | ng | | 0.00 |
| 20) Chrysene-d12 | 23.84 | 240 | 451988 | 5.00 | ng | | 0.00 |
| 27) Perylene-d12 | 25.55 | 264 | 463111 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 6.73 | 112 | 92519 | 2.42 | ng | | 0.00 |
| 4) Phenol-d6 | 8.85 | 99 | 109117 | 2.34 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 10.84 | 82 | 75215 | 2.38 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 18.58 | 330 | 10081 | 2.60 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 15.13 | 172 | 98192 | 1.95 | ng | | 0.00 |
| 22) Terphenyl-d14 | 22.48 | 244 | 116752 | 2.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) n-Nitrosodimethylamine | 3.57 | 42 | 54783 | 2.70 | ng | # | 84 |
| 5) Phenol | 8.87 | 94 | 120326 | 2.42 | ng | | 99 |
| 6) bis(2-Chloroethyl)ether | 9.06 | 93 | 89431 | 2.42 | ng | # | 99 |
| 9) Nitrobenzene | 10.88 | 77 | 86524 | 2.43 | ng | | 100 |
| 10) 2,4-Dimethylphenol | 11.82 | 122 | 60706 | 2.26 | ng | | 99 |
| 11) 2,4-Dichlorophenol | 12.21 | 162 | 42856 | 2.09 | ng | | 97 |
| 12) Hexachlorobutadiene | 12.89 | 225 | 27984 | 1.93 | ng | | 99 |
| 16) 2,4-Dinitrophenol | 16.89 | 184 | 2536 | 2.25 | ng | | 95 |
| 18) Hexachlorobenzene | 19.23 | 284 | 33607 | 2.18 | ng | | 94 |
| 19) Pentachlorophenol | 19.65 | 266 | 7338 | 2.48 | ng | | 95 |
| 21) Benzidine | 22.14 | 184 | 66864 | 1.83 | ng | | 98 |
| 23) Benzo(a)anthracene | 23.83 | 228 | 721409 | 1.76 | ng | | 99 |
| 24) 3,3'-Dichlorobenzidine | 23.81 | 252 | 61543 | 1.88 | ng | | 98 |
| 25) Chrysene | 23.87 | 228 | 991110 | 1.96 | ng | | 98 |
| 26) Indeno(1,2,3-cd)pyrene | 27.08 | 276 | 187338 | 1.60 | ng | # | 100 |
| 28) Benzo(b)fluoranthene | 25.13 | 252 | 420984 | 7.17 | ng | | 100 |
| 29) Benzo(k)fluoranthene | 25.13 | 252 | 424953 | 3.20 | ng | | 99 |
| 30) Benzo(a)pyrene | 25.48 | 252 | 133813 | 1.88 | ng | | 99 |
| 31) Dibenzo(a,h)anthracene | 27.09 | 278 | 138856 | 1.91 | ng | | 96 |

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

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
Data File : BE089414.D
Acq On : 29 Jan 2015 13:58
Operator : TP/IZ
Sample : SSTDICC002
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Quant Time: Jan 30 02:45:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 30 02:34:28 2015
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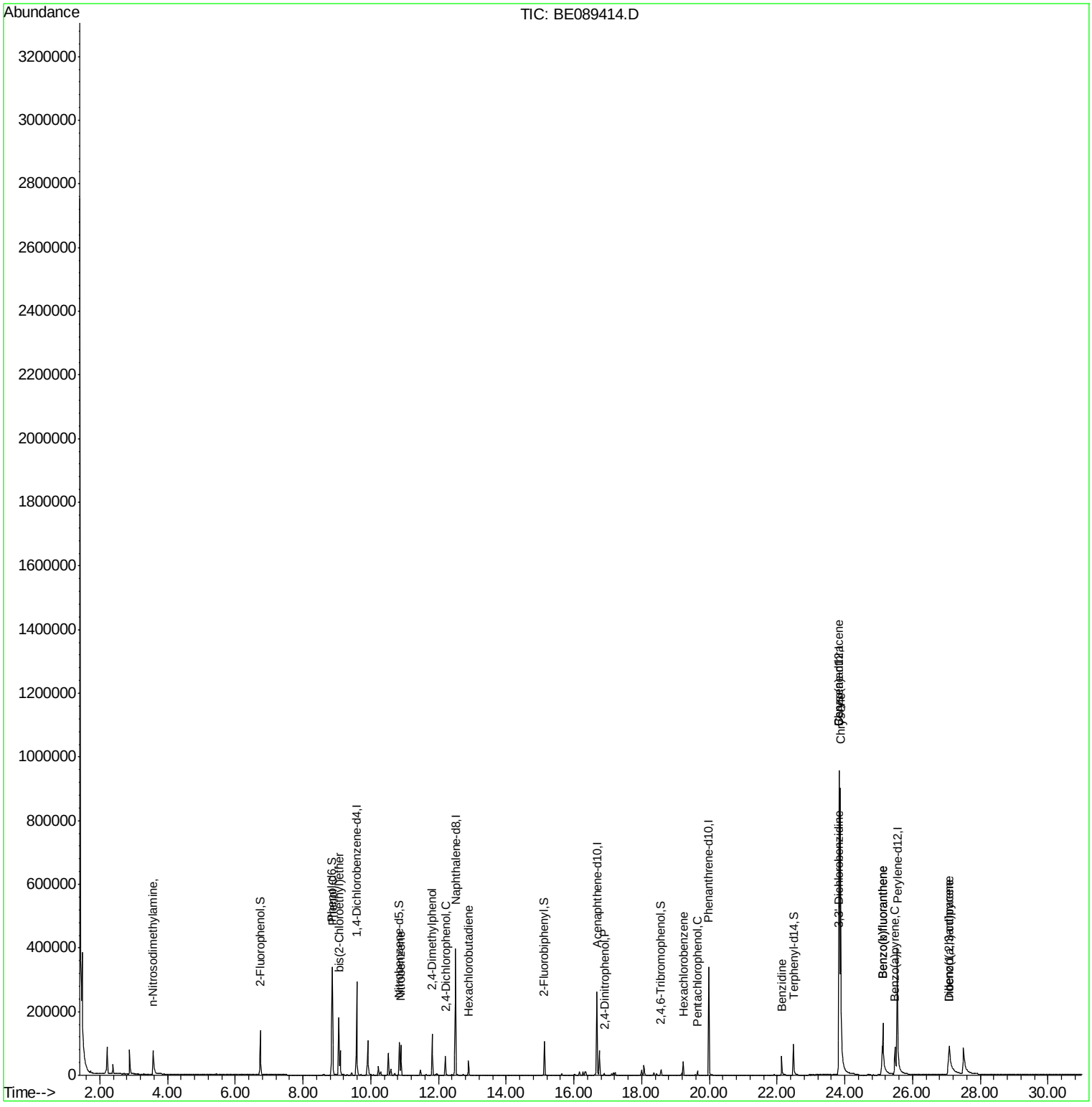
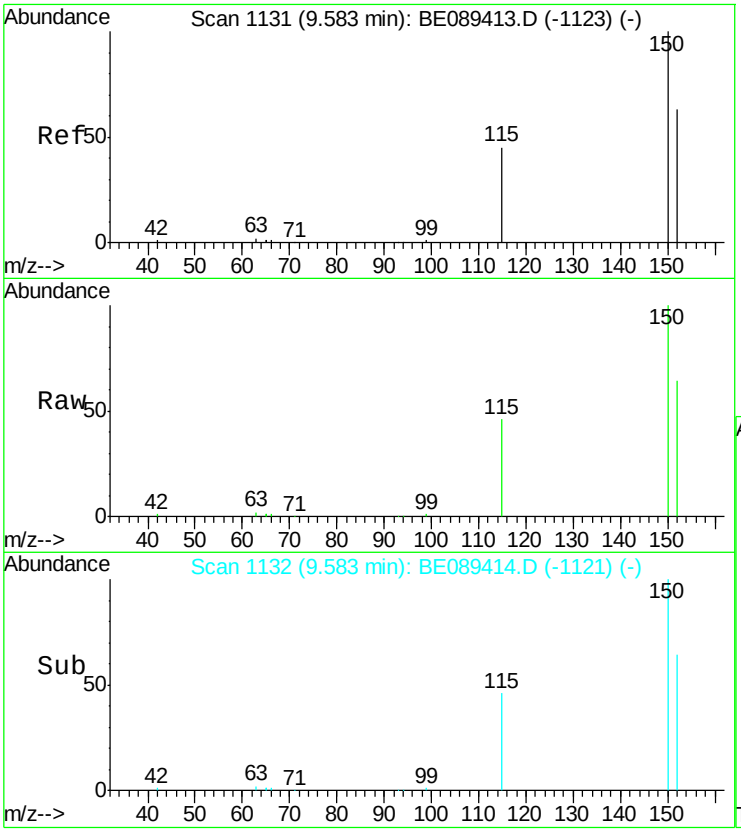


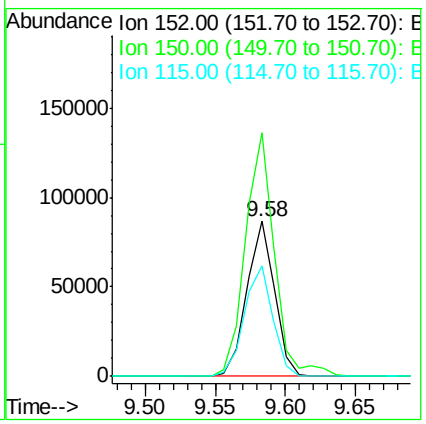


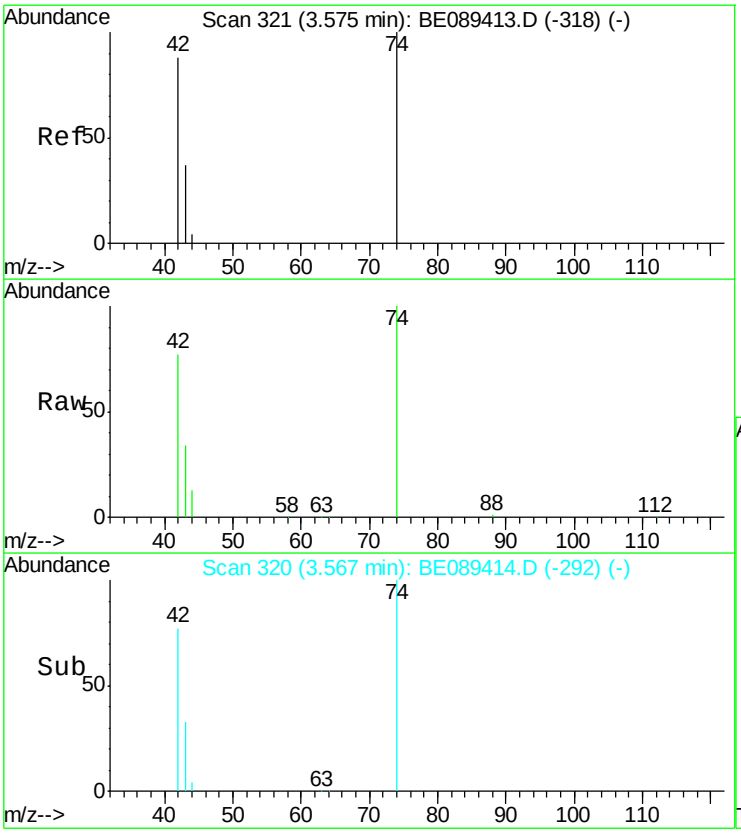

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.58 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:152 Resp: 119016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.0 | 126.1 | 189.1 |
| 115 | 71.7 | 57.1 | 85.7 |

