Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
Data File : BF083264.D
Acq On : 25 Nov 2015 4:32
Operator : UM/IZ
Sample : G4440-03RE 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** V1S3

Quant Time: Nov 25 05:09:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.60 | 152 | 191500 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 7.90 | 136 | 737539 | 20.00 | ng | | -0.06 |
| 38) Acenaphthene-d10 | 9.64 | 164 | 335574 | 20.00 | ng | | -0.06 |
| 63) Phenanthrene-d10 | 11.12 | 188 | 489786 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 13.75 | 240 | 470769 | 20.00 | ng | | -0.06 |
| 86) Perylene-d12 | 15.11 | 264 | 447435 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 403423 | 31.85 | ng | | -0.08 |
| 7) Phenol-d6 | 6.27 | 99 | 550311 | 33.58 | ng | | -0.07 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 346135 | 21.44 | ng | | -0.06 |
| 41) 2,4,6-Tribromophenol | 10.43 | 330 | 80248 | 23.37 | ng | | -0.06 |
| 44) 2-Fluorobiphenyl | 8.98 | 172 | 498785 | 20.73 | ng | | -0.05 |
| 78) Terphenyl-d14 | 12.71 | 244 | 348778 | 17.45 | ng | | -0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.16 | 77 | 2932 | Below Cal | | # | 51 |
| 15) Benzyl Alcohol | 6.78 | 79 | 29690 | 2.17 | ng | | 97 |
| 49) Dimethylphthalate | 9.38 | 163 | 101088 | 3.91 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.64 | 165 | 43633 | 7.53 | ng | # | 13 |
| 56) 2,4-Dinitrotoluene | 9.64 | 165 | 43896 | 5.98 | ng | # | 10 |
| 70) Phenanthrene | 11.14 | 178 | 513609 | 18.20 | ng | | 98 |
| 71) Anthracene | 11.20 | 178 | 129343 | 4.49 | ng | | 97 |
| 72) Carbazole | 11.36 | 167 | 61975 | 2.42 | ng | | 97 |
| 74) Fluoranthene | 12.33 | 202 | 1126435 | 39.00 | ng | | 100 |
| 77) Pyrene | 12.56 | 202 | 904236 | 28.11 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.74 | 228 | 535269 | 18.38 | ng | | 99 |
| 82) Chrysene | 13.77 | 228 | 461487 | 17.09 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.76 | 149 | 139951 | 7.04 | ng | # | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.35 | 276 | 225903 | 9.20 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.74 | 252 | 836999 | 27.38 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 14.74 | 252 | 836999 | 36.75 | ng | # | 93 |
| 89) Benzo(a)pyrene | 15.06 | 252 | 382530 | 15.16 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 16.72 | 276 | 196443 | 8.78 | ng | # | 91 |

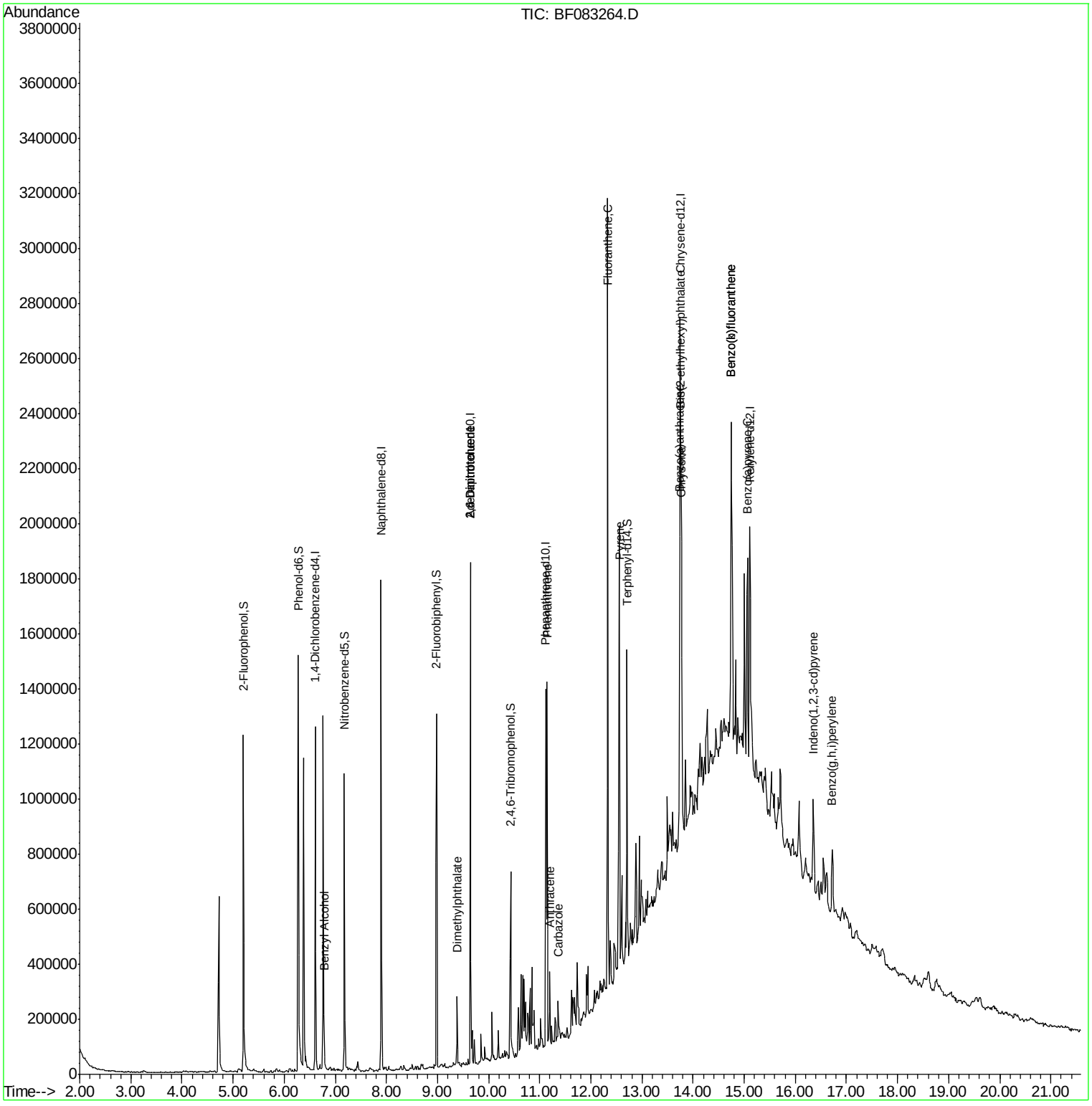
(#) = qualifier out of range (m) = manual integration (+) = signals summed

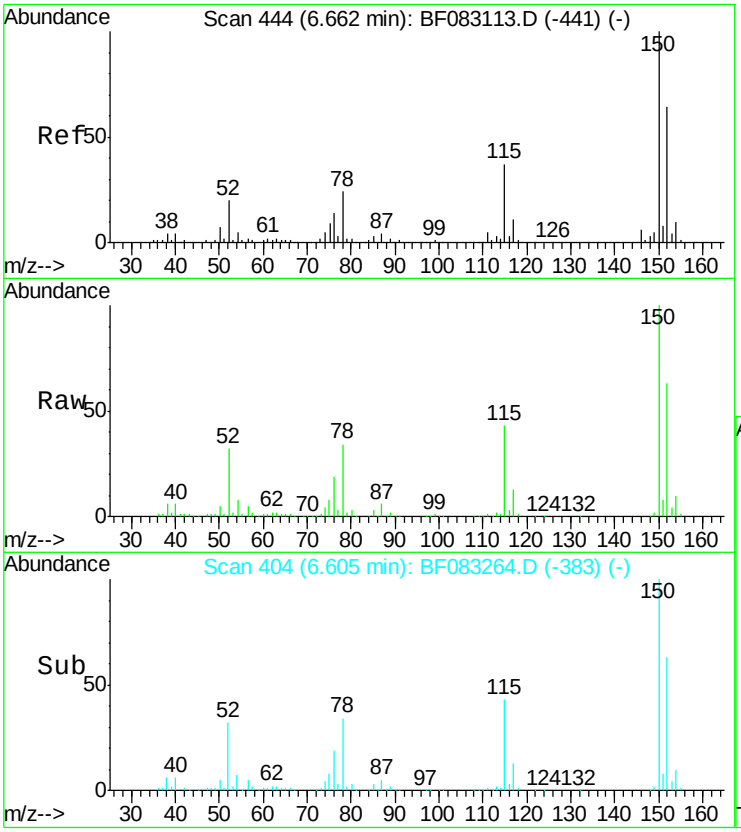
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112415\
Data File : BF083264.D
Acq On : 25 Nov 2015 4:32
Operator : UM/IZ
Sample : G4440-03RE 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** V1S3

Quant Time: Nov 25 05:09:52 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration



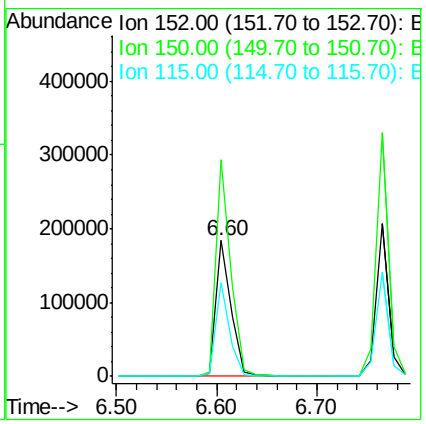


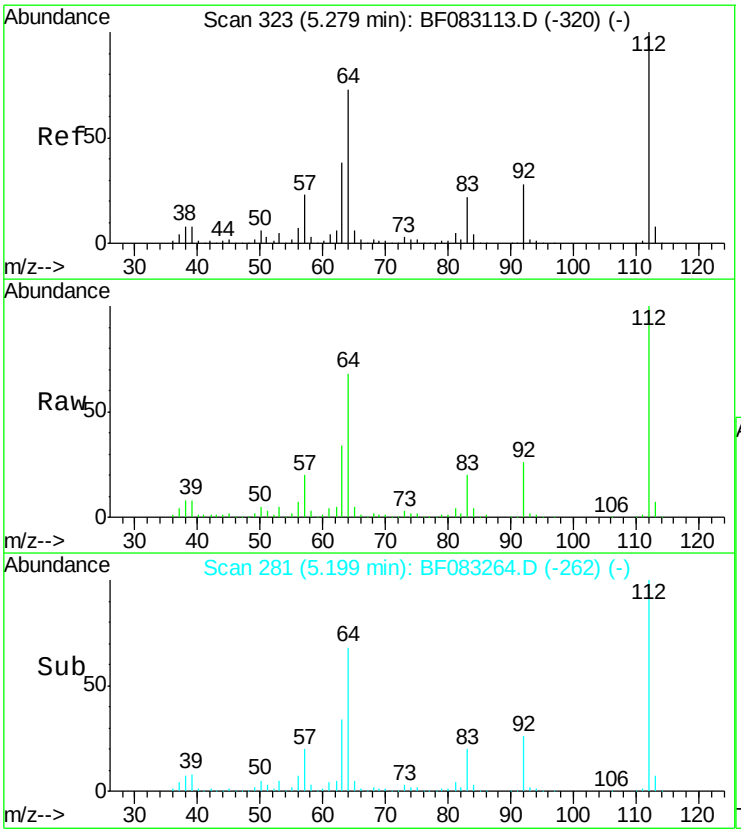

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.60 min Scan# 404
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:152 Resp: 191500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 159.4 | 125.8 | 188.8 |
| 115 | 68.6 | 46.9 | 70.3 |

