Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089454.D
Acq On : 31 Jan 2015 1:50
Operator : TP/IZ
Sample : DFTPP
Misc : G
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 02 01:00:11 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 9.59 | 152 | 167 | 5.00 | ng | | 0.00 |
| 2) Naphthalene-d8 | 12.49 | 136 | 89 | 5.00 | ng | | 0.00 |
| 6) Acenaphthene-d10 | 16.66 | 164 | 97 | 5.00 | ng | | -0.04 |
| 11) Phenanthrene-d10 | 19.93 | 188 | 213 | 5.00 | ng | | -0.07 |
| 16) Chrysene-d12 | 23.78 | 240 | 37 | 5.00 | ng | | -0.07 |
| 22) Perylene-d12 | 25.47 | 264 | 371 | 5.00 | ng | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 3) Nitrobenzene-d5 | 10.83 | 82 | 100 | 16.97 | ng | | -0.02 |
| 7) 2-Fluorobiphenyl | 15.10 | 172 | 196 | 7.67 | ng | | -0.04 |
| 18) Terphenyl-d14 | 22.41 | 244 | 383 | 69.13 | ng | | -0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 4) Naphthalene | 12.53 | 128 | 241 | 11.54 | ng | # | 1 |
| 5) 2-Methylnaphthalene | 14.19 | 142 | 34 | 2.69 | ng | # | 43 |
| 8) Acenaphthylene | 16.30 | 152 | 185 | 1.06 | ng | # | 1 |
| 9) Acenaphthene | 16.72 | 154 | 663 | 25.29 | ng | # | 1 |
| 10) Fluorene | 17.95 | 166 | 164 | 5.63 | ng | # | 17 |
| 12) Pentachlorophenol | 19.66 | 266 | 110016 | 768.64 | ng | | 98 |
| 13) Phenanthrene | 19.96 | 178 | 58 | 0.28 | ng | # | 1 |
| 14) Anthracene | 20.07 | 178 | 72 | 0.38 | ng | # | 1 |
| 15) Fluoranthene | 21.81 | 202 | 208 | 4.55 | ng | # | 34 |
| 17) Pyrene | 22.14 | 202 | 129 | 13.14 | ng | # | 47 |
| 19) Benzo(a)anthracene | 23.78 | 228 | 96 | 3.08 | ng | # | 1 |
| 20) Chrysene | 23.82 | 228 | 48 | 1.37 | ng | # | 1 |
| 21) Indeno(1,2,3-cd)pyrene | 26.96 | 276 | 102 | 3.32 | ng | # | 12 |
| 23) Benzo(b)fluoranthene | 25.06 | 252 | 127 | 2.04 | ng | | 92 |
| 24) Benzo(k)fluoranthene | 25.04 | 252 | 93 | 0.98 | ng | # | 1 |
| 25) Benzo(a)pyrene | 25.41 | 252 | 143 | 2.20 | ng | # | 1 |
| 26) Dibenzo(a,h)anthracene | 26.99 | 278 | 115 | 1.60 | ng | # | 19 |
| 27) Benzo(g,h,i)perylene | 27.44 | 276 | 61 | 0.21 | ng | # | 1 |

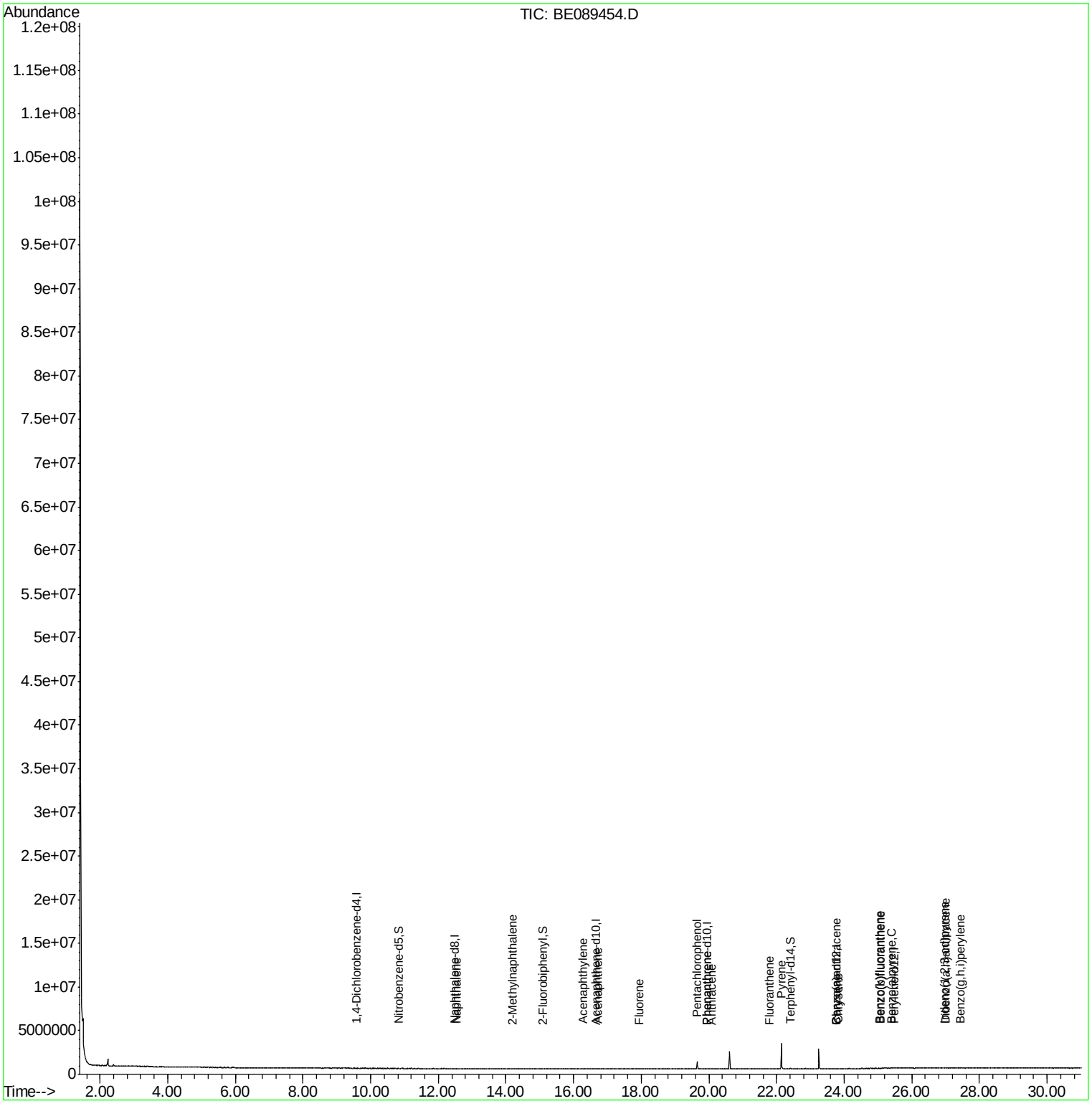
(#) = qualifier out of range (m) = manual integration (+) = signals summed

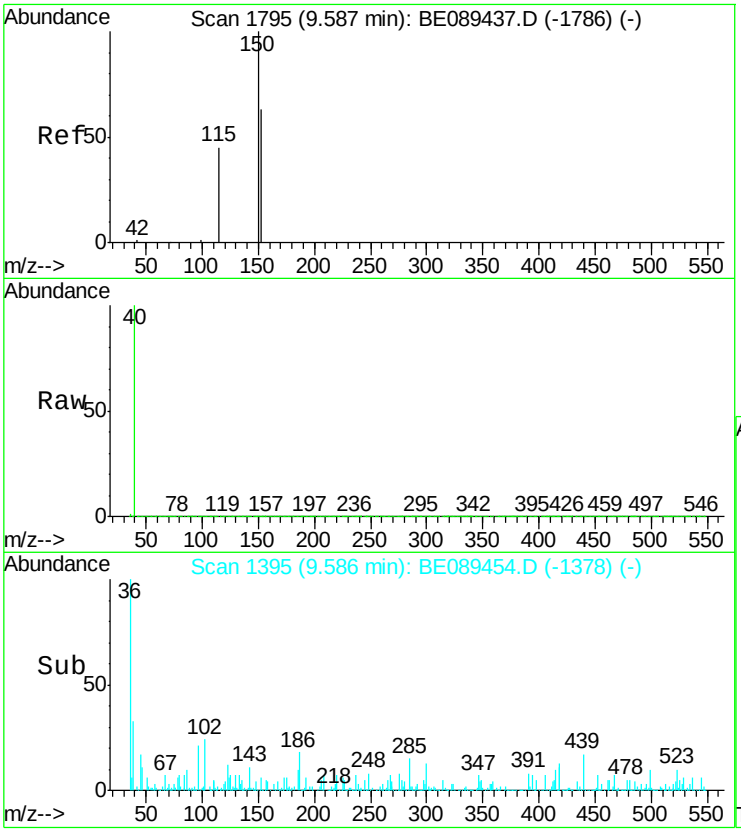
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
Data File : BE089454.D
Acq On : 31 Jan 2015 1:50
Operator : TP/IZ
Sample : DFTPP
Misc : G
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Feb 02 01:00:11 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 31 05:05:18 2015
Response via : Initial Calibration