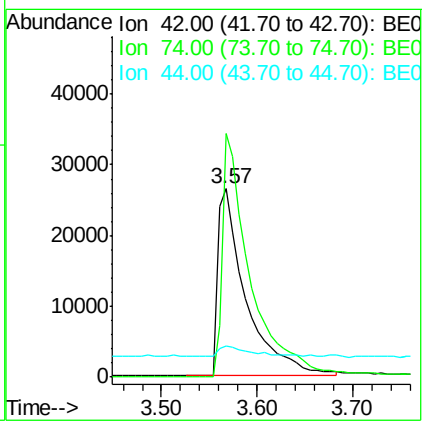


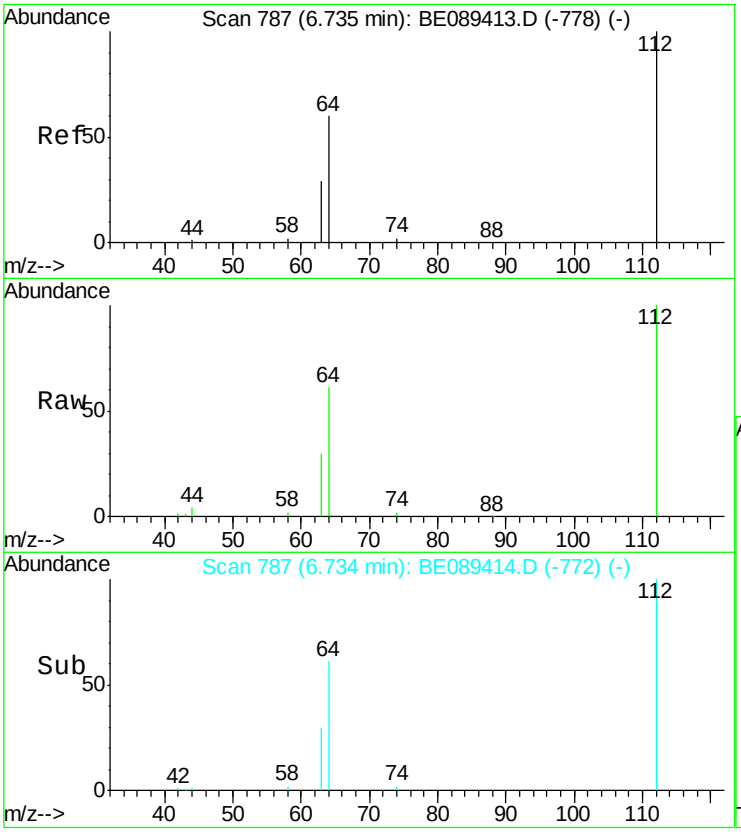




#2
n-Nitrosodimethylamine
Concen: 2.70 ng
RT: 3.57 min Scan# 320
Delta R.T. -0.01 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion: 42 Resp: 54783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 129.5 | 90.2 | 135.2 |
| 44 | 16.8 | 19.4 | 29.2# |



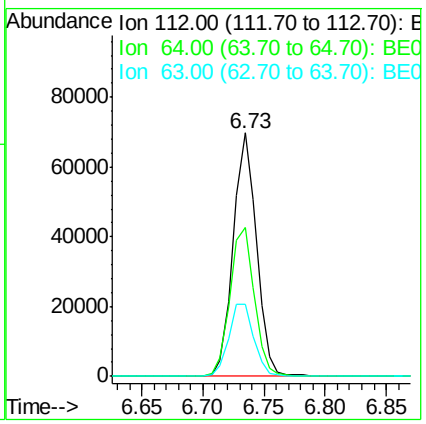


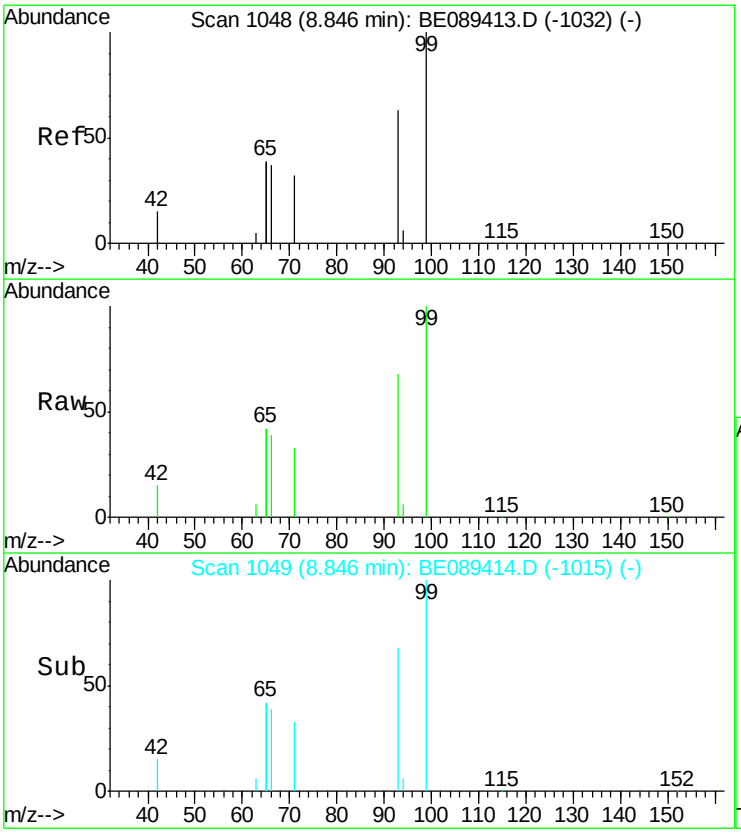

#3
2-Fluorophenol
Concen: 2.42 ng
RT: 6.73 min Scan# 787
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:112 Resp: 92519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.1 | 48.2 | 72.4 |
| 63 | 29.8 | 23.5 | 35.3 |

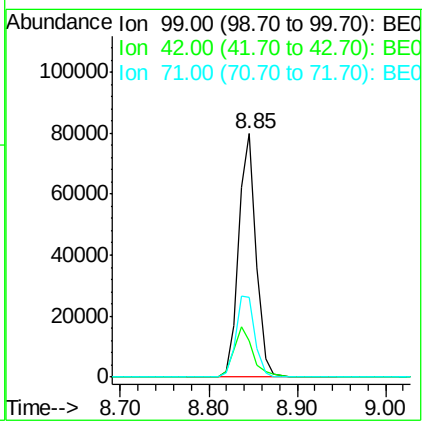


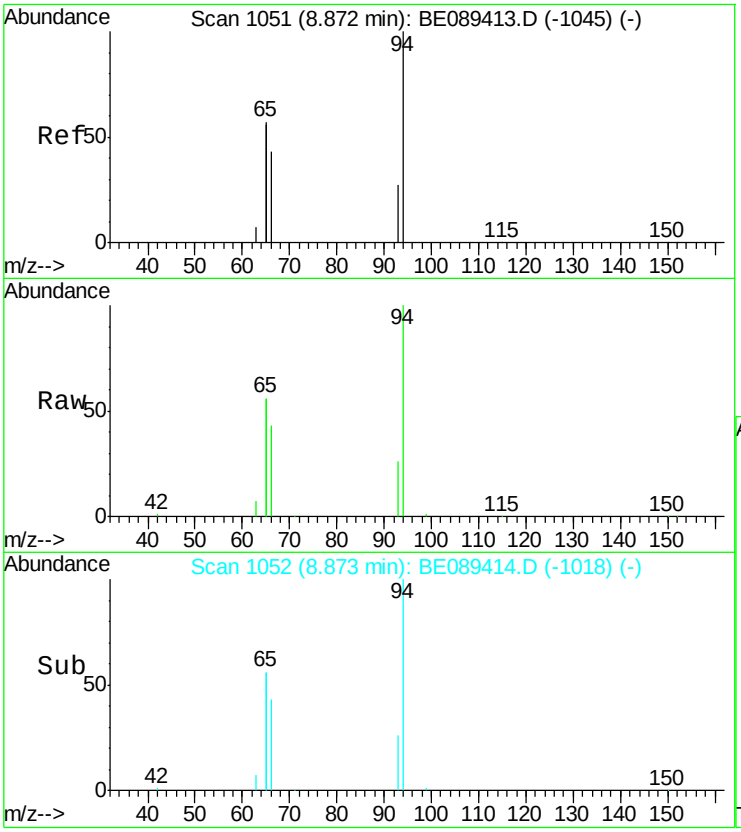




#4
Phenol-d6
Concen: 2.34 ng
RT: 8.85 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion: 99 Resp: 109117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.0 | 11.9 | 17.9 |
| 71 | 32.7 | 25.8 | 38.6 |



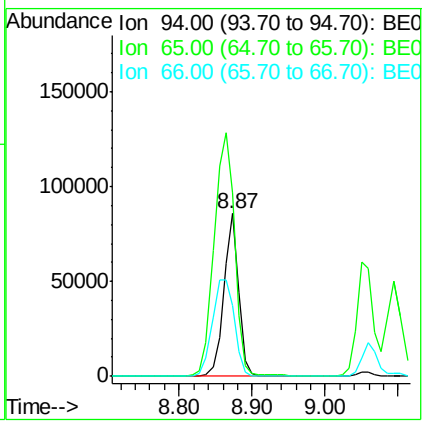


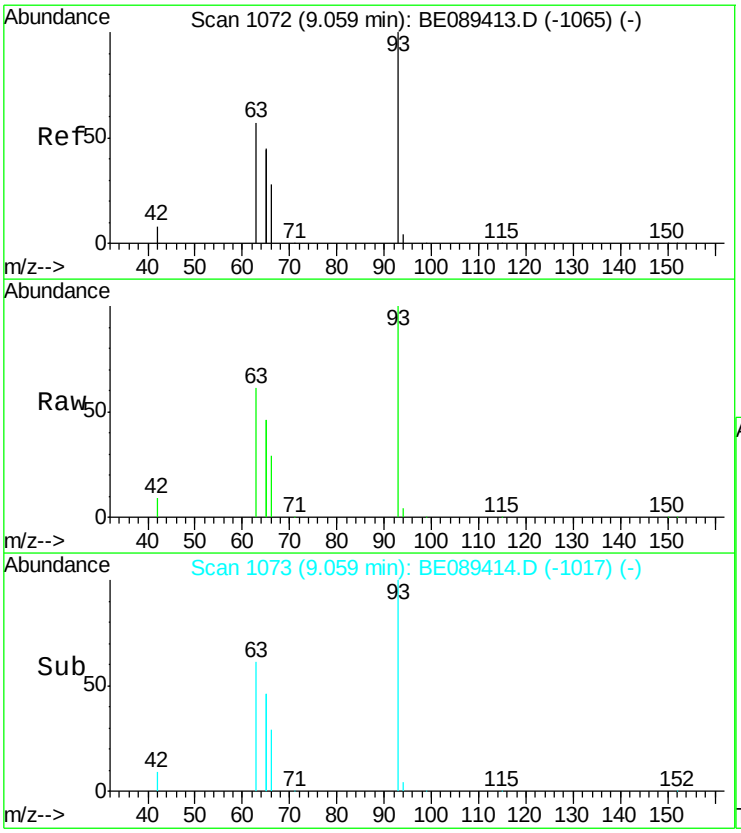

#5
Phenol
Concen: 2.42 ng
RT: 8.87 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion: 94 Resp: 120326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 112.4 | 93.3 | 133.3 |
| 66 | 43.3 | 23.6 | 63.6 |

