Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF051216\
Data File : BF086972.D
Acq On : 13 May 2016 13:33
Operator : UM/SJ
Sample : H2965-02DL 2X
Misc :
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: May 13 15:09:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.62 | 152 | 151892 | 20.00 | ng | | -0.08 |
| 21) Naphthalene-d8 | 7.91 | 136 | 577345 | 20.00 | ng | | -0.08 |
| 38) Acenaphthene-d10 | 9.66 | 164 | 236547 | 20.00 | ng | | -0.08 |
| 63) Phenanthrene-d10 | 11.13 | 188 | 355893 | 20.00 | ng | | -0.08 |
| 75) Chrysene-d12 | 13.76 | 240 | 320487 | 20.00 | ng | | -0.08 |
| 86) Perylene-d12 | 15.13 | 264 | 275381 | 20.00 | ng | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.21 | 112 | 517443 | 57.69 | ng | | -0.08 |
| 7) Phenol-d6 | 6.28 | 99 | 668781 | 55.79 | ng | | -0.08 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 390636 | 33.97 | ng | | -0.08 |
| 41) 2,4,6-Tribromophenol | 10.44 | 330 | 97501 | 38.93 | ng | | -0.08 |
| 44) 2-Fluorobiphenyl | 8.99 | 172 | 510047 | 36.24 | ng | | -0.07 |
| 78) Terphenyl-d14 | 12.72 | 244 | 358883 | 23.76 | ng | | -0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 25) Isophorone | 7.19 | 82 | 374187 | 17.54 | ng | # | 69 |
| 49) Dimethylphthalate | 9.39 | 163 | 52807 | 2.93 | ng | | 100 |
| 51) Acenaphthene | 9.69 | 154 | 46804 | 3.47 | ng | | 98 |
| 54) Dibenzofuran | 9.86 | 168 | 38858 | 2.24 | ng | | 98 |
| 55) 4-Nitrophenol | 9.80 | 139 | 670 | 4.80 | ng | # | 1 |
| 57) Fluorene | 10.20 | 166 | 50964 | 3.45 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 9.93 | 204 | 260 | Below Cal | | # | 1 |
| 70) Phenanthrene | 11.15 | 178 | 461264 | 24.29 | ng | | 99 |
| 71) Anthracene | 11.21 | 178 | 178234 | 9.18 | ng | | 98 |
| 74) Fluoranthene | 12.34 | 202 | 788737 | 40.38 | ng | | 97 |
| 77) Pyrene | 12.57 | 202 | 812794 | 33.13 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.76 | 228 | 395944 | 22.01 | ng | | 98 |
| 82) Chrysene | 13.76 | 228 | 395944 | 21.63 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 131822 | 8.66 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 14.77 | 252 | 476715 | 26.64 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 14.77 | 252 | 476715 | 32.53 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.07 | 252 | 257155 | 16.66 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.75 | 276 | 120811 | 9.14 | ng | # | 92 |

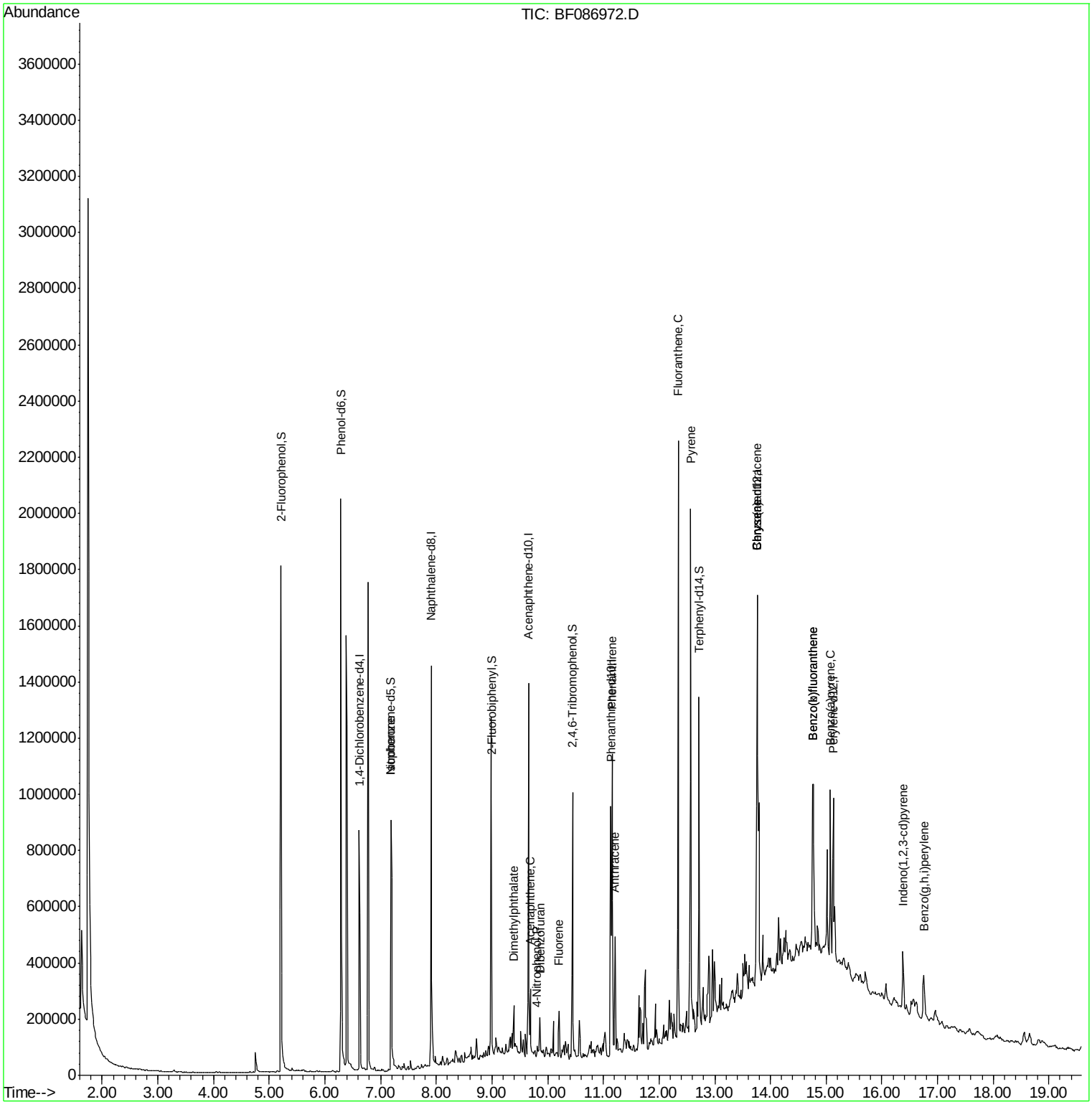
(#) = qualifier out of range (m) = manual integration (+) = signals summed

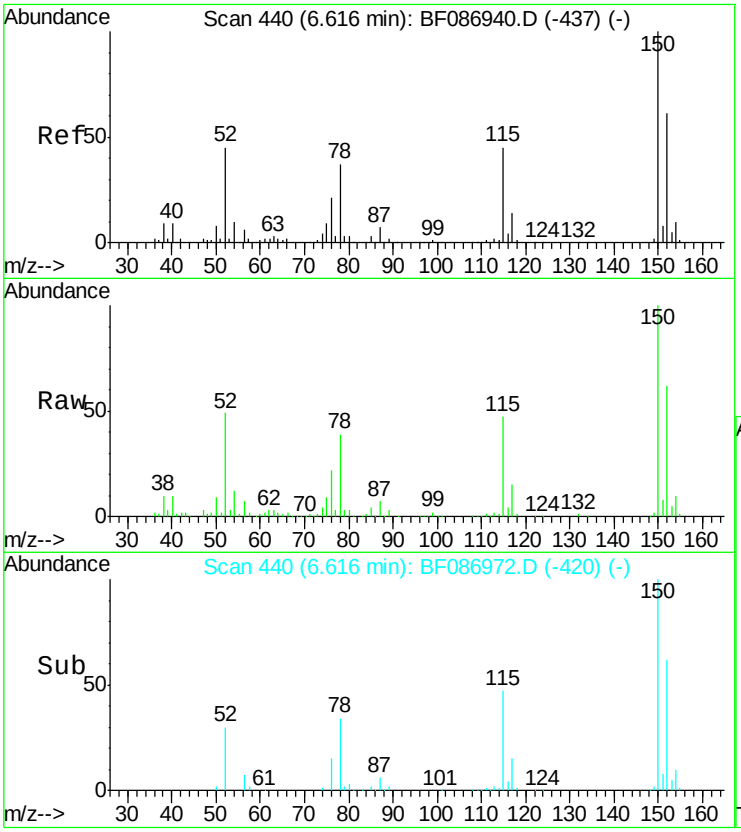
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\Data\BF051216\
Data File : BF086972.D
Acq On : 13 May 2016 13:33
Operator : UM/SJ
Sample : H2965-02DL 2X
Misc :
ALS Vial : 50 Sample Multiplier: 1

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

Quant Time: May 13 15:09:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration