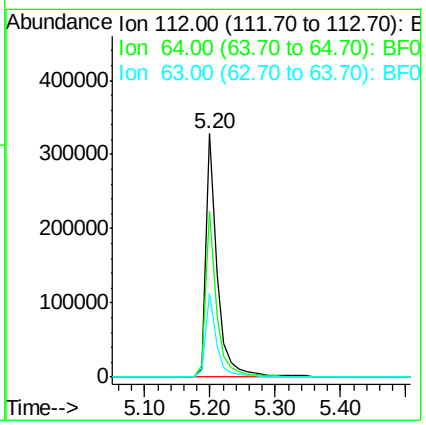


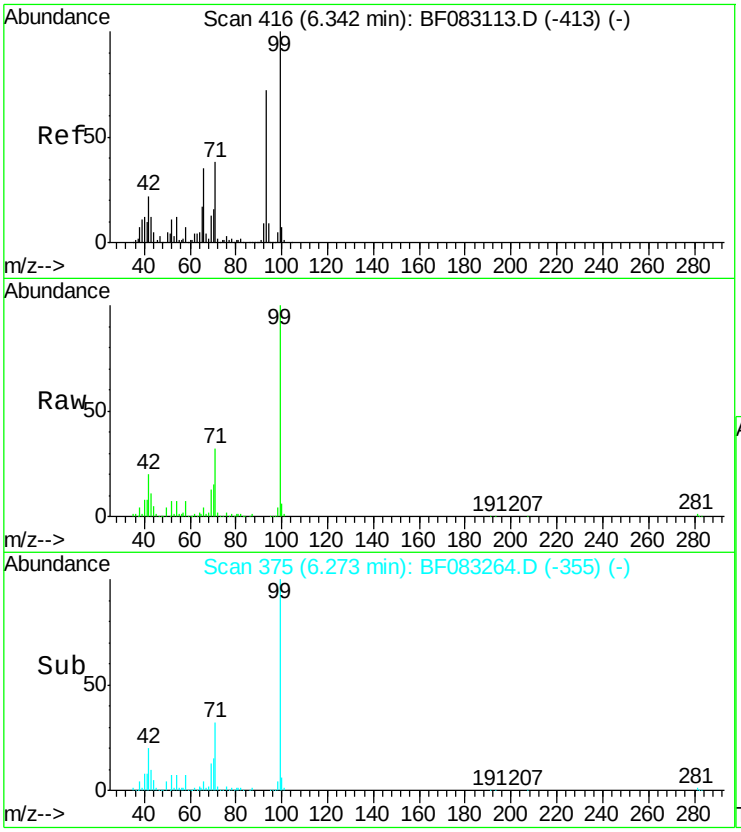




#5
2-Fluorophenol
Concen: 31.85 ng
RT: 5.20 min Scan# 281
Delta R.T. -0.08 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:112 Resp: 403423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.1 | 58.4 | 87.6 |
| 63 | 34.1 | 30.0 | 45.0 |



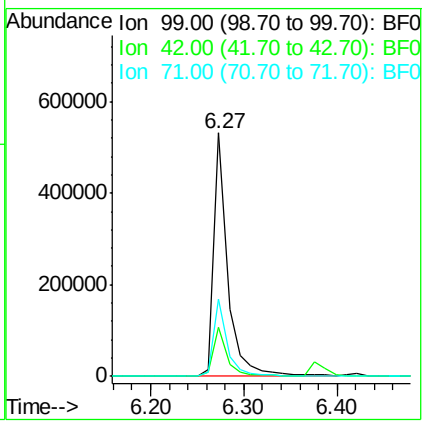


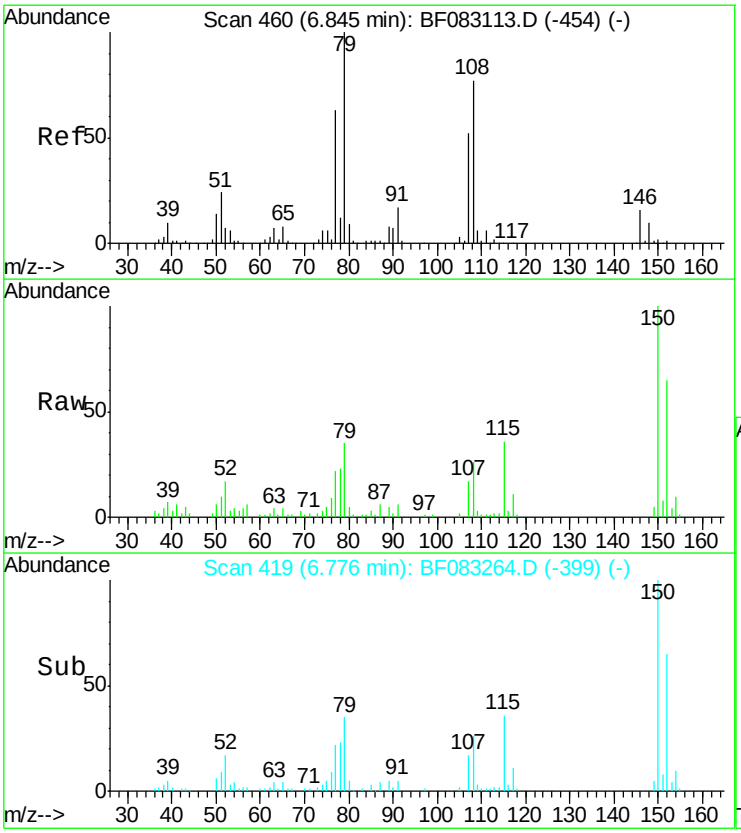

#7
Phenol-d6
Concen: 33.58 ng
RT: 6.27 min Scan# 375
Delta R.T. -0.07 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion: 99 Resp: 550311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.2 | 17.7 | 26.5 |
| 71 | 32.0 | 30.2 | 45.4 |

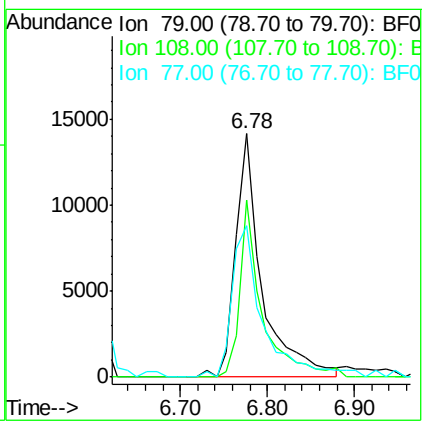


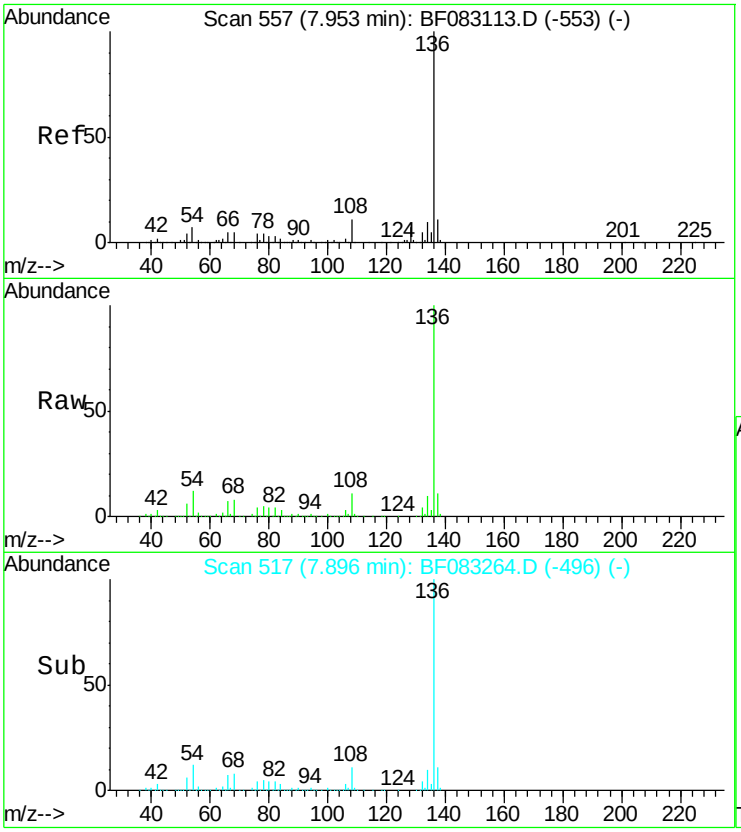




#15
Benzyl Alcohol
Concen: 2.17 ng
RT: 6.78 min Scan# 419
Delta R.T. -0.07 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion: 79 Resp: 29690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 72.5 | 61.4 | 92.2 |
| 77 | 62.0 | 50.5 | 75.7 |



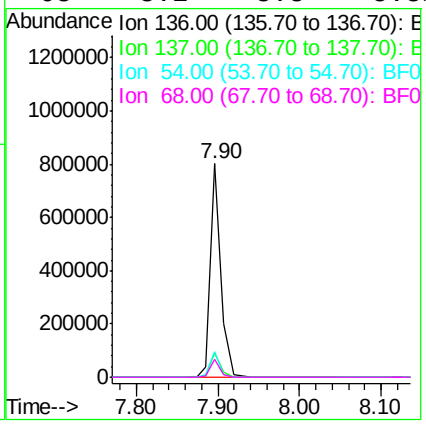


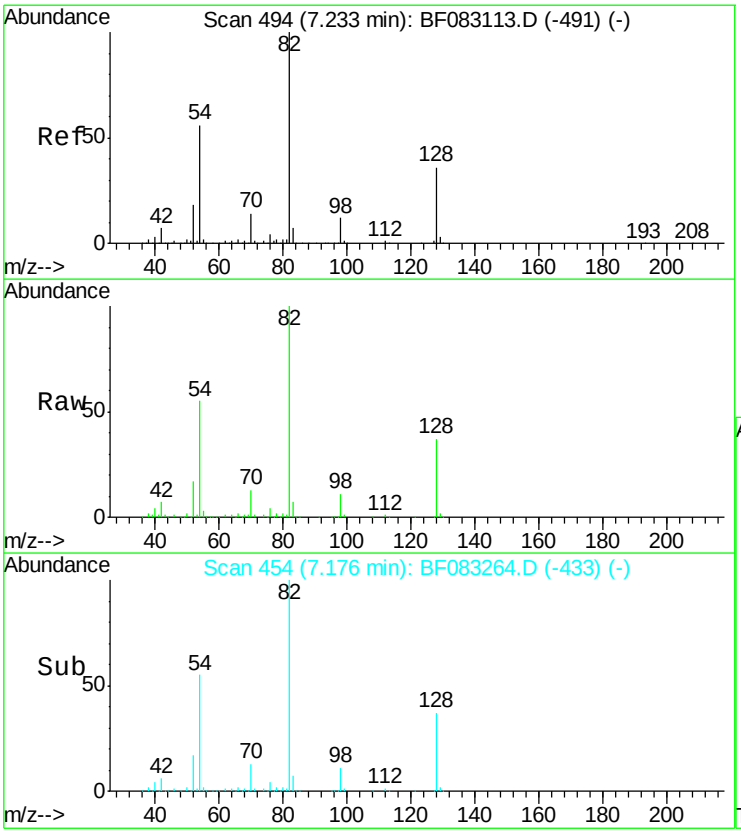

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:136 Resp: 737539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.7 | 13.1 |
| 54 | 11.9 | 5.8 | 8.6# |
| 68 | 8.2 | 3.8 | 5.8# |