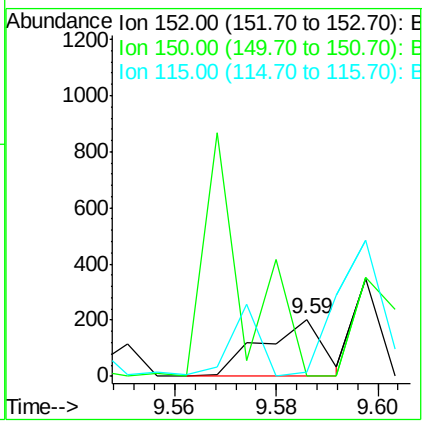


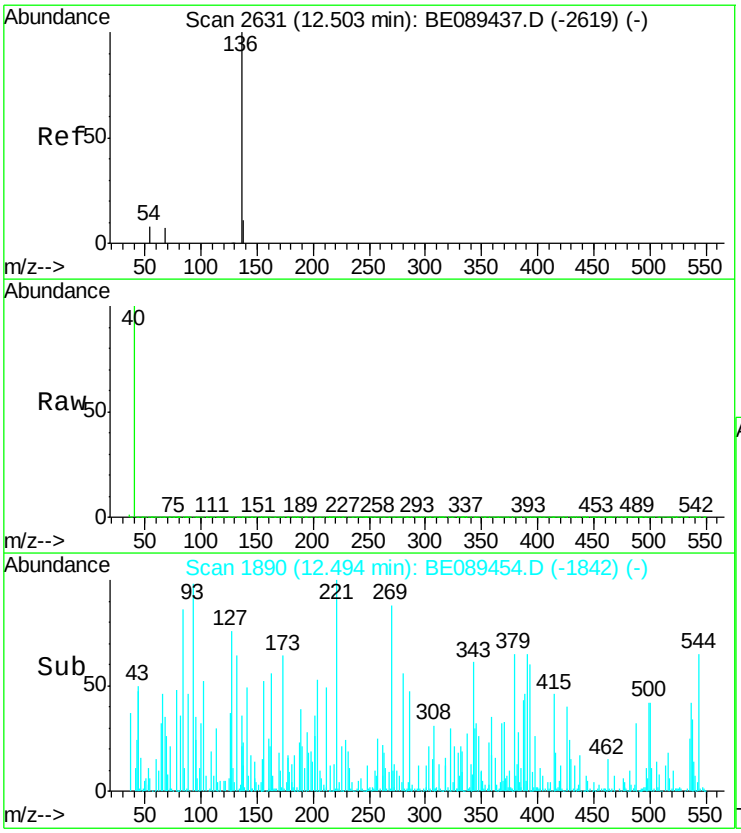

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 9.59 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:152 Resp: 167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 5.4 | 127.2 | 190.8# |
| 115 | 6.9 | 57.5 | 86.3# |

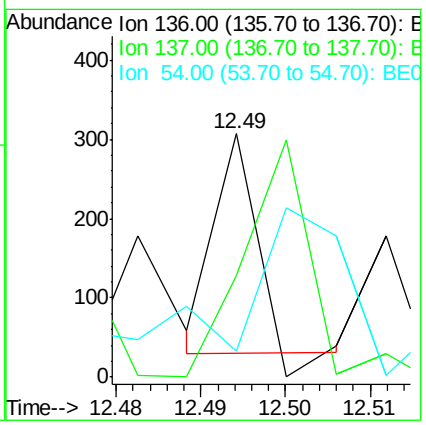


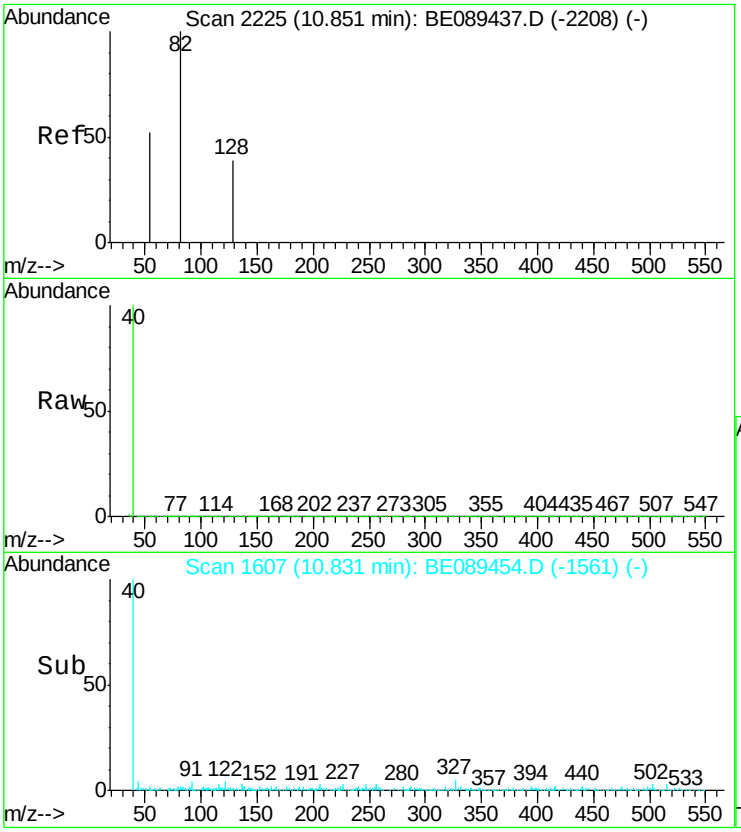




#2
Naphthalene-d8
Concen: 5.00 ng
RT: 12.49 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:136 Resp: 89

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 41.7 | 8.7 | 13.1# |
| 54 | 10.7 | 6.6 | 10.0# |



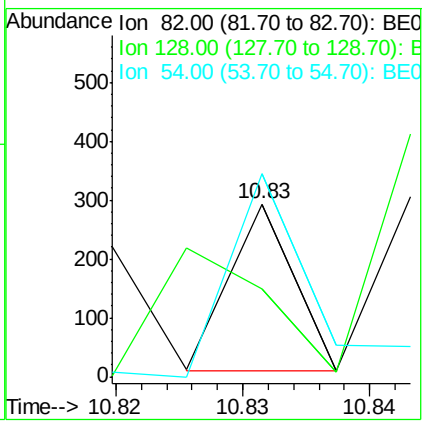


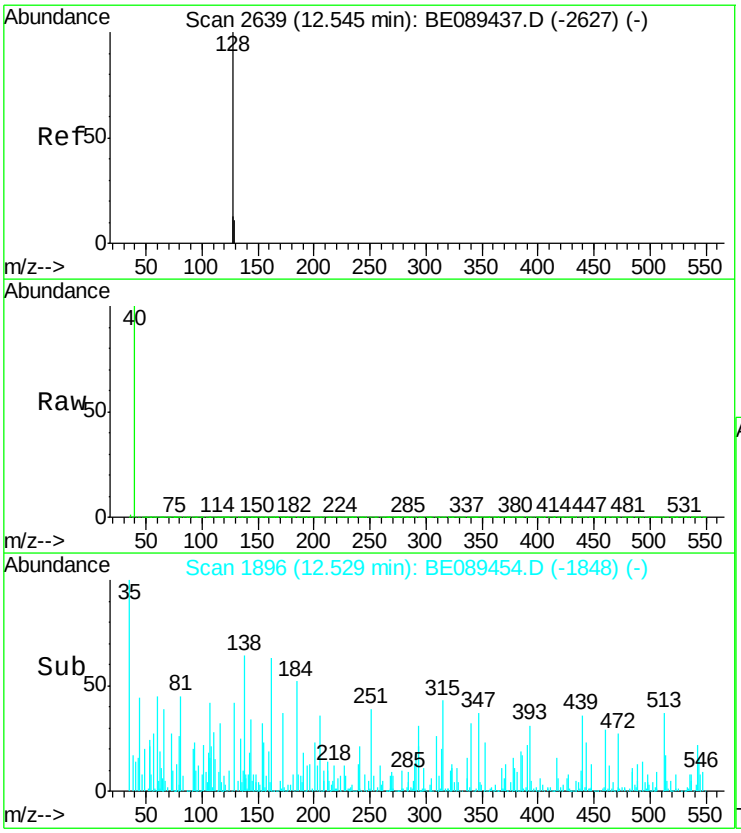

#3
Nitrobenzene-d5
Concen: 16.97 ng
RT: 10.83 min Scan# 1607
Delta R.T. -0.02 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion: 82 Resp: 100

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.2 | 31.2 | 46.8# |
| 54 | 118.1 | 41.9 | 62.9# |

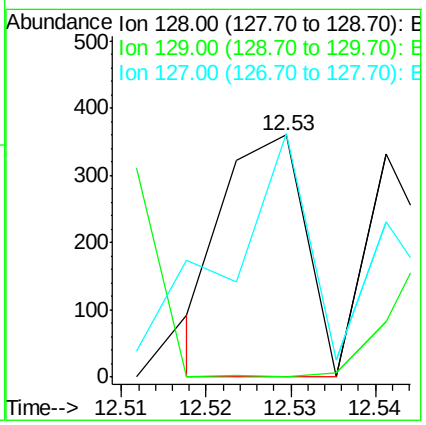


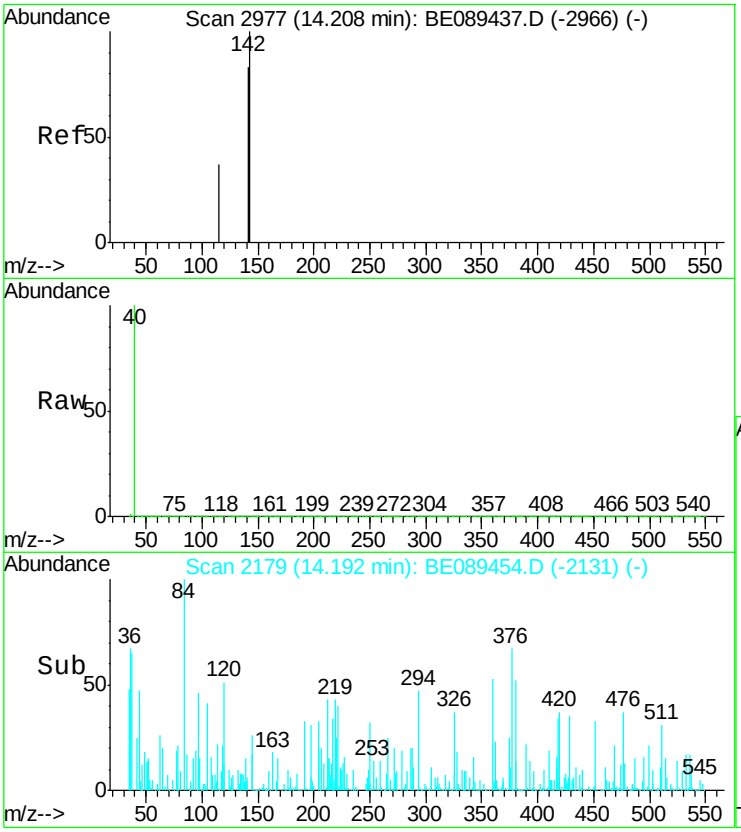




#4
Naphthalene
Concen: 11.54 ng
RT: 12.53 min Scan# 1896
Delta R.T. -0.02 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:128 Resp: 241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 0.3 | 8.8 | 13.2# |
| 127 | 100.6 | 10.6 | 16.0# |



