Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089475.D
Acq On : 3 Feb 2015 22:11
Operator : TP/IZ
Sample : G1116-01
Misc : 4 TIME INT STD
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** SUMP

Quant Time: Feb 04 01:24:00 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.53 | 152 | 355975 | 5.00 | ng | | 0.00 |
| 7) Naphthalene-d8 | 12.43 | 136 | 1367676 | 5.00 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 16.62 | 164 | 561616 | 5.00 | ng | | 0.00 |
| 17) Phenanthrene-d10 | 19.94 | 188 | 1053791 | 5.00 | ng | | 0.01 |
| 20) Chrysene-d12 | 23.79 | 240 | 1016463 | 5.00 | ng | | 0.00 |
| 27) Perylene-d12 | 25.50 | 264 | 956483 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 6.74 | 112 | 1157221 | 10.05 | ng | | 0.01 |
| 4) Phenol-d6 | 8.85 | 99 | 882503 | 6.11 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 10.82 | 82 | 2553138 | 24.68 | ng | | 0.03 |
| 14) 2,4,6-Tribromophenol | 18.55 | 330 | 654565 | 26.59 | ng | | 0.04 |
| 15) 2-Fluorobiphenyl | 15.09 | 172 | 3201194 | 21.63 | ng | | 0.02 |
| 22) Terphenyl-d14 | 22.45 | 244 | 2588487 | 17.97 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) n-Nitrosodimethylamine | 3.56 | 42 | 40 | 0.09 | ng | # | 1 |
| 5) Phenol | 8.87 | 94 | 39509 | 0.25 | ng | # | 58 |
| 6) bis(2-Chloroethyl)ether | 9.04 | 93 | 3553 | 0.03 | ng | # | 1 |
| 9) Nitrobenzene | 10.82 | 77 | 9186 | 0.08 | ng | # | 37 |
| 10) 2,4-Dimethylphenol | 11.83 | 122 | 9091 | 0.11 | ng | # | 93 |
| 11) 2,4-Dichlorophenol | 12.18 | 162 | 255 | 0.00 | ng | # | 1 |
| 16) 2,4-Dinitrophenol | 16.83 | 184 | 26 | 0.40 | ng | # | 1 |
| 18) Hexachlorobenzene | 19.17 | 284 | 25 | 0.00 | ng | # | 1 |
| 19) Pentachlorophenol | 19.62 | 266 | 140 | 0.36 | ng | # | 79 |
| 21) Benzidine | 22.12 | 184 | 4977 | 0.18 | ng | # | 64 |
| 23) Benzo(a)anthracene | 23.79 | 228 | 17210 | 0.02 | ng | # | 70 |
| 24) 3,3'-Dichlorobenzidine | 23.79 | 252 | 144 | 0.12 | ng | # | 1 |
| 25) Chrysene | 23.79 | 228 | 17210 | 0.02 | ng | # | 68 |
| 26) Indeno(1,2,3-cd)pyrene | 26.96 | 276 | 155 | 0.13 | ng | # | 66 |
| 28) Benzo(b)fluoranthene | 25.05 | 252 | 384 | 0.18 | ng | # | 1 |
| 29) Benzo(k)fluoranthene | 25.07 | 252 | 309 | 0.00 | ng | # | 1 |
| 30) Benzo(a)pyrene | 25.42 | 252 | 339 | 0.17 | ng | # | 1 |
| 31) Dibenzo(a,h)anthracene | 27.00 | 278 | 245 | 0.15 | ng | # | 1 |

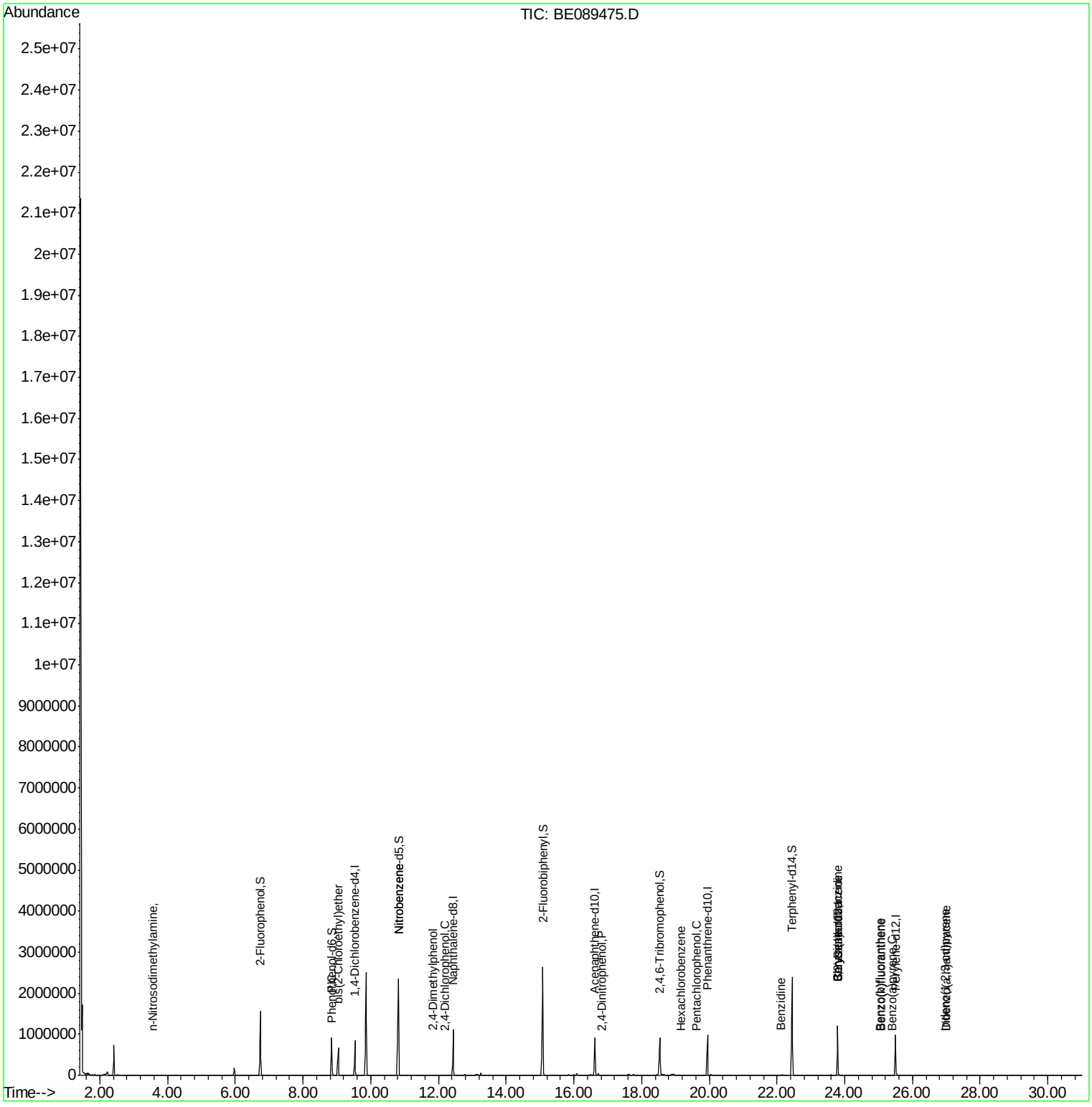
(#) = qualifier out of range (m) = manual integration (+) = signals summed

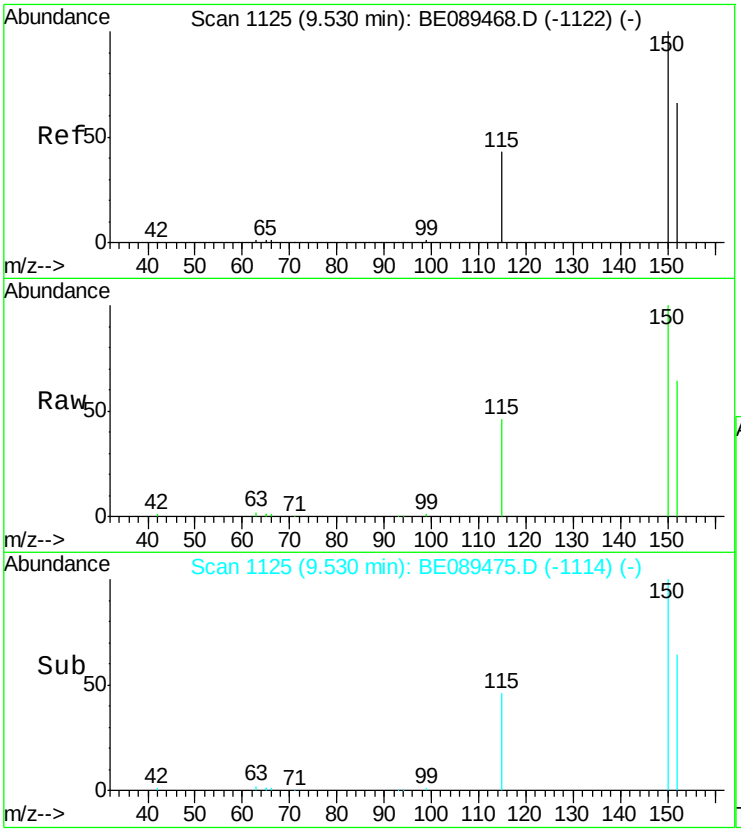
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
Data File : BE089475.D
Acq On : 3 Feb 2015 22:11
Operator : TP/IZ
Sample : G1116-01
Misc : 4 TIME INT STD
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Quant Time: Feb 04 01:24:00 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 04 00:53:32 2015
Response via : Initial Calibration



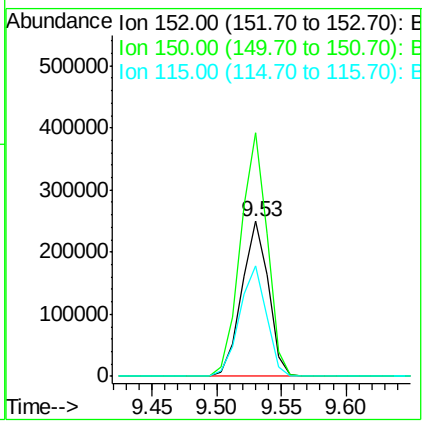


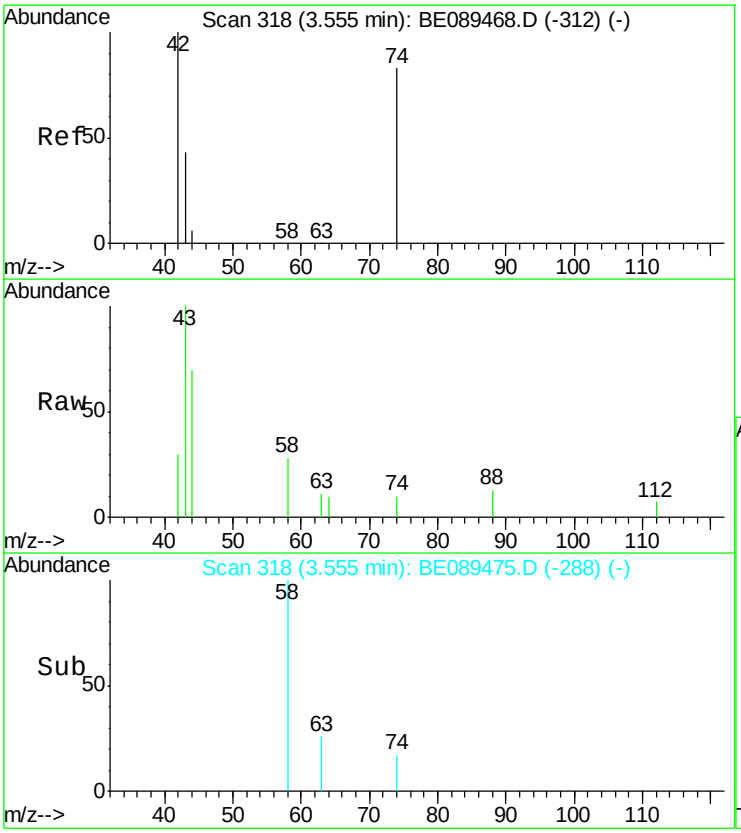

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.53 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:152 Resp: 355975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 122.1 | 183.1 |
| 115 | 71.7 | 53.2 | 79.8 |