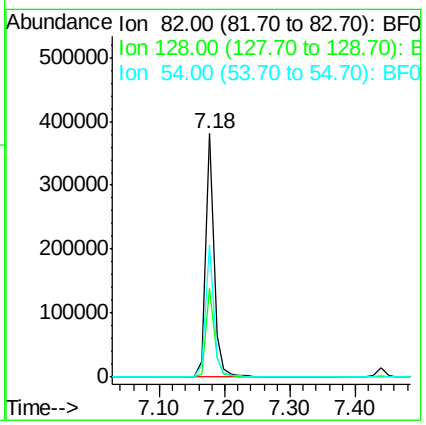


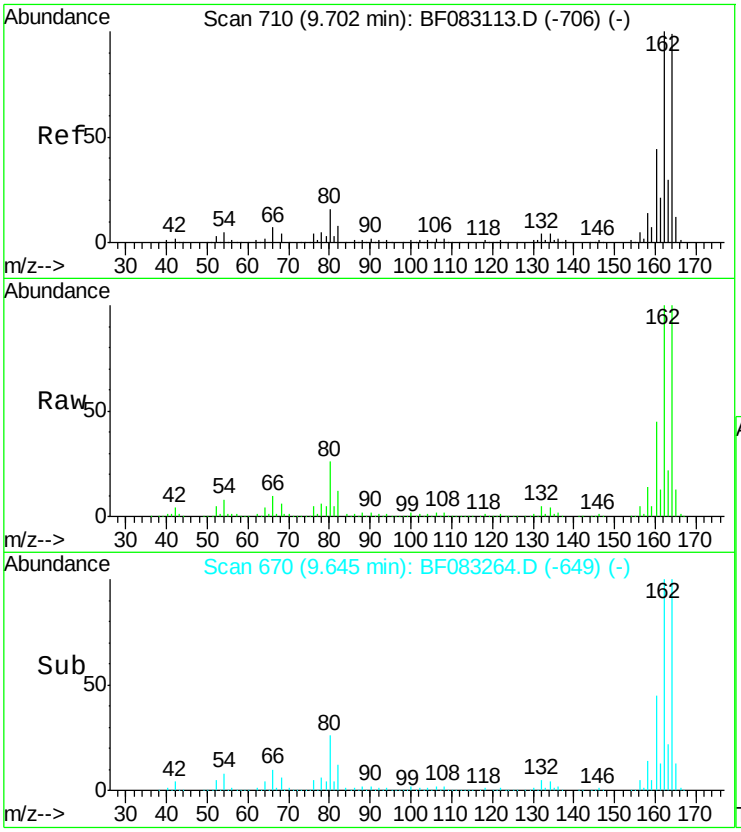




#23
Nitrobenzene-d5
Concen: 21.44 ng
RT: 7.18 min Scan# 454
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion: 82 Resp: 346135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.7 | 28.5 | 42.7 |
| 54 | 54.5 | 44.6 | 67.0 |



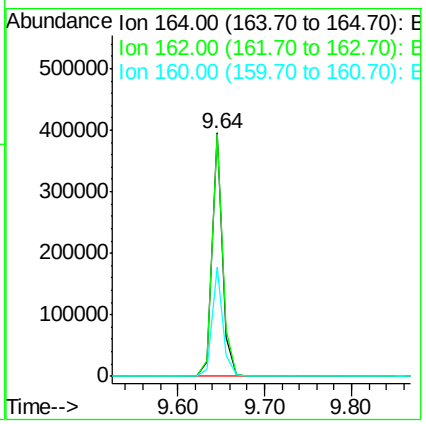


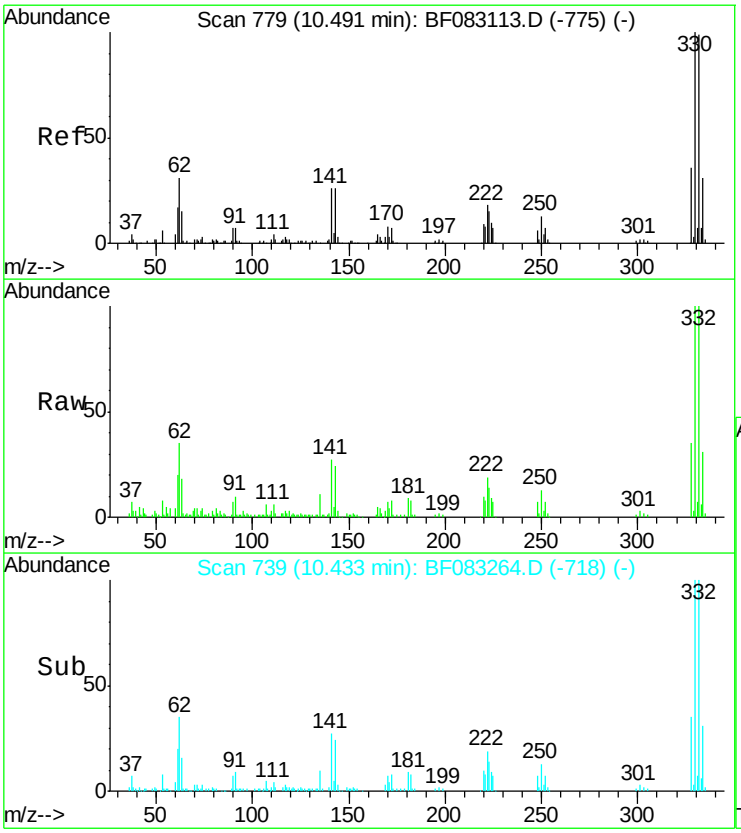

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:164 Resp: 335574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.7 | 81.2 | 121.8 |
| 160 | 44.8 | 35.6 | 53.4 |

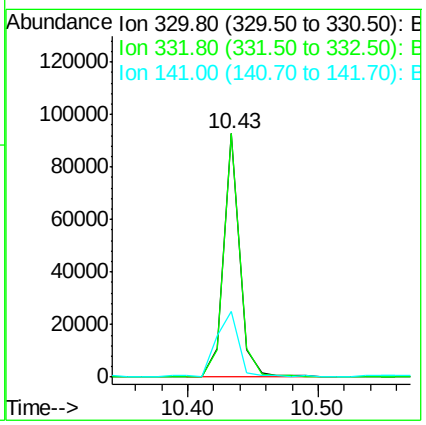


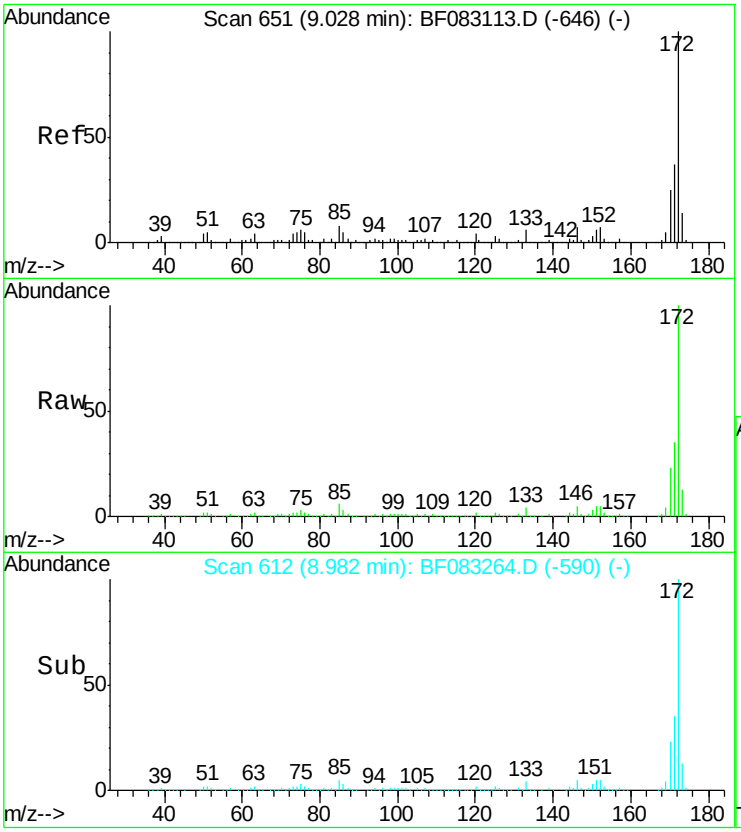




#41
2,4,6-Tribromophenol
Concen: 23.37 ng
RT: 10.43 min Scan# 739
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:330 Resp: 80248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 99.5 | 77.7 | 116.5 |
| 141 | 39.5 | 29.7 | 44.5 |



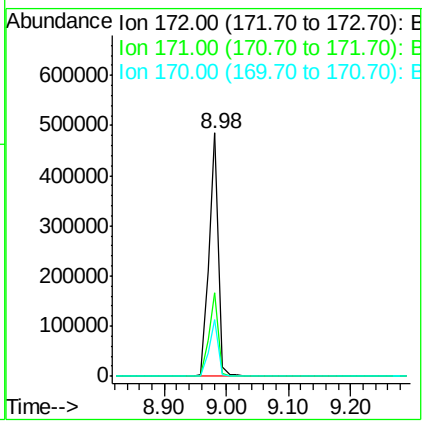


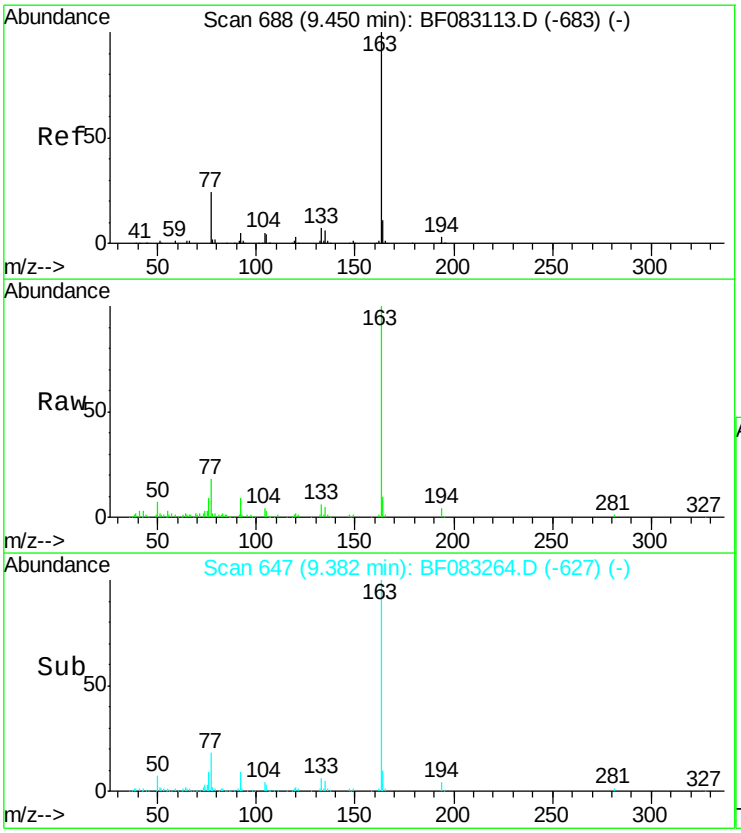

#44
2-Fluorobiphenyl
Concen: 20.73 ng
RT: 8.98 min Scan# 612
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:172 Resp: 498785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 29.5 | 44.3 |
| 170 | 23.4 | 19.9 | 29.9 |