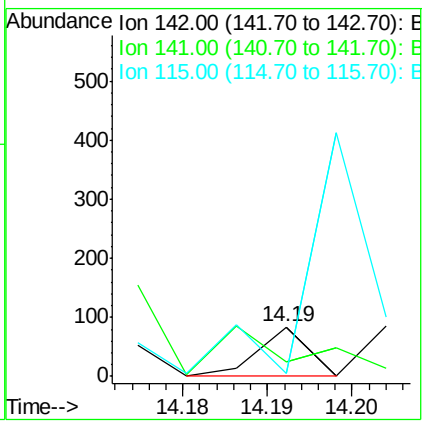


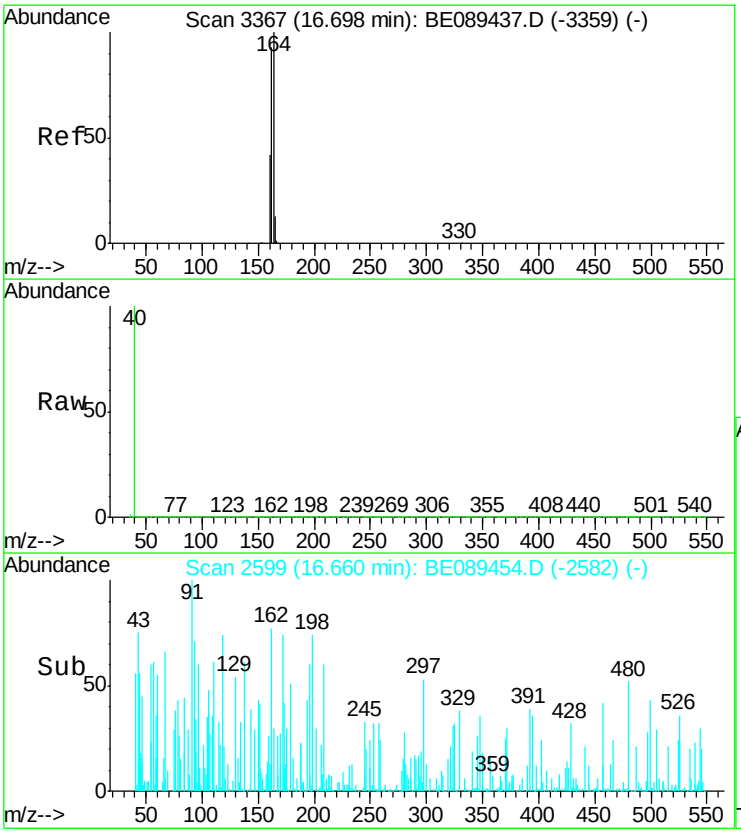

#5
2-Methylnaphthalene
Concen: 2.69 ng
RT: 14.19 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:142 Resp: 34

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 28.6 | 66.1 | 99.1# |
| 115 | 7.1 | 29.9 | 44.9# |

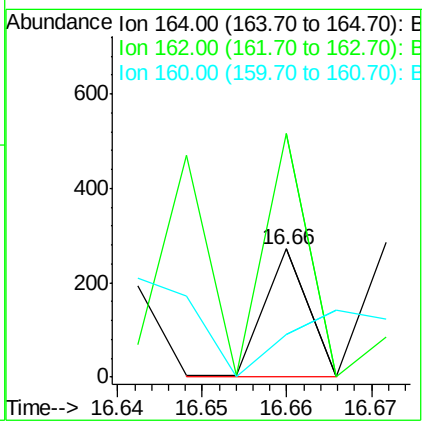


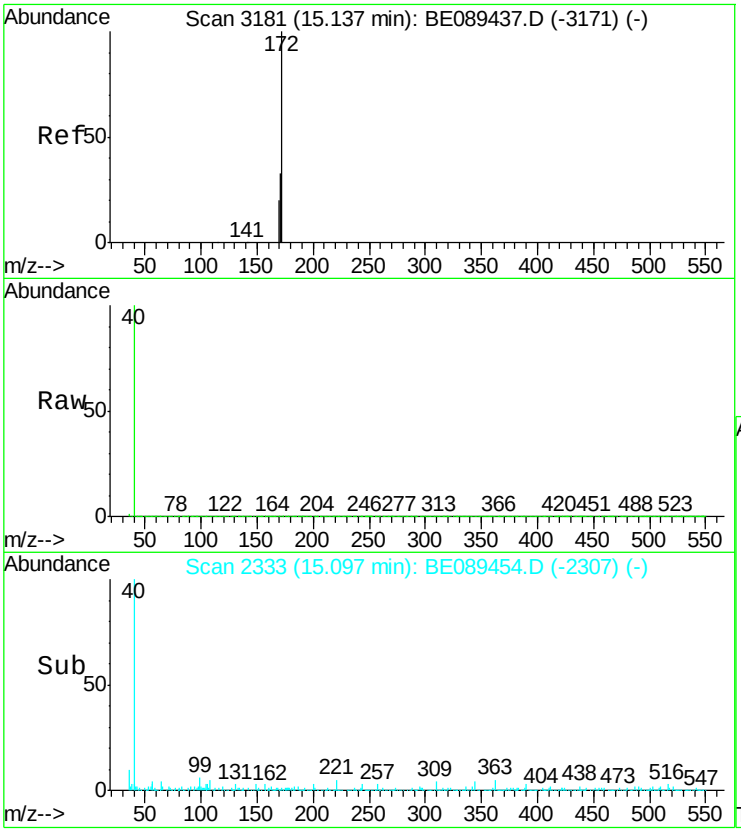




#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.66 min Scan# 2599
Delta R.T. -0.04 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:164 Resp: 97

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 189.7 | 74.7 | 112.1# |
| 160 | 33.1 | 33.4 | 50.0# |



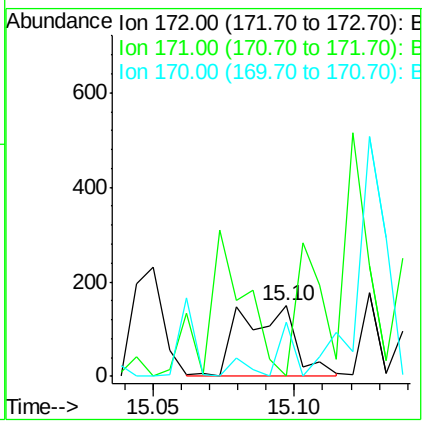


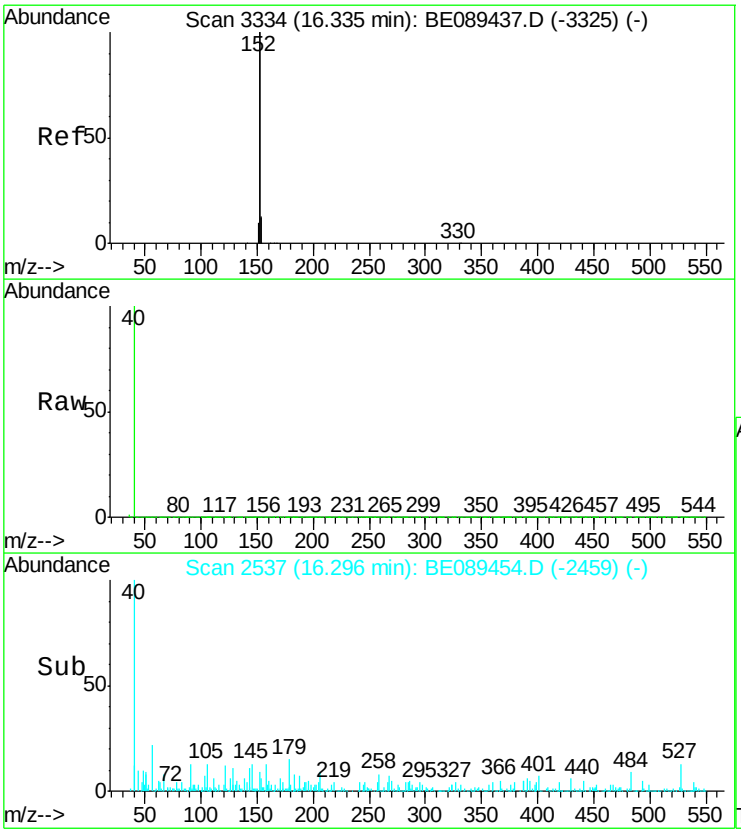

#7
2-Fluorobiphenyl
Concen: 7.67 ng
RT: 15.10 min Scan# 2333
Delta R.T. -0.04 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:172 Resp: 196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 0.0 | 26.2 | 39.4# |
| 170 | 75.2 | 16.5 | 24.7# |

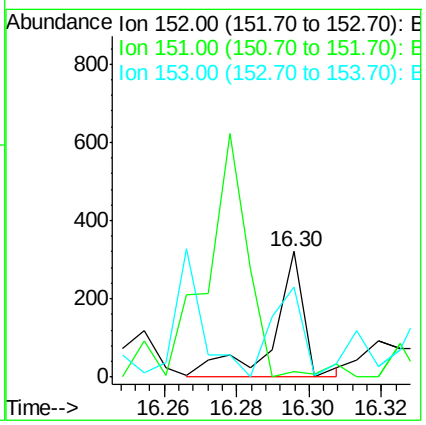


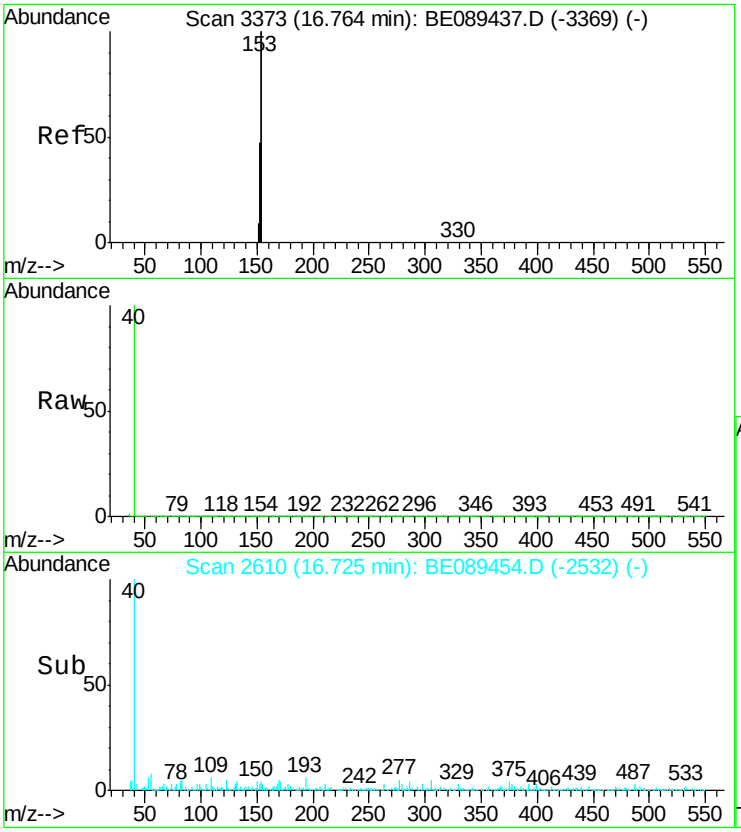




#8
Acenaphthylene
Concen: 1.06 ng
RT: 16.30 min Scan# 2537
Delta R.T. -0.04 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:152 Resp: 185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 0.0 | 3.9 | 5.9# |
| 153 | 80.0 | 10.3 | 15.5# |