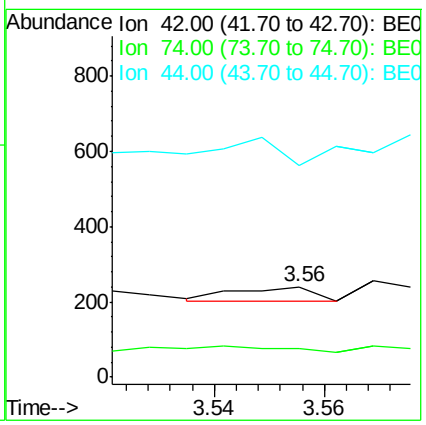


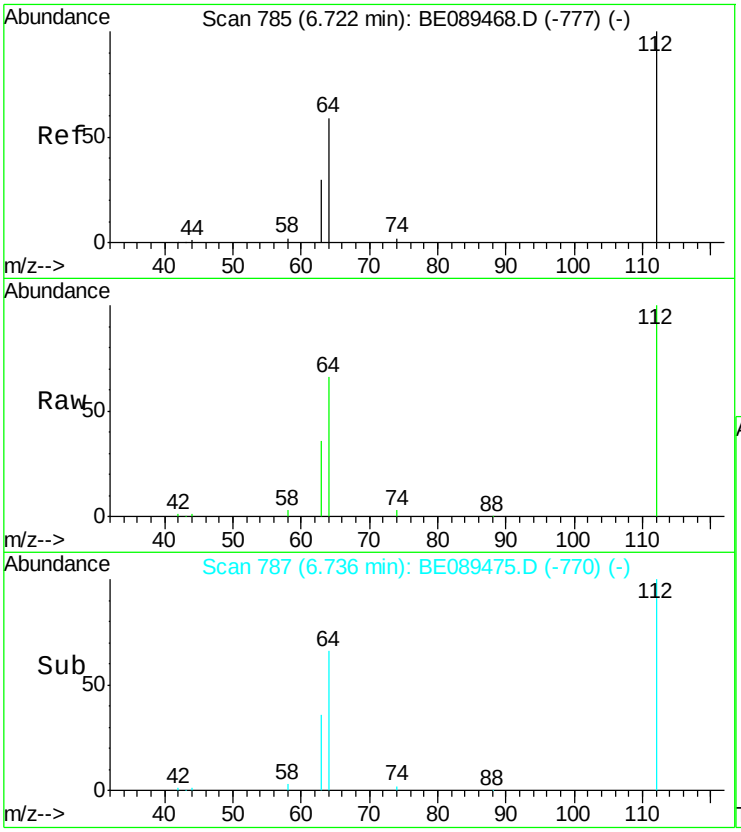




#2
n-Nitrosodimethylamine
Concen: 0.09 ng
RT: 3.56 min Scan# 318
Delta R.T. 0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion: 42 Resp: 40

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 32.0 | 65.4 | 98.2# |
| 44 | 233.6 | 11.7 | 17.5# |



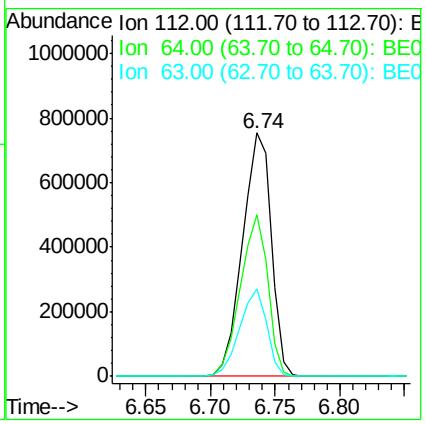


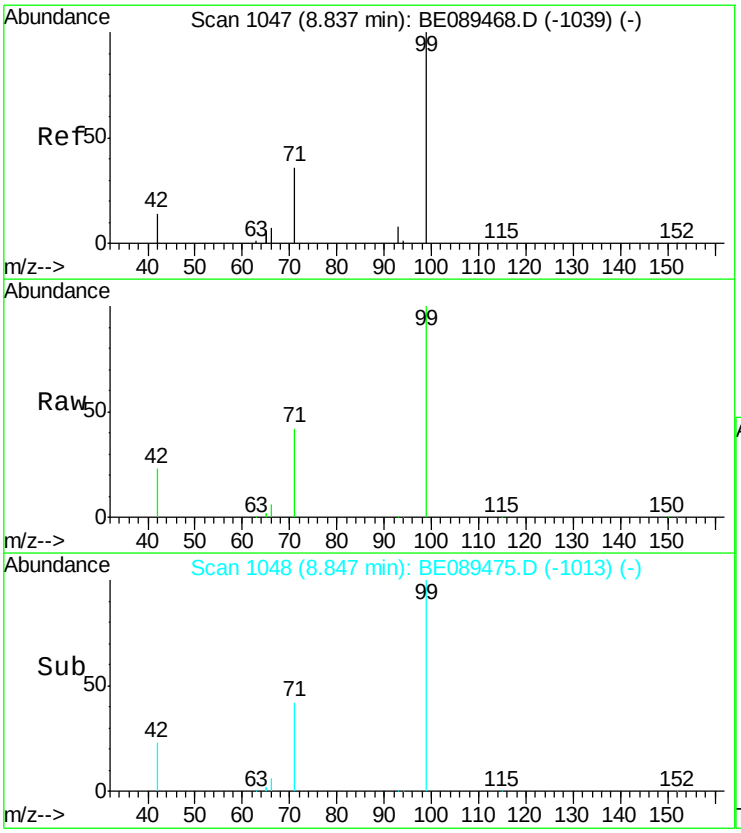

#3
2-Fluorophenol
Concen: 10.05 ng
RT: 6.74 min Scan# 787
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:112 Resp: 1157221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.4 | 47.0 | 70.6 |
| 63 | 35.9 | 24.2 | 36.2 |

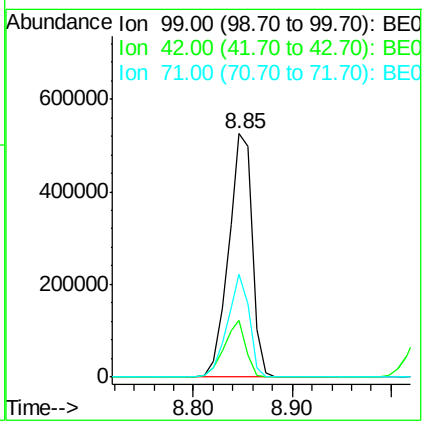


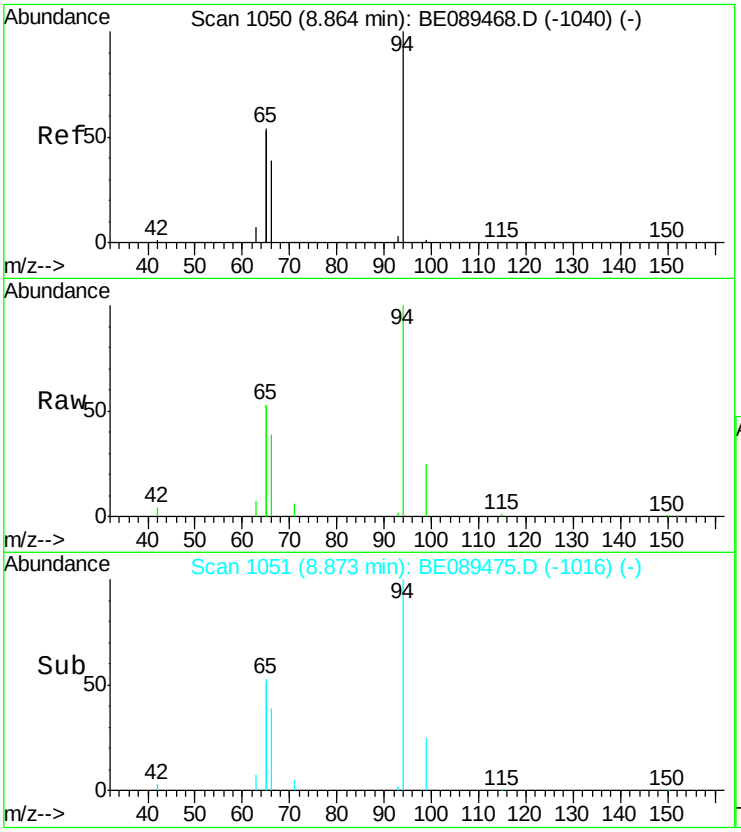




#4
Phenol-d6
Concen: 6.11 ng
RT: 8.85 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion: 99 Resp: 882503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.3 | 11.8 | 17.6# |
| 71 | 42.3 | 28.7 | 43.1 |



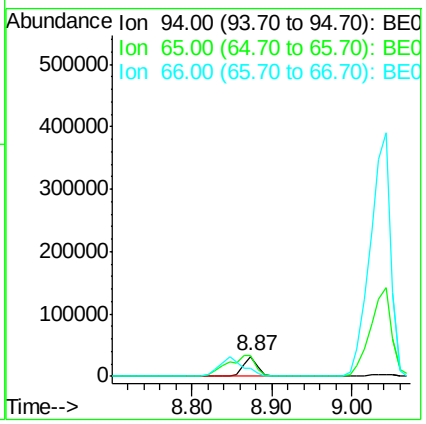


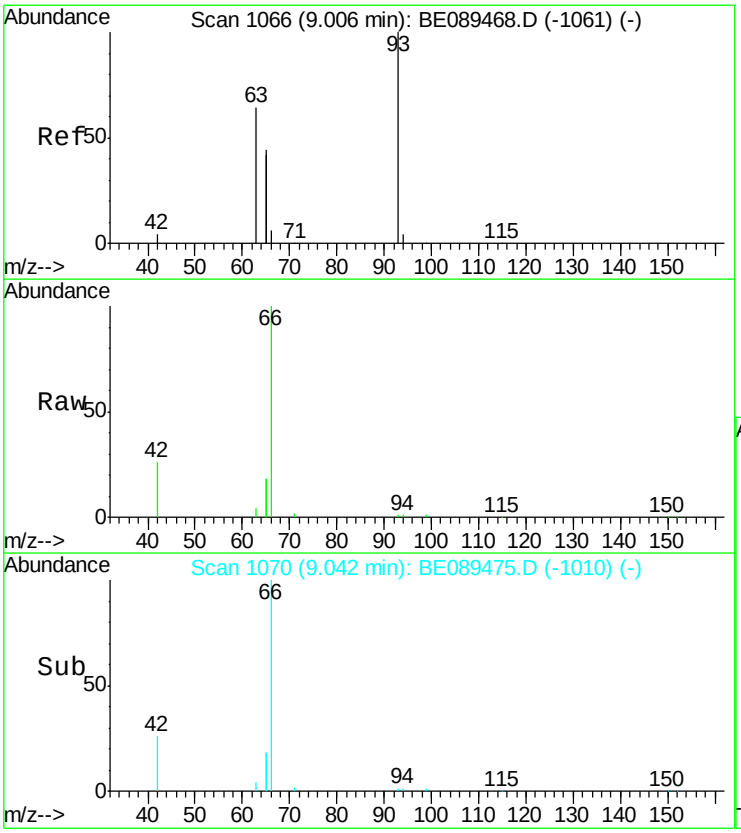

#5
Phenol
Concen: 0.25 ng
RT: 8.87 min Scan# 1051
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion: 94 Resp: 39509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 105.6 | 33.9 | 73.9# |
| 66 | 38.9 | 19.1 | 59.1 |