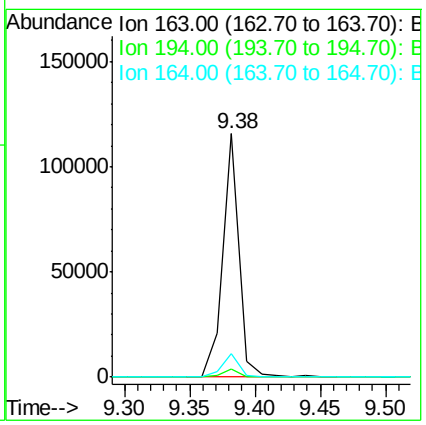


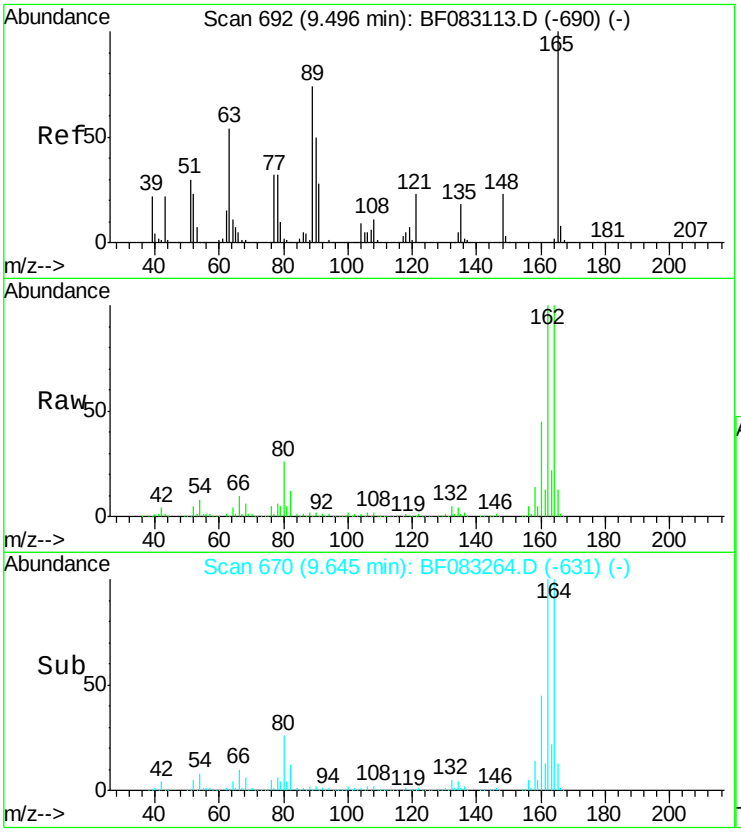




#49
Dimethylphthalate
Concen: 3.91 ng
RT: 9.38 min Scan# 647
Delta R.T. -0.07 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:163 Resp: 101088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.6 | 4.0 |
| 164 | 9.6 | 8.6 | 12.8 |



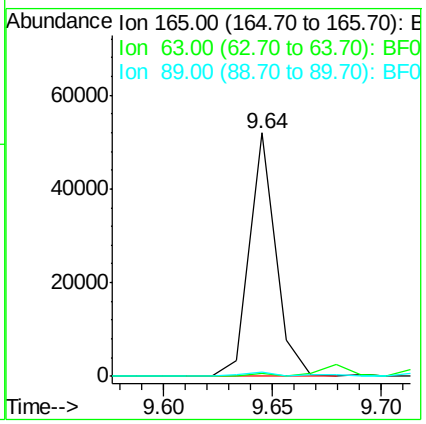


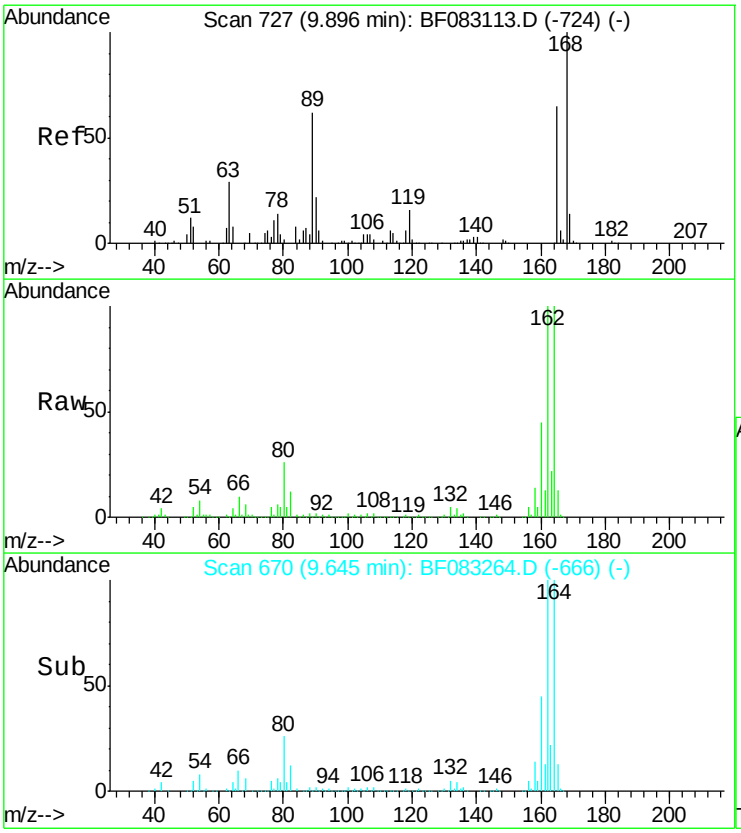

#50
2,6-Dinitrotoluene
Concen: 7.53 ng
RT: 9.64 min Scan# 670
Delta R.T. 0.15 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:165 Resp: 43633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 62.5 | 93.7# |
| 89 | 1.6 | 59.1 | 88.7# |

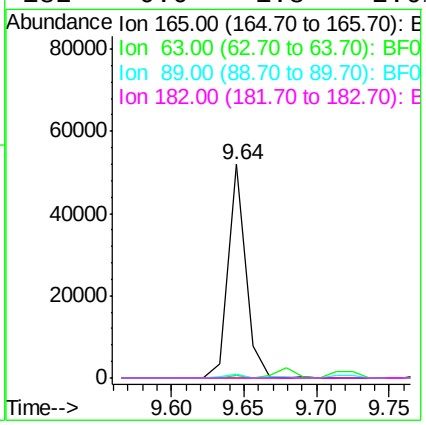


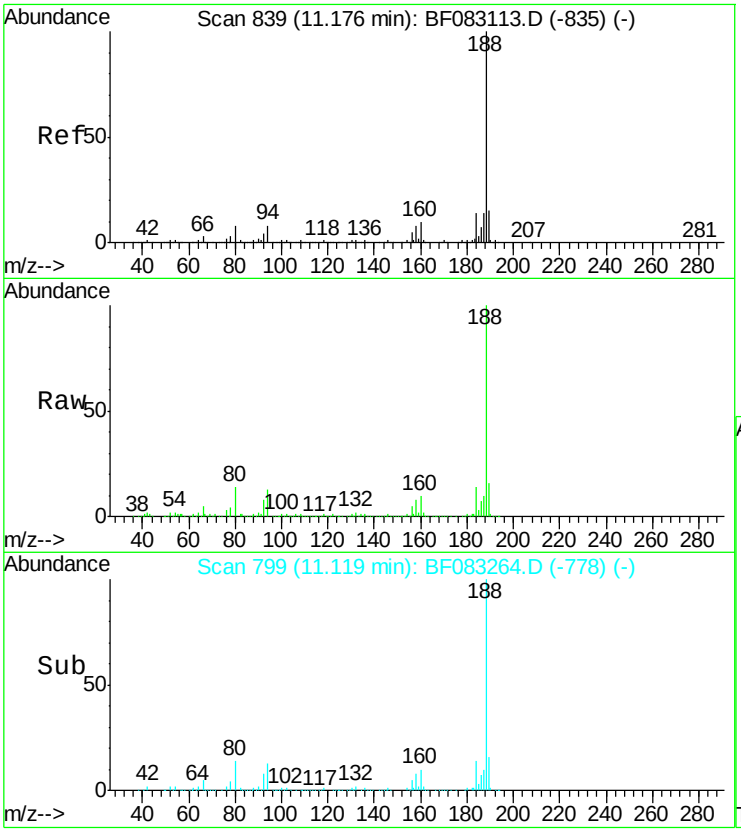




#56
2,4-Dinitrotoluene
Concen: 5.98 ng
RT: 9.64 min Scan# 670
Delta R.T. -0.25 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:165 Resp: 43896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 54.5 | 81.7# |
| 89 | 1.6 | 77.3 | 115.9# |
| 182 | 0.0 | 1.8 | 2.6# |