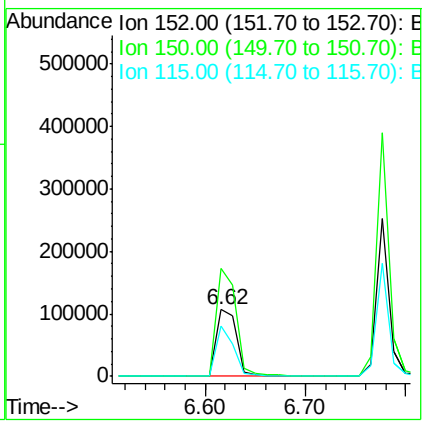


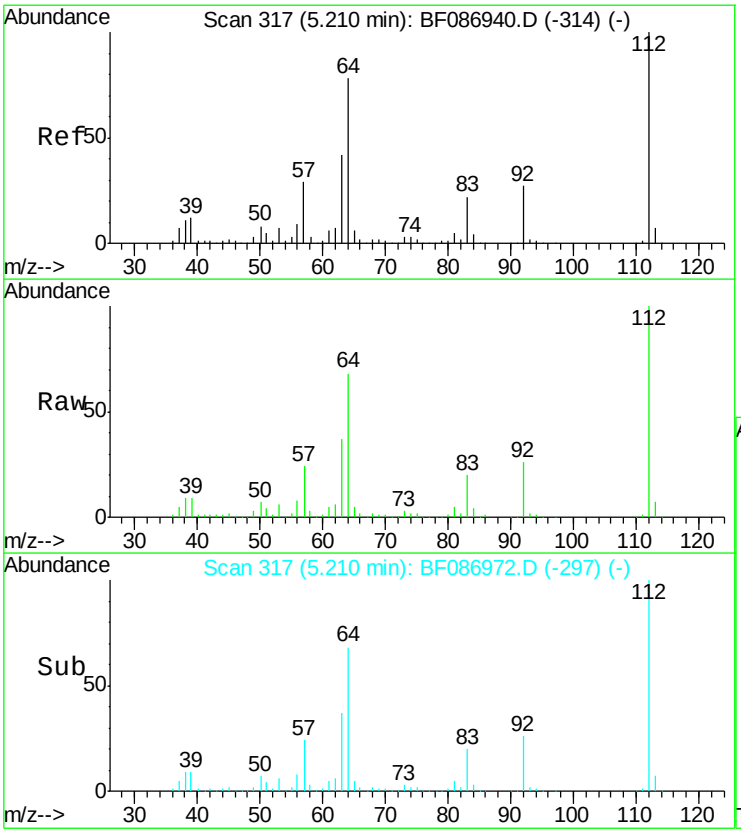

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:152 Resp: 151892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.8 | 125.8 | 188.6 |
| 115 | 76.1 | 51.5 | 77.3 |

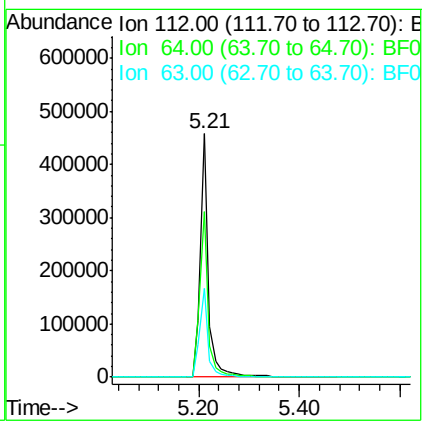


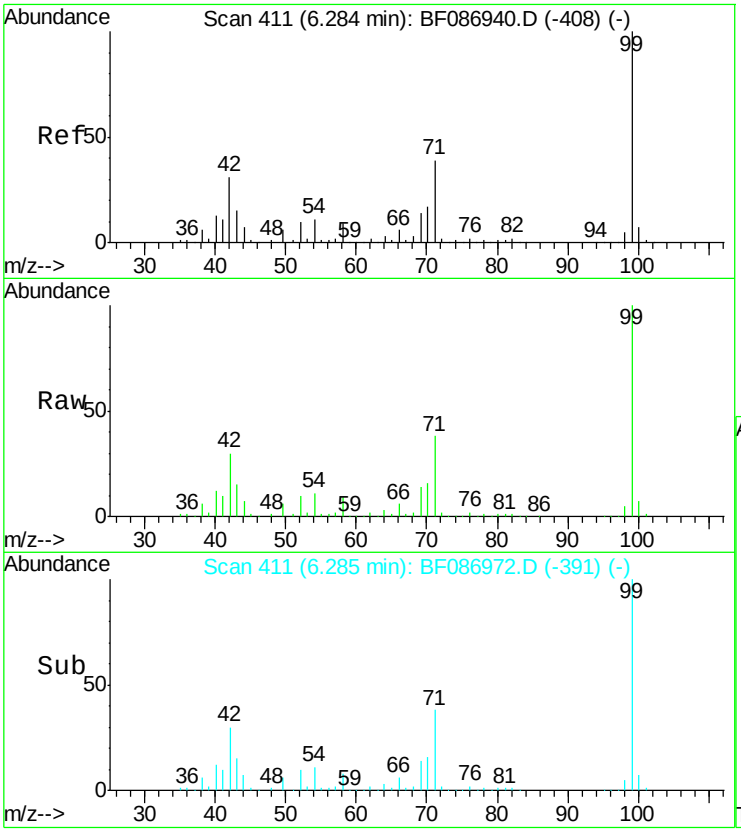




#5
2-Fluorophenol
Concen: 57.69 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:112 Resp: 517443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.8 | 52.1 | 78.1 |
| 63 | 36.6 | 25.7 | 38.5 |



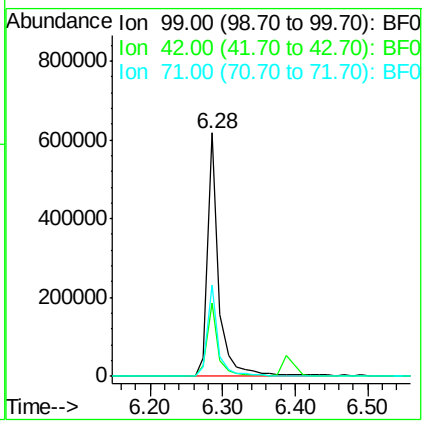


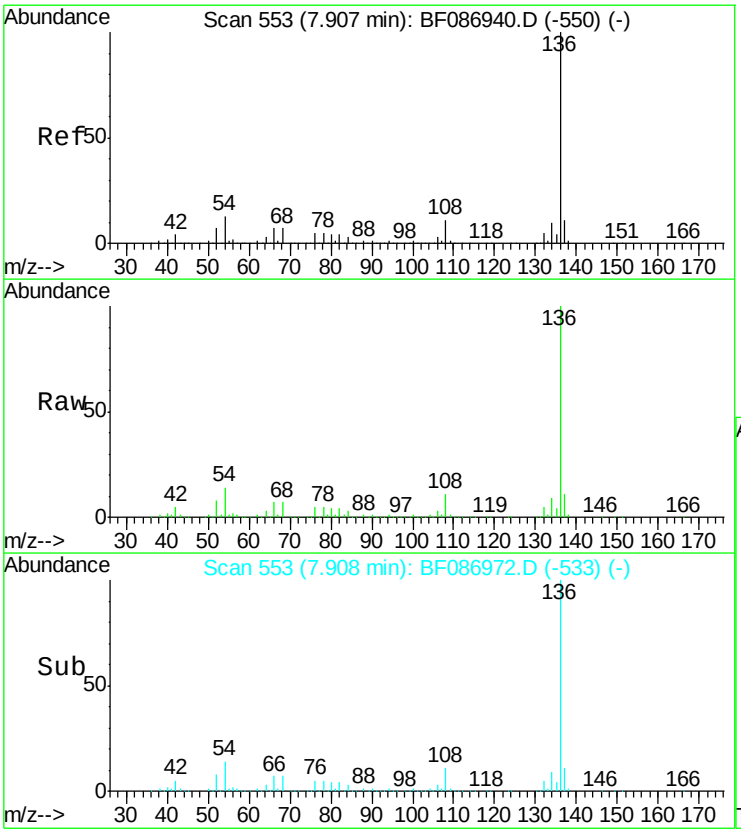

#7
Phenol-d6
Concen: 55.79 ng
RT: 6.28 min Scan# 411
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion: 99 Resp: 668781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 29.9 | 13.6 | 20.4# |
| 71 | 37.6 | 24.6 | 36.8# |

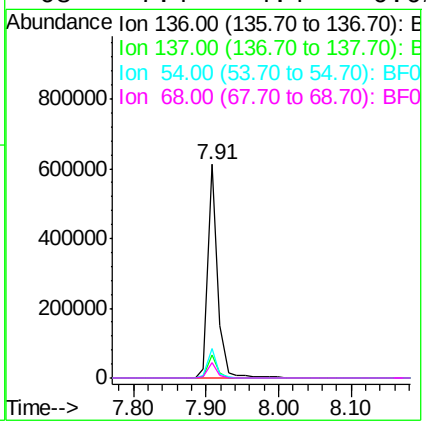


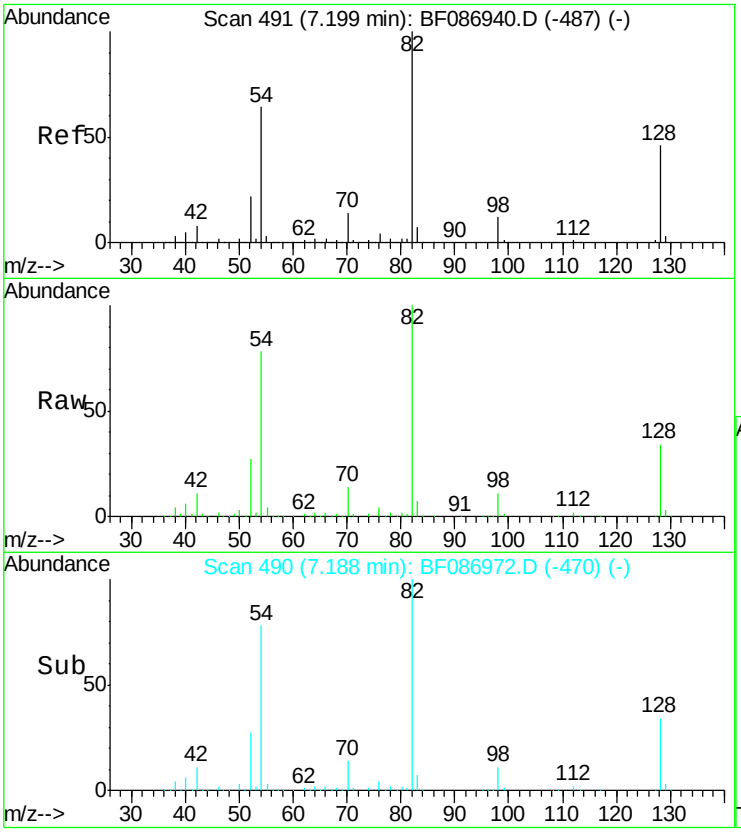




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:136 Resp: 577345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 13.8 | 5.0 | 7.4# |
| 68 | 7.4 | 4.4 | 6.6# |