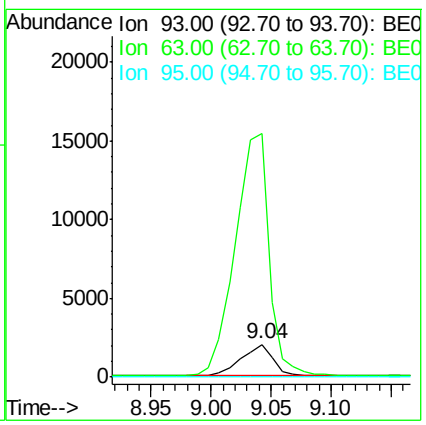


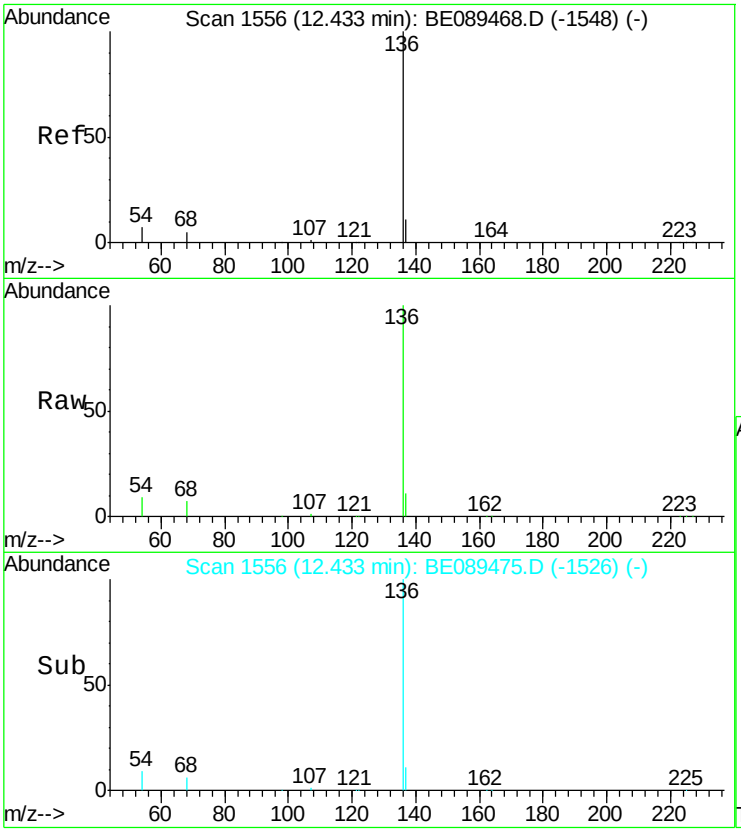




#6
bis(2-Chloroethyl)ether
Concen: 0.03 ng
RT: 9.04 min Scan# 1070
Delta R.T. 0.04 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion: 93 Resp: 3553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 851.8 | 57.0 | 85.6# |
| 95 | 0.0 | 0.0 | 0.0 |



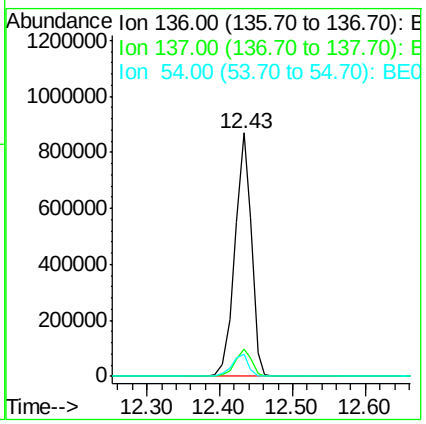


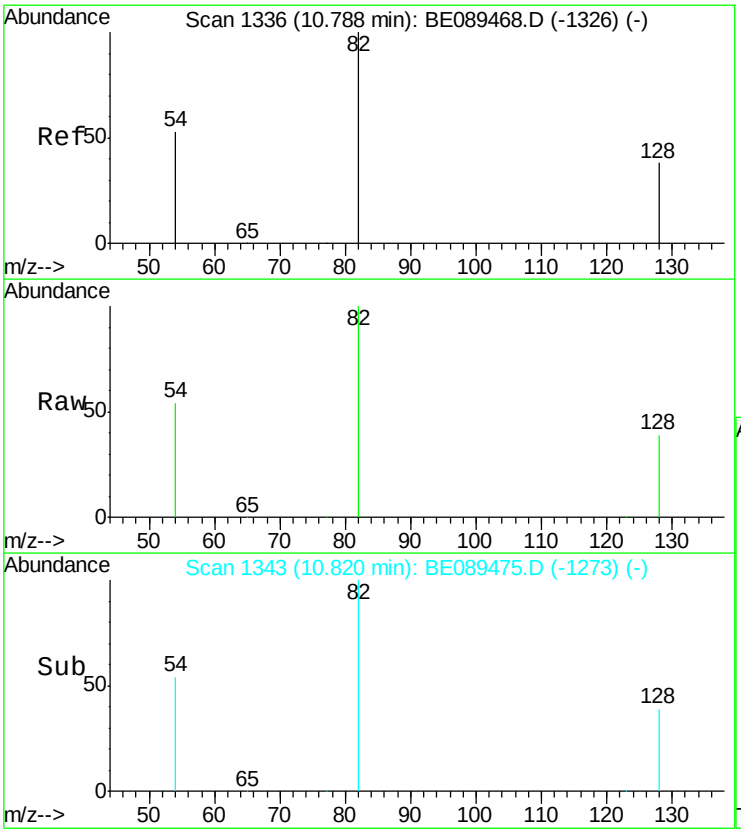

#7
Naphthalene-d8
Concen: 5.00 ng
RT: 12.43 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:136 Resp: 1367676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 8.9 | 5.4 | 8.0# |

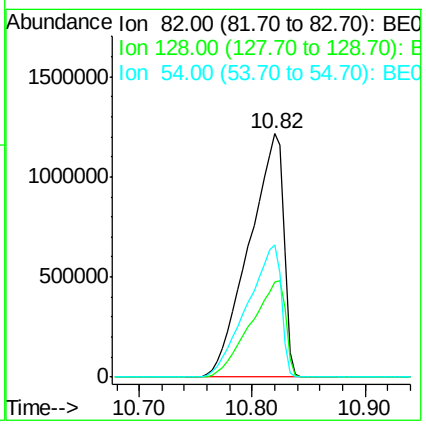


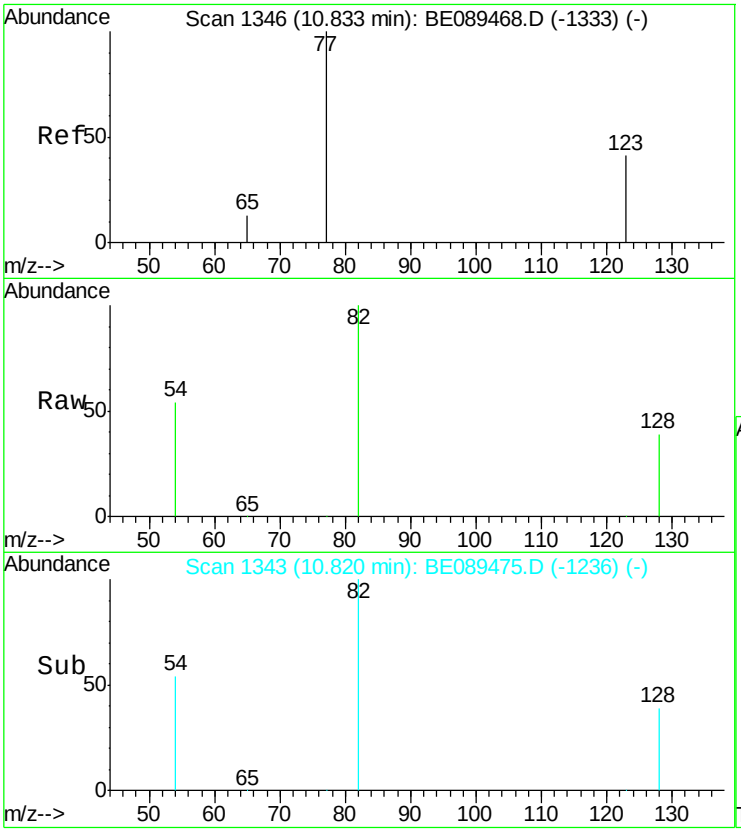




#8
Nitrobenzene-d5
Concen: 24.68 ng
RT: 10.82 min Scan# 1343
Delta R.T. 0.03 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion: 82 Resp: 2553138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.0 | 30.3 | 45.5 |
| 54 | 54.5 | 43.1 | 64.7 |



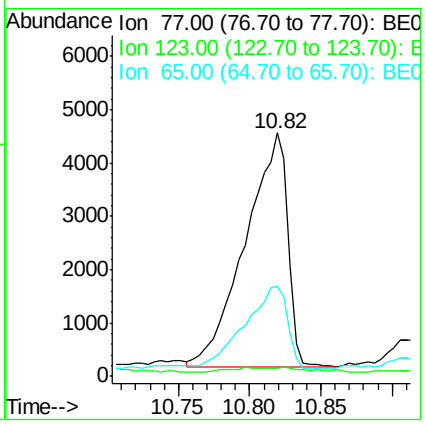


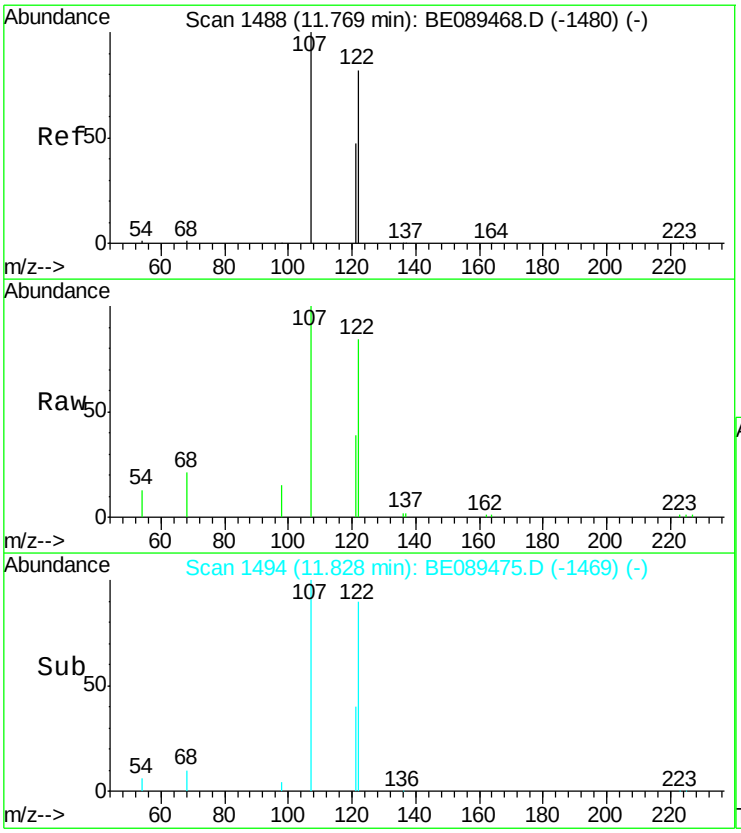

#9
Nitrobenzene
Concen: 0.08 ng
RT: 10.82 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion: 77 Resp: 9186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 33.4 | 50.0# |
| 65 | 35.3 | 10.9 | 16.3# |