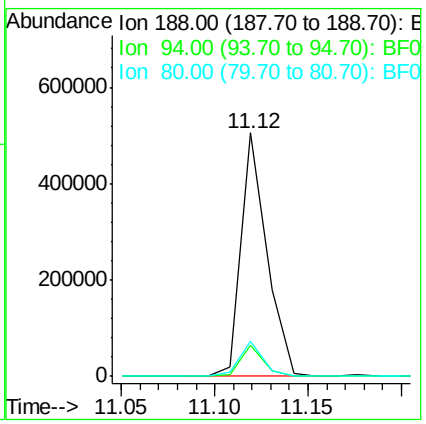


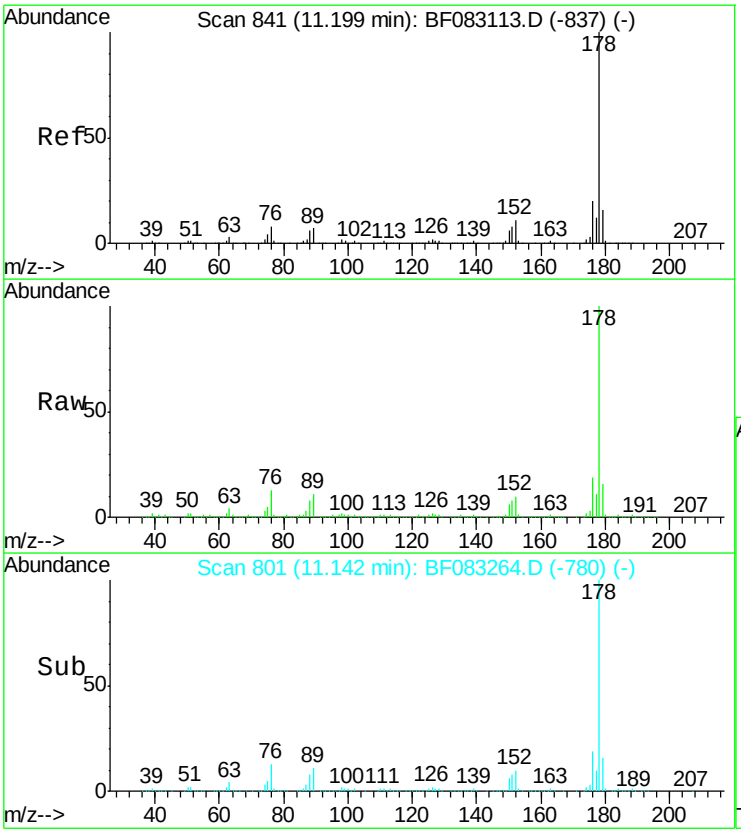

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 799
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:188 Resp: 489786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.9 | 6.0 | 9.0# |
| 80 | 14.1 | 6.7 | 10.1# |

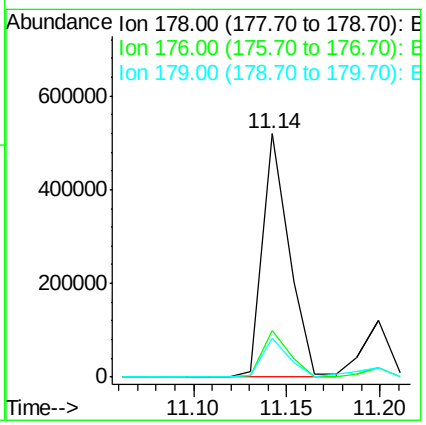


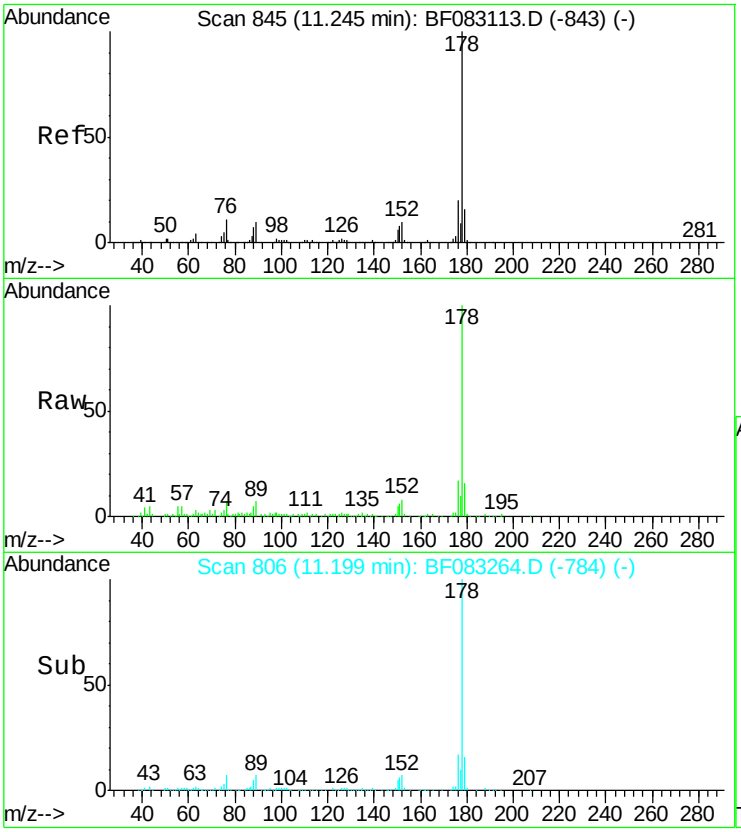




#70
Phenanthrene
Concen: 18.20 ng
RT: 11.14 min Scan# 801
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:178 Resp: 513609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 16.2 | 24.2 |
| 179 | 15.7 | 12.8 | 19.2 |



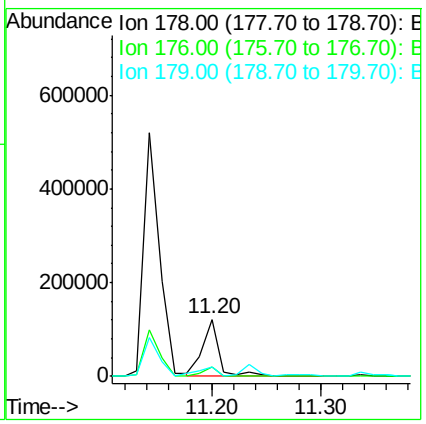


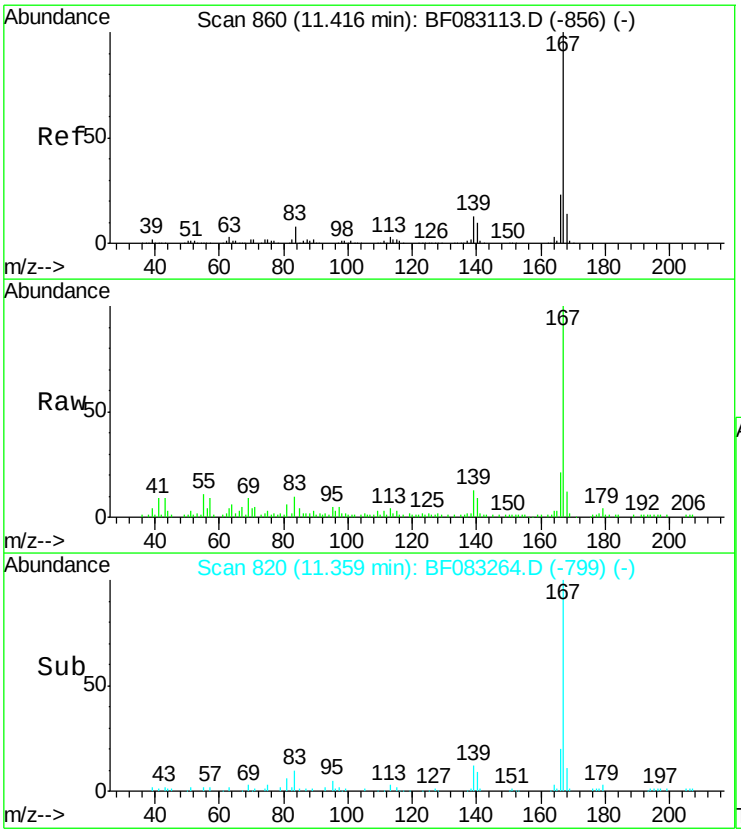

#71
Anthracene
Concen: 4.49 ng
RT: 11.20 min Scan# 806
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:178 Resp: 129343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.1 | 15.6 | 23.4 |
| 179 | 16.2 | 13.2 | 19.8 |

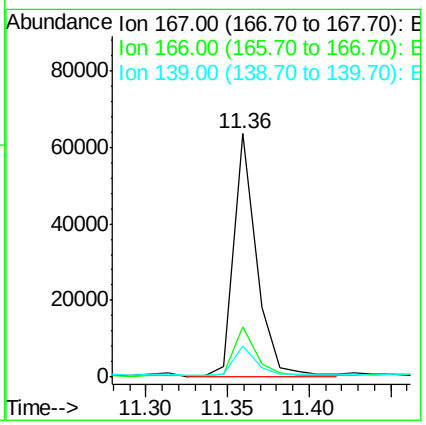


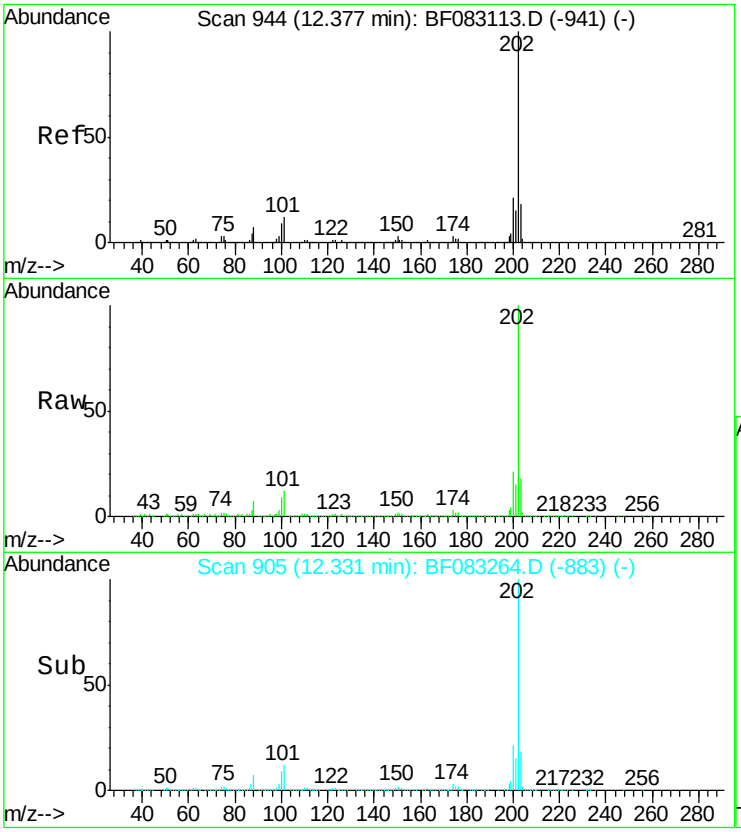




#72
Carbazole
Concen: 2.42 ng
RT: 11.36 min Scan# 820
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:167 Resp: 61975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 20.6 | 18.0 | 27.0 |
| 139 | 13.0 | 10.5 | 15.7 |