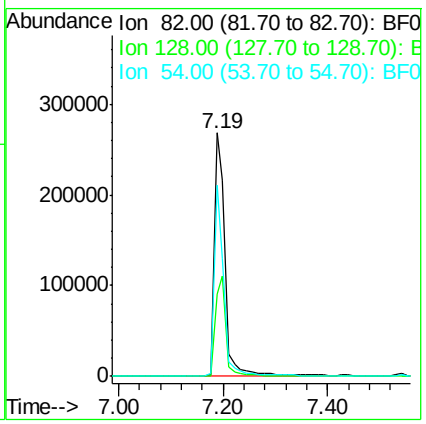


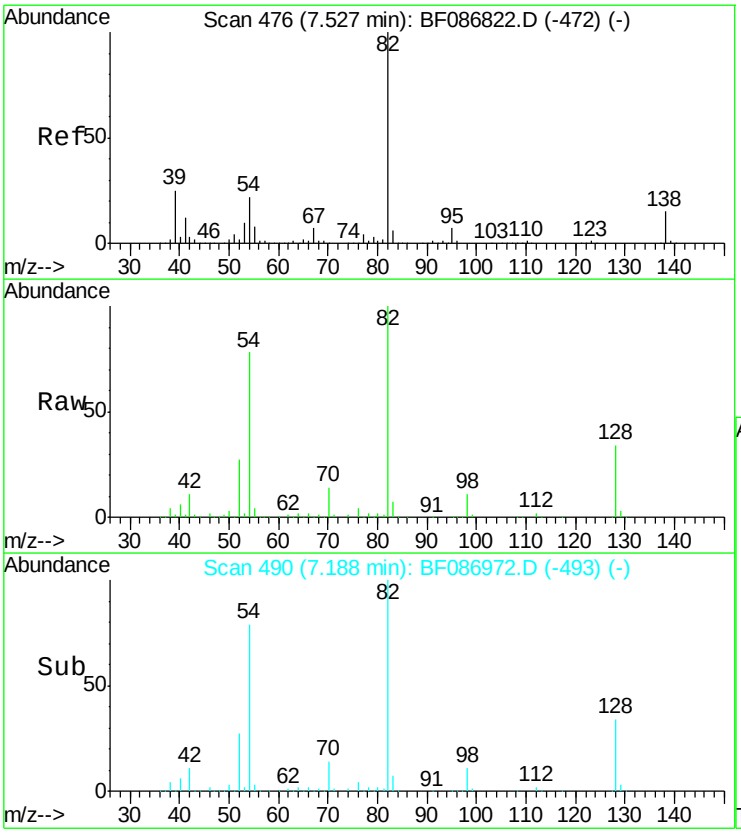

#23
Nitrobenzene-d5
Concen: 33.97 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion: 82 Resp: 390636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.9 | 40.6 | 61.0# |
| 54 | 78.3 | 38.1 | 57.1# |

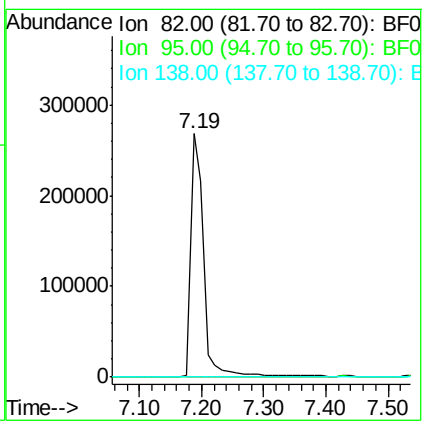


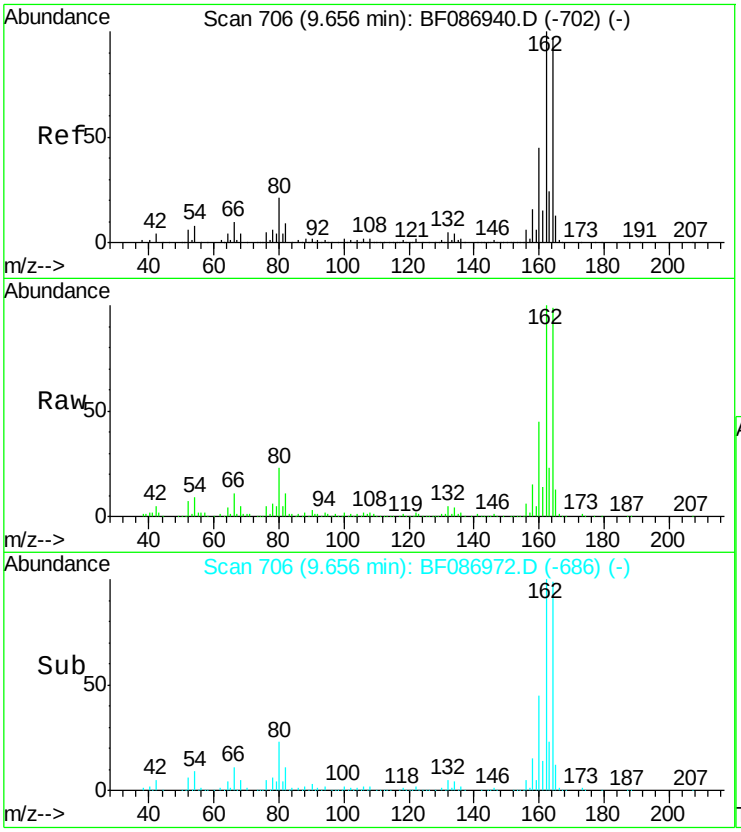




#25
Isophorone
Concen: 17.54 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.34 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion: 82 Resp: 374187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.1 | 7.7# |
| 138 | 0.0 | 12.4 | 18.6# |



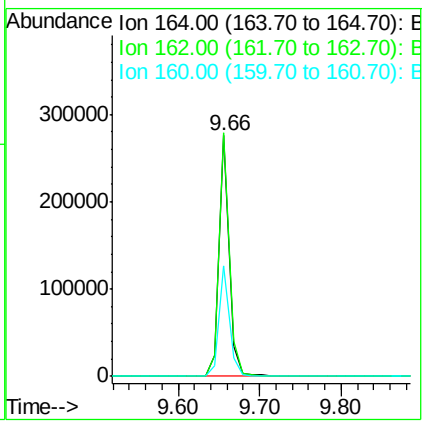


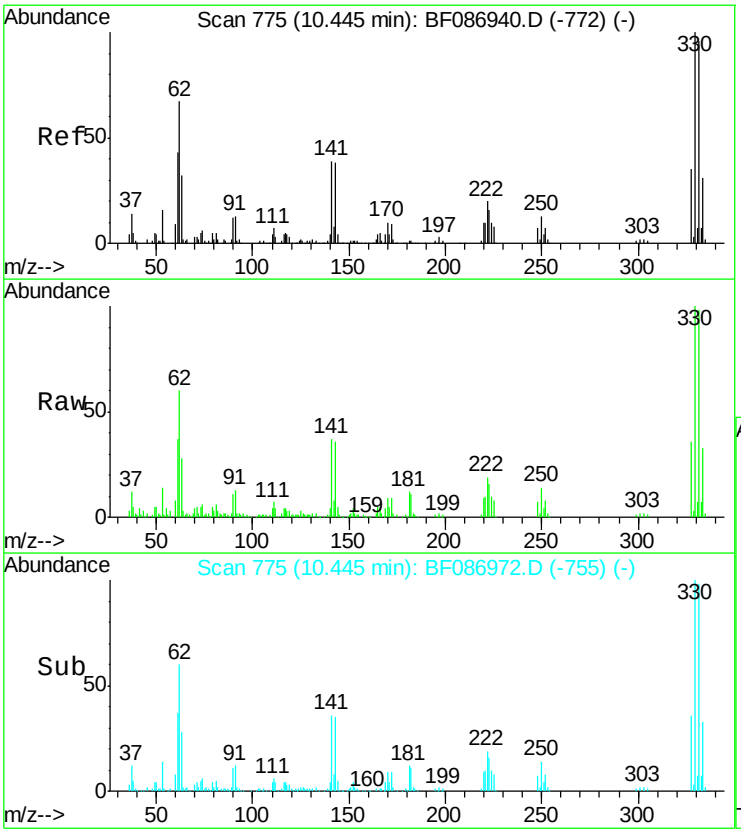

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:164 Resp: 236547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 82.8 | 124.2 |
| 160 | 45.9 | 36.9 | 55.3 |

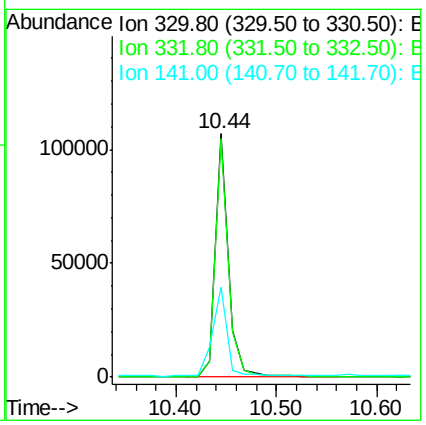


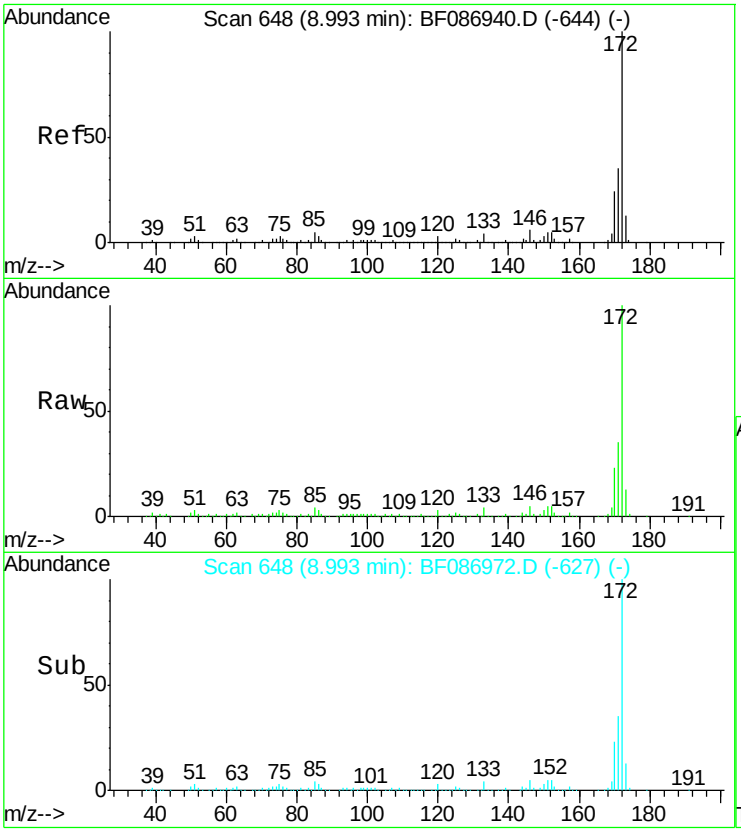




#41
2,4,6-Tribromophenol
Concen: 38.93 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:330 Resp: 97501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.2 | 79.0 | 118.4 |
| 141 | 40.6 | 31.2 | 46.8 |