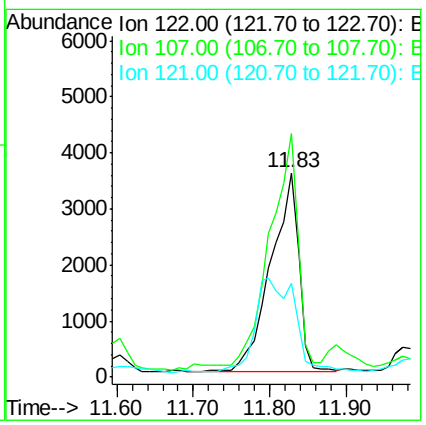


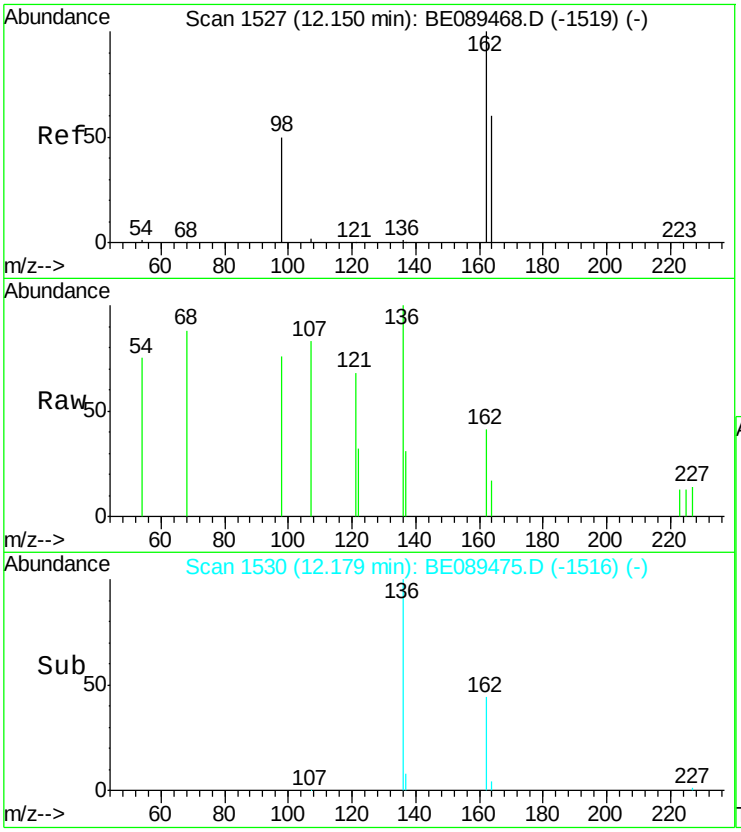




#10
2,4-Dimethylphenol
Concen: 0.11 ng
RT: 11.83 min Scan# 1494
Delta R.T. 0.06 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:122 Resp: 9091

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 119.0 | 97.3 | 145.9 |
| 121 | 46.0 | 46.4 | 69.6# |



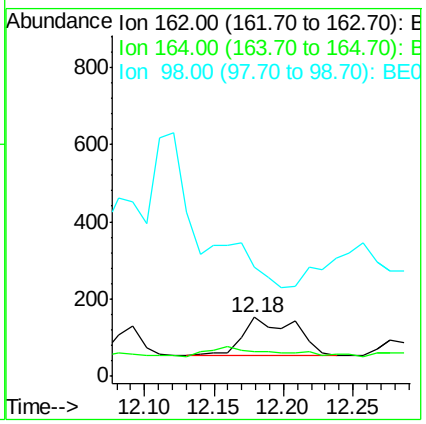


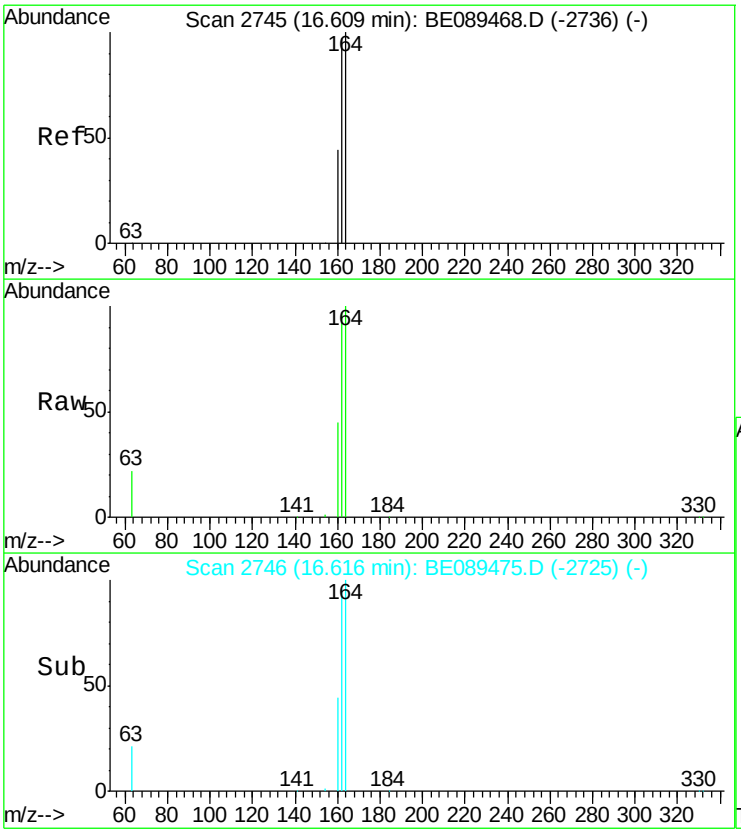

#11
2,4-Dichlorophenol
Concen: 0.00 ng
RT: 12.18 min Scan# 1530
Delta R.T. 0.03 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:162 Resp: 255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 162 | 100 | | |
| 164 | 41.8 | 39.9 | 79.9 |
| 98 | 185.6 | 31.3 | 71.3# |

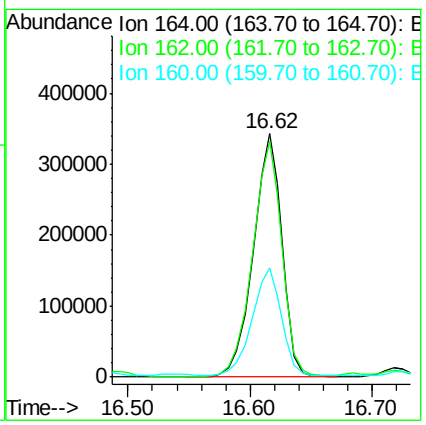


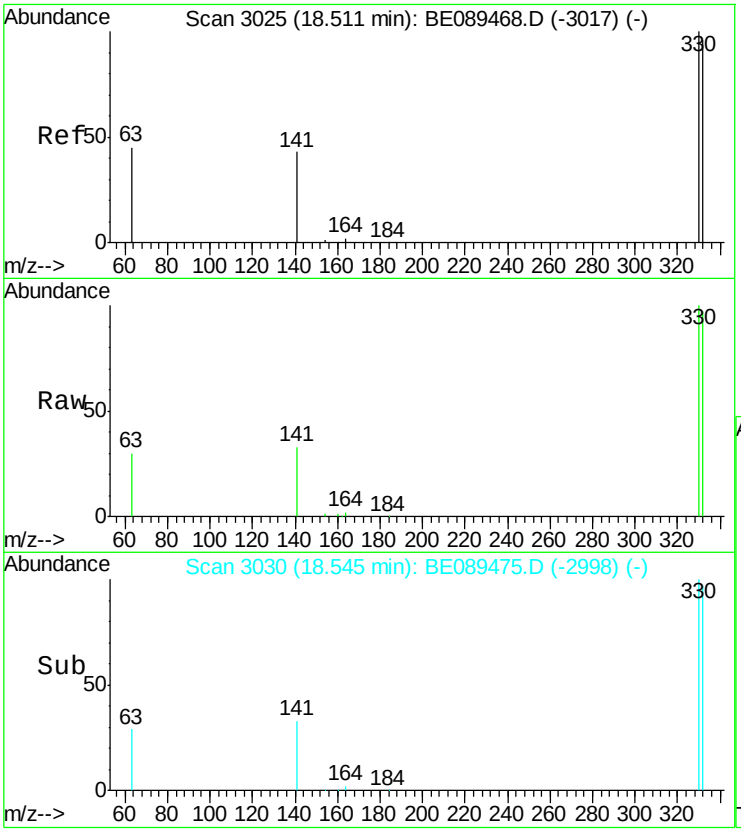




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.62 min Scan# 2746
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:164 Resp: 561616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.8 | 77.6 | 116.4 |
| 160 | 45.0 | 35.6 | 53.4 |



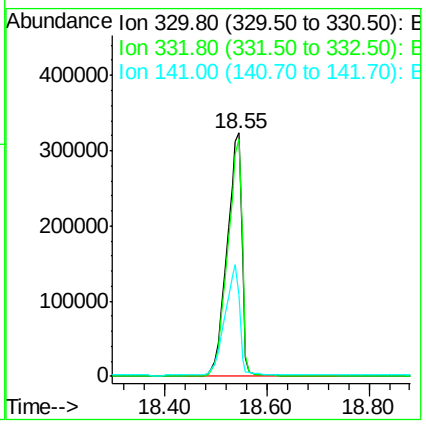


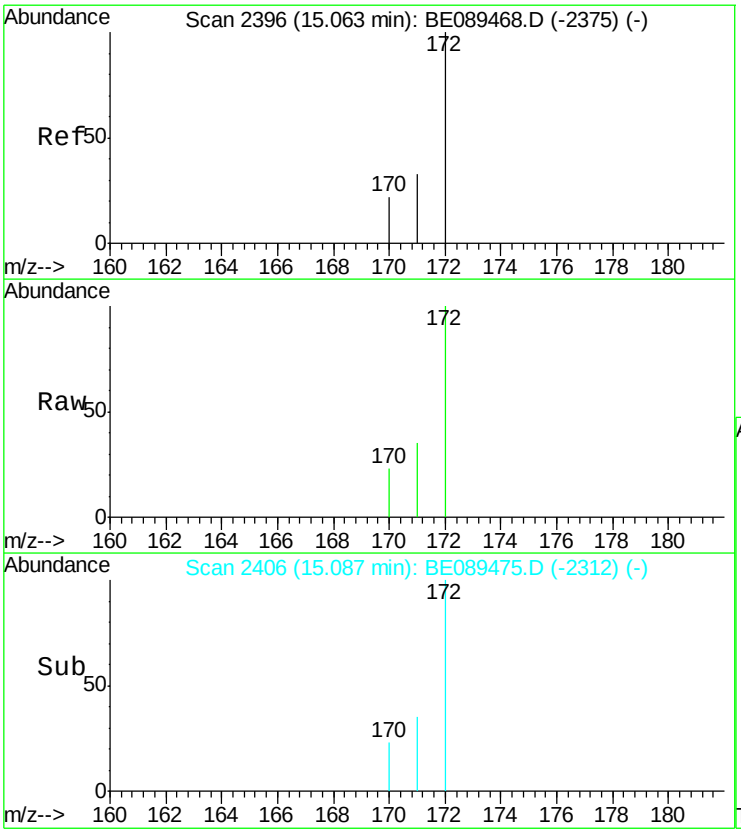

#14
2,4,6-Tribromophenol
Concen: 26.59 ng
RT: 18.55 min Scan# 3030
Delta R.T. 0.04 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:330 Resp: 654565