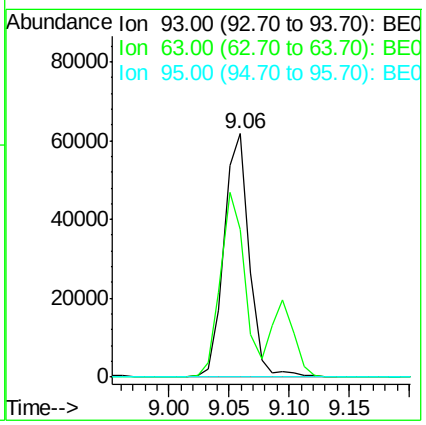


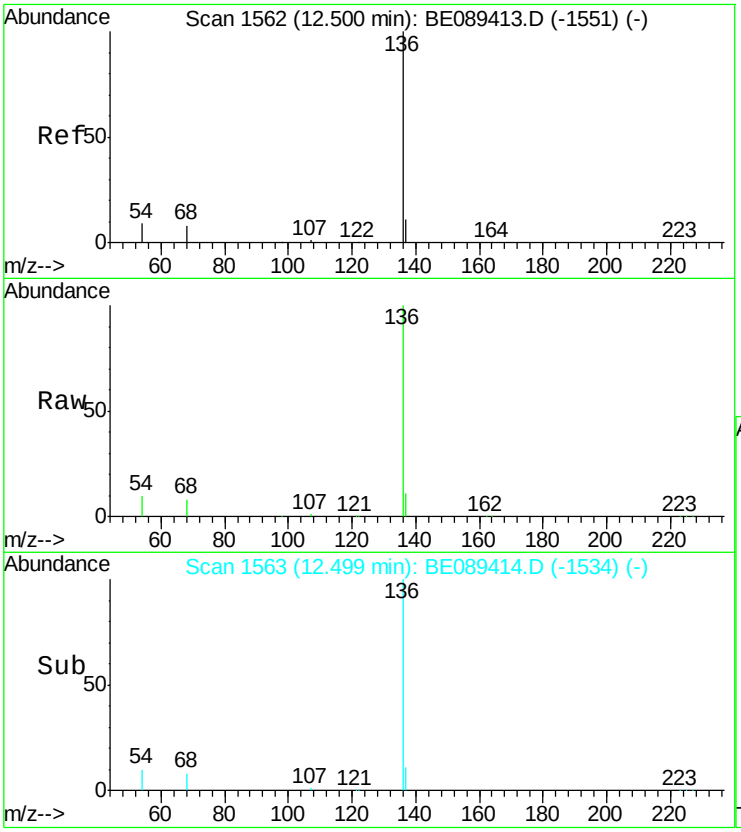




#6
bis(2-Chloroethyl)ether
Concen: 2.42 ng
RT: 9.06 min Scan# 1073
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion: 93 Resp: 89431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.5 | 58.6 | 88.0 |
| 95 | 0.0 | 0.0 | 0.0 |



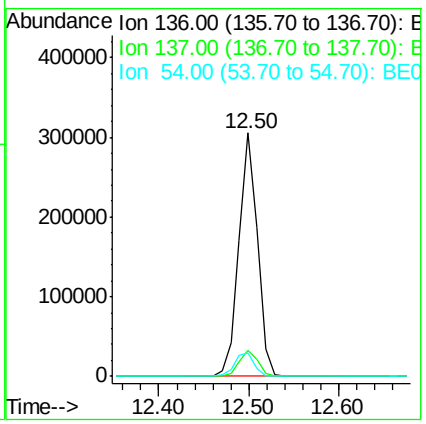


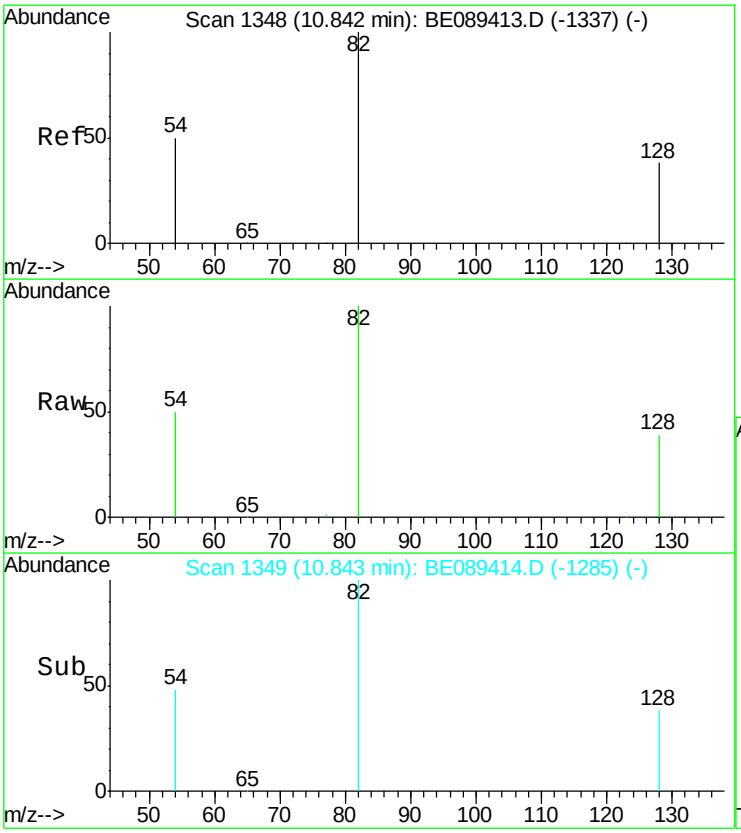

#7
Naphthalene-d8
Concen: 5.00 ng
RT: 12.50 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:136 Resp: 438711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 12.8 |
| 54 | 9.8 | 7.5 | 11.3 |

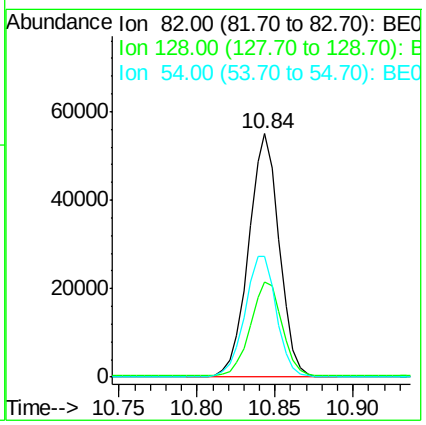


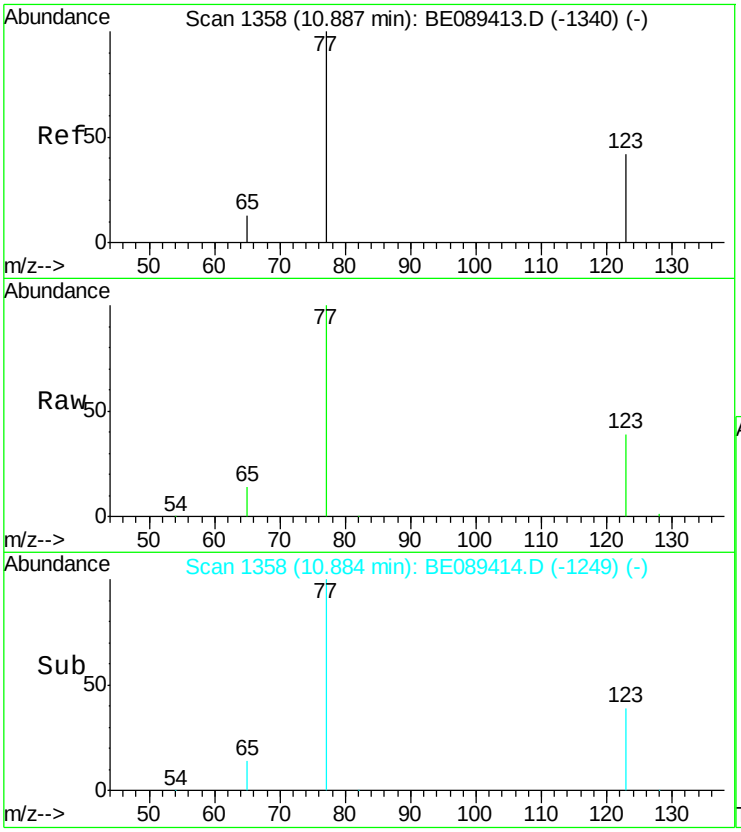




#8
Nitrobenzene-d5
Concen: 2.38 ng
RT: 10.84 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion: 82 Resp: 75215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.0 | 31.0 | 46.4 |
| 54 | 49.6 | 39.8 | 59.6 |



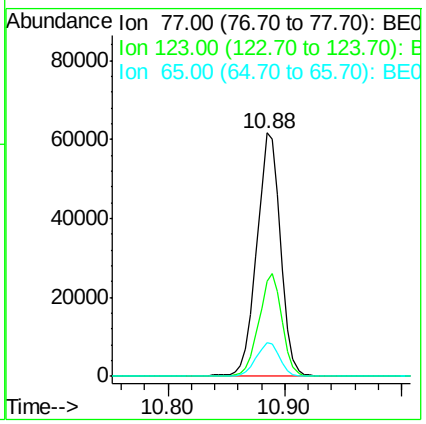


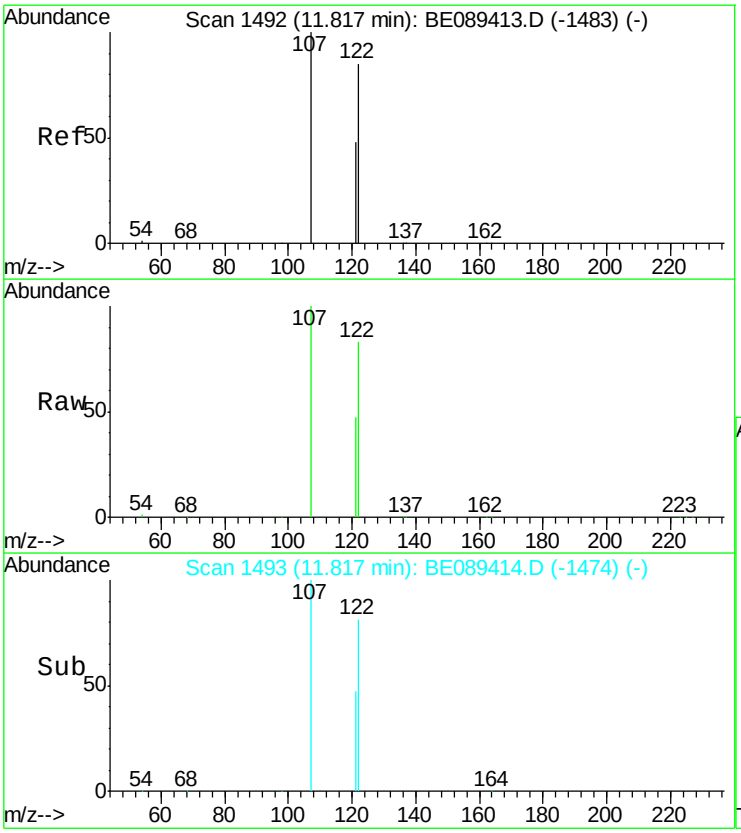

#9
Nitrobenzene
Concen: 2.43 ng
RT: 10.88 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion: 77 Resp: 86524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 41.3 | 32.8 | 49.2 |
| 65 | 13.9 | 11.0 | 16.6 |