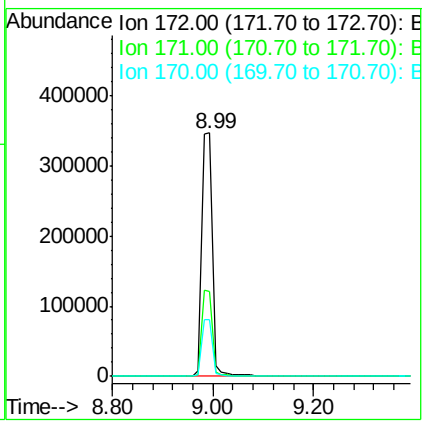


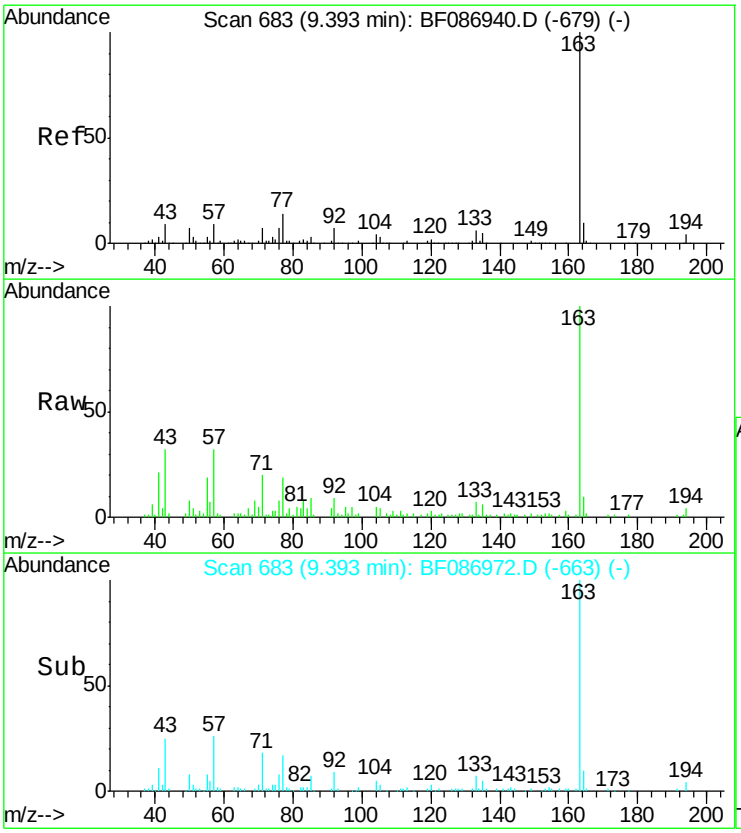

#44
2-Fluorobiphenyl
Concen: 36.24 ng
RT: 8.99 min Scan# 648
Delta R.T. -0.07 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:172 Resp: 510047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 29.0 | 43.6 |
| 170 | 23.4 | 19.8 | 29.8 |

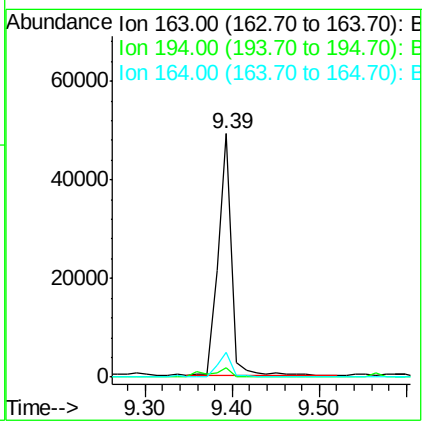


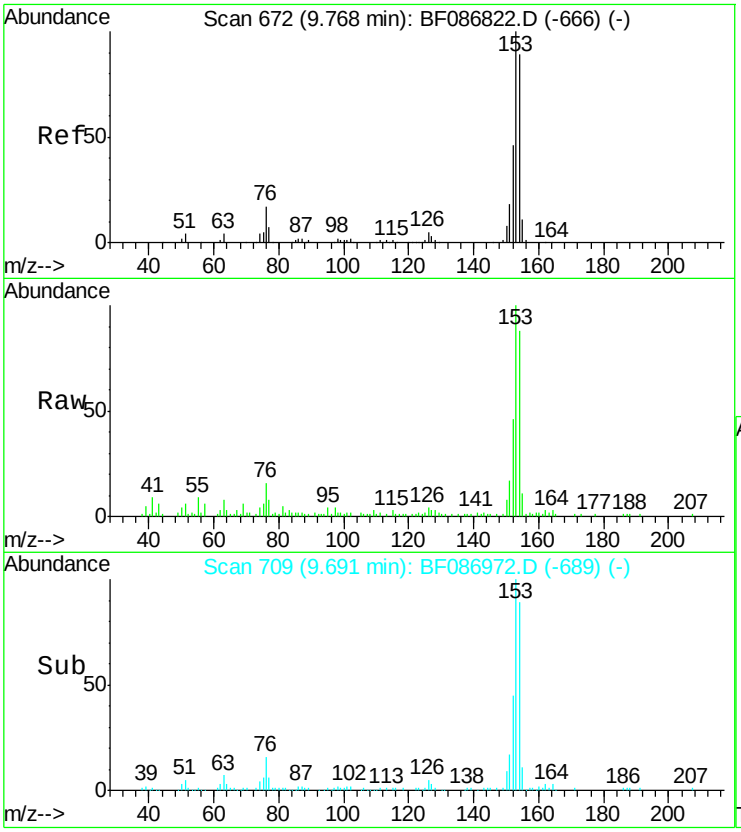




#49
Dimethylphthalate
Concen: 2.93 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:163 Resp: 52807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.7 | 2.6 | 4.0 |
| 164 | 10.4 | 8.2 | 12.4 |



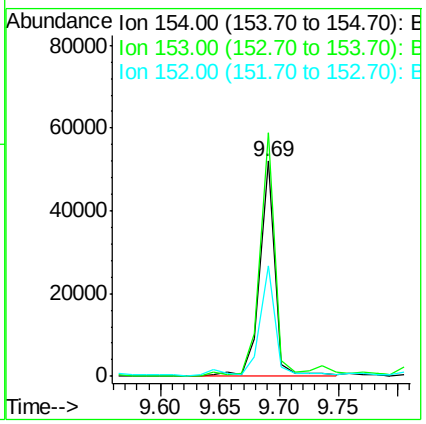


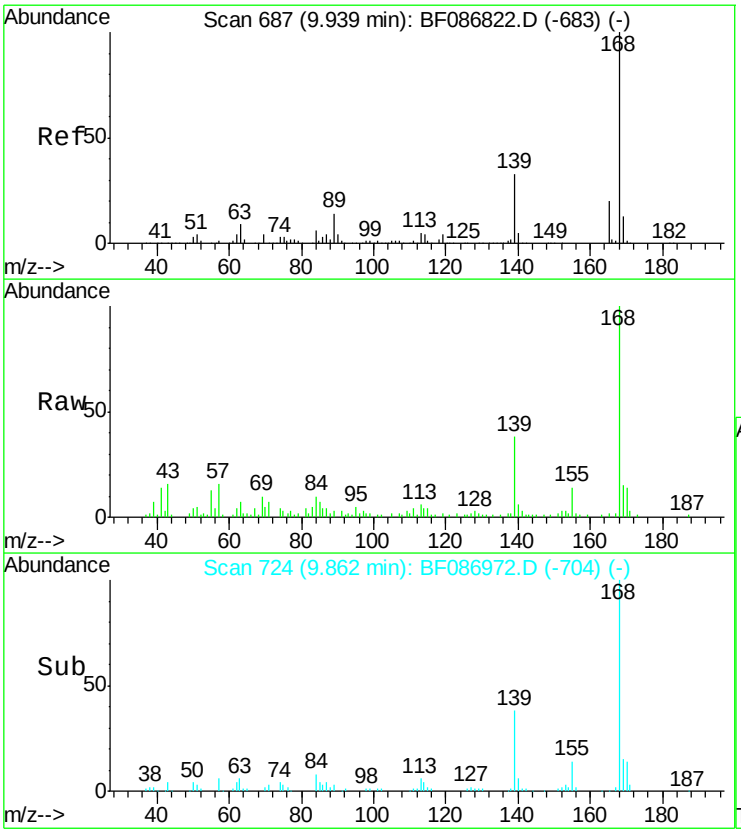

#51
Acenaphthene
Concen: 3.47 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:154 Resp: 46804

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.1 | 89.8 | 134.6 |
| 152 | 51.6 | 43.4 | 65.0 |

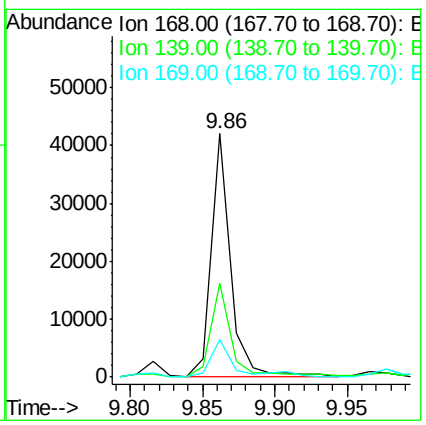


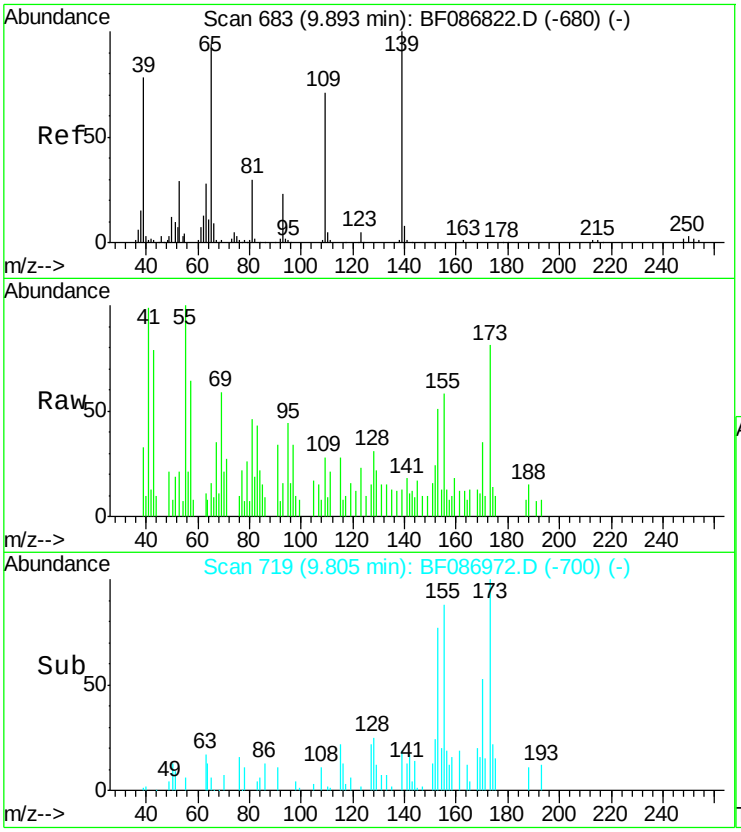




#54
Dibenzofuran
Concen: 2.24 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:168 Resp: 38858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.5 | 31.4 | 47.0 |
| 169 | 15.4 | 10.7 | 16.1 |