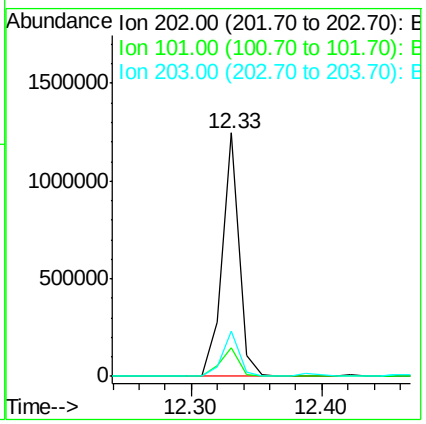


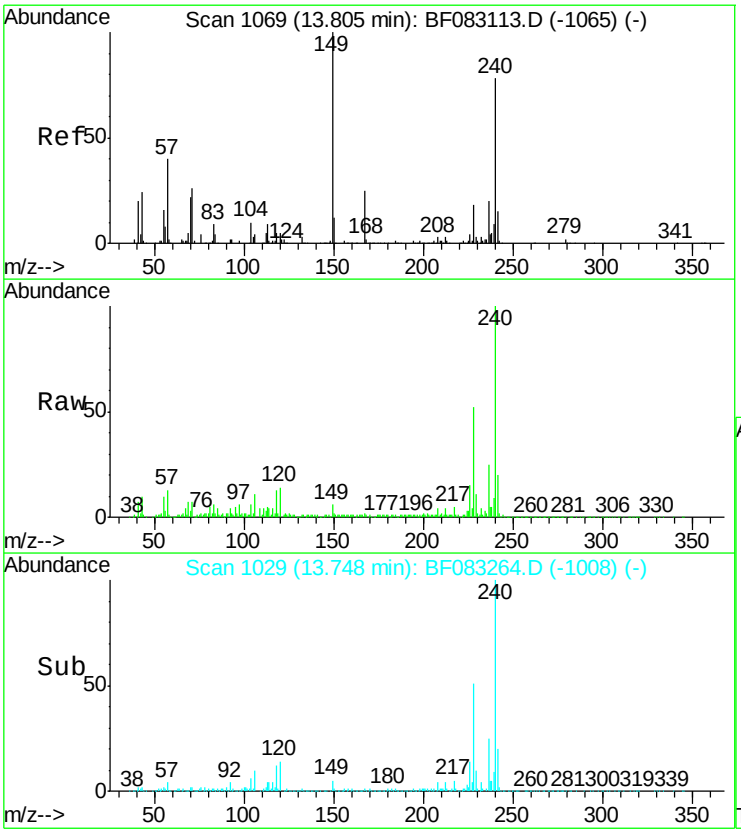

#74
Fluoranthene
Concen: 39.00 ng
RT: 12.33 min Scan# 905
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:202 Resp: 1126435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 0.0 | 32.3 |
| 203 | 18.4 | 0.0 | 38.4 |

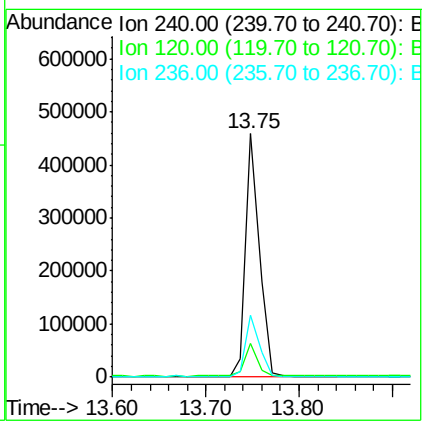


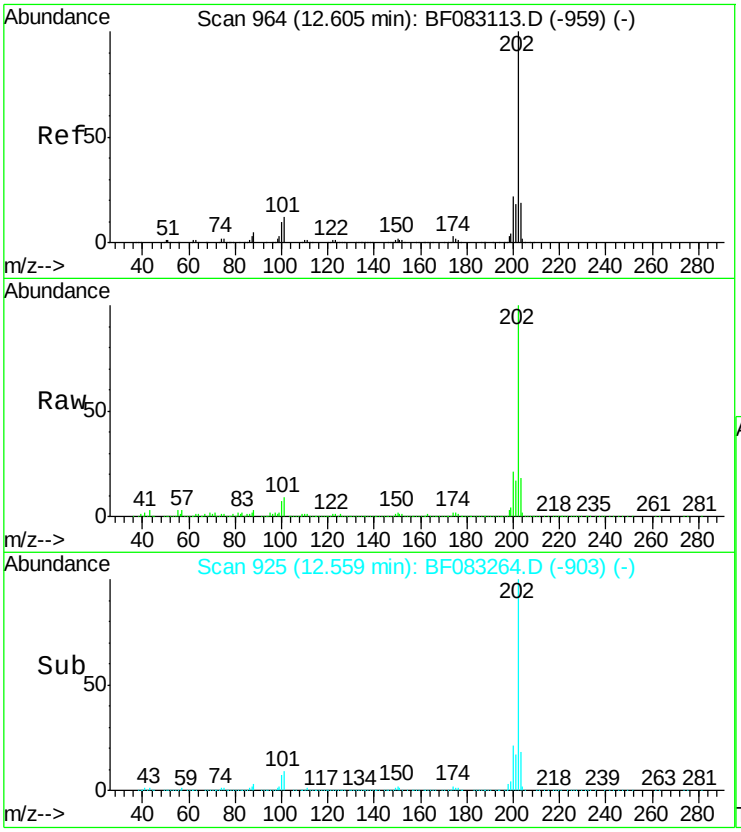




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:240 Resp: 470769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.1 | 5.4 | 8.2# |
| 236 | 25.2 | 20.6 | 31.0 |



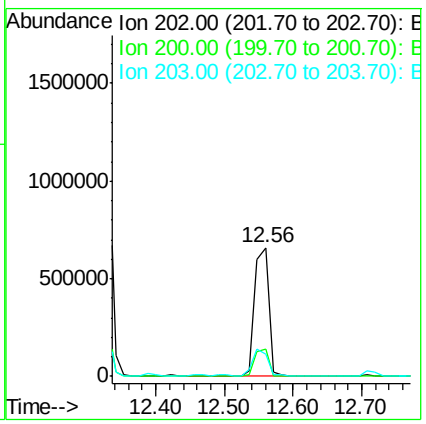


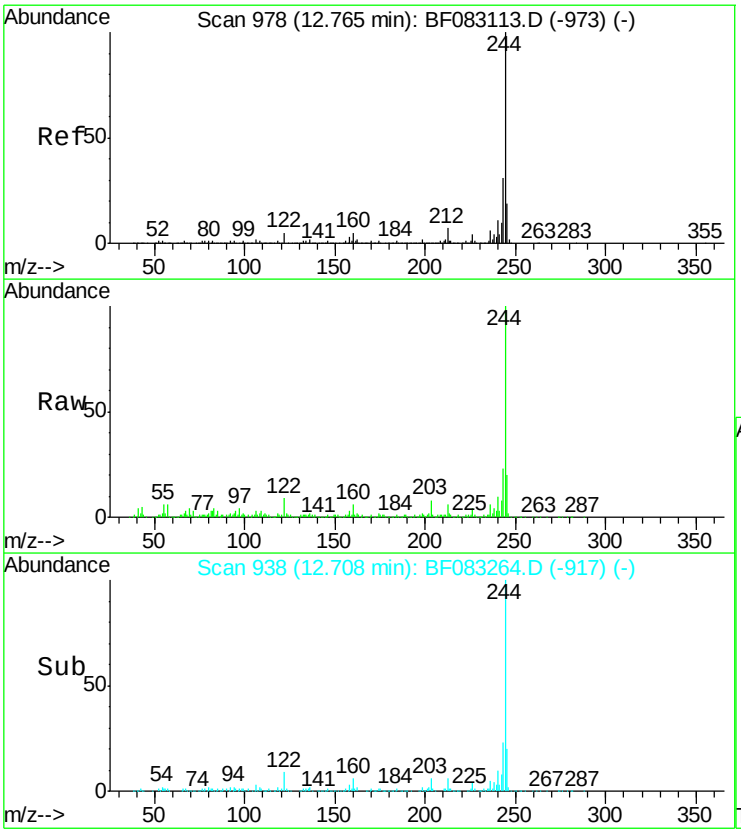

#77
Pyrene
Concen: 28.11 ng
RT: 12.56 min Scan# 925
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:202 Resp: 904236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 17.8 | 26.6 |
| 203 | 17.7 | 15.0 | 22.4 |

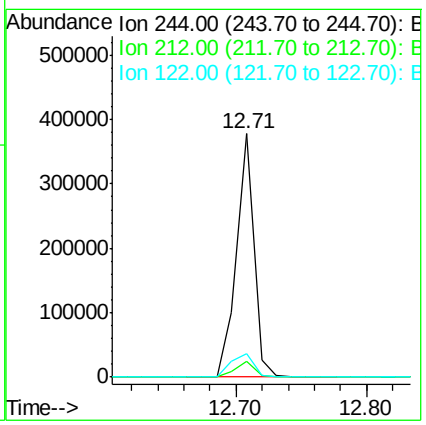


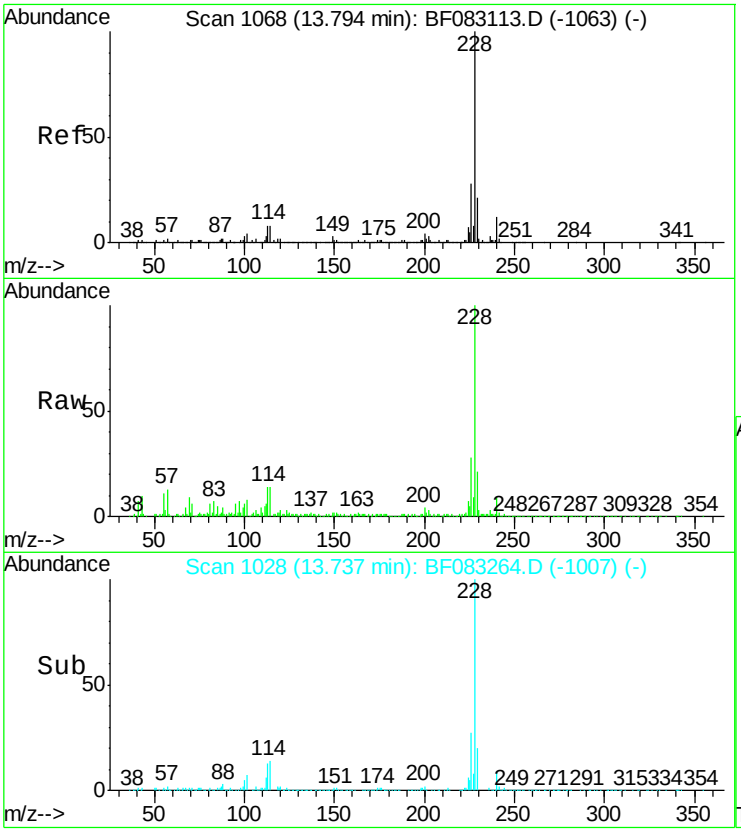




#78
Terphenyl-d14
Concen: 17.45 ng
RT: 12.71 min Scan# 938
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:244 Resp: 348778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.3 | 5.4 | 8.2 |
| 122 | 9.4 | 4.3 | 6.5# |