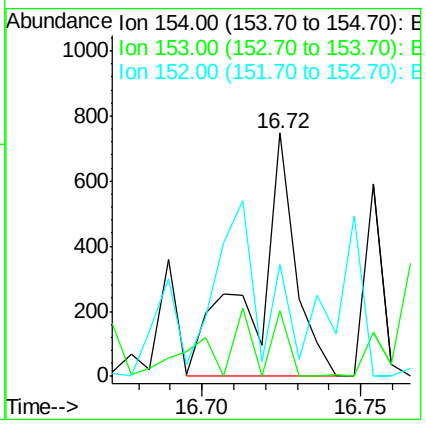


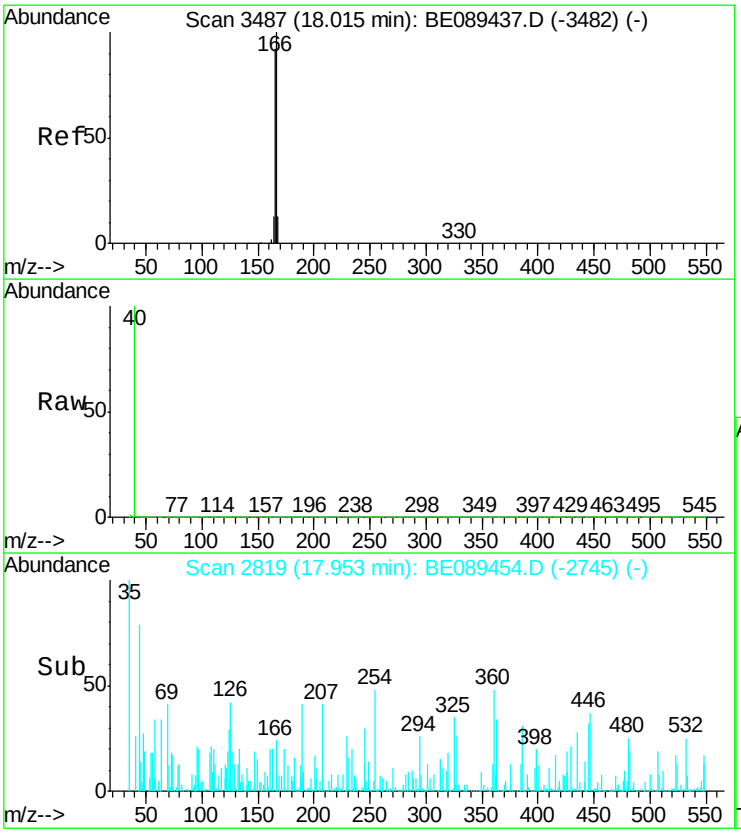

#9
Acenaphthene
Concen: 25.29 ng
RT: 16.72 min Scan# 2610
Delta R.T. -0.04 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:154 Resp: 663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 21.7 | 342.3 | 513.5# |
| 152 | 71.3 | 165.5 | 248.3# |

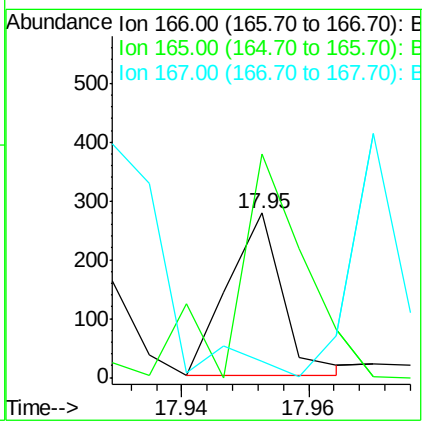


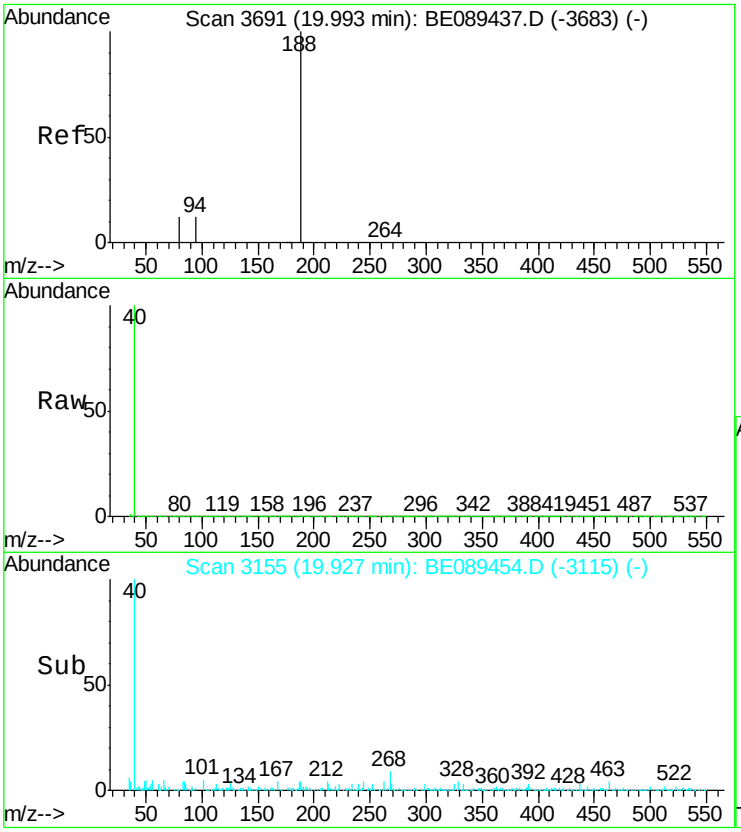




#10
Fluorene
Concen: 5.63 ng
RT: 17.95 min Scan# 2819
Delta R.T. -0.06 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:166 Resp: 164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 179.3 | 74.4 | 111.6# |
| 167 | 0.0 | 10.6 | 15.8# |



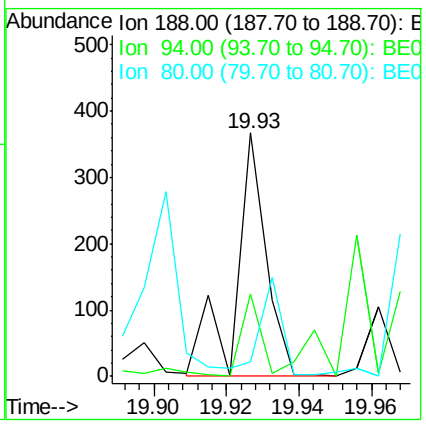


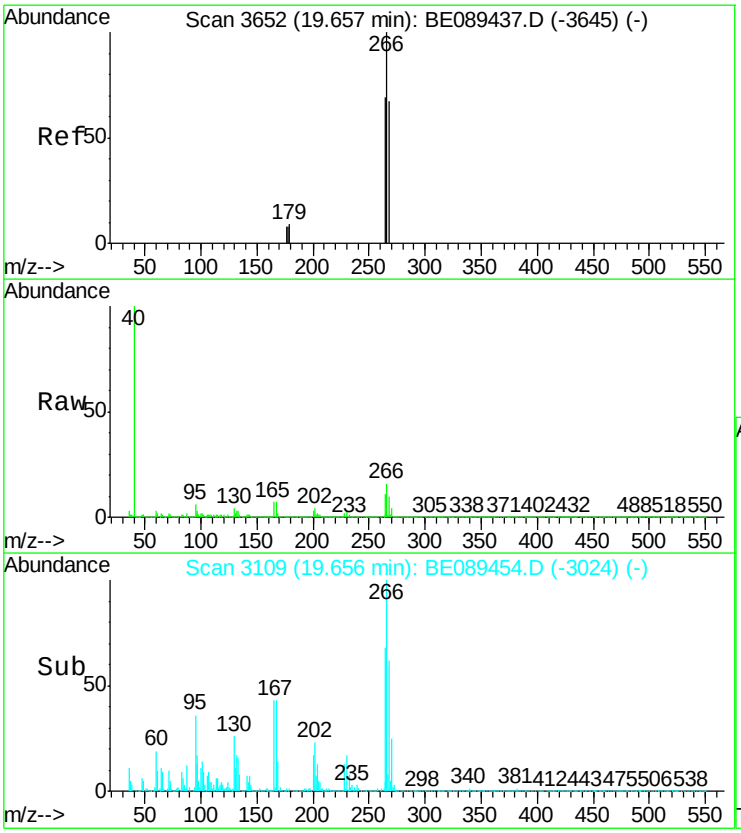

#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.93 min Scan# 3155
Delta R.T. -0.07 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:188 Resp: 213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 33.8 | 9.4 | 14.0# |
| 80 | 5.7 | 9.3 | 13.9# |

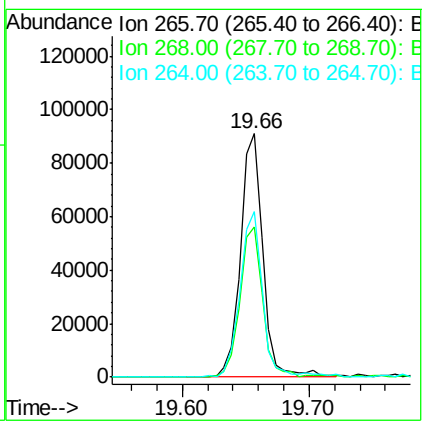


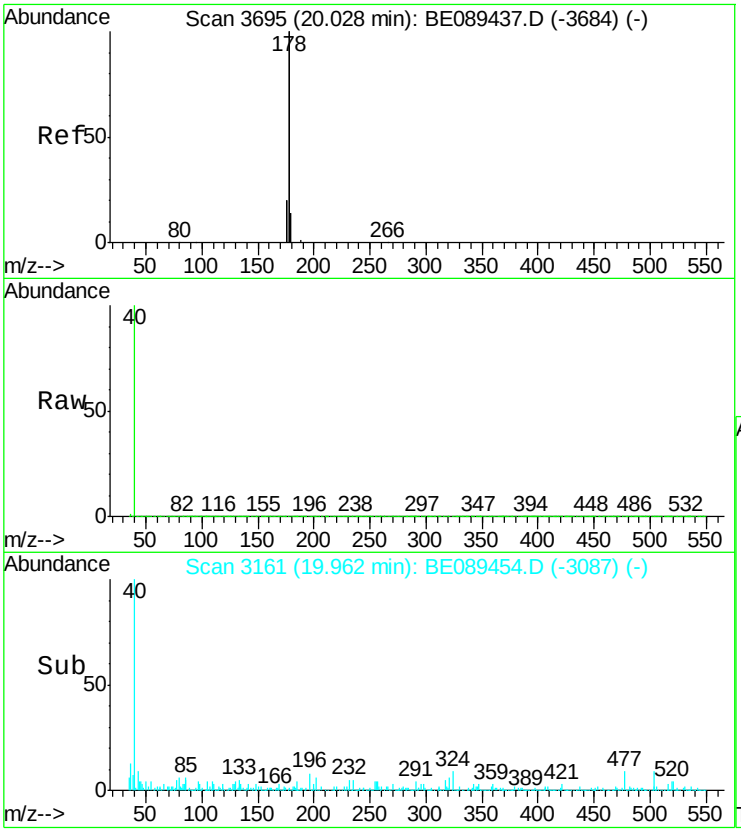




#12
Pentachlorophenol
Concen: 768.64 ng
RT: 19.66 min Scan# 3109
Delta R.T. -0.00 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:266 Resp: 110016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.0 | 54.2 | 81.4 |
| 264 | 67.8 | 56.2 | 84.2 |