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 78.0 | 117.0 |
| 141 | 45.7 | 33.8 | 50.6 |

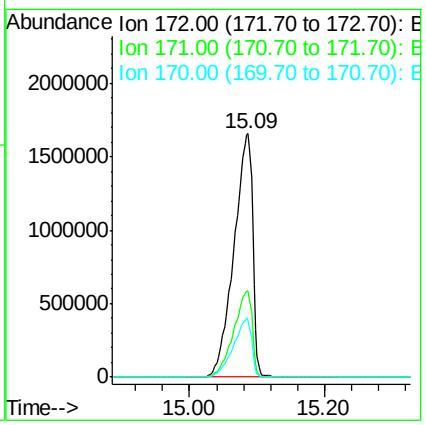


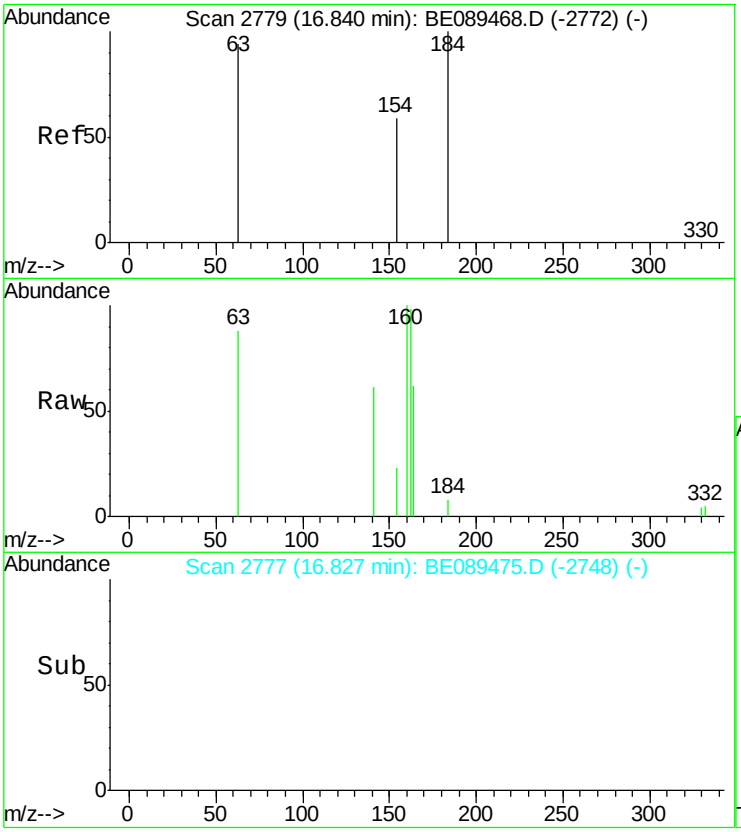




#15
2-Fluorobiphenyl
Concen: 21.63 ng
RT: 15.09 min Scan# 2406
Delta R.T. 0.02 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:172 Resp: 3201194

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 26.8 | 40.2 |
| 170 | 23.5 | 17.7 | 26.5 |



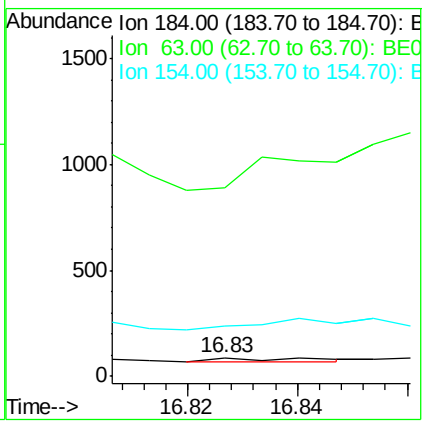


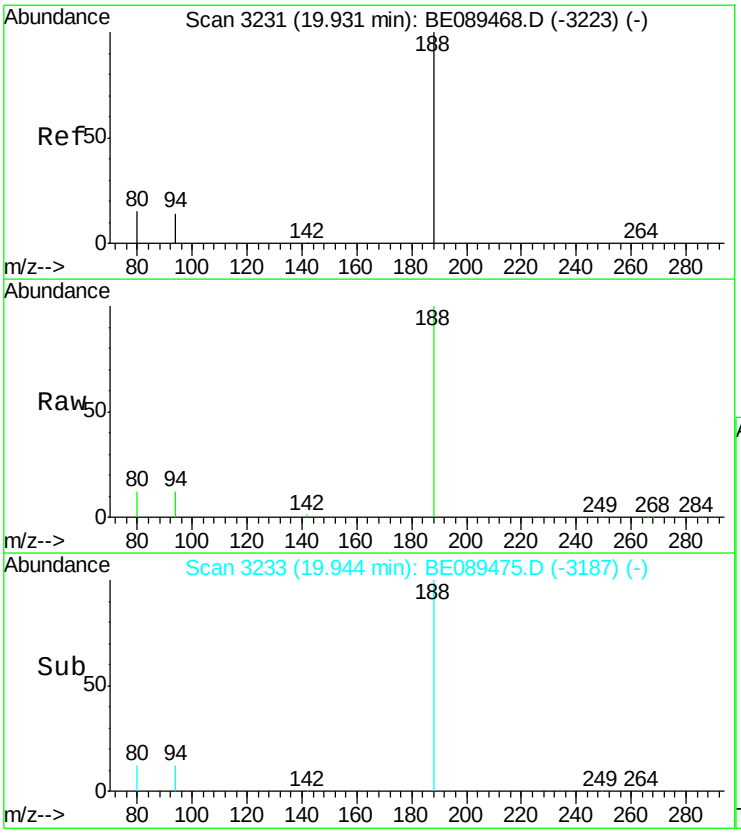

#16
2,4-Dinitrophenol
Concen: 0.40 ng
RT: 16.83 min Scan# 2777
Delta R.T. -0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:184 Resp: 26

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 1038.4 | 92.1 | 138.1# |
| 154 | 275.6 | 61.4 | 92.2# |

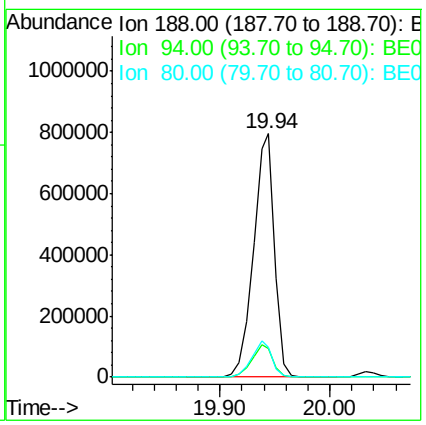


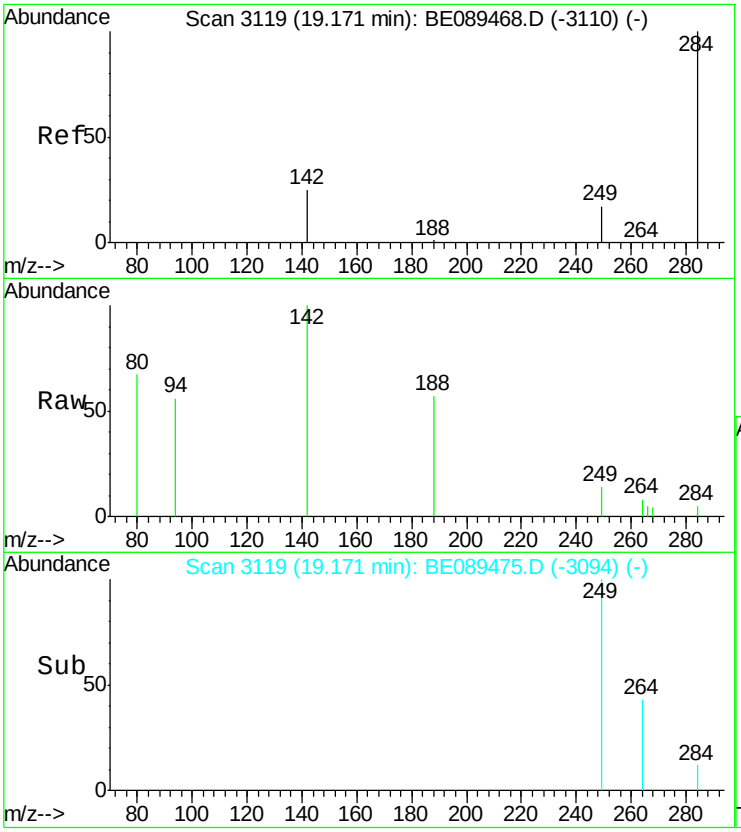




#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.94 min Scan# 3233
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:188 Resp: 1053791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.9 | 11.1 | 16.7 |
| 80 | 12.3 | 11.8 | 17.6 |



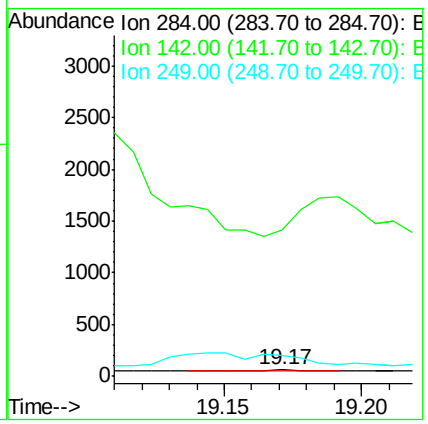


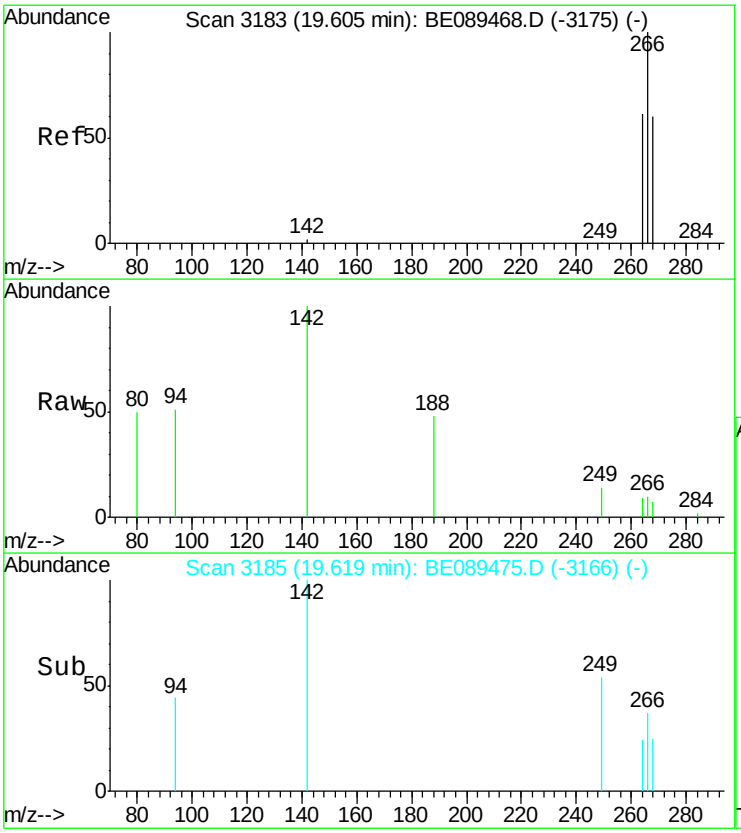

#18
Hexachlorobenzene
Concen: 0.00 ng
RT: 19.17 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:284 Resp: 25

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 2215.6 | 24.4 | 36.6# |
| 249 | 307.8 | 18.2 | 27.2# |