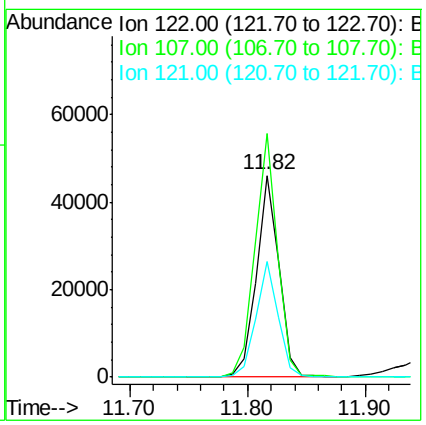


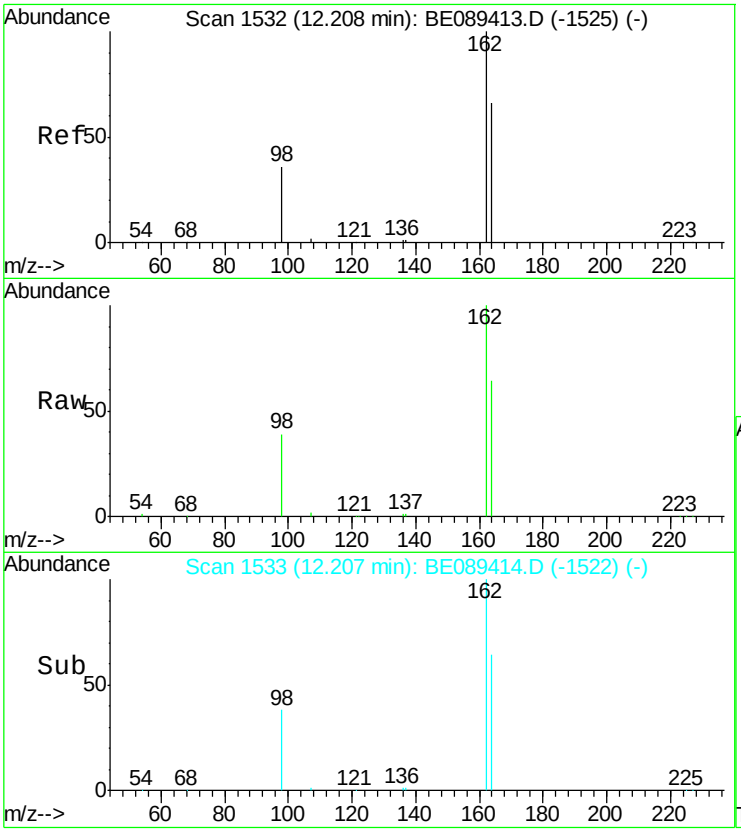




#10
2,4-Dimethylphenol
Concen: 2.26 ng
RT: 11.82 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:122 Resp: 60706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 120.6 | 94.6 | 142.0 |
| 121 | 57.0 | 45.8 | 68.6 |



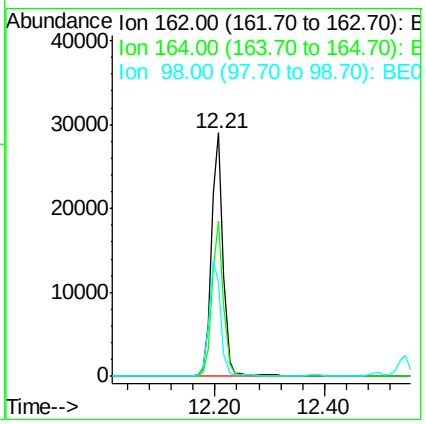


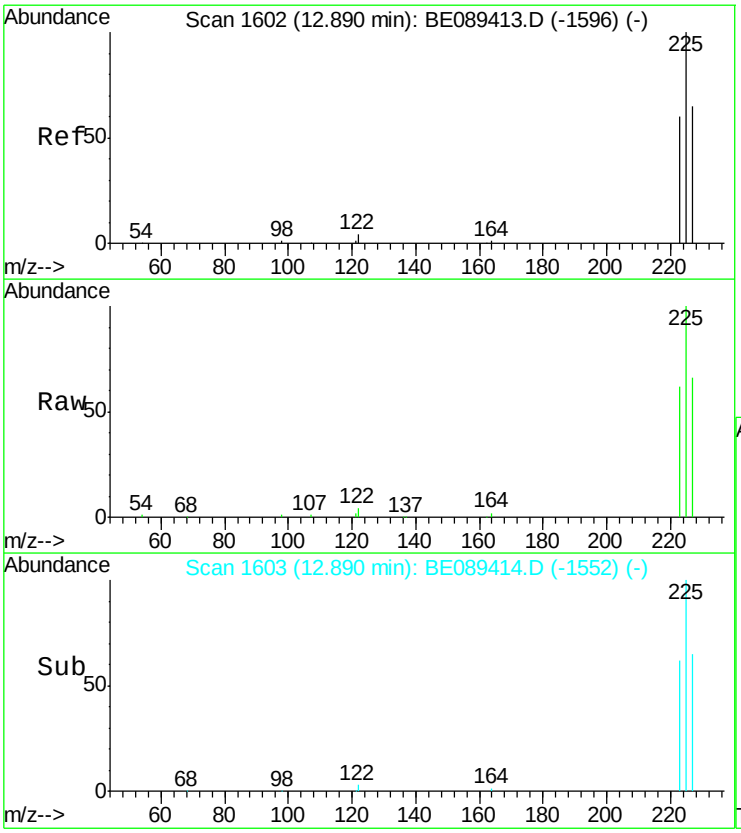

#11
2,4-Dichlorophenol
Concen: 2.09 ng
RT: 12.21 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:162 Resp: 42856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 64.0 | 46.1 | 86.1 |
| 98 | 38.6 | 16.2 | 56.2 |

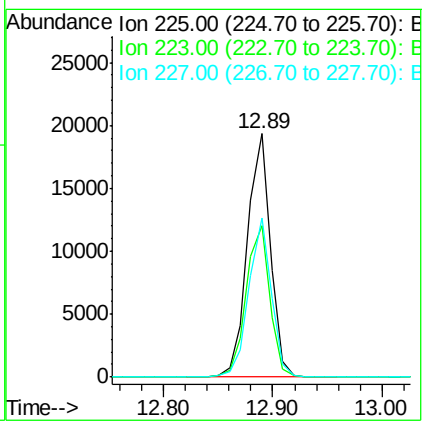


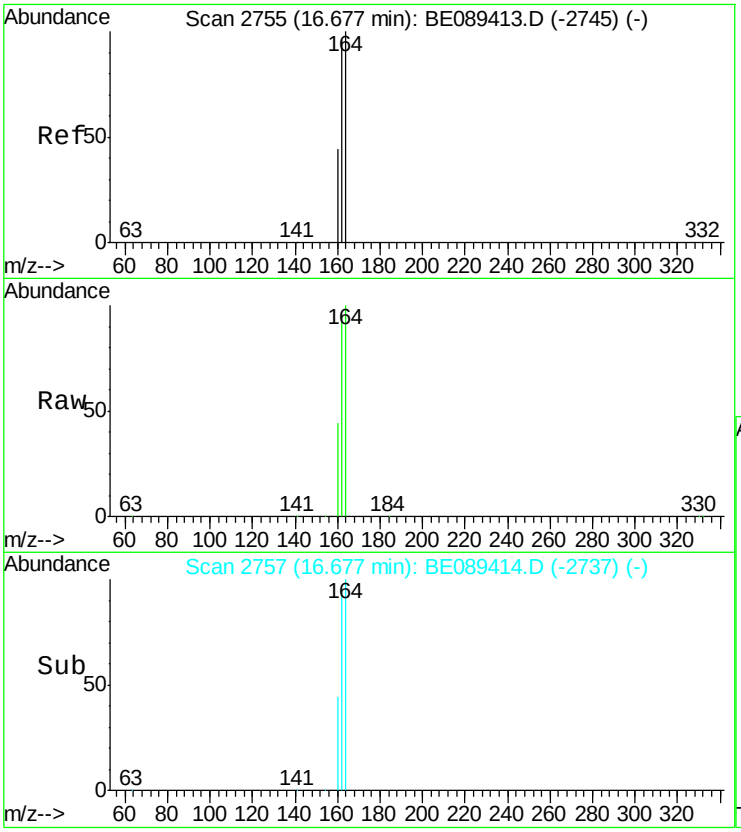




#12
Hexachlorobutadiene
Concen: 1.93 ng
RT: 12.89 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:225 Resp: 27984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.7 | 50.4 | 75.6 |
| 227 | 63.6 | 50.2 | 75.2 |



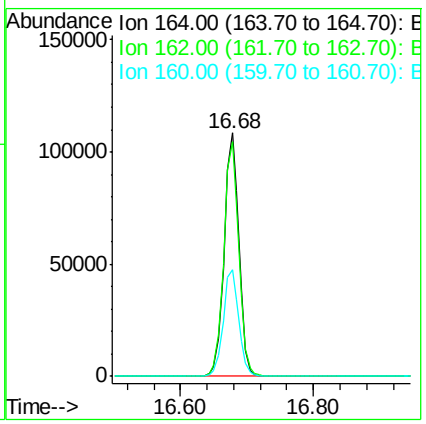


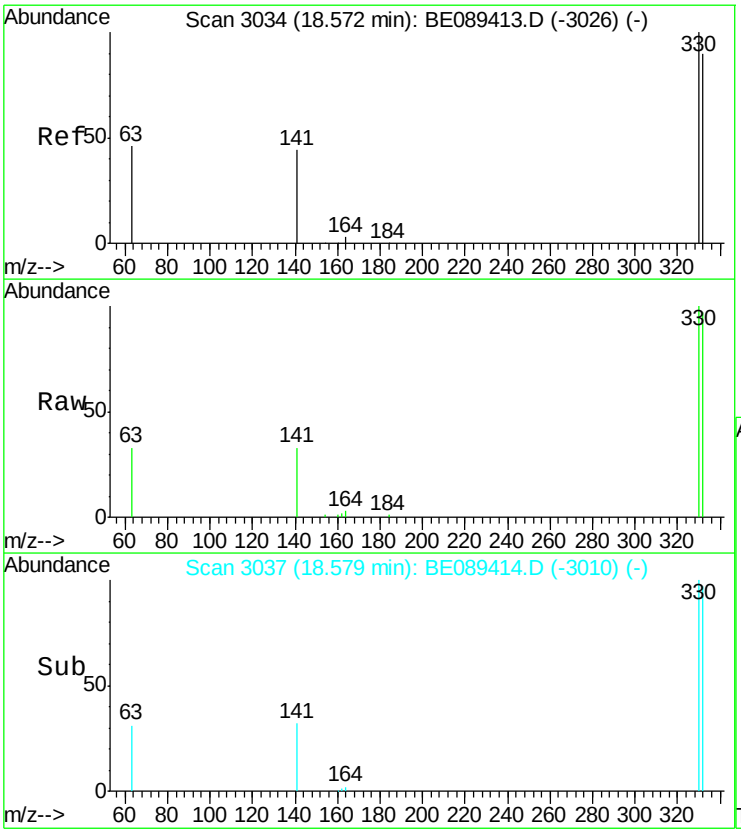

#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.68 min Scan# 2757
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:164 Resp: 166556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.2 | 77.0 | 115.6 |
| 160 | 43.7 | 35.0 | 52.4 |

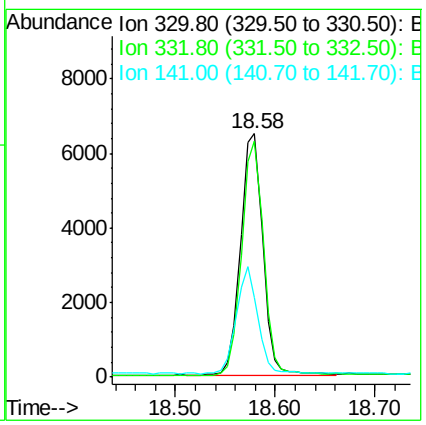


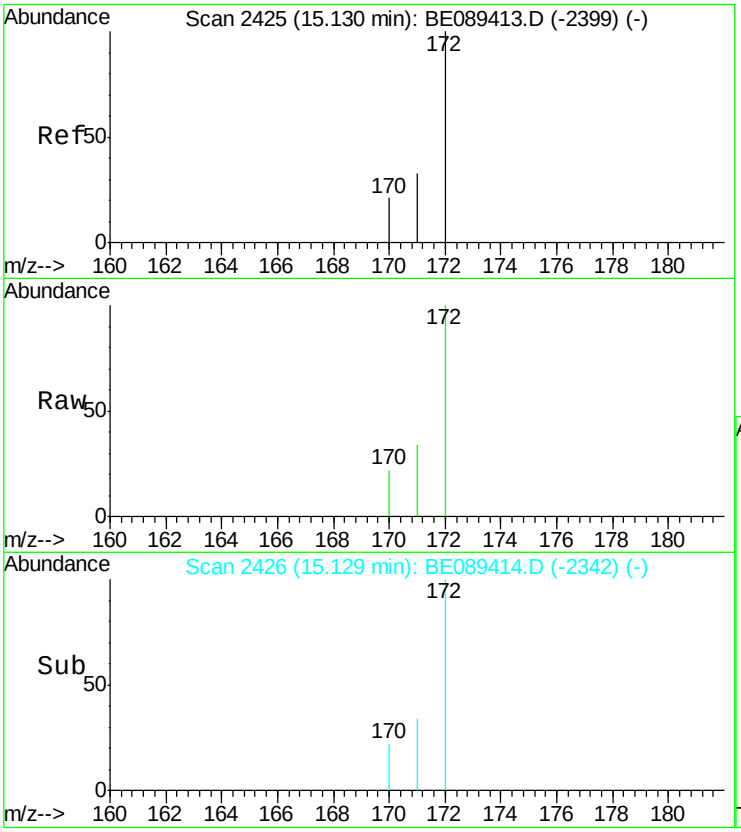




#14
2,4,6-Tribromophenol
Concen: 2.60 ng
RT: 18.58 min Scan# 3037
Delta R.T. 0.01 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:330 Resp: 10081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.9 | 76.0 | 114.0 |
| 141 | 43.3 | 35.6 | 53.4 |