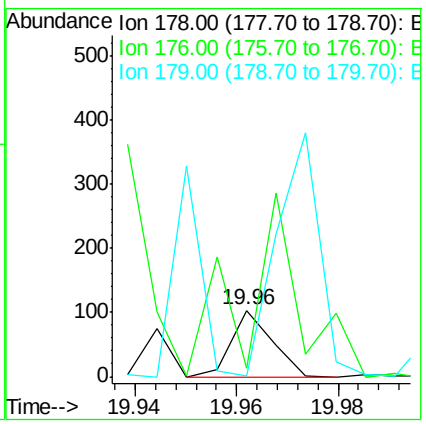


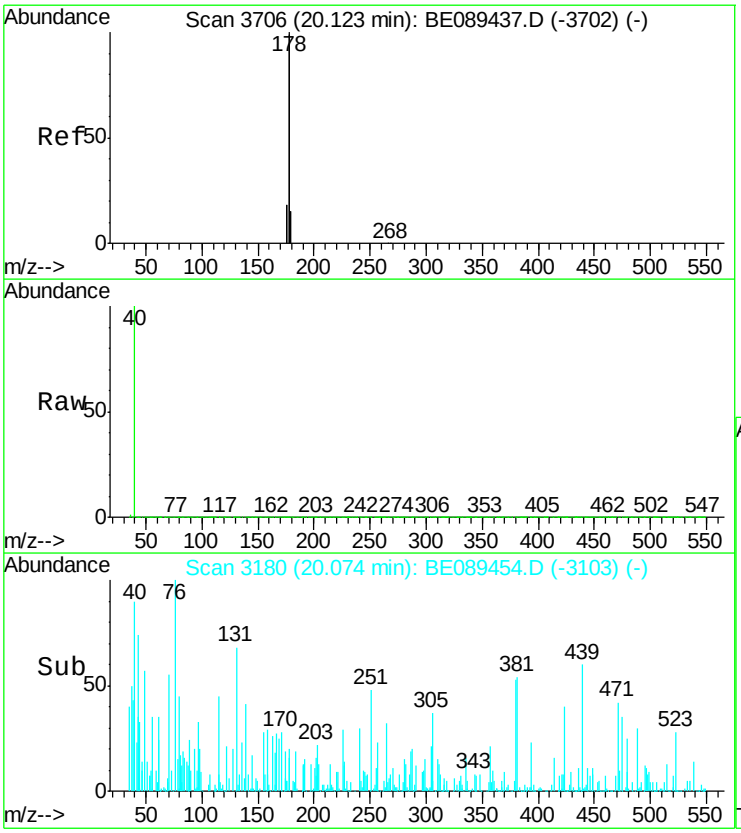

#13
Phenanthrene
Concen: 0.28 ng
RT: 19.96 min Scan# 3161
Delta R.T. -0.07 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:178 Resp: 58

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 379.3 | 15.1 | 22.7# |
| 179 | 379.3 | 12.3 | 18.5# |

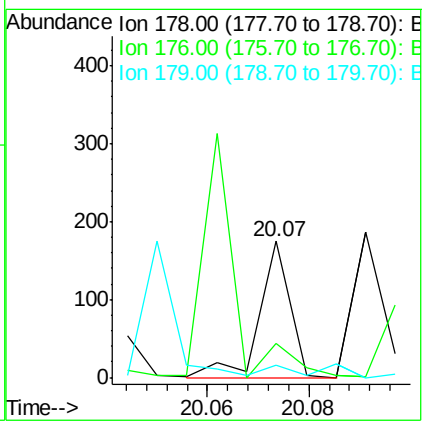


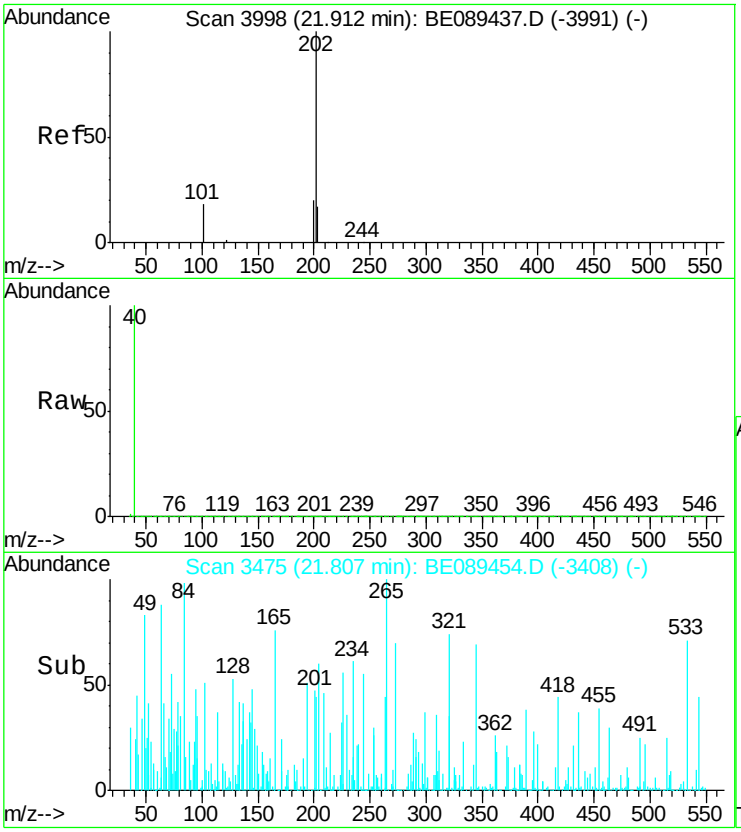




#14
Anthracene
Concen: 0.38 ng
RT: 20.07 min Scan# 3180
Delta R.T. -0.05 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:178 Resp: 72

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 183.3 | 14.6 | 22.0# |
| 179 | 0.0 | 12.2 | 18.2# |



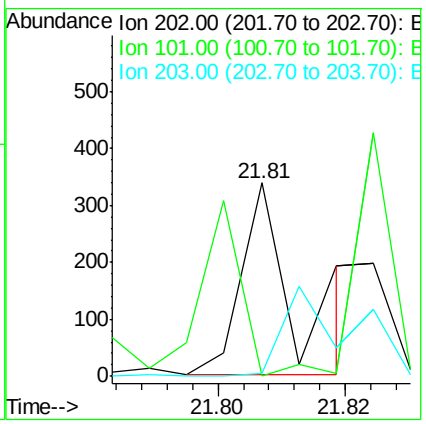


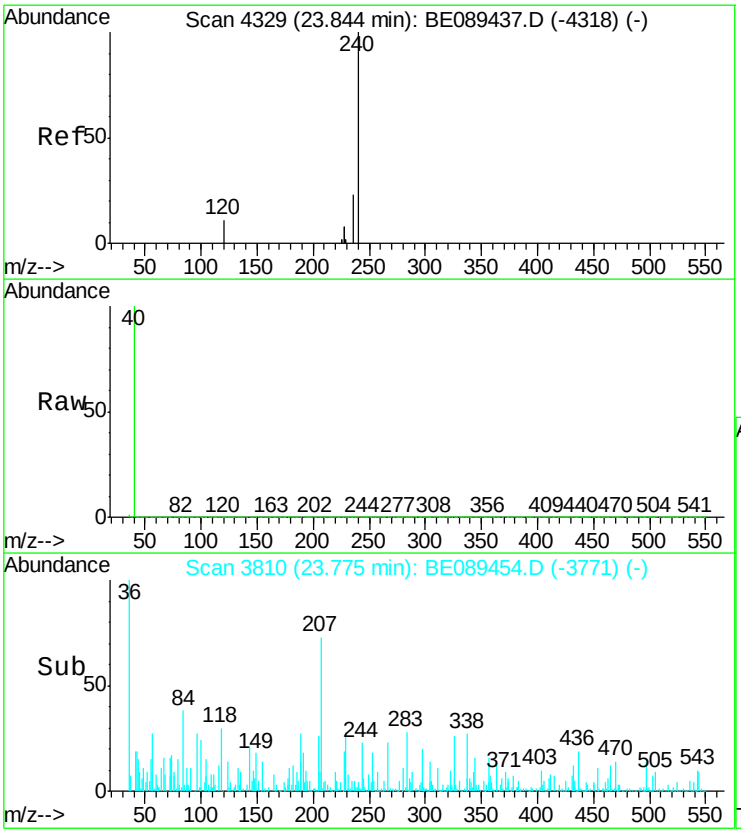

#15
Fluoranthene
Concen: 4.55 ng
RT: 21.81 min Scan# 3475
Delta R.T. -0.11 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:202 Resp: 208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 13.6 | 20.4# |
| 203 | 57.2 | 13.8 | 20.6# |