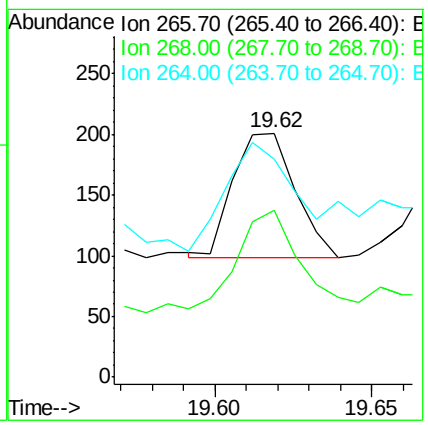


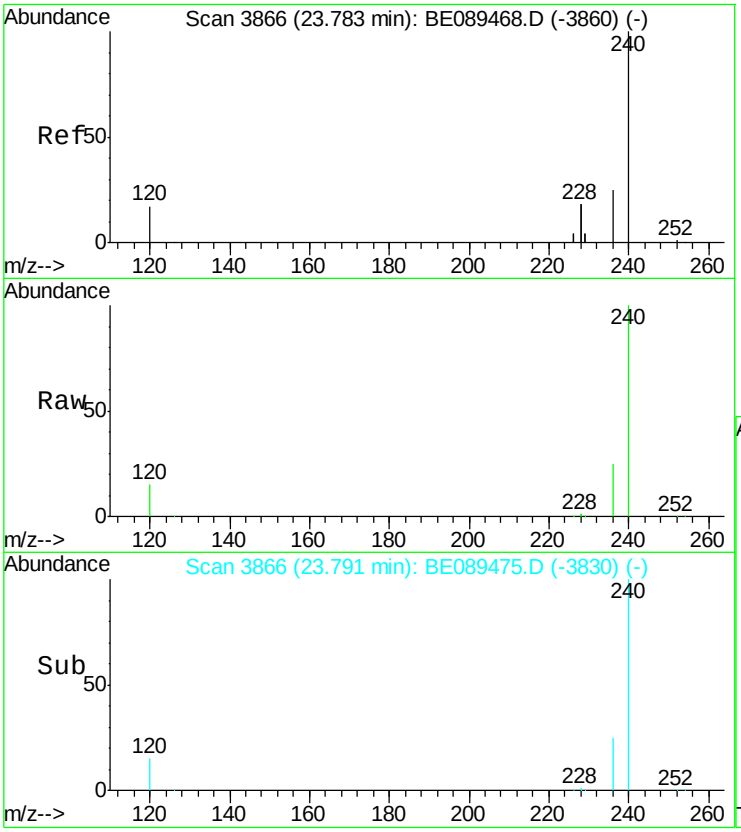




#19
Pentachlorophenol
Concen: 0.36 ng
RT: 19.62 min Scan# 3185
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:266 Resp: 140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 68.7 | 50.0 | 75.0 |
| 264 | 89.6 | 50.6 | 75.8# |



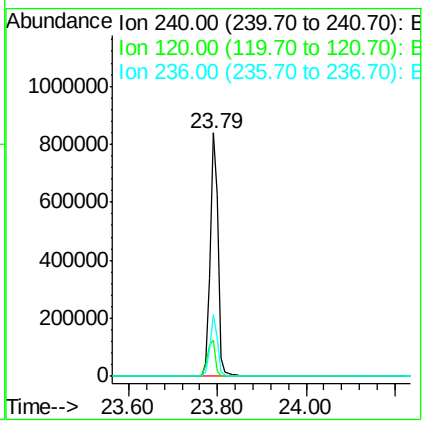


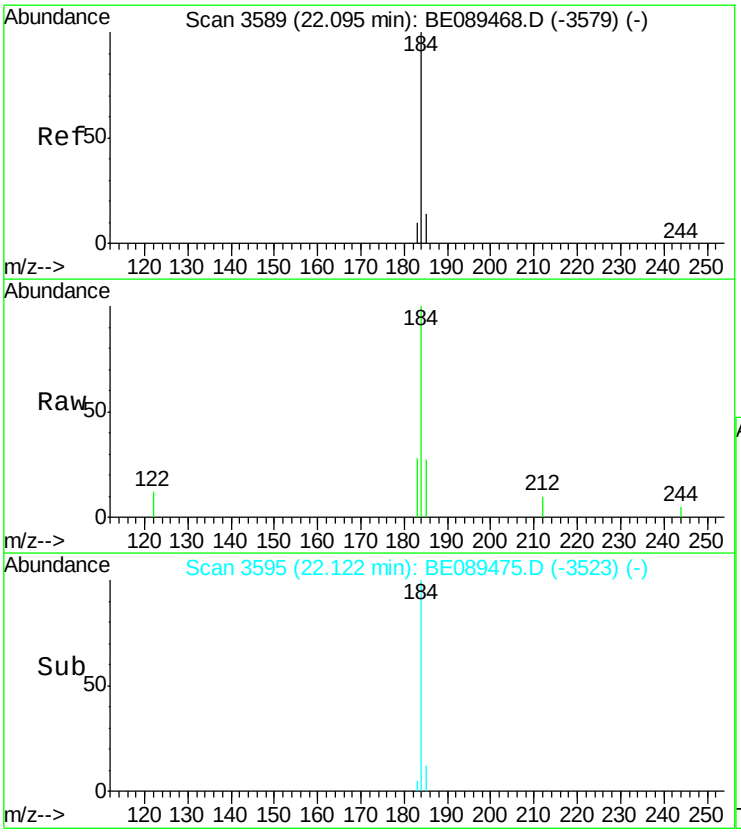

#20
Chrysene-d12
Concen: 5.00 ng
RT: 23.79 min Scan# 3866
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:240 Resp: 1016463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.9 | 13.8 | 20.6 |
| 236 | 25.4 | 20.2 | 30.2 |

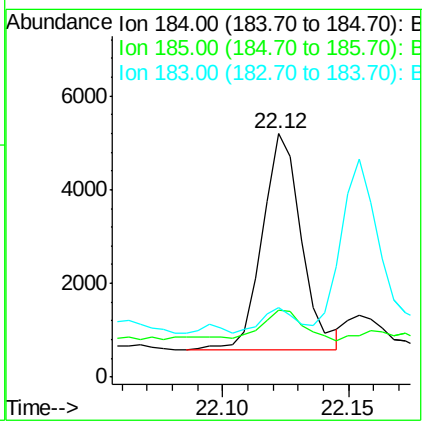


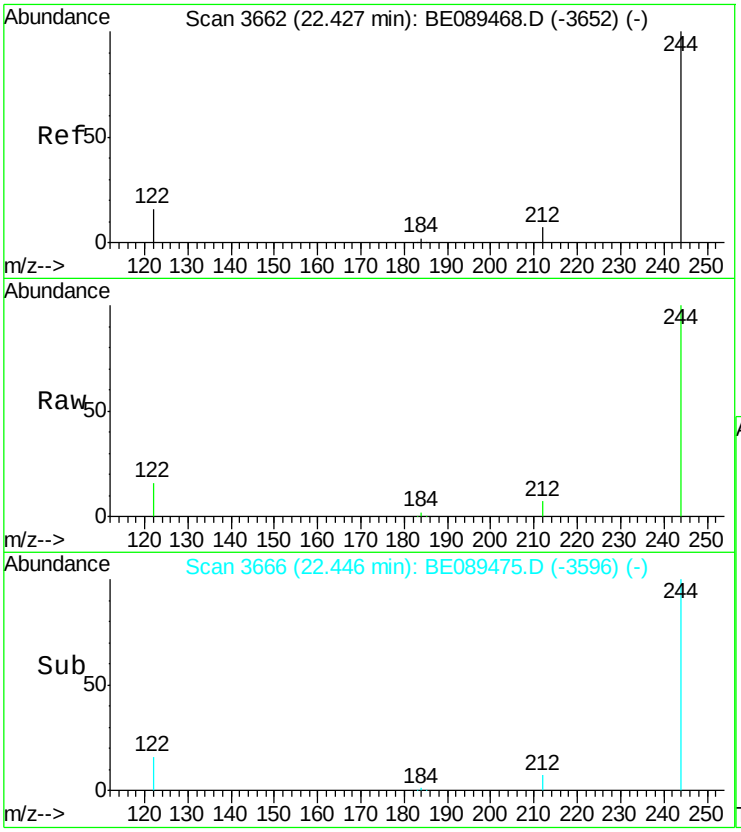




#21
Benzidine
Concen: 0.18 ng
RT: 22.12 min Scan# 3595
Delta R.T. 0.03 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:184 Resp: 4977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 27.5 | 12.0 | 18.0# |
| 183 | 28.4 | 9.0 | 13.4# |



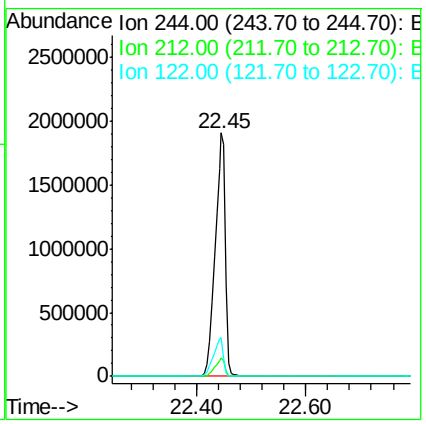


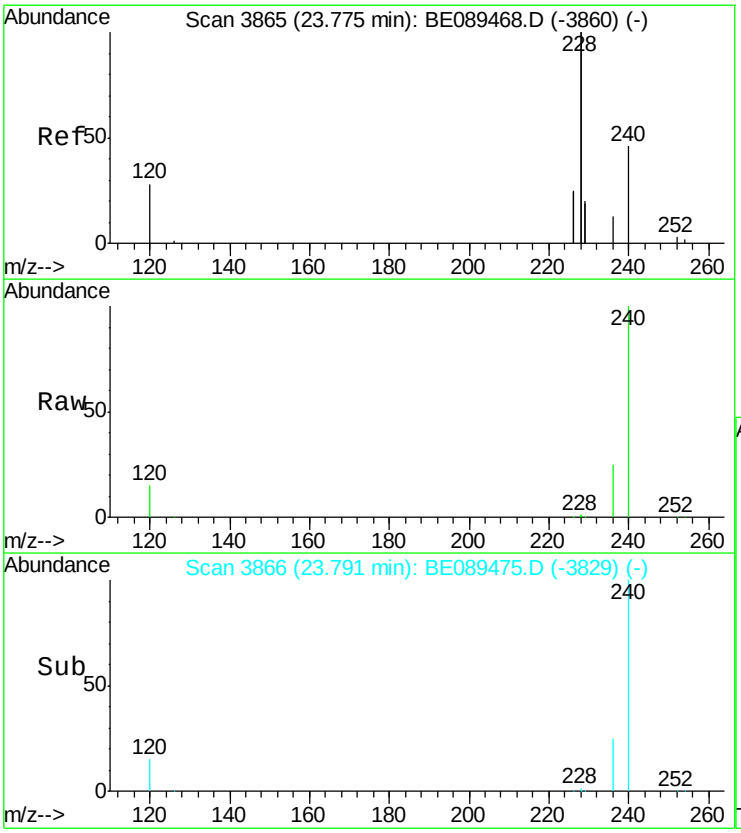

#22
Terphenyl-d14
Concen: 17.97 ng
RT: 22.45 min Scan# 3666
Delta R.T. 0.02 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:244 Resp: 2588487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.5 | 8.3 |
| 122 | 16.1 | 12.6 | 19.0 |