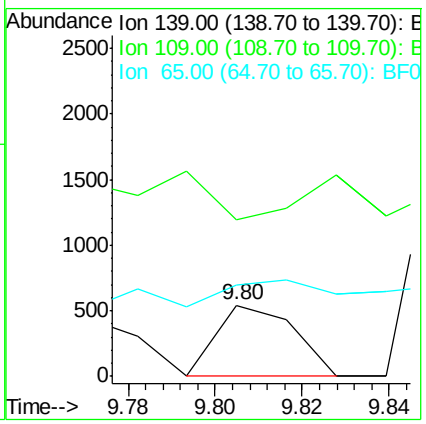


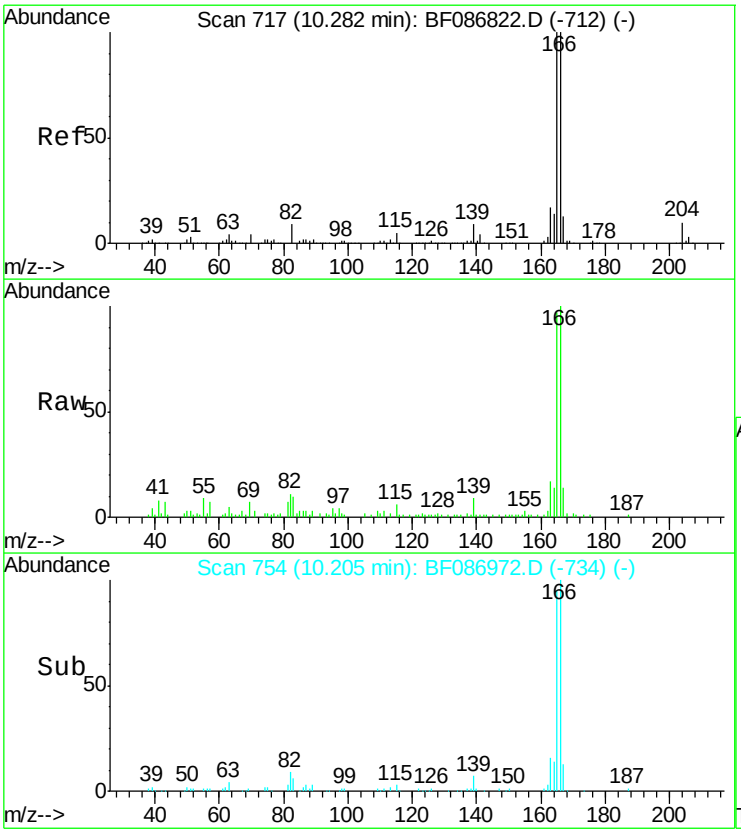

#55
4-Nitrophenol
Concen: 4.80 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.09 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:139 Resp: 670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 219.3 | 36.9 | 76.9# |
| 65 | 127.8 | 64.0 | 104.0# |

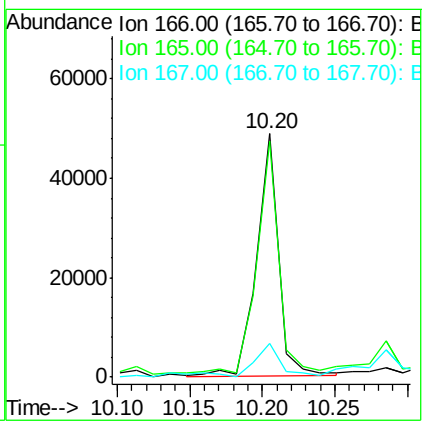


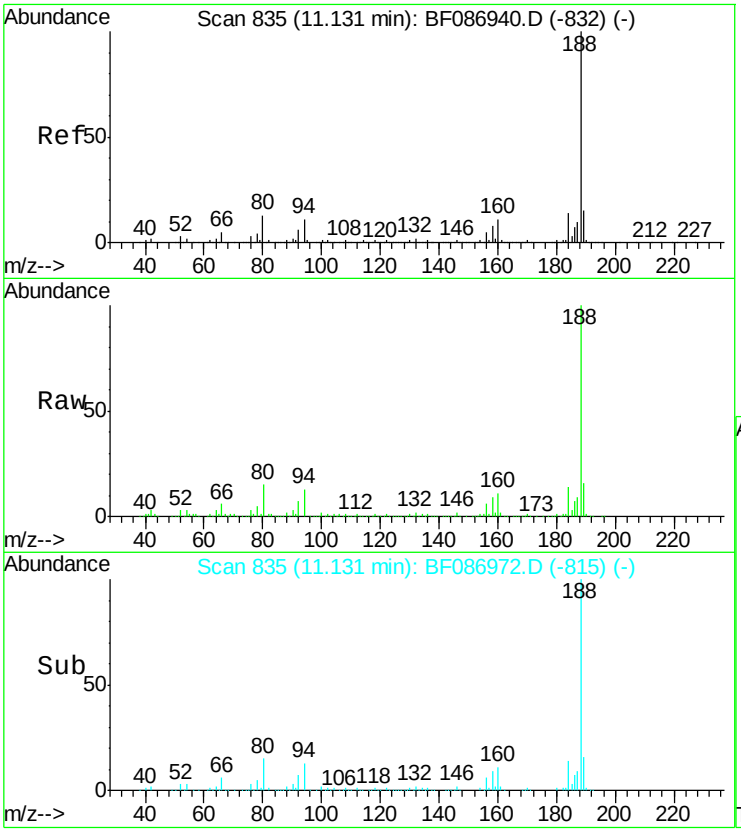




#57
Fluorene
Concen: 3.45 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:166 Resp: 50964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.9 | 79.0 | 118.6 |
| 167 | 14.1 | 10.6 | 15.8 |



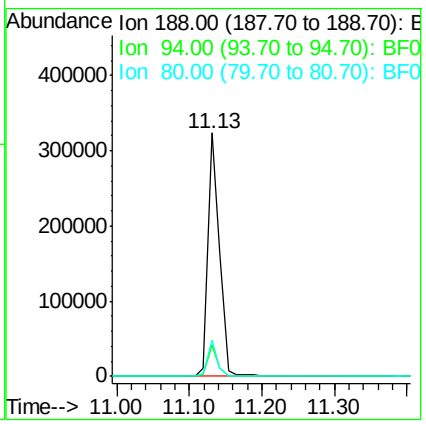


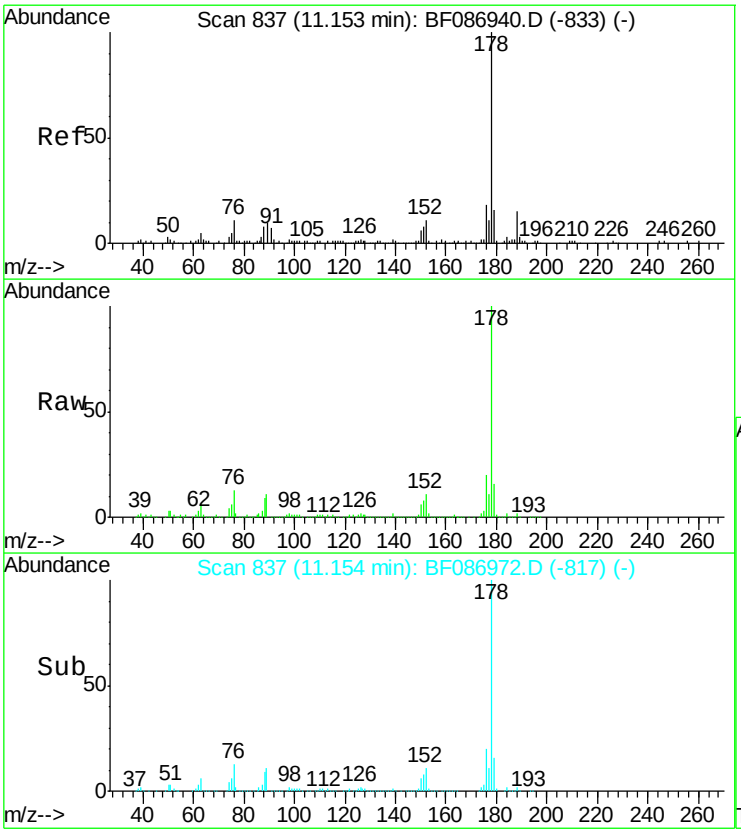

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:188 Resp: 355893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.8 | 6.8 | 10.2# |
| 80 | 14.9 | 7.1 | 10.7# |