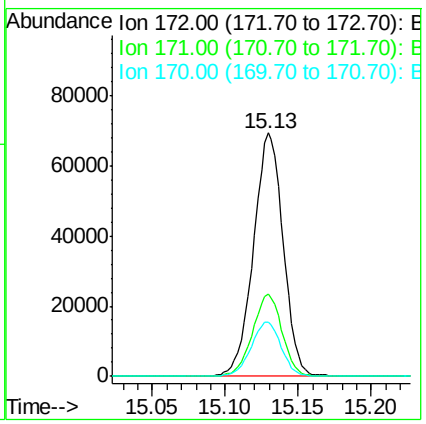


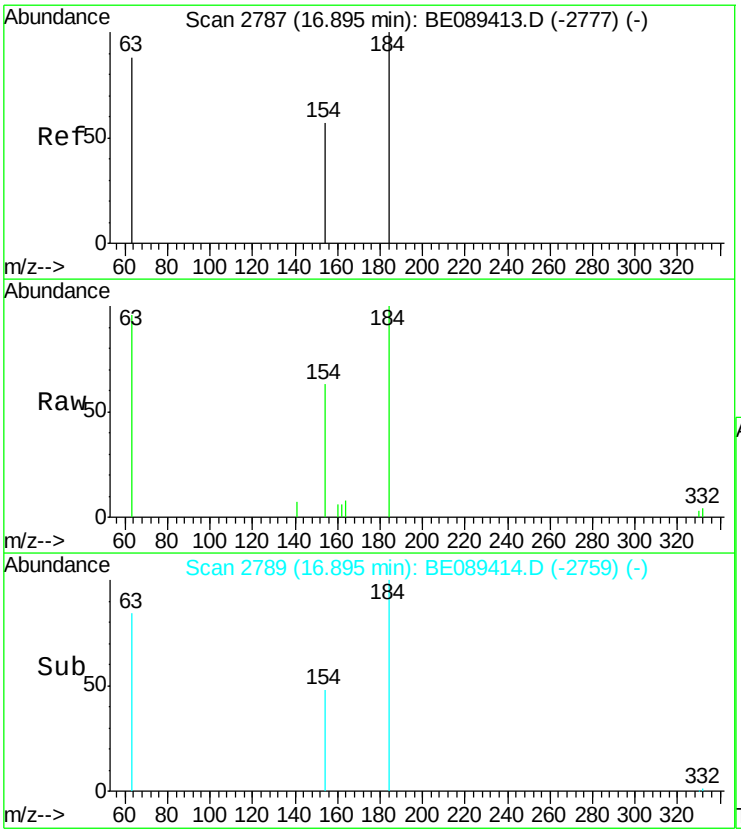

#15
2-Fluorobiphenyl
Concen: 1.95 ng
RT: 15.13 min Scan# 2426
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:172 Resp: 98192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.7 | 26.6 | 39.8 |
| 170 | 22.2 | 17.1 | 25.7 |

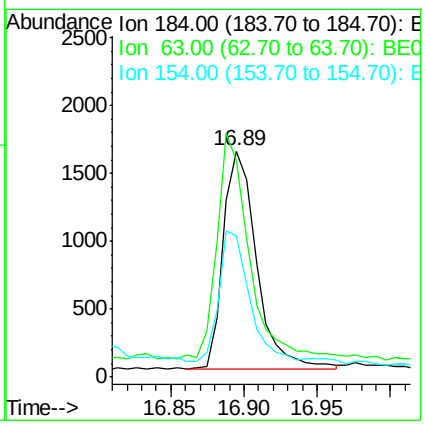


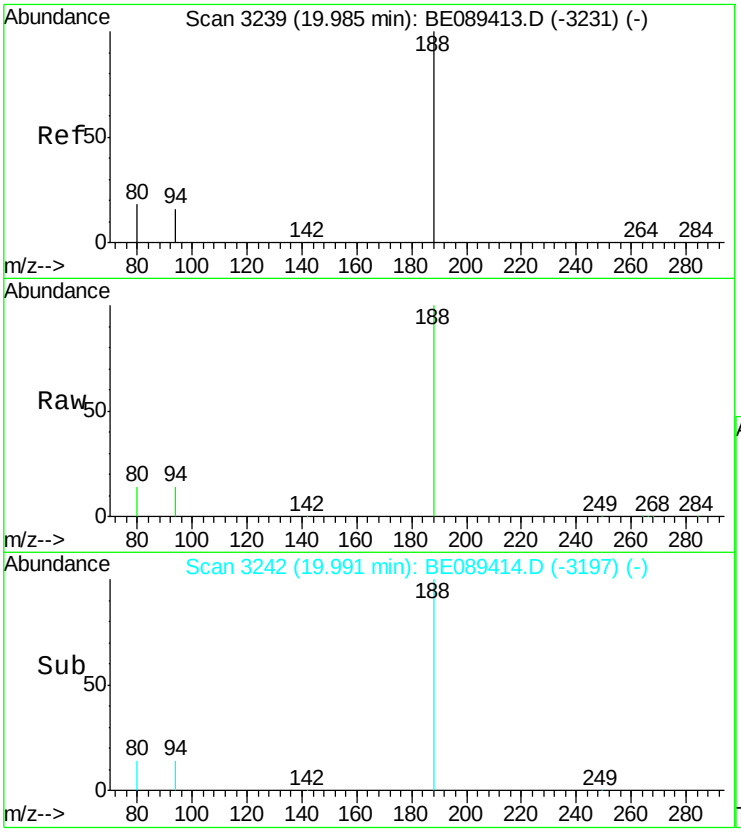




#16
2,4-Dinitrophenol
Concen: 2.25 ng
RT: 16.89 min Scan# 2789
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:184 Resp: 2536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 96.1 | 79.0 | 118.4 |
| 154 | 62.7 | 55.8 | 83.6 |



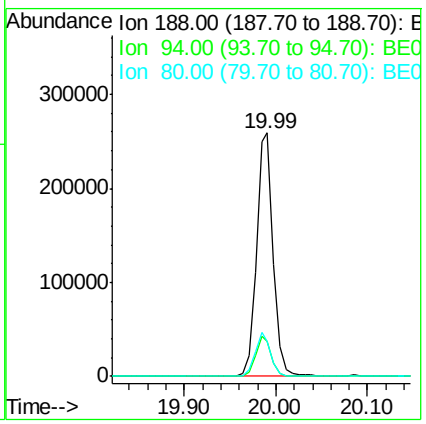


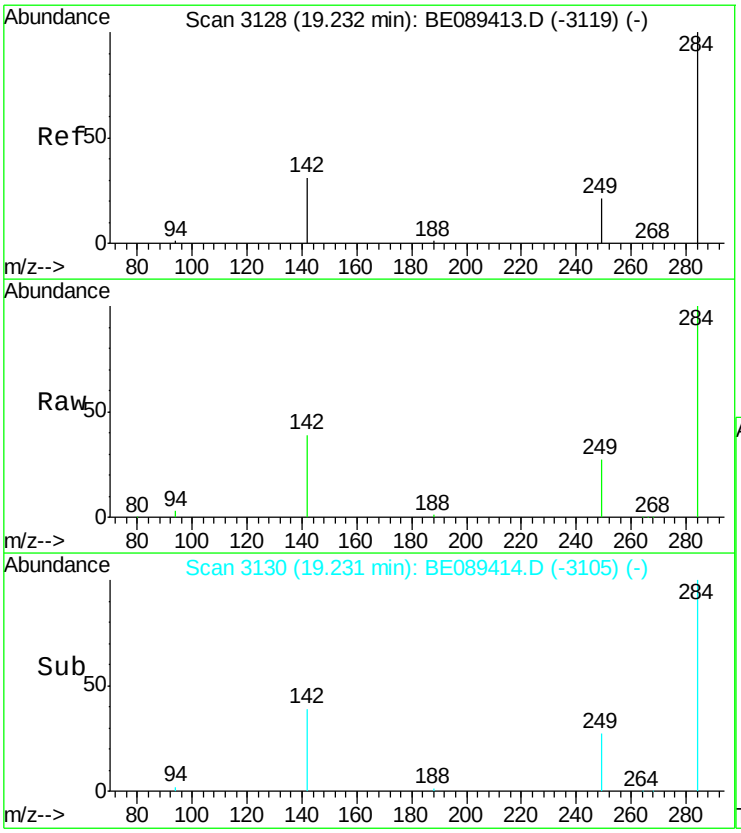

#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3242
Delta R.T. 0.01 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:188 Resp: 331190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 14.2 | 13.0 | 19.6 |
| 80 | 14.3 | 14.2 | 21.4 |

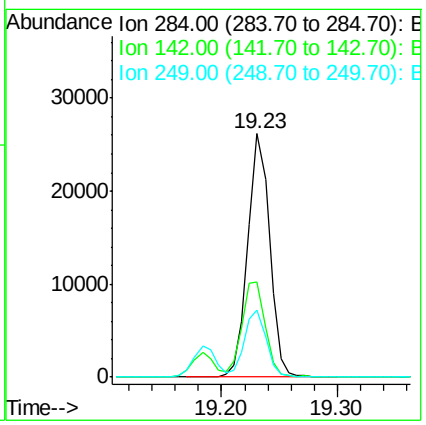


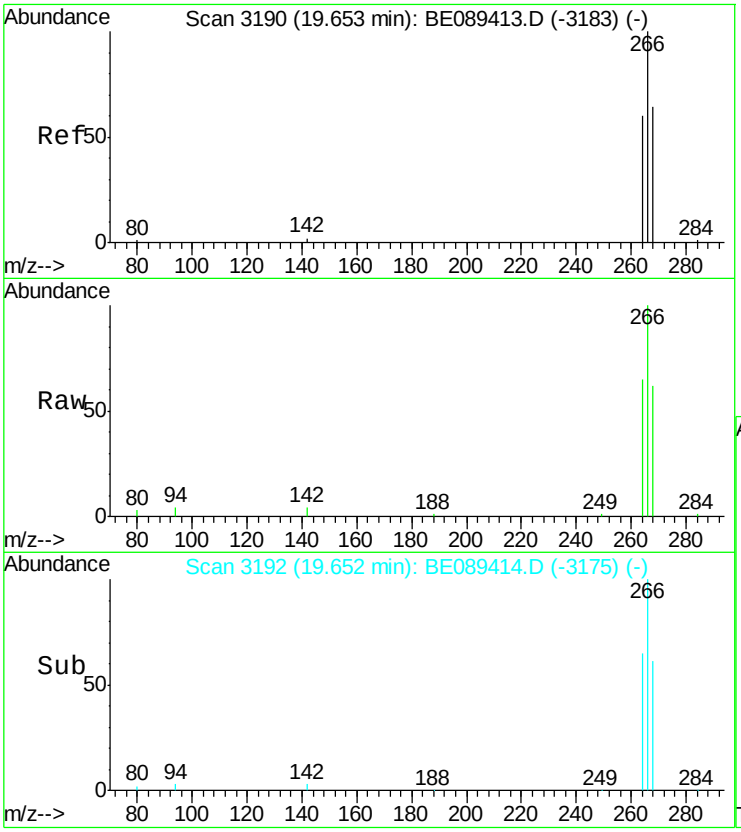




#18
Hexachlorobenzene
Concen: 2.18 ng
RT: 19.23 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:284 Resp: 33607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 39.1 | 28.3 | 42.5 |
| 249 | 27.4 | 19.9 | 29.9 |