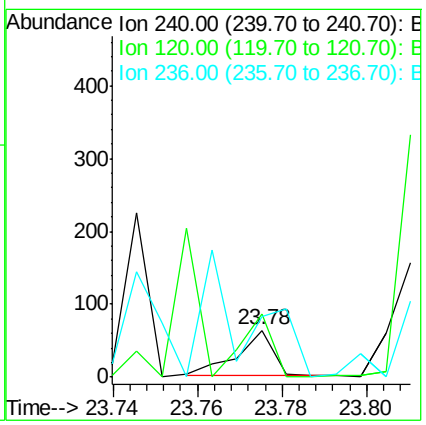


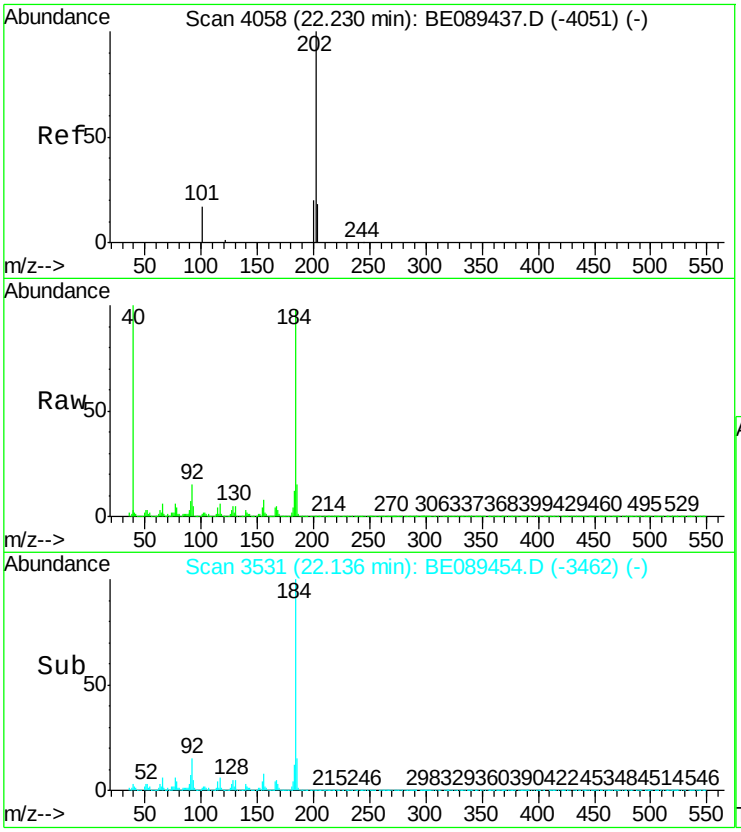




#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 3810
Delta R.T. -0.07 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:240 Resp: 37

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 134.4 | 8.6 | 13.0# |
| 236 | 129.7 | 18.7 | 28.1# |



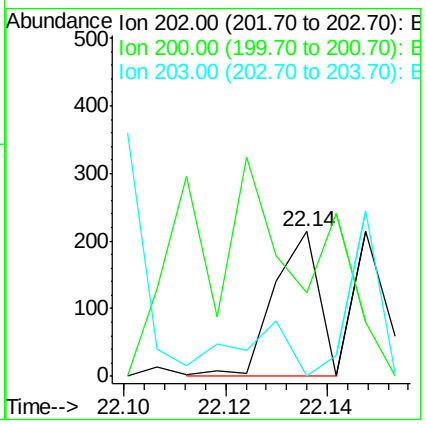


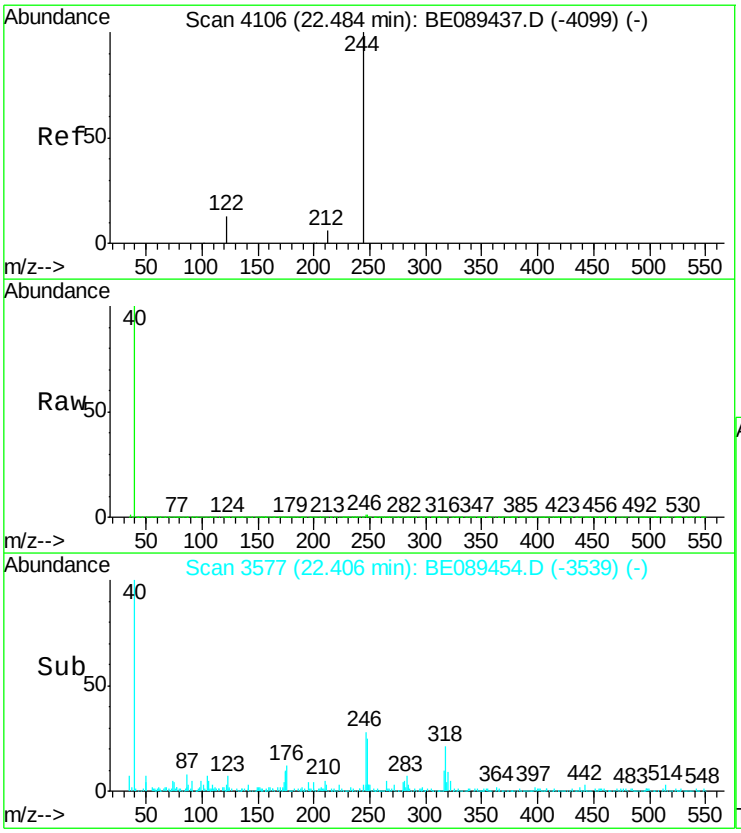

#17
Pyrene
Concen: 13.14 ng
RT: 22.14 min Scan# 3531
Delta R.T. -0.09 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:202 Resp: 129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 16.2 | 24.4# |
| 203 | 45.0 | 13.8 | 20.8# |

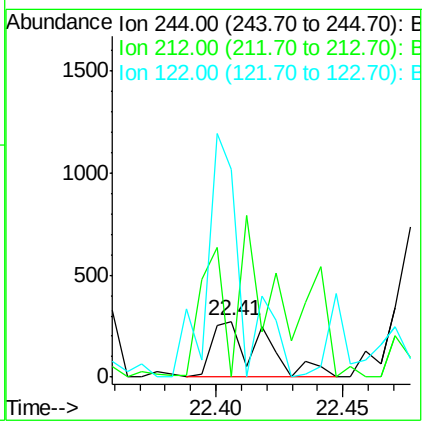


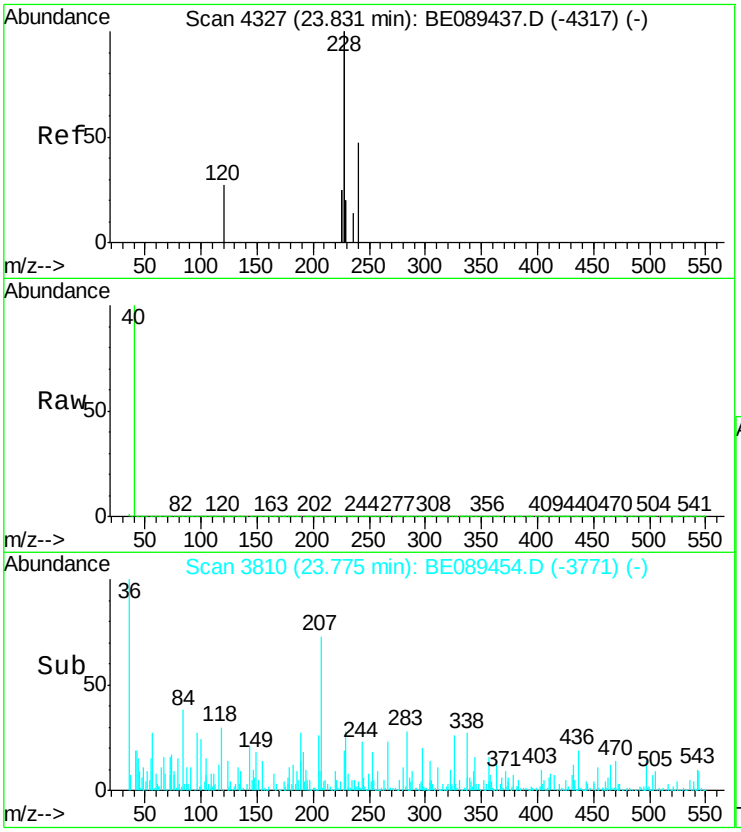




#18
Terphenyl-d14
Concen: 69.13 ng
RT: 22.41 min Scan# 3577
Delta R.T. -0.08 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:244 Resp: 383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 0.0 | 5.0 | 7.6# |
| 122 | 370.5 | 10.2 | 15.4# |



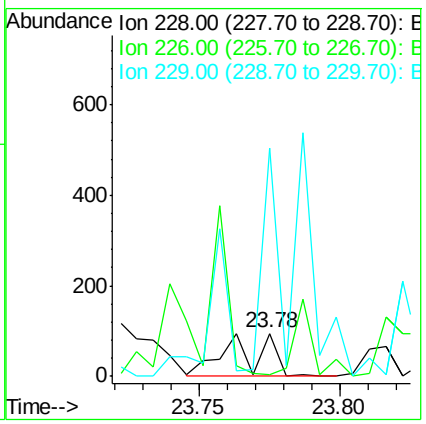


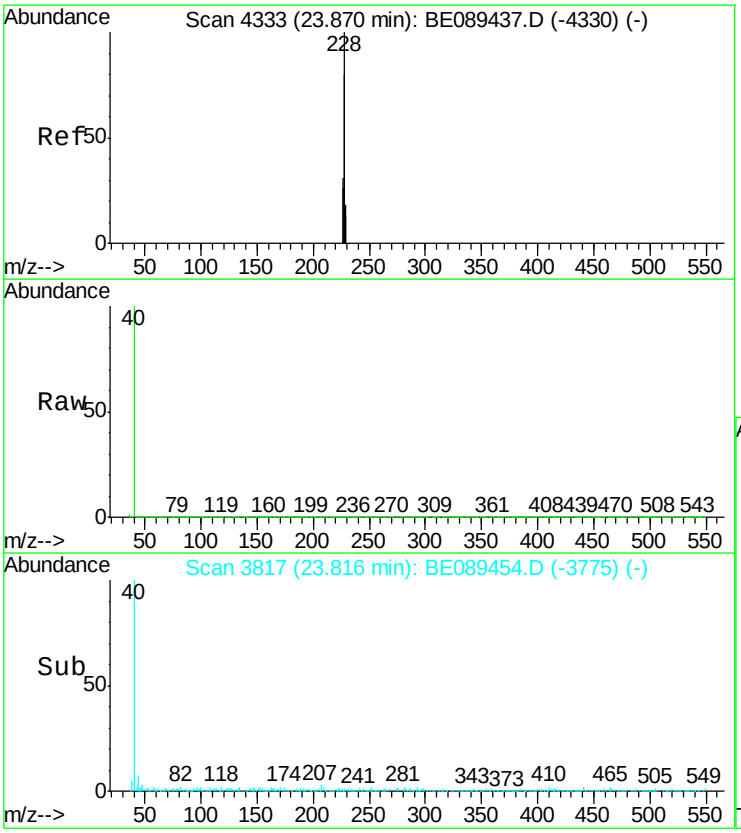

#19
Benzo(a)anthracene
Concen: 3.08 ng
RT: 23.78 min Scan# 3810
Delta R.T. -0.06 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:228 Resp: 96