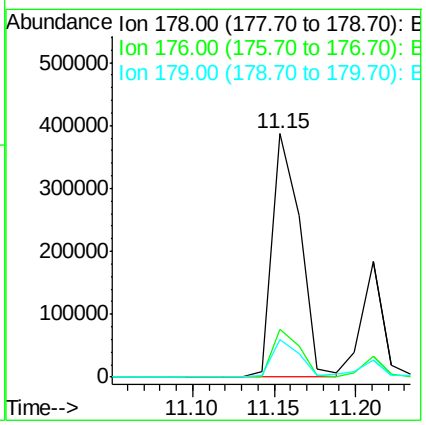


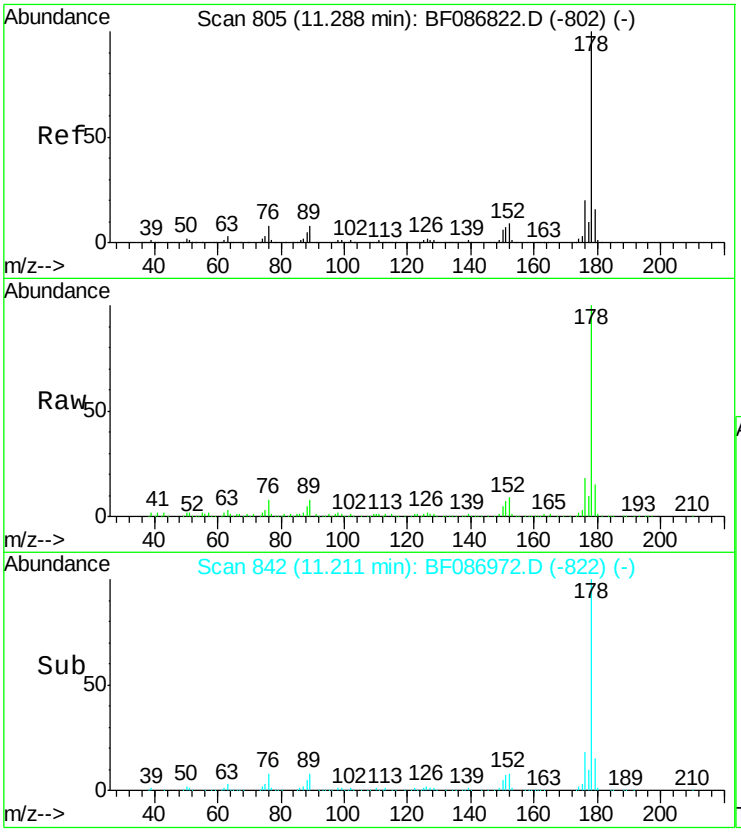




#70
Phenanthrene
Concen: 24.29 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:178 Resp: 461264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 16.0 | 24.0 |
| 179 | 15.7 | 12.6 | 18.8 |

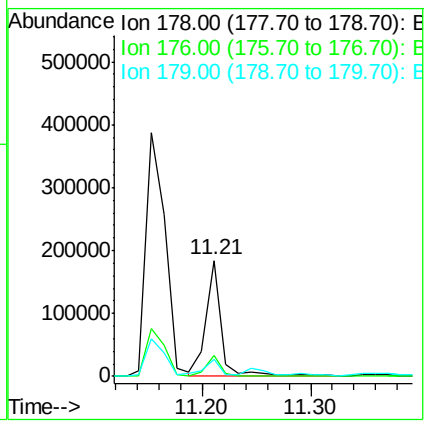




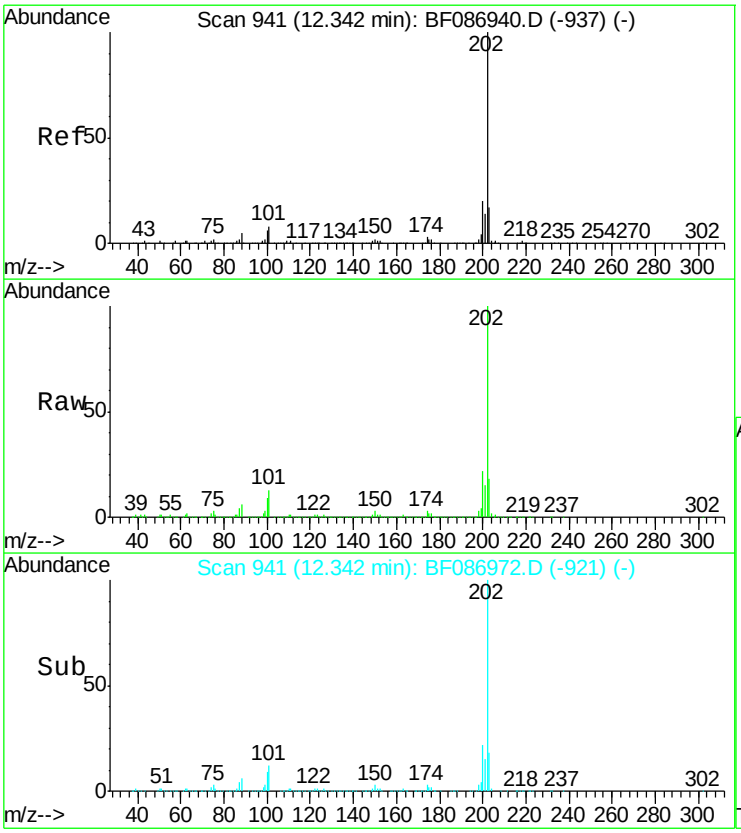

#71
Anthracene
Concen: 9.18 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:178 Resp: 178234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.6 | 23.4 |
| 179 | 15.1 | 12.7 | 19.1 |



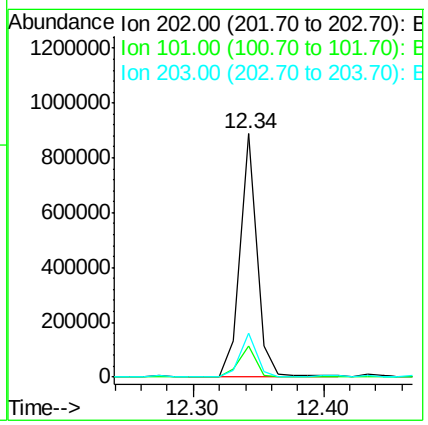

**Instrument :**
BNA_F
**ClientSampleId :**

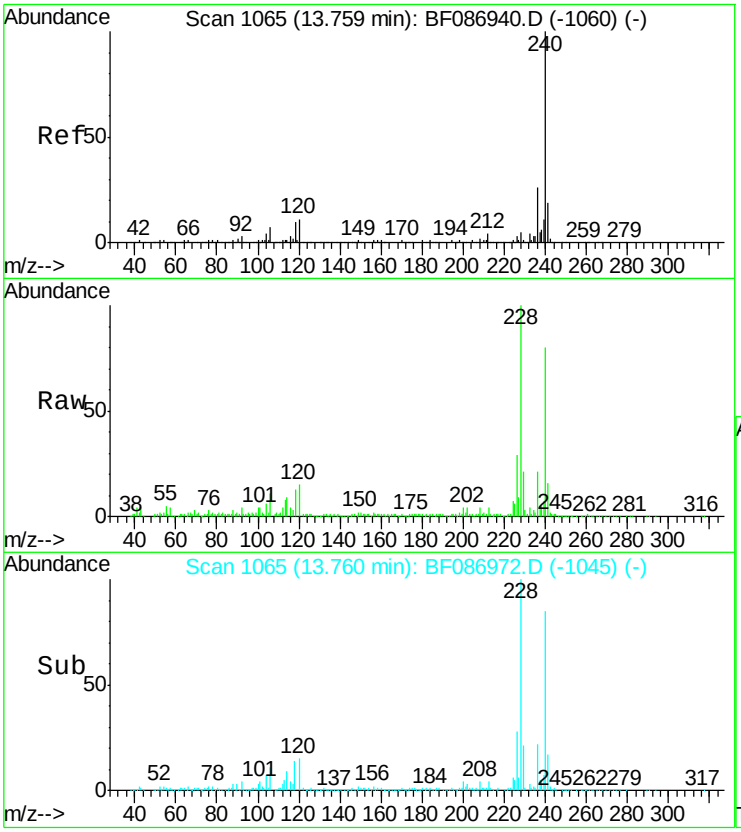



#74
Fluoranthene
Concen: 40.38 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:202 Resp: 788737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 35.4 |
| 203 | 17.9 | 0.0 | 38.1 |



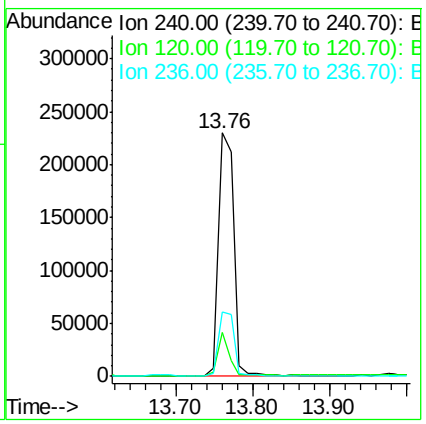


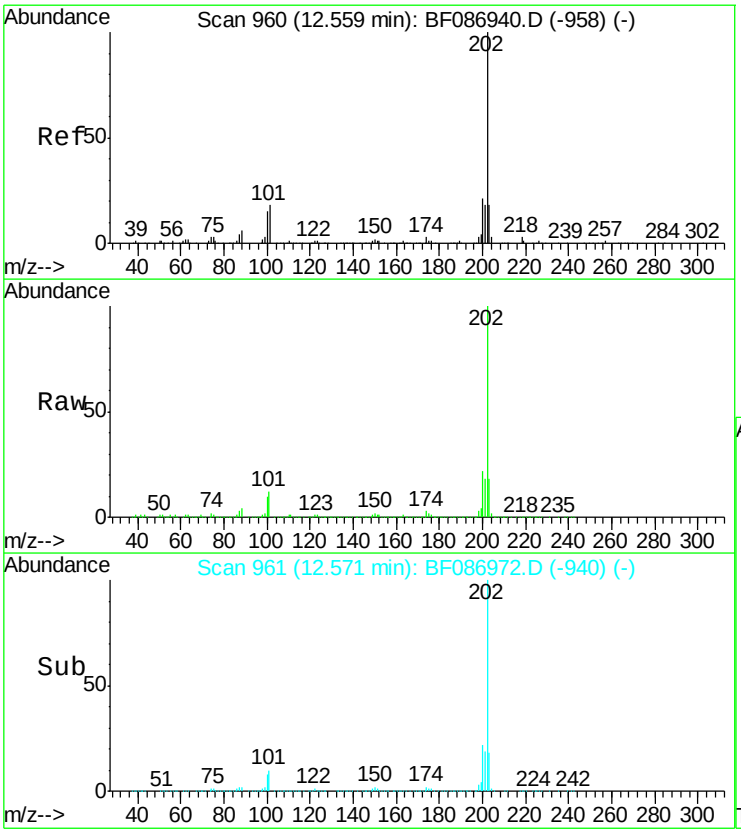

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:240 Resp: 320487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 18.2 | 11.2 | 16.8# |
| 236 | 26.4 | 21.2 | 31.8 |