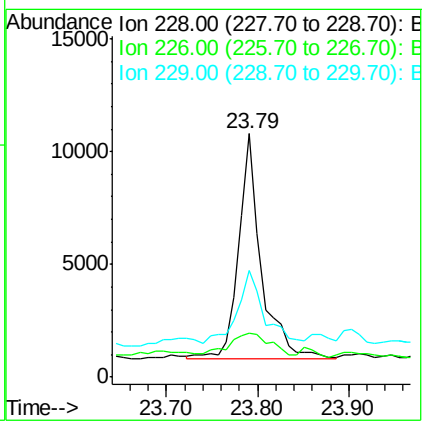


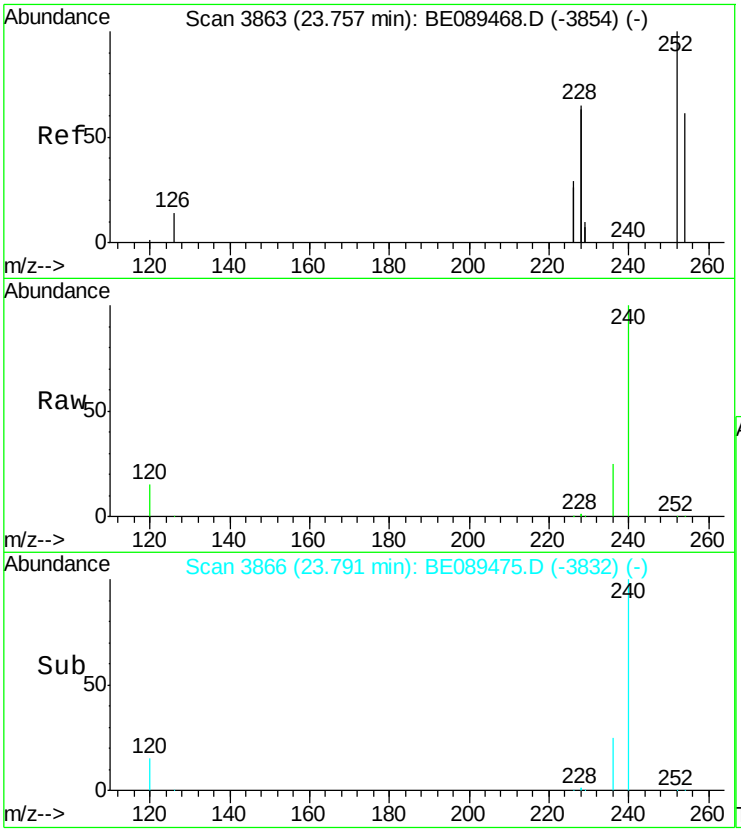




#23
Benzo(a)anthracene
Concen: 0.02 ng
RT: 23.79 min Scan# 3866
Delta R.T. 0.02 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:228 Resp: 17210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 18.2 | 19.6 | 29.4# |
| 229 | 43.9 | 15.9 | 23.9# |



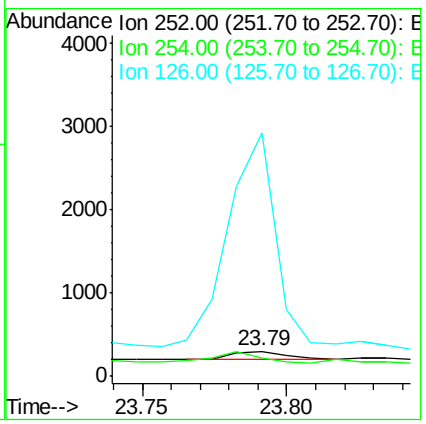


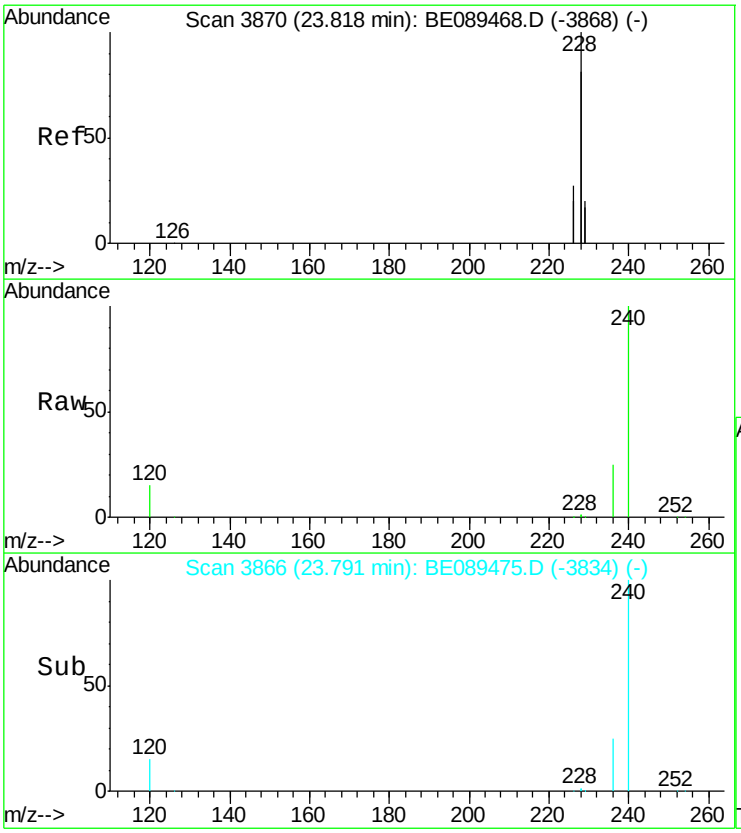

#24
3,3'-Dichlorobenzidine
Concen: 0.12 ng
RT: 23.79 min Scan# 3866
Delta R.T. 0.03 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:252 Resp: 144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 75.8 | 48.6 | 73.0# |
| 126 | 983.2 | 12.4 | 18.6# |

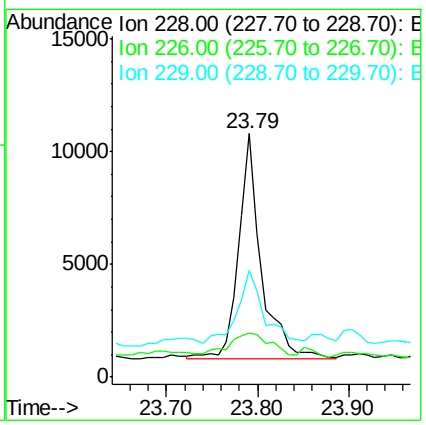


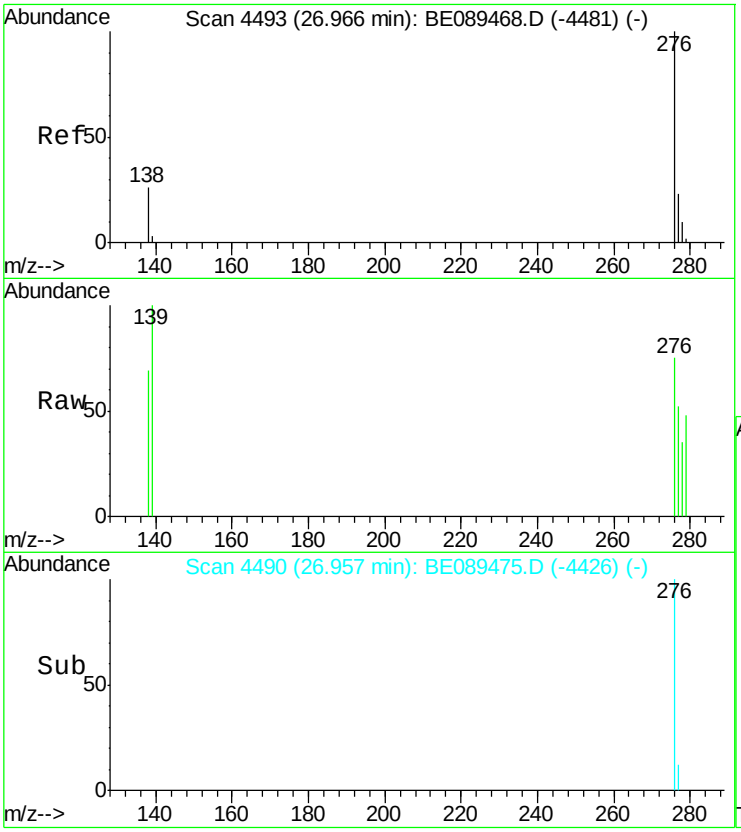




#25
Chrysene
Concen: 0.02 ng
RT: 23.79 min Scan# 3866
Delta R.T. -0.03 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:228 Resp: 17210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 18.2 | 21.8 | 32.8# |
| 229 | 43.9 | 16.2 | 24.2# |



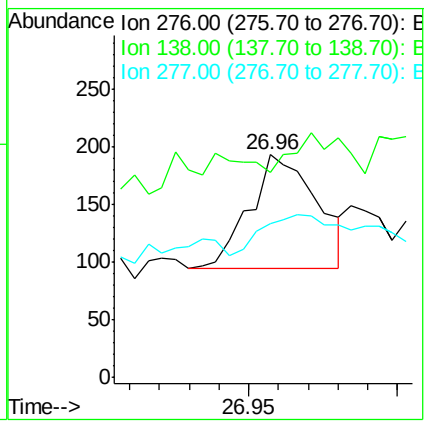


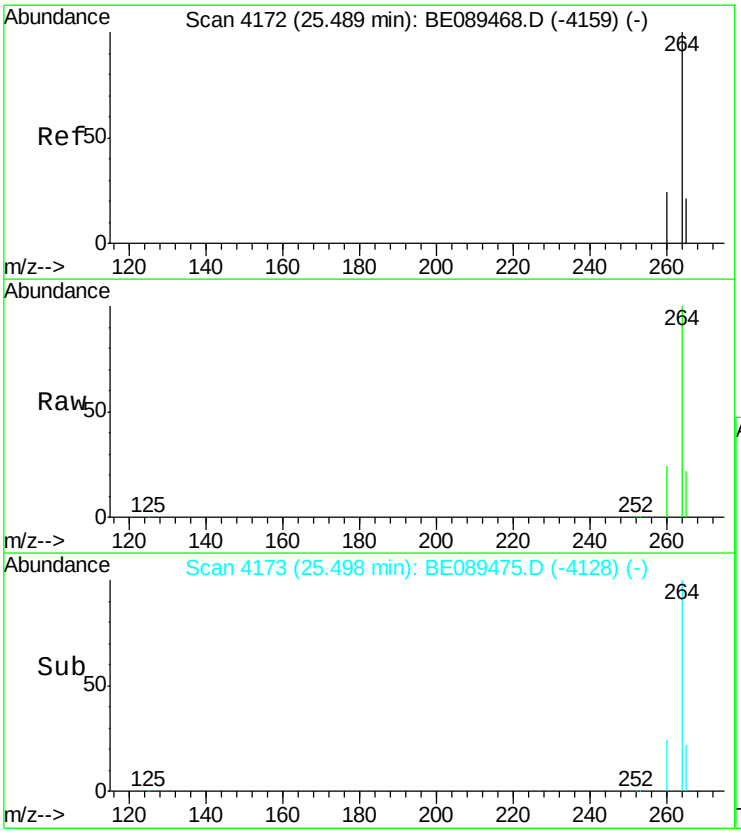

#26
Indeno(1,2,3-cd)pyrene
Concen: 0.13 ng
RT: 26.96 min Scan# 4490
Delta R.T. -0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:276 Resp: 155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.5 | 24.2 | 36.4 |
| 277 | 58.1 | 19.9 | 29.9# |