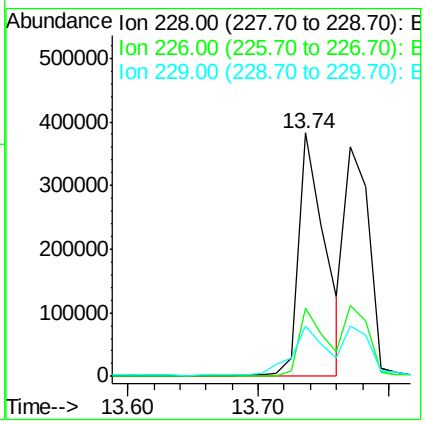


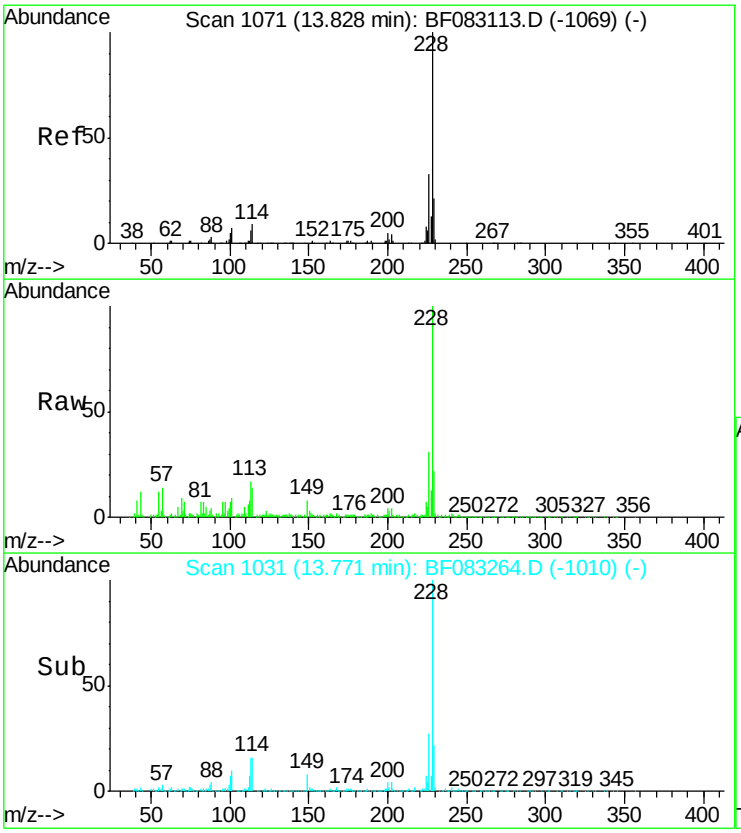

#80
Benzo(a)anthracene
Concen: 18.38 ng
RT: 13.74 min Scan# 1028
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:228 Resp: 535269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.8 | 22.6 | 33.8 |
| 229 | 20.9 | 16.6 | 24.8 |

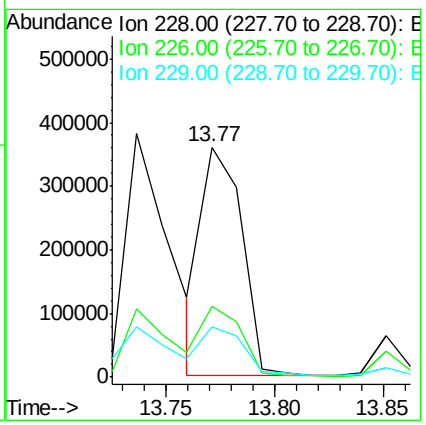


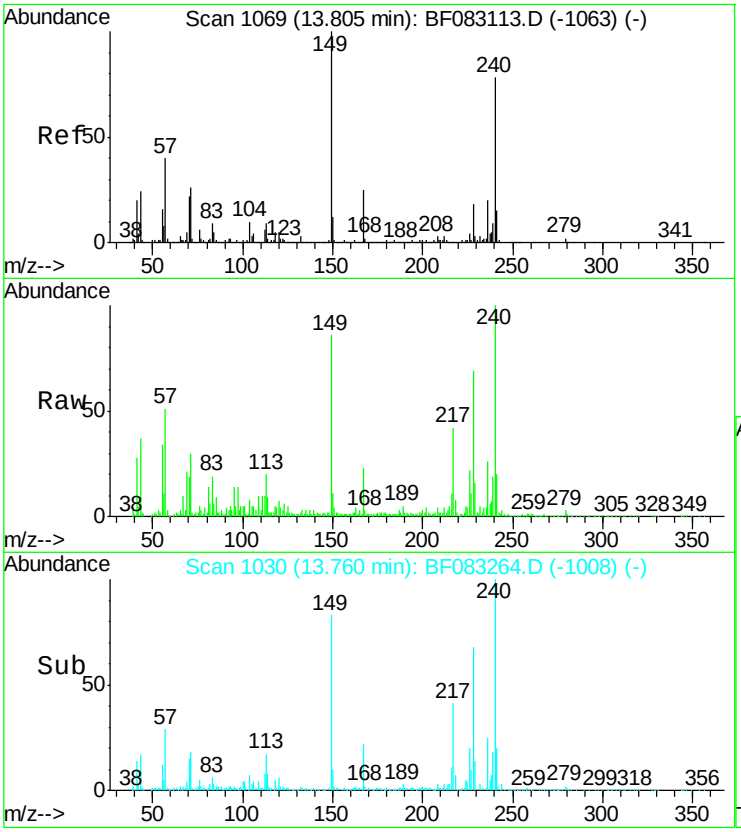




#82
Chrysene
Concen: 17.09 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:228 Resp: 461487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 25.5 | 38.3 |
| 229 | 22.1 | 16.6 | 25.0 |



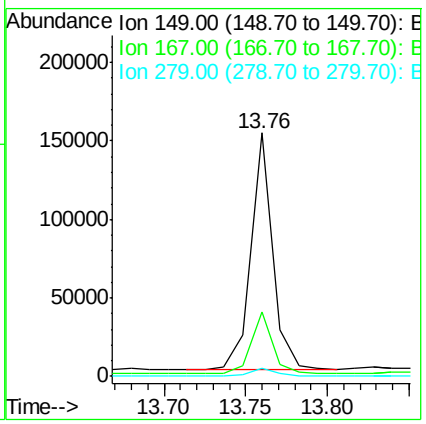


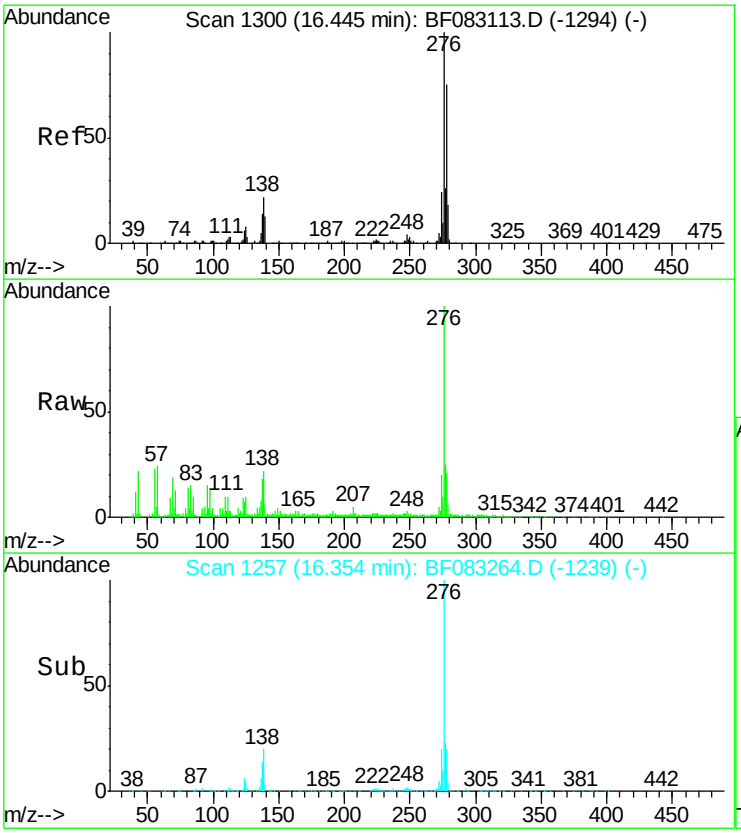

#83
Bis(2-ethylhexyl)phthalate
Concen: 7.04 ng
RT: 13.76 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:149 Resp: 139951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 20.1 | 30.1 |
| 279 | 3.2 | 1.7 | 2.5# |

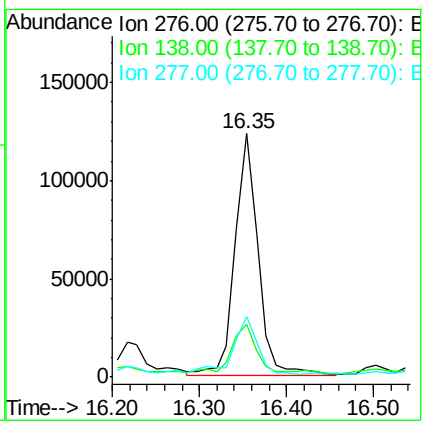


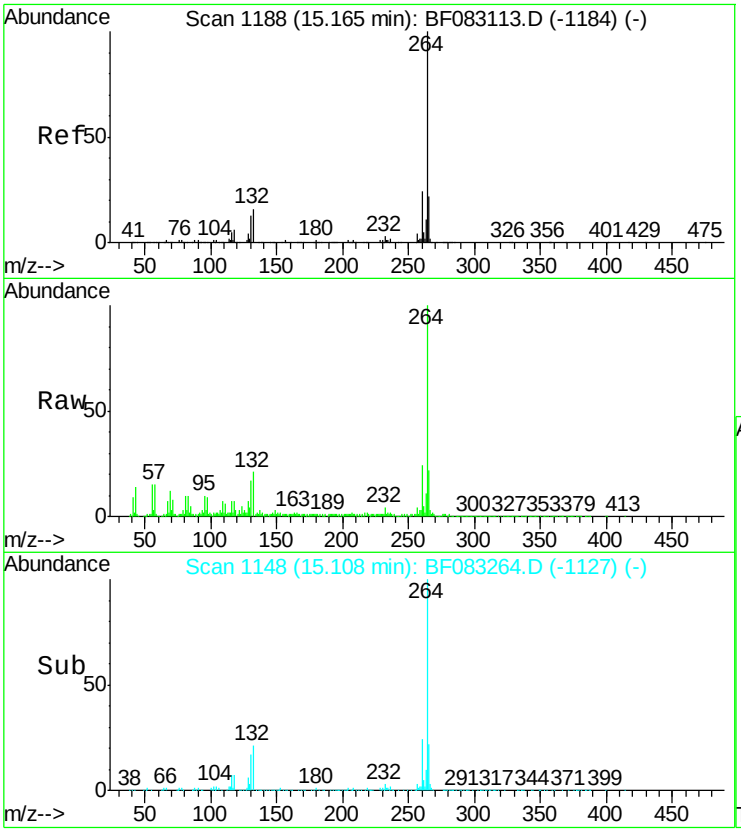




#85
Indeno(1,2,3-cd)pyrene
Concen: 9.20 ng
RT: 16.35 min Scan# 1257
Delta R.T. -0.09 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:276 Resp: 225903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.3 | 18.0 | 27.0 |
| 277 | 26.4 | 20.2 | 30.4 |