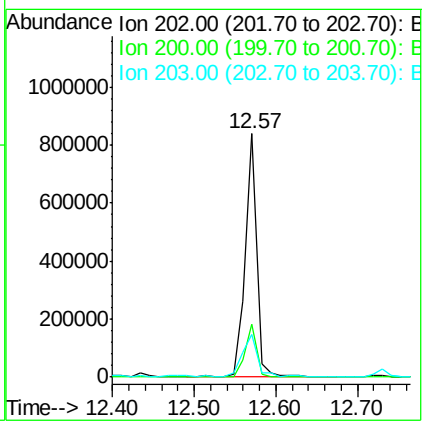


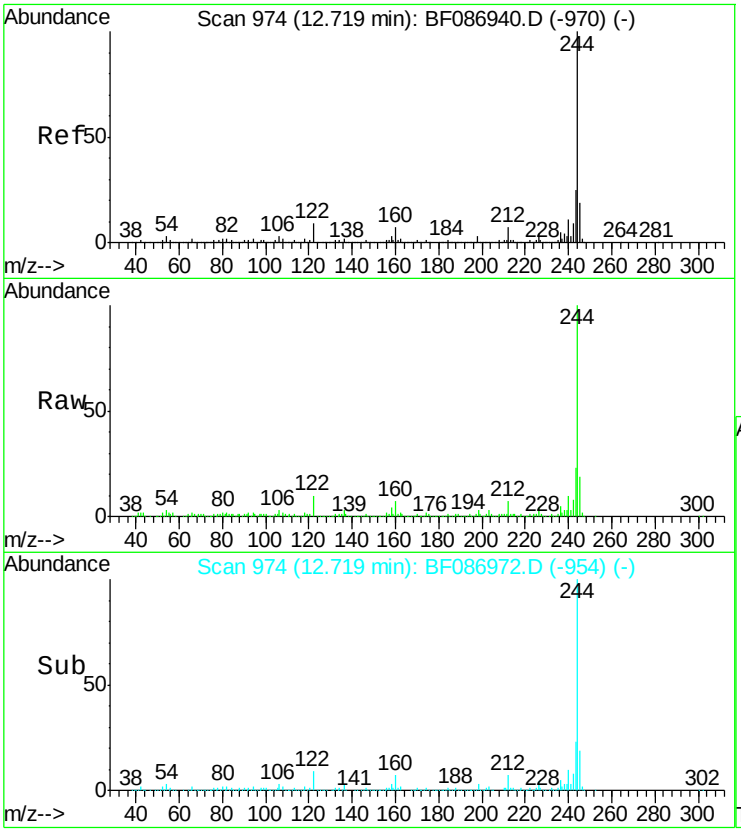




#77
Pyrene
Concen: 33.13 ng
RT: 12.57 min Scan# 961
Delta R.T. -0.07 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:202 Resp: 812794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.6 | 17.7 | 26.5 |
| 203 | 17.6 | 14.2 | 21.4 |



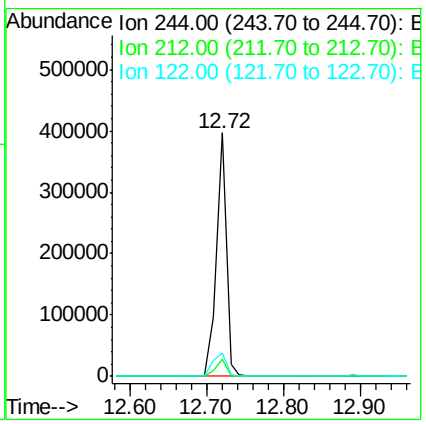


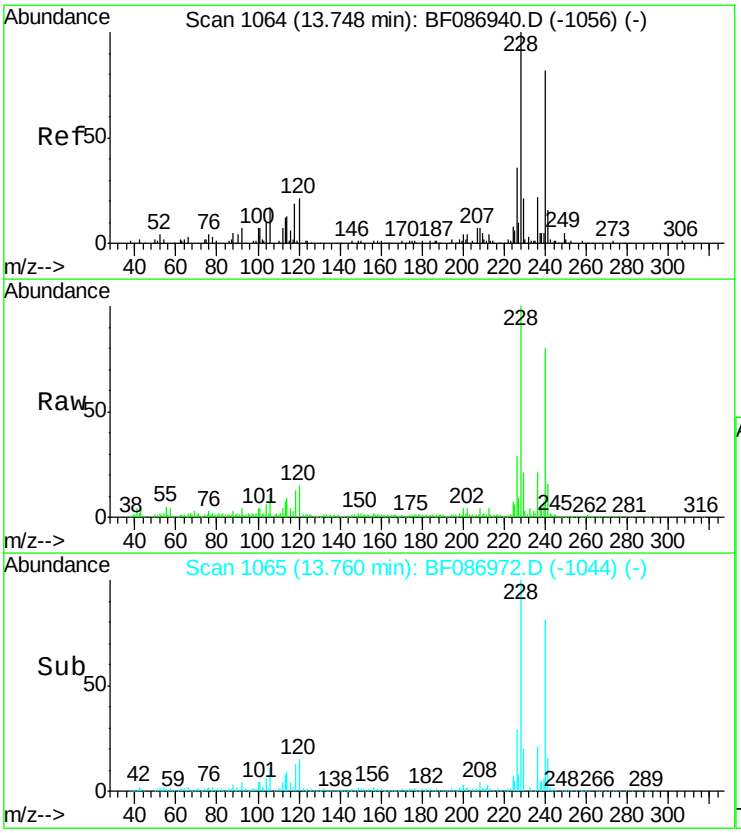

#78
Terphenyl-d14
Concen: 23.76 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:244 Resp: 358883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.2 | 9.2 |
| 122 | 9.5 | 12.0 | 18.0# |

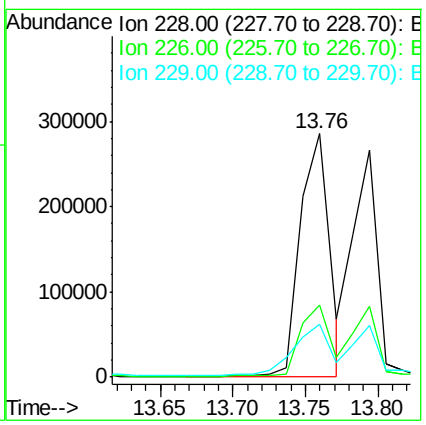


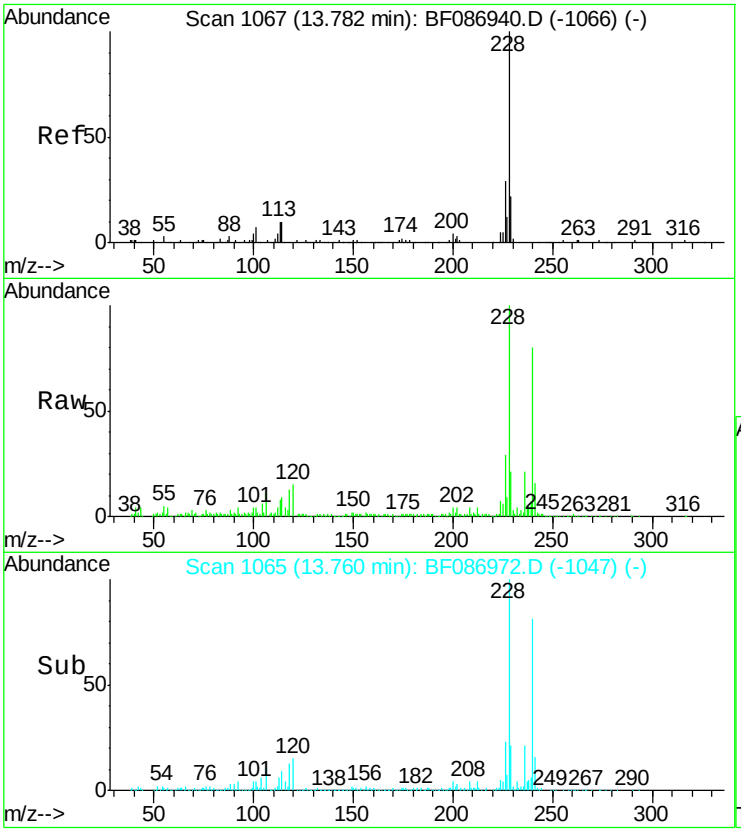




#80
Benzo(a)anthracene
Concen: 22.01 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.07 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:228 Resp: 395944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 22.5 | 33.7 |
| 229 | 21.5 | 16.6 | 25.0 |



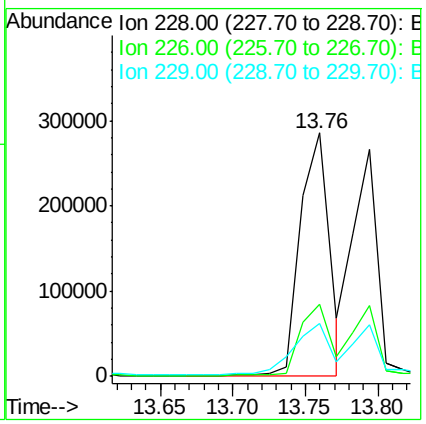


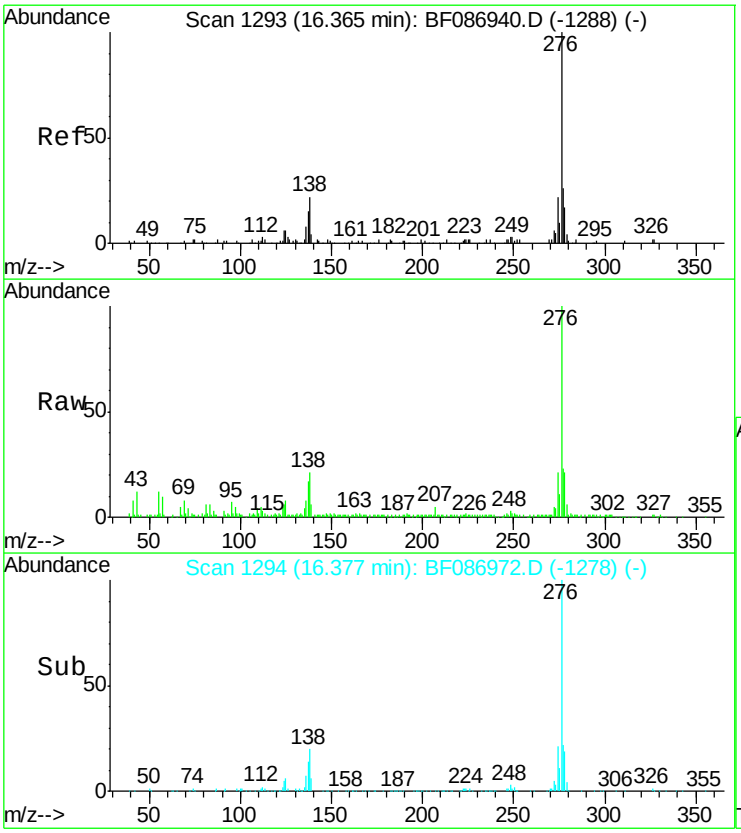

#82
Chrysene
Concen: 21.63 ng
RT: 13.76 min Scan# 1065
Delta R.T. -0.10 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:228 Resp: 395944