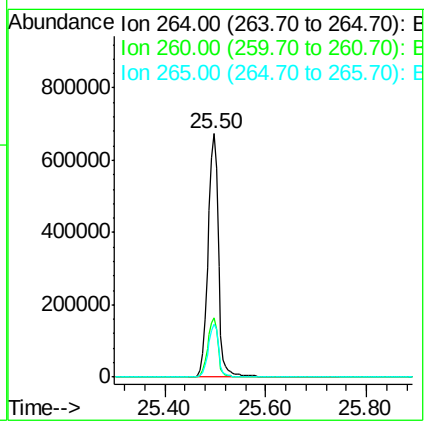


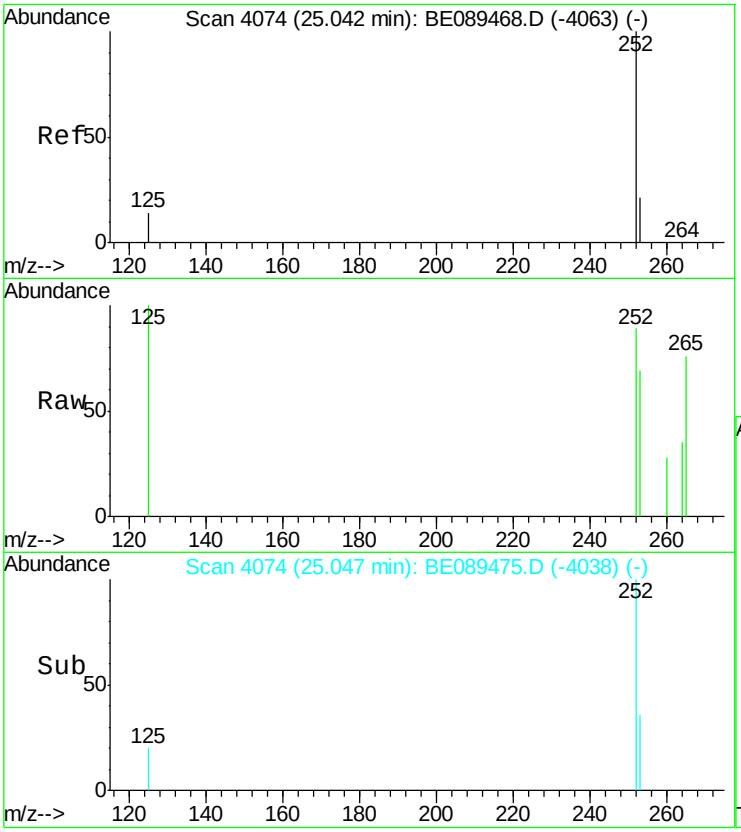




#27
Perylene-d12
Concen: 5.00 ng
RT: 25.50 min Scan# 4173
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:264 Resp: 956483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.1 | 28.7 |
| 265 | 21.6 | 17.0 | 25.6 |



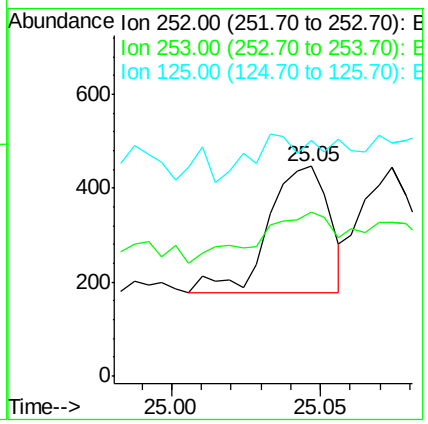


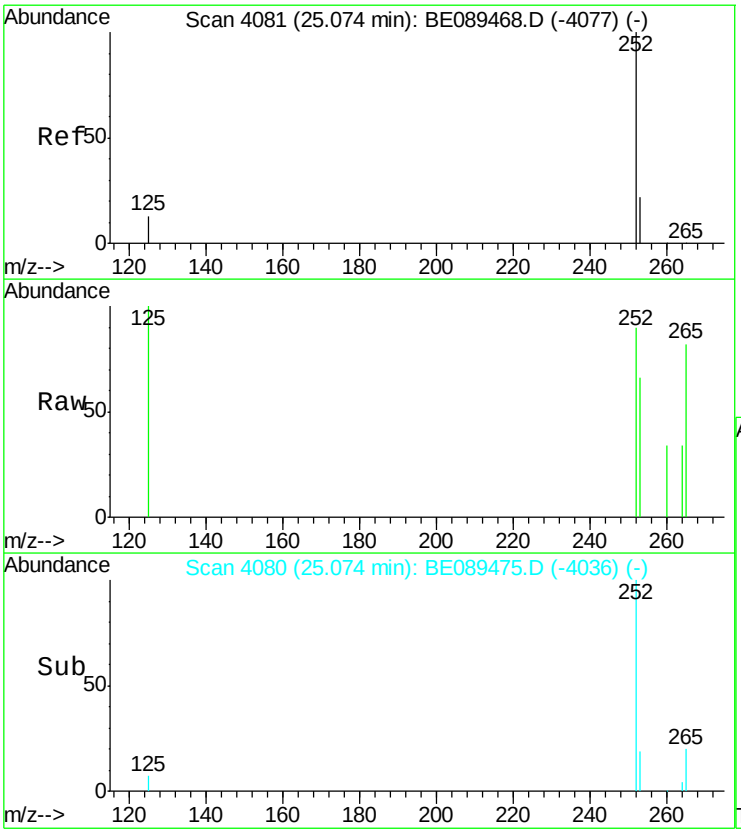

#28
Benzo(b)fluoranthene
Concen: 0.18 ng
RT: 25.05 min Scan# 4074
Delta R.T. 0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:252 Resp: 384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 78.1 | 17.4 | 26.2# |
| 125 | 112.5 | 11.3 | 16.9# |

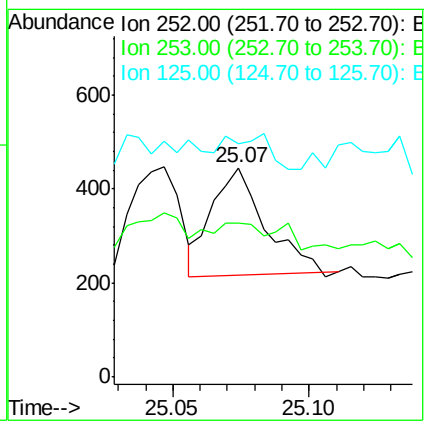


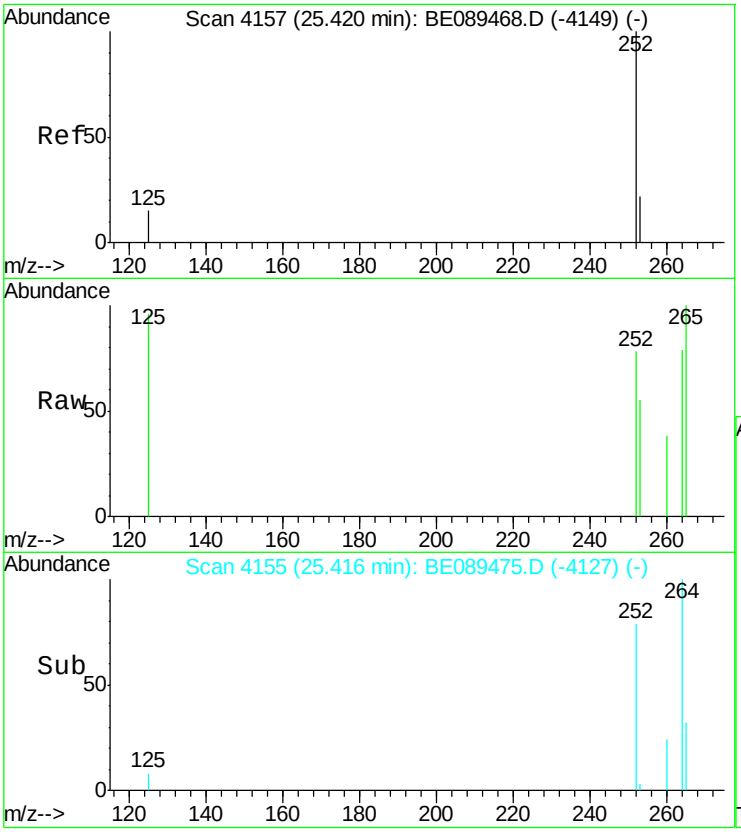




#29
Benzo(k)fluoranthene
Concen: 0.00 ng
RT: 25.07 min Scan# 4080
Delta R.T. -0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:252 Resp: 309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 73.5 | 17.9 | 26.9# |
| 125 | 111.7 | 10.6 | 15.8# |



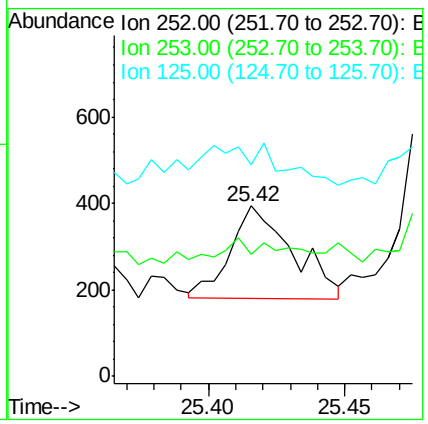


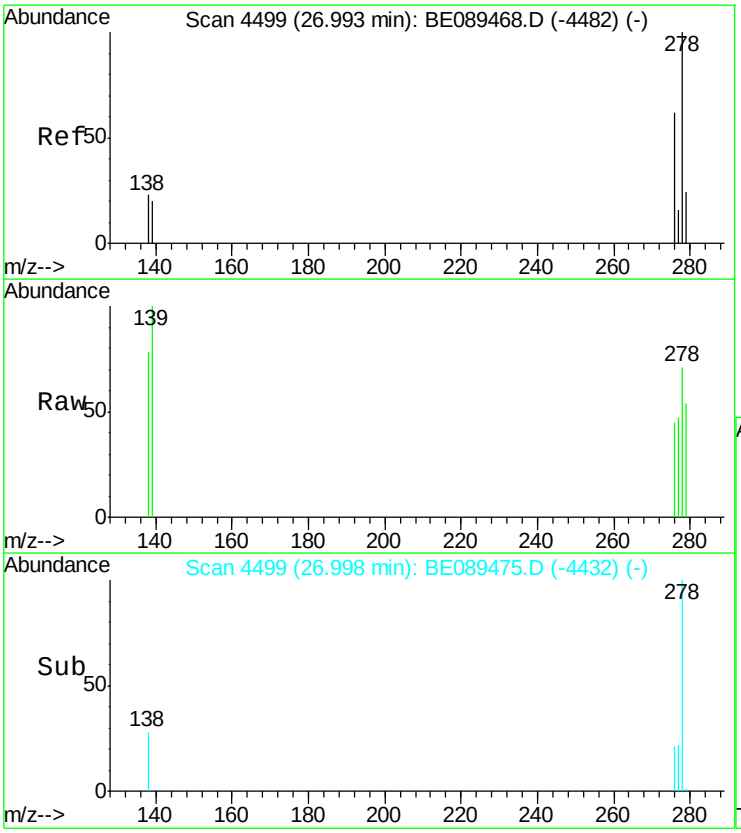

#30
Benzo(a)pyrene
Concen: 0.17 ng
RT: 25.42 min Scan# 4155
Delta R.T. -0.00 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

**Instrument :**
BNA_E
**ClientSampleId :**
SUMP

Tgt Ion:252 Resp: 339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 71.5 | 18.2 | 27.2# |
| 125 | 124.2 | 12.2 | 18.4# |




#31
Dibenzo(a,h)anthracene
Concen: 0.15 ng
RT: 27.00 min Scan# 4499
Delta R.T. 0.01 min
Lab File: BE089475.D
Acq: 3 Feb 2015 22:11

Tgt Ion:278 Resp: 245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 140.0 | 16.8 | 25.2# |
| 279 | 75.3 | 19.4 | 29.0# |