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 4.2 | 20.0 | 30.0# |
| 229 | 536.8 | 16.0 | 24.0# |

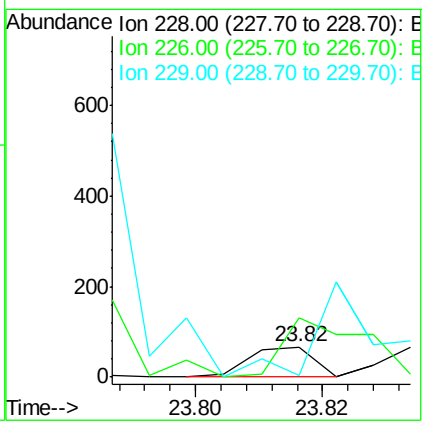


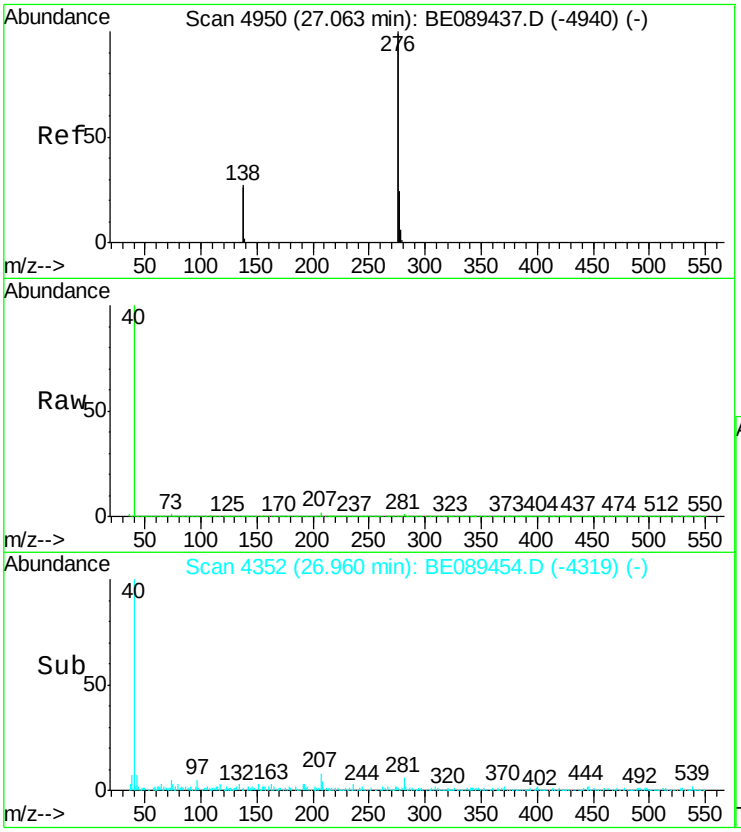




#20
Chrysene
Concen: 1.37 ng
RT: 23.82 min Scan# 3817
Delta R.T. -0.05 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:228 Resp: 48

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 200.0 | 24.5 | 36.7# |
| 229 | 4.5 | 14.1 | 21.1# |



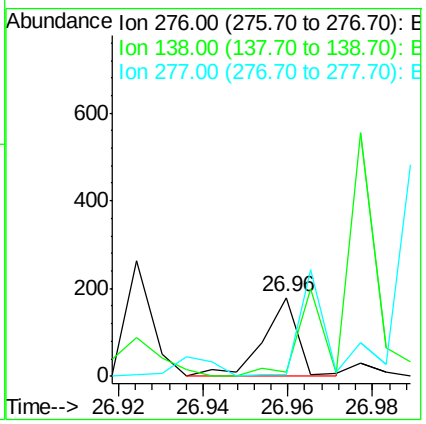


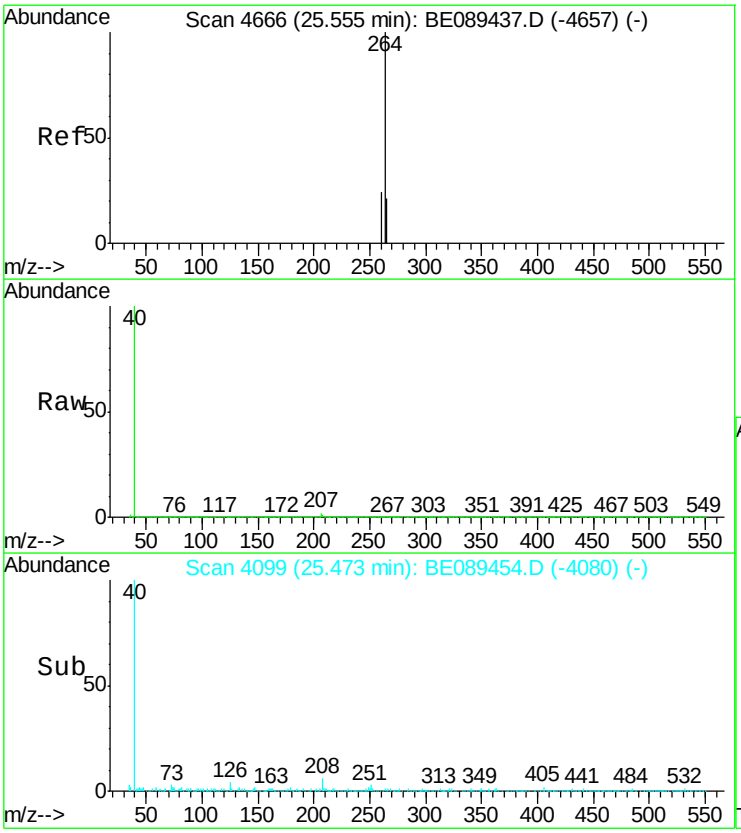

#21
Indeno(1,2,3-cd)pyrene
Concen: 3.32 ng
RT: 26.96 min Scan# 4352
Delta R.T. -0.10 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:276 Resp: 102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 0.0 | 25.4 | 38.0# |
| 277 | 88.2 | 19.8 | 29.6# |

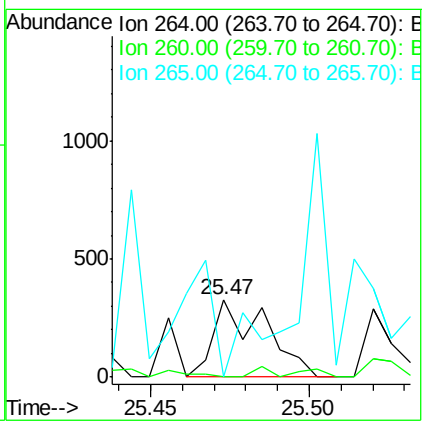


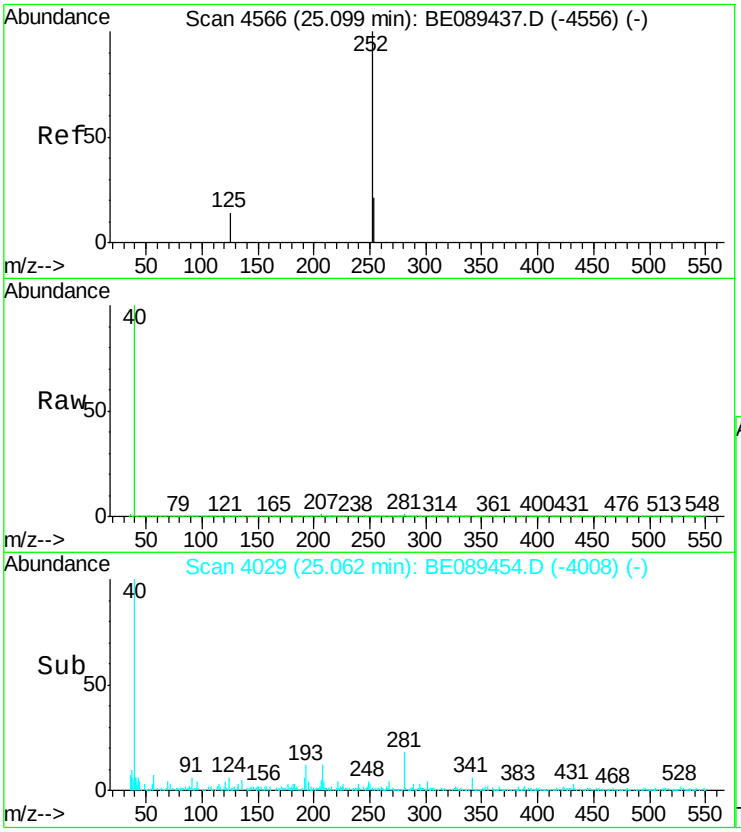




#22
Perylene-d12
Concen: 5.00 ng
RT: 25.47 min Scan# 4099
Delta R.T. -0.08 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:264 Resp: 371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 1.8 | 19.4 | 29.0# |
| 265 | 54.3 | 17.0 | 25.6# |