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.4 | 36.6 |
| 229 | 21.5 | 15.8 | 23.8 |

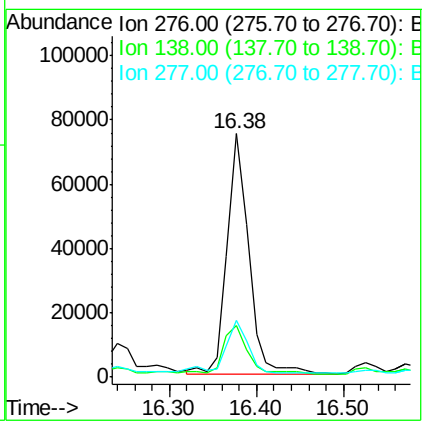


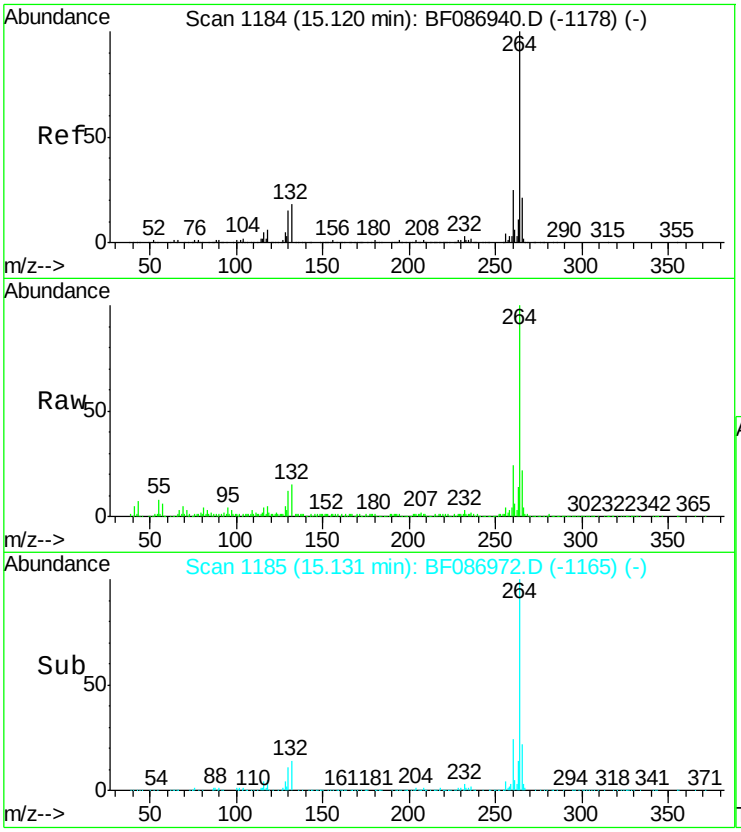




#85
Indeno(1,2,3-cd)pyrene
Concen: 8.66 ng
RT: 16.38 min Scan# 1294
Delta R.T. -0.12 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:276 Resp: 131822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.2 | 25.6 | 38.4# |
| 277 | 24.0 | 20.5 | 30.7 |



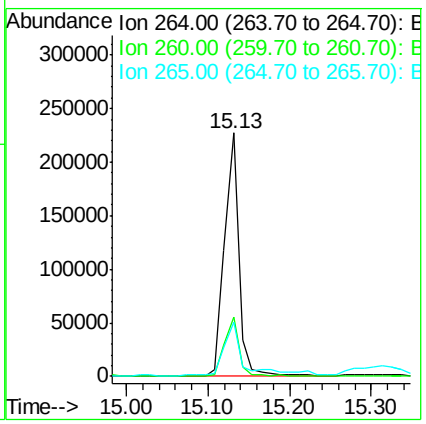


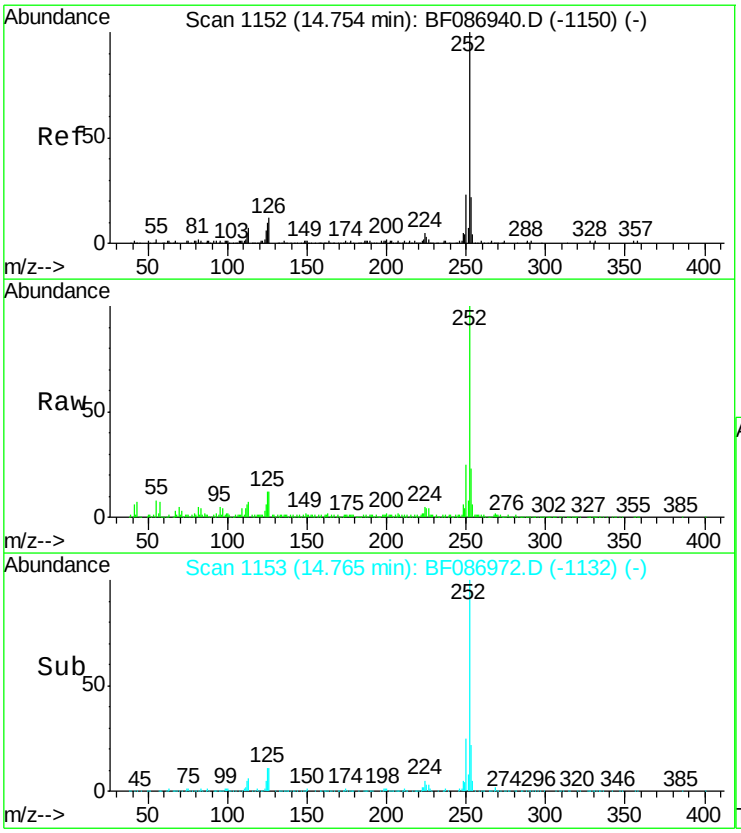

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:264 Resp: 275381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 19.5 | 29.3 |
| 265 | 22.5 | 17.3 | 25.9 |

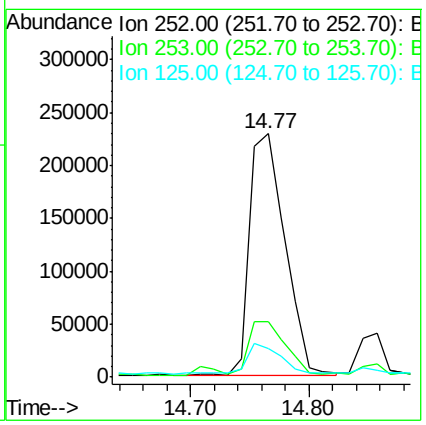


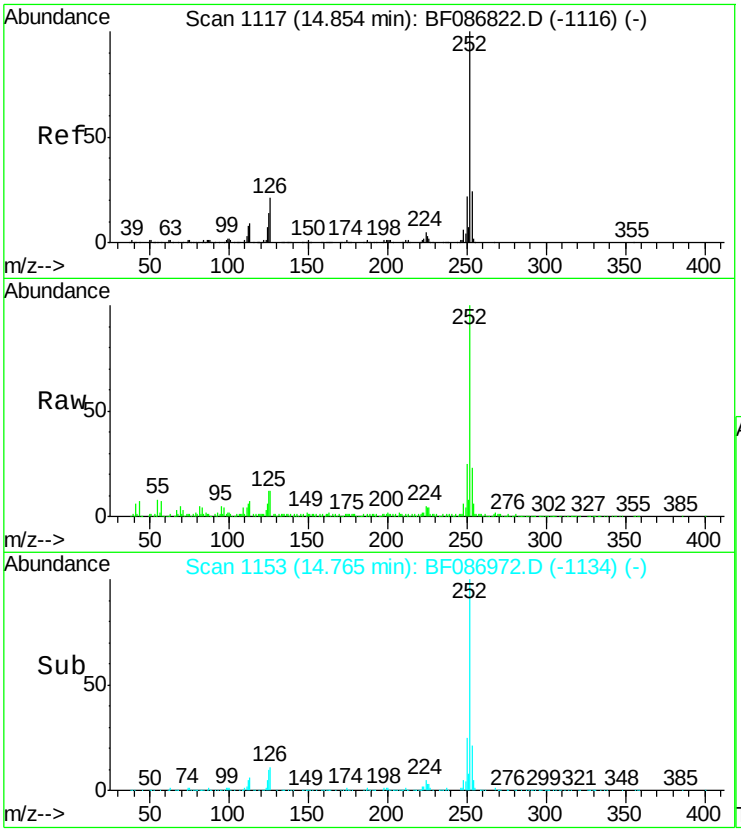




#87
Benzo(b)fluoranthene
Concen: 26.64 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:252 Resp: 476715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.8 | 26.6 |
| 125 | 12.0 | 11.4 | 17.0 |



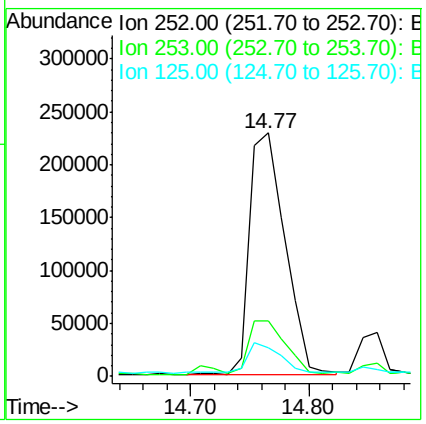