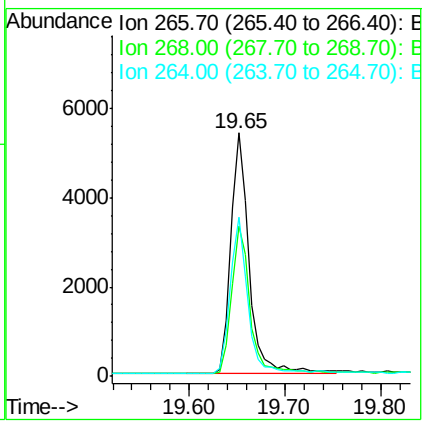


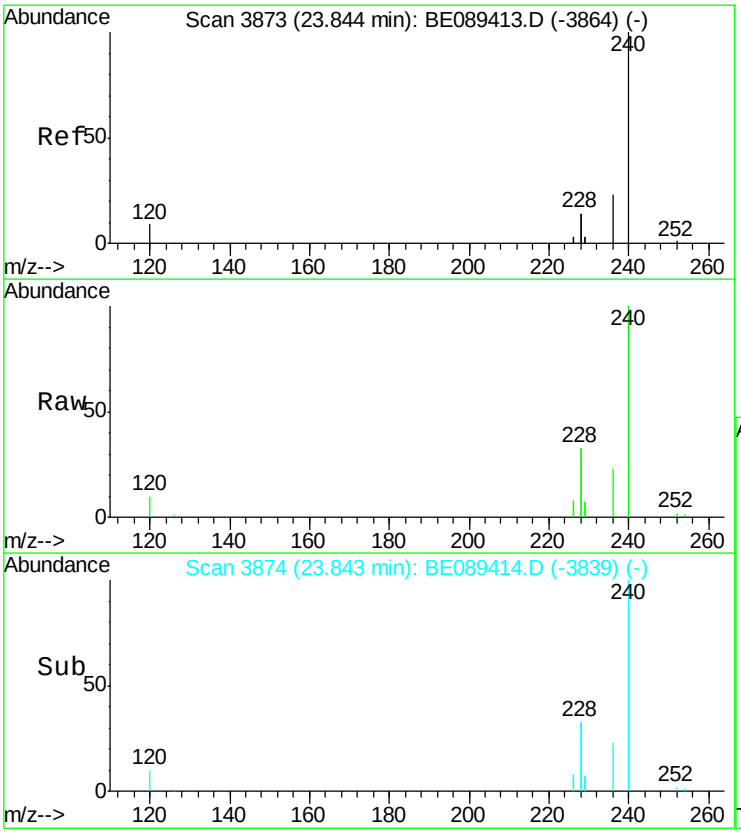

#19
Pentachlorophenol
Concen: 2.48 ng
RT: 19.65 min Scan# 3192
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:266 Resp: 7338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 61.7 | 51.9 | 77.9 |
| 264 | 65.1 | 48.5 | 72.7 |

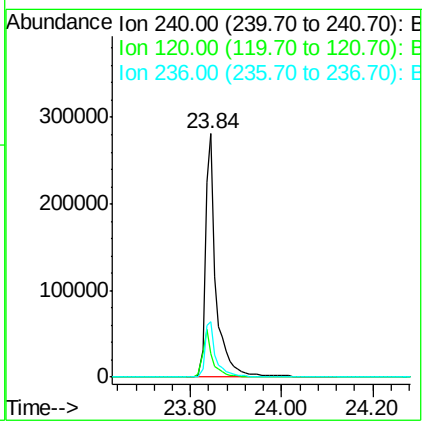


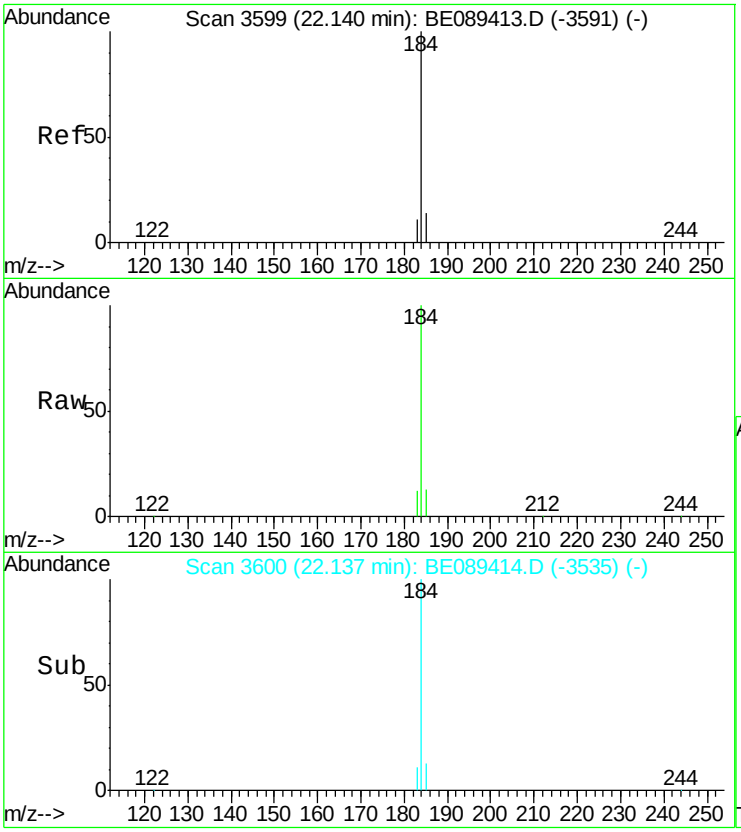




#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 3874
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:240 Resp: 451988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.6 | 6.9 | 10.3 |
| 236 | 22.8 | 18.2 | 27.2 |



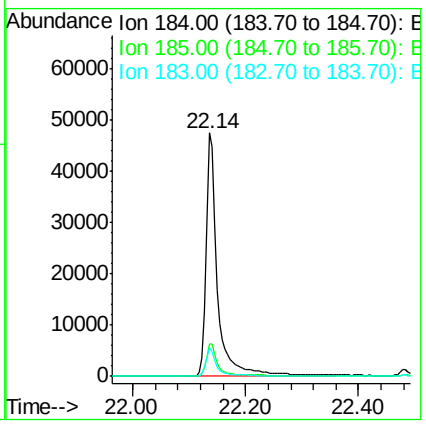


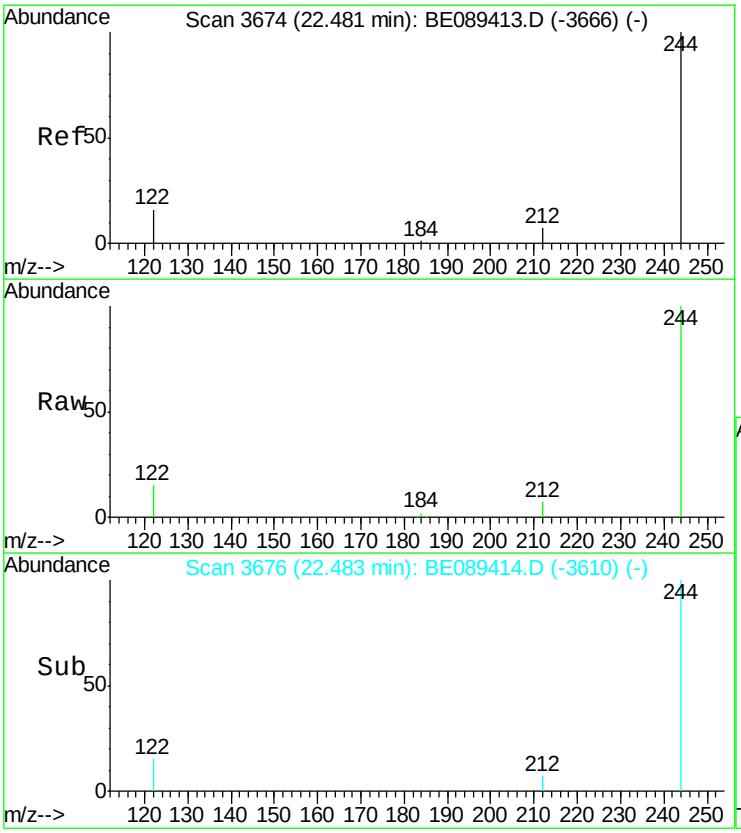

#21
Benzidine
Concen: 1.83 ng
RT: 22.14 min Scan# 3600
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:184 Resp: 66864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.2 | 11.0 | 16.6 |
| 183 | 11.6 | 8.6 | 13.0 |

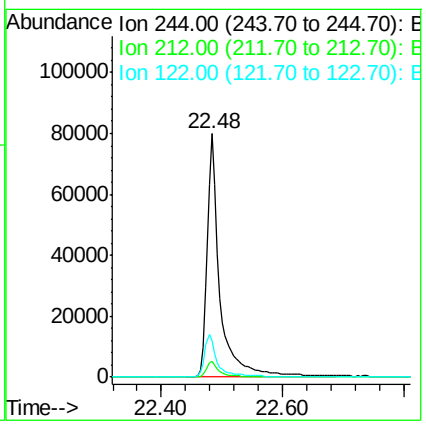


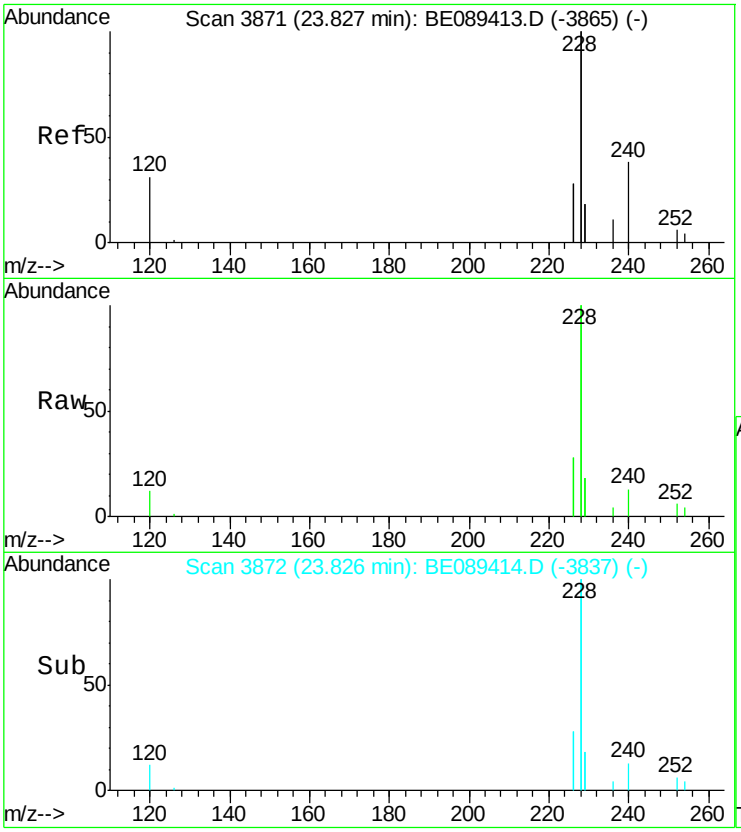




#22
Terphenyl-d14
Concen: 2.34 ng
RT: 22.48 min Scan# 3676
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:244 Resp: 116752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 15.1 | 13.2 | 19.8 |