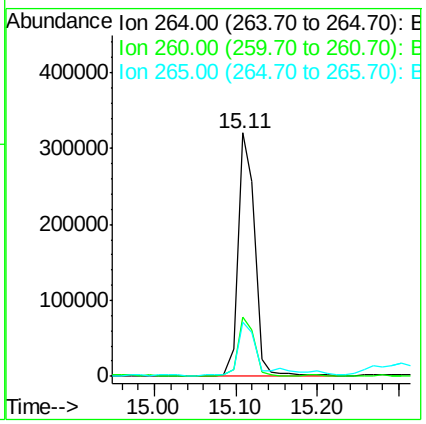


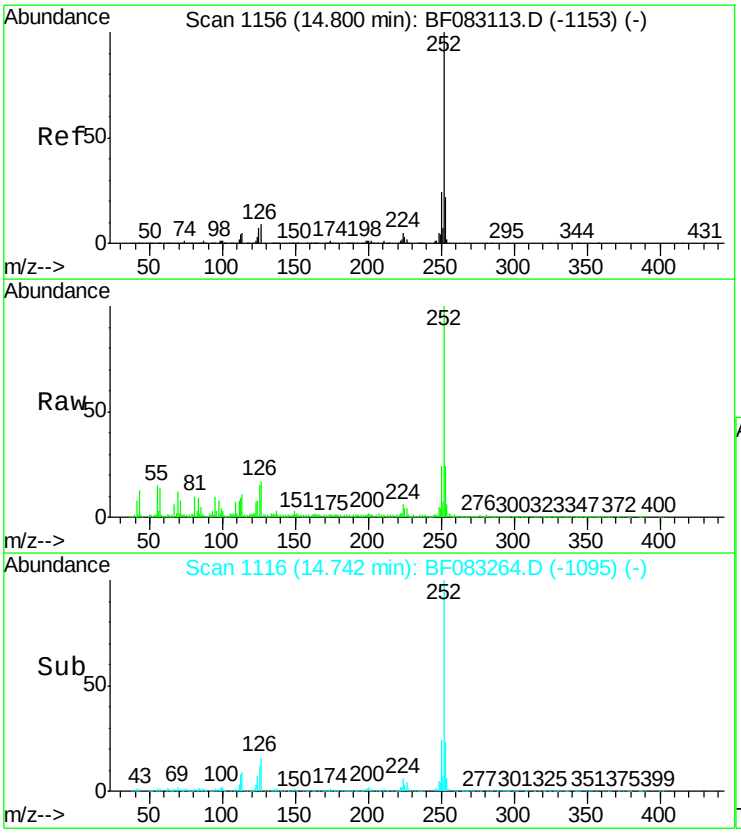

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1148
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:264 Resp: 447435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 19.1 | 28.7 |
| 265 | 22.3 | 18.2 | 27.4 |

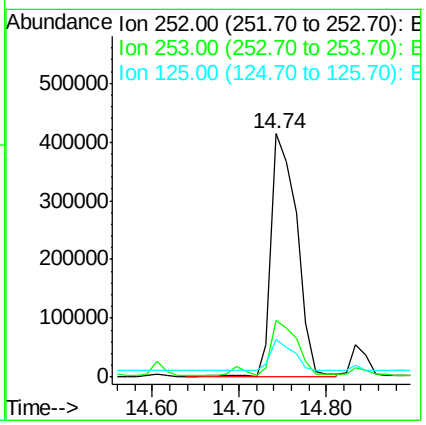


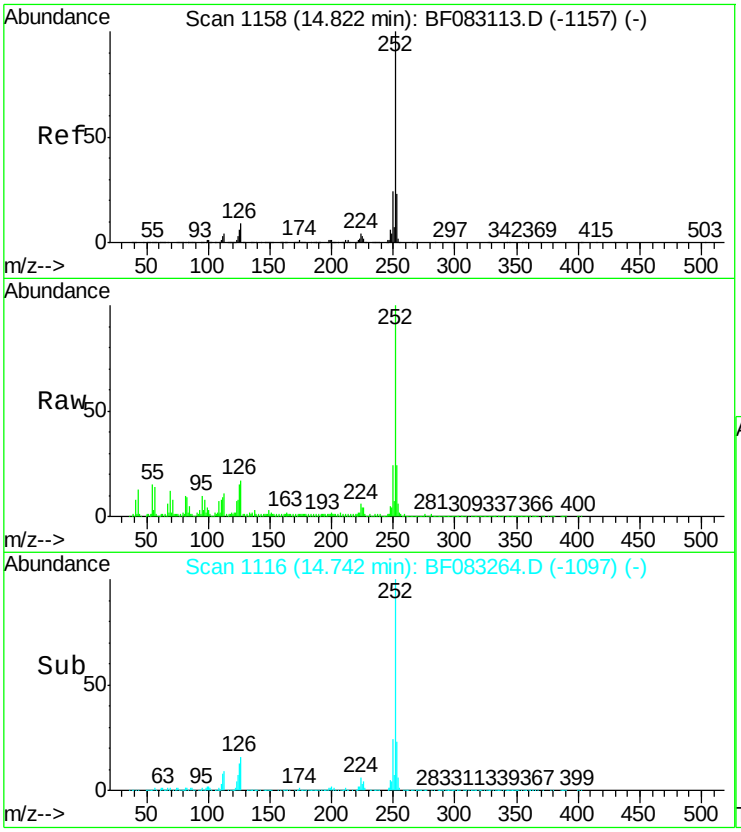




#87
Benzo(b)fluoranthene
Concen: 27.38 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:252 Resp: 836999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.7 | 26.5 |
| 125 | 15.4 | 5.6 | 8.4# |



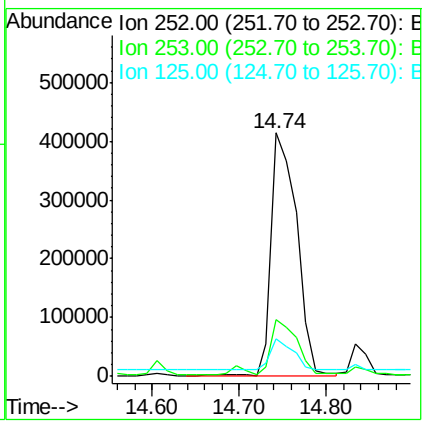


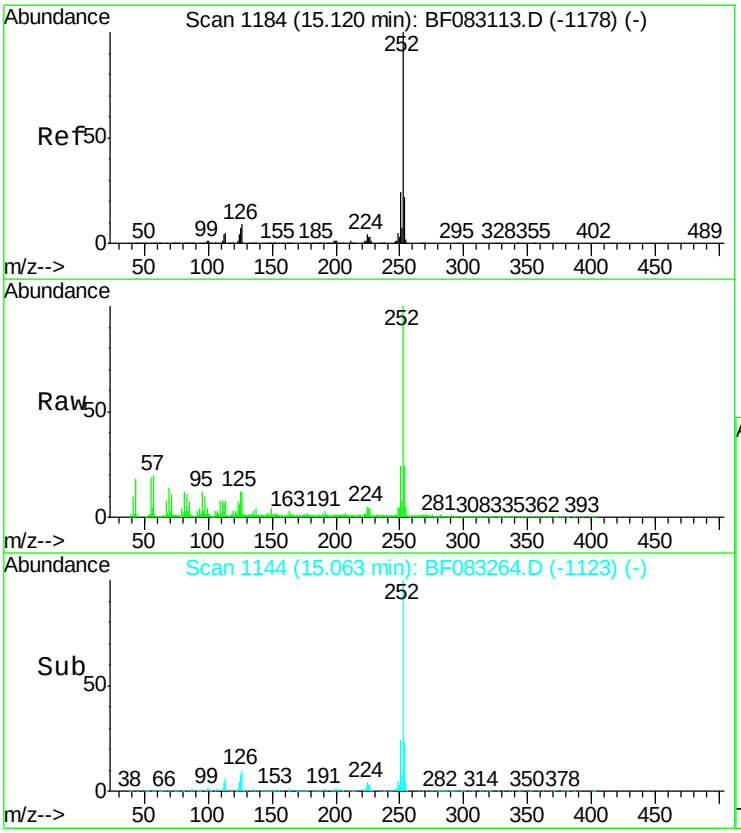

#88
Benzo(k)fluoranthene
Concen: 36.75 ng
RT: 14.74 min Scan# 1116
Delta R.T. -0.08 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:252 Resp: 836999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 18.2 | 27.2 |
| 125 | 15.4 | 6.8 | 10.2# |

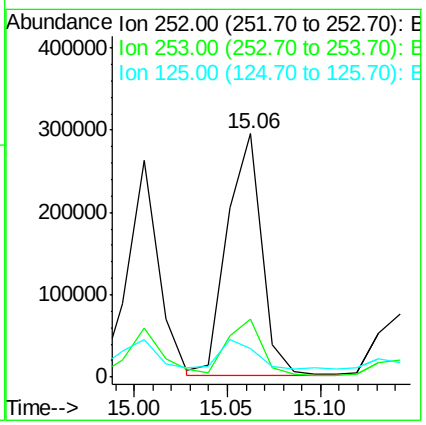


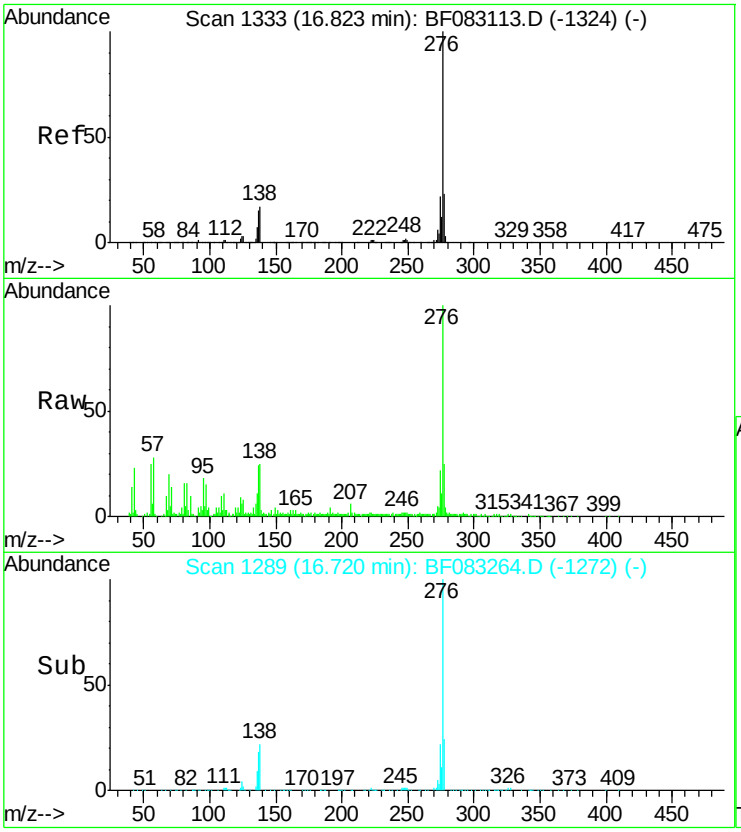




#89
Benzo(a)pyrene
Concen: 15.16 ng
RT: 15.06 min Scan# 1144
Delta R.T. -0.06 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

Tgt Ion:252 Resp: 382530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.5 | 26.3 |
| 125 | 11.7 | 5.4 | 8.0# |






#91
Benzo(g,h,i)perylene
Concen: 8.78 ng
RT: 16.72 min Scan# 1289
Delta R.T. -0.10 min
Lab File: BF083264.D
Acq: 25 Nov 2015 4:32

**Instrument :**
BNA_F
**ClientSampleId :**
V1S3

Tgt Ion:276 Resp: 196443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.2 | 18.7 | 28.1 |
| 138 | 24.8 | 13.9 | 20.9# |