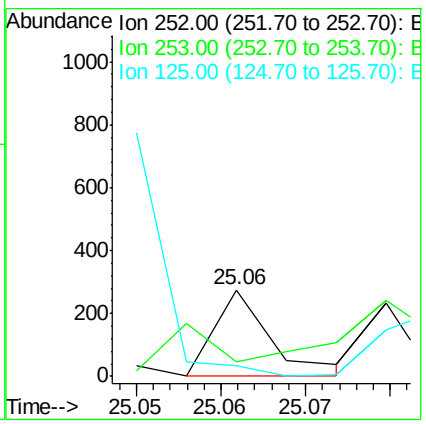


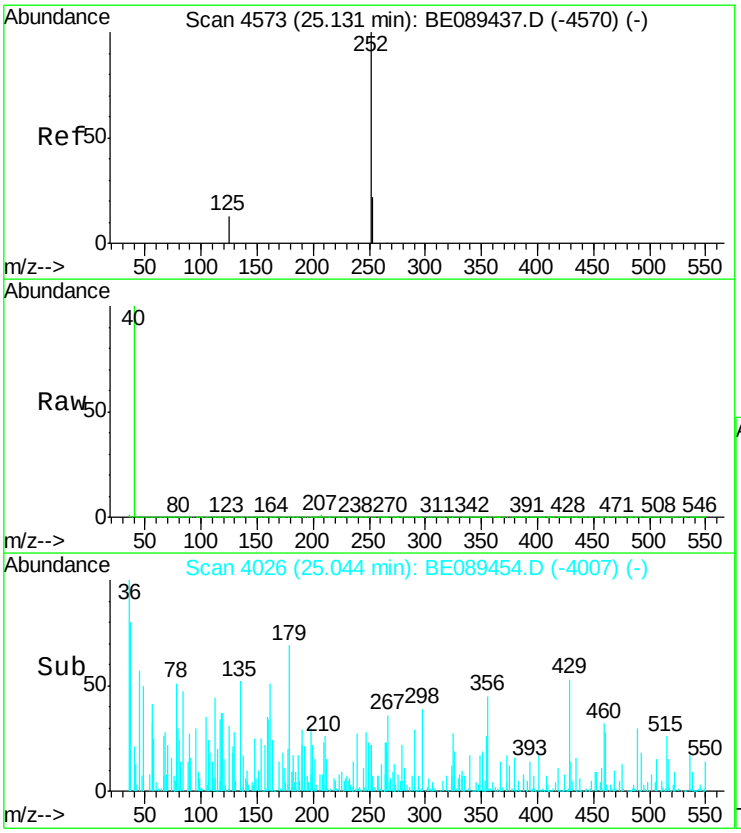

#23
Benzo(b)fluoranthene
Concen: 2.04 ng
RT: 25.06 min Scan# 4029
Delta R.T. -0.04 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:252 Resp: 127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 17.1 | 17.0 | 25.6 |
| 125 | 12.0 | 11.4 | 17.0 |

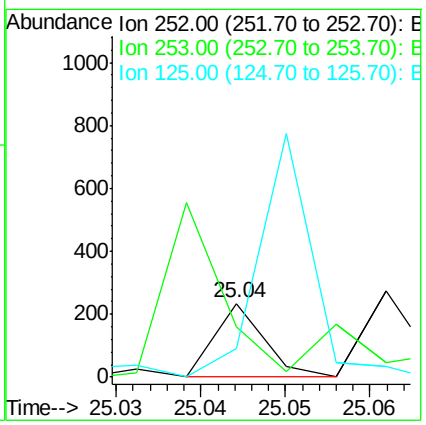


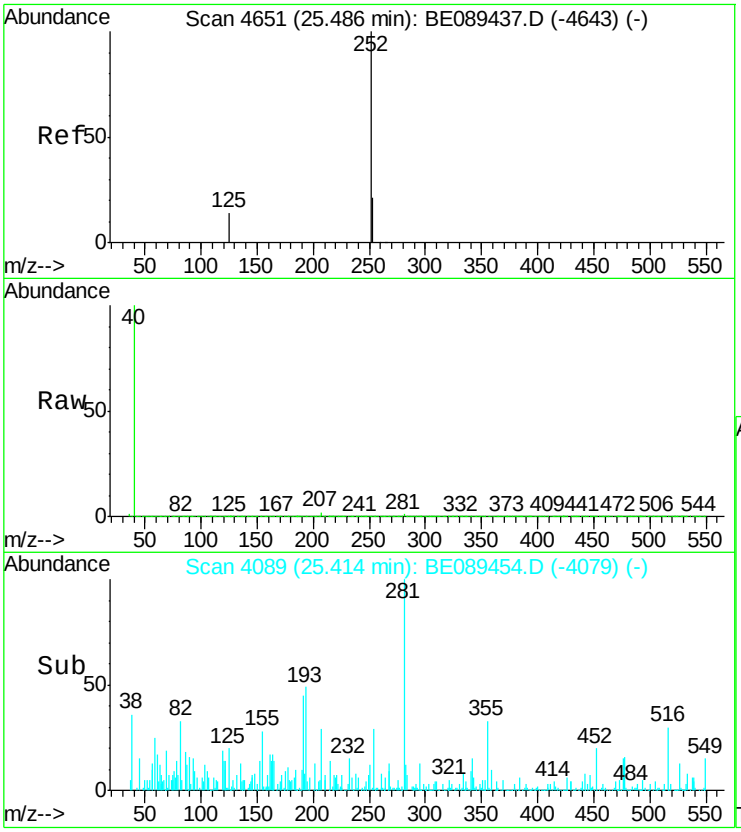




#24
Benzo(k)fluoranthene
Concen: 0.98 ng
RT: 25.04 min Scan# 4026
Delta R.T. -0.09 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:252 Resp: 93

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 68.8 | 17.4 | 26.2# |
| 125 | 128.6 | 10.9 | 16.3# |



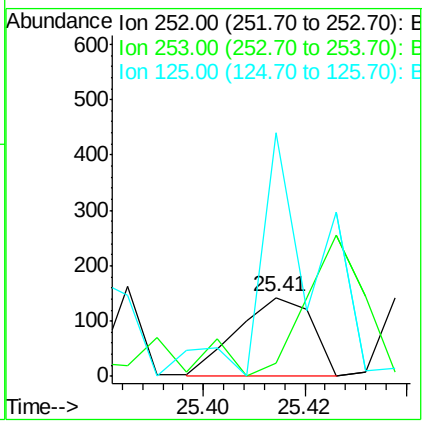


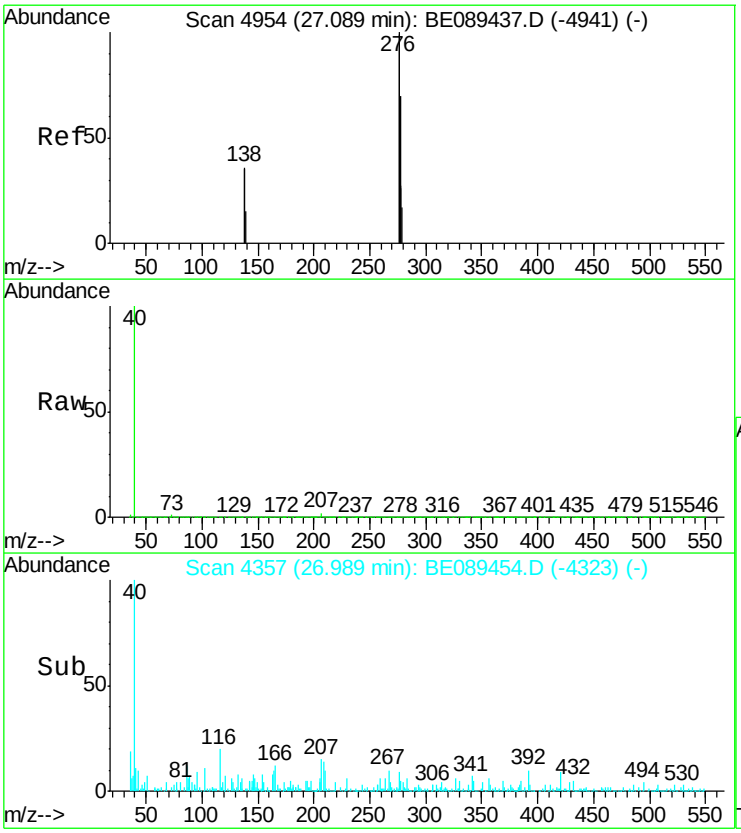

#25
Benzo(a)pyrene
Concen: 2.20 ng
RT: 25.41 min Scan# 4089
Delta R.T. -0.07 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:252 Resp: 143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 16.1 | 17.3 | 25.9# |
| 125 | 309.1 | 12.0 | 18.0# |

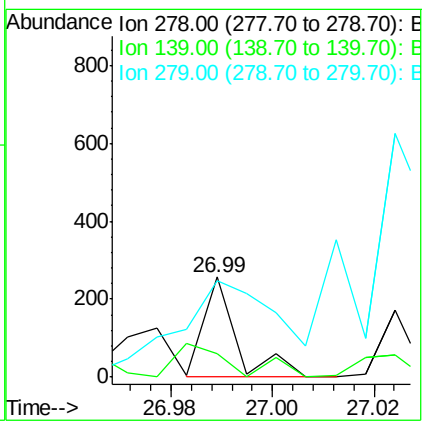


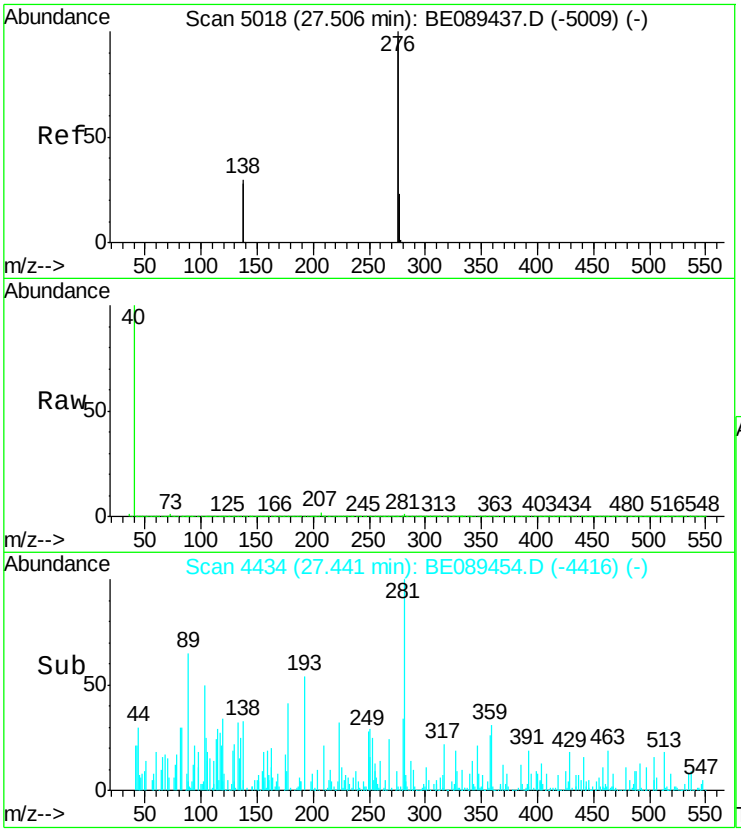




#26
Dibenzo(a,h)anthracene
Concen: 1.60 ng
RT: 26.99 min Scan# 4357
Delta R.T. -0.10 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

Tgt Ion:278 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.7 | 17.0 | 25.4 |
| 279 | 96.5 | 19.1 | 28.7# |






#27
Benzo(g,h,i)perylene
Concen: 0.21 ng
RT: 27.44 min Scan# 4434
Delta R.T. -0.06 min
Lab File: BE089454.D
Acq: 31 Jan 2015 1:50

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

Tgt Ion:276 Resp: 61

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 38.4 | 18.4 | 27.6# |
| 138 | 843.0 | 23.7 | 35.5# |