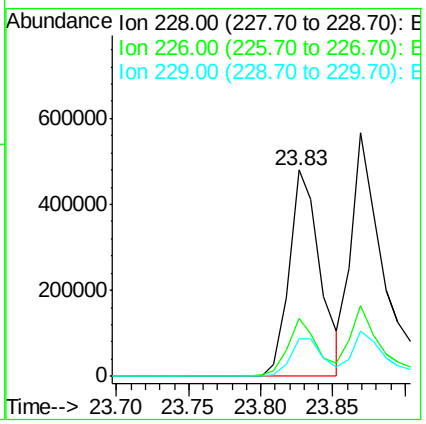


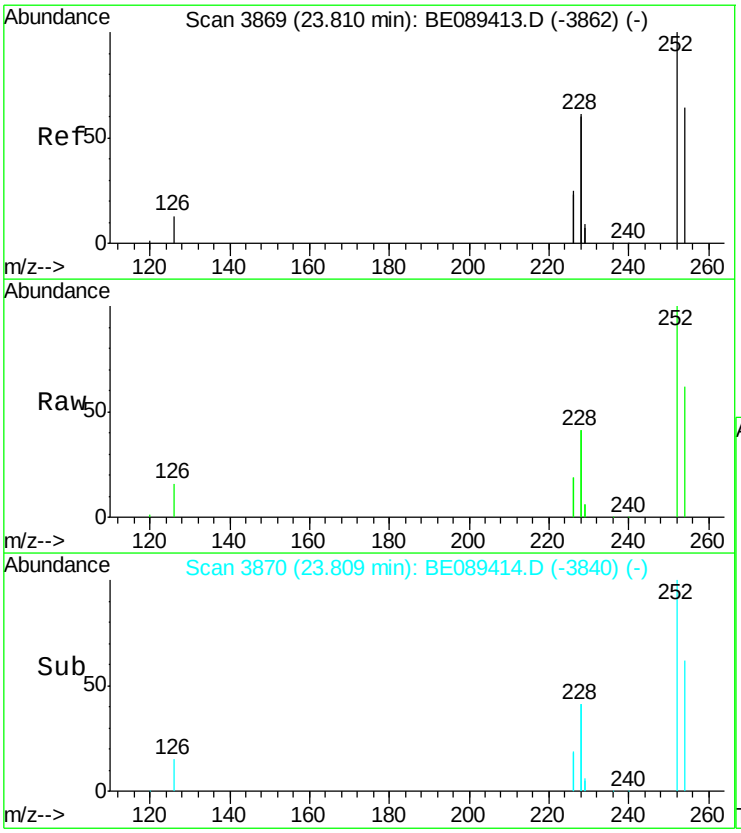

#23
Benzo(a)anthracene
Concen: 1.76 ng
RT: 23.83 min Scan# 3872
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:228 Resp: 721409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.9 | 22.6 | 33.8 |
| 229 | 18.2 | 14.5 | 21.7 |

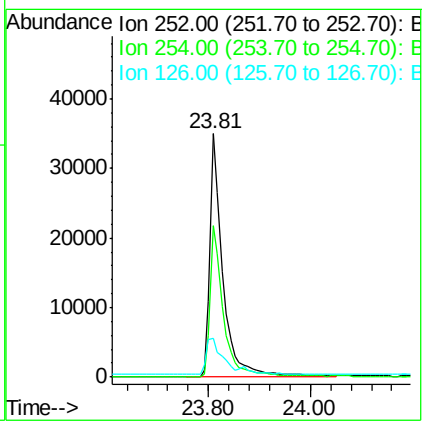


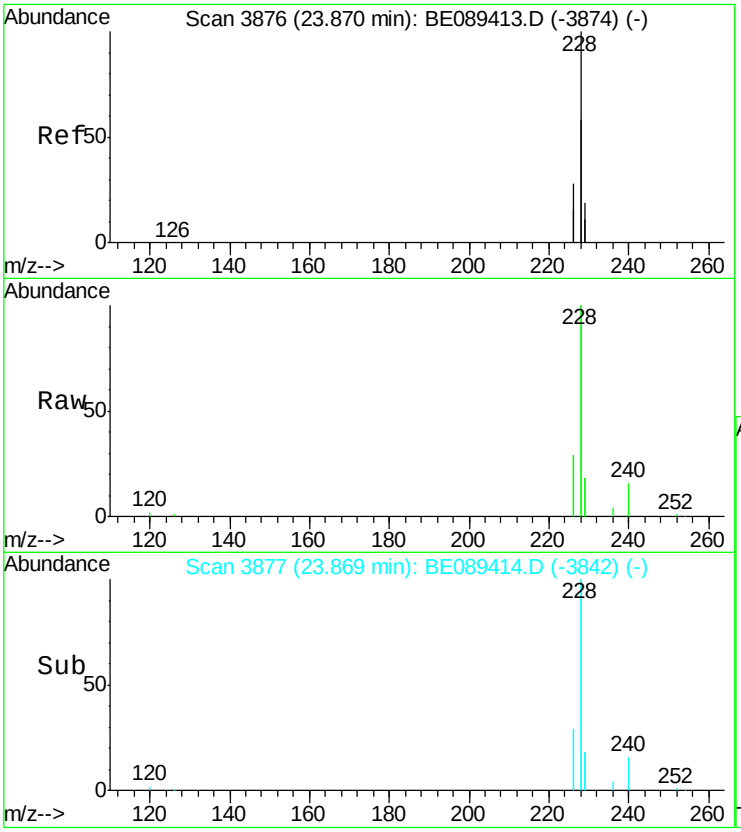




#24
3,3'-Dichlorobenzidine
Concen: 1.88 ng
RT: 23.81 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:252 Resp: 61543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 62.3 | 51.1 | 76.7 |
| 126 | 15.7 | 11.5 | 17.3 |



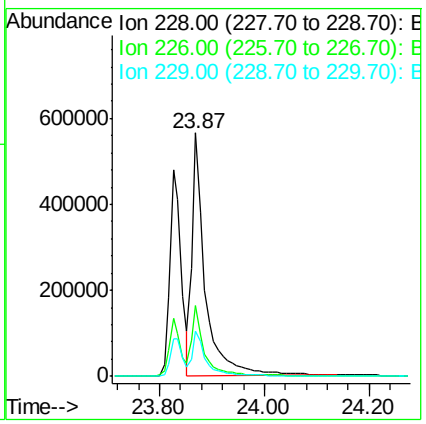


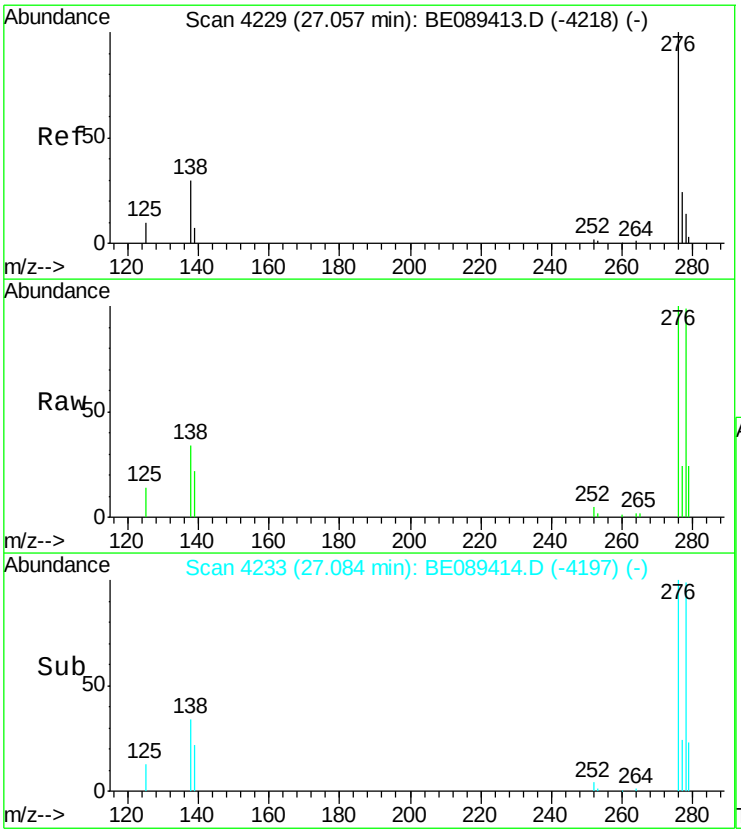

#25
Chrysene
Concen: 1.96 ng
RT: 23.87 min Scan# 3877
Delta R.T. -0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:228 Resp: 991110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.6 | 33.8 |
| 229 | 18.5 | 15.5 | 23.3 |

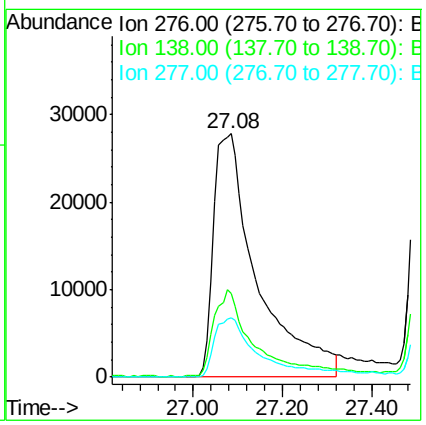


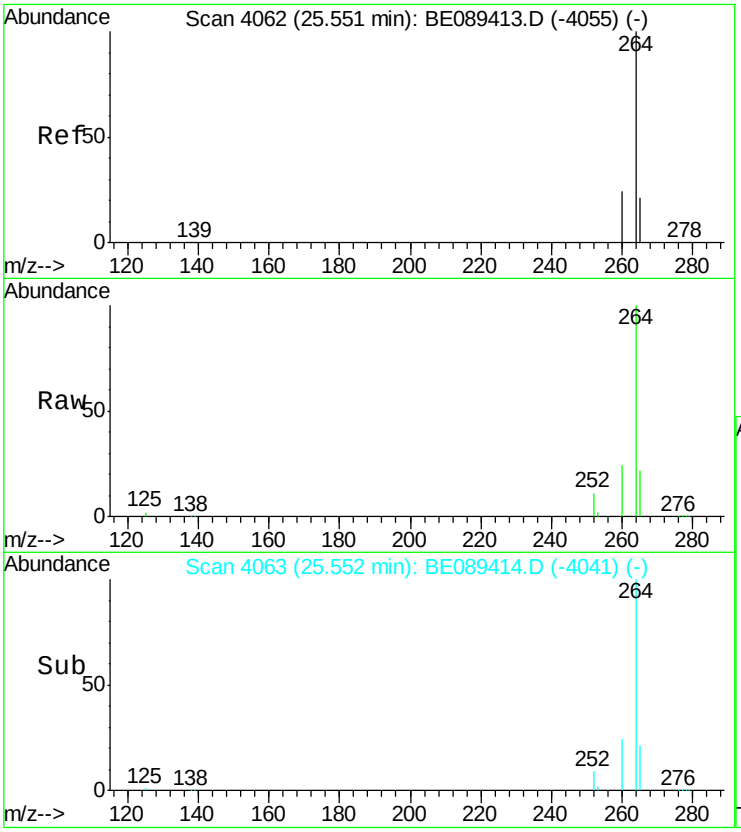




#26
Indeno(1,2,3-cd)pyrene
Concen: 1.60 ng
RT: 27.08 min Scan# 4233
Delta R.T. 0.03 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:276 Resp: 187338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.4 | 0.0 | 0.0# |
| 277 | 24.1 | 0.0 | 0.0# |



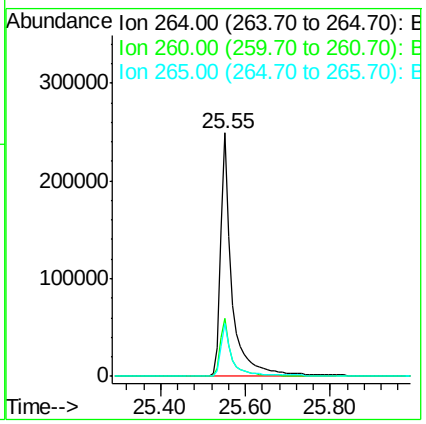


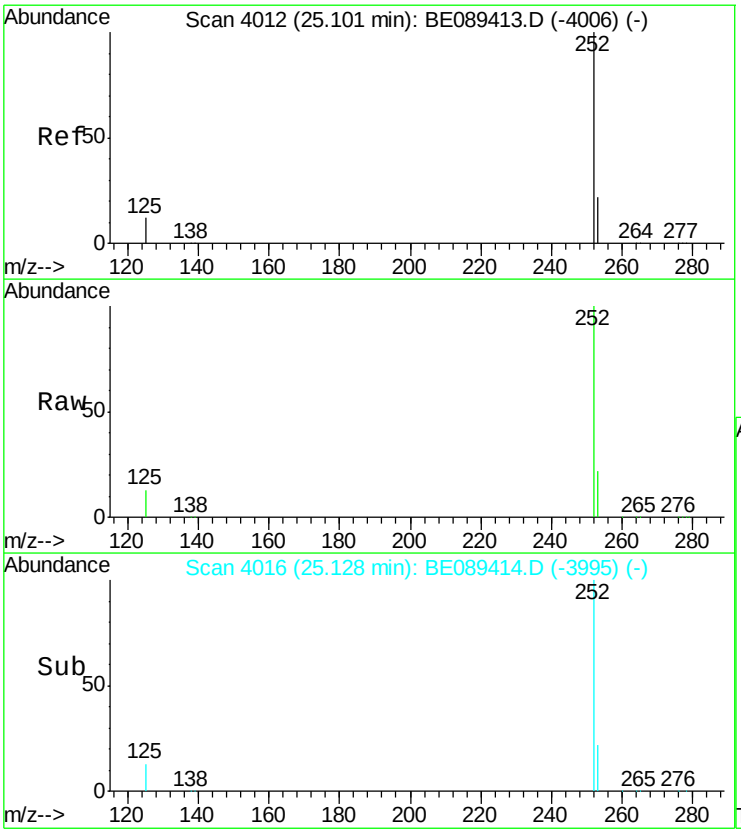

#27
Perylene-d12
Concen: 5.00 ng
RT: 25.55 min Scan# 4063
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:264 Resp: 463111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.4 | 29.0 |
| 265 | 21.6 | 17.1 | 25.7 |

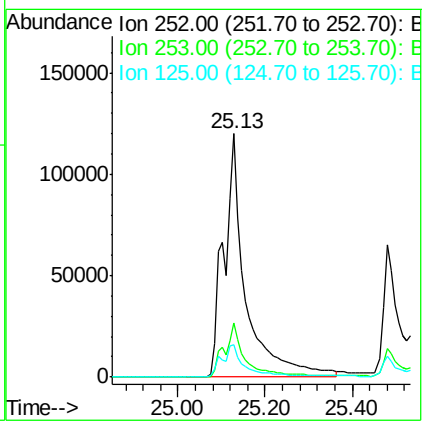


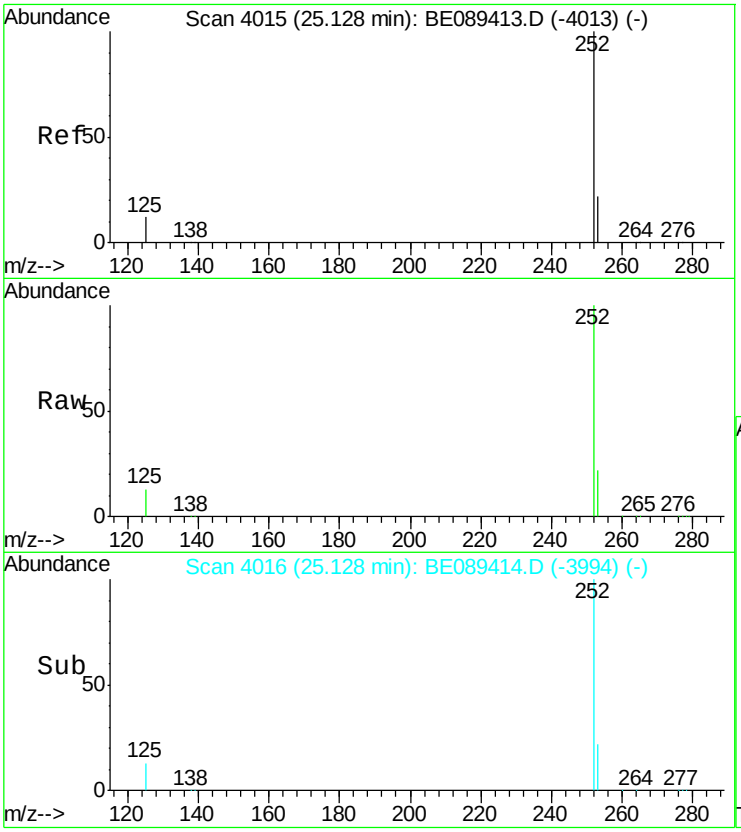




#28
Benzo(b)fluoranthene
Concen: 7.17 ng
RT: 25.13 min Scan# 4016
Delta R.T. 0.03 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:252 Resp: 420984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.6 | 26.4 |
| 125 | 13.1 | 10.5 | 15.7 |



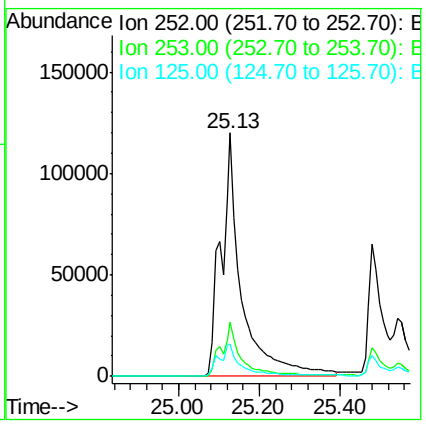


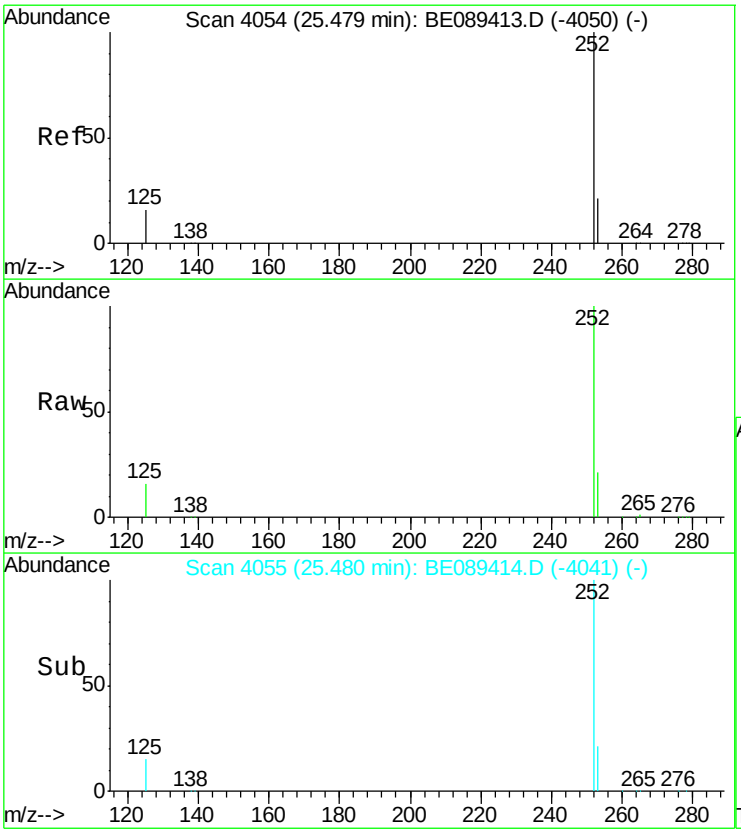

#29
Benzo(k)fluoranthene
Concen: 3.20 ng
RT: 25.13 min Scan# 4016
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:252 Resp: 424953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.4 | 26.2 |
| 125 | 13.1 | 11.0 | 16.6 |

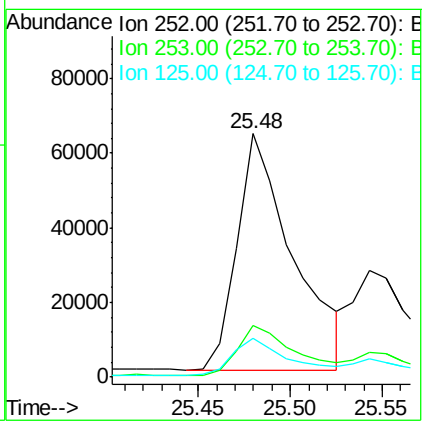


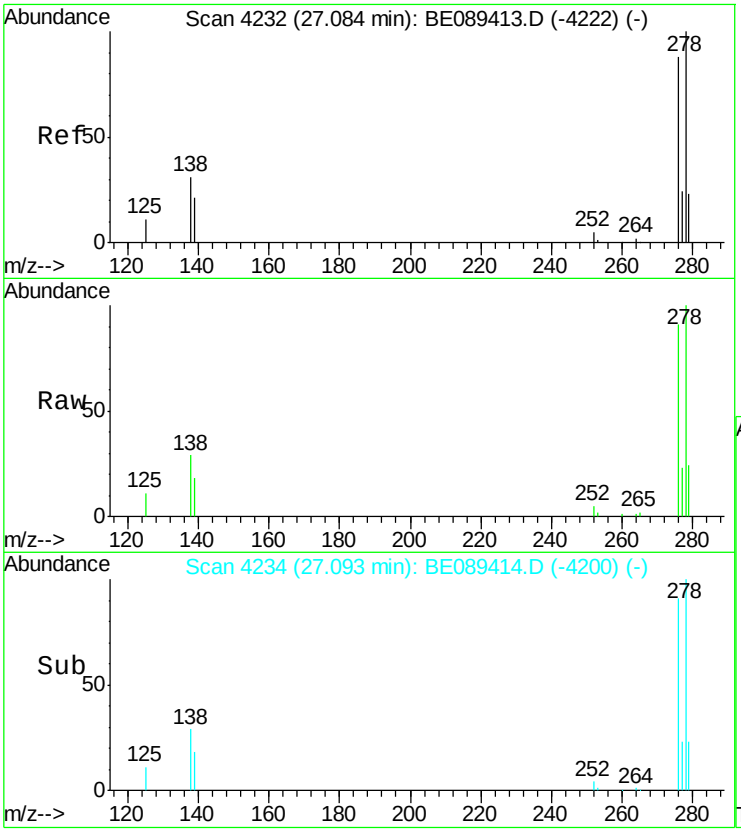




#30
Benzo(a)pyrene
Concen: 1.88 ng
RT: 25.48 min Scan# 4055
Delta R.T. 0.00 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

Tgt Ion:252 Resp: 133813

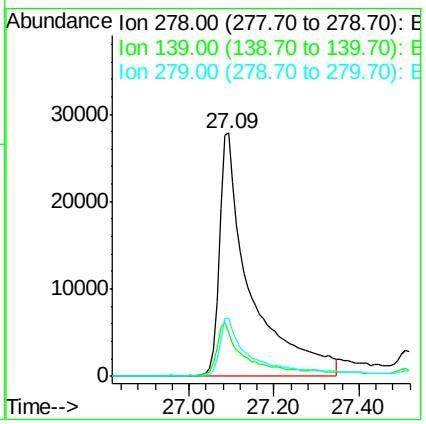
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.3 | 25.9 |
| 125 | 15.7 | 13.0 | 19.6 |






#31
Dibenzo(a,h)anthracene
Concen: 1.91 ng
RT: 27.09 min Scan# 4234
Delta R.T. 0.01 min
Lab File: BE089414.D
Acq: 29 Jan 2015 13:58

**Instrument :**
BNA_E
**LabSampleId :**
SSTDICC002

Tgt Ion:278 Resp: 138856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.9 | 17.2 | 25.8 |
| 279 | 23.6 | 19.2 | 28.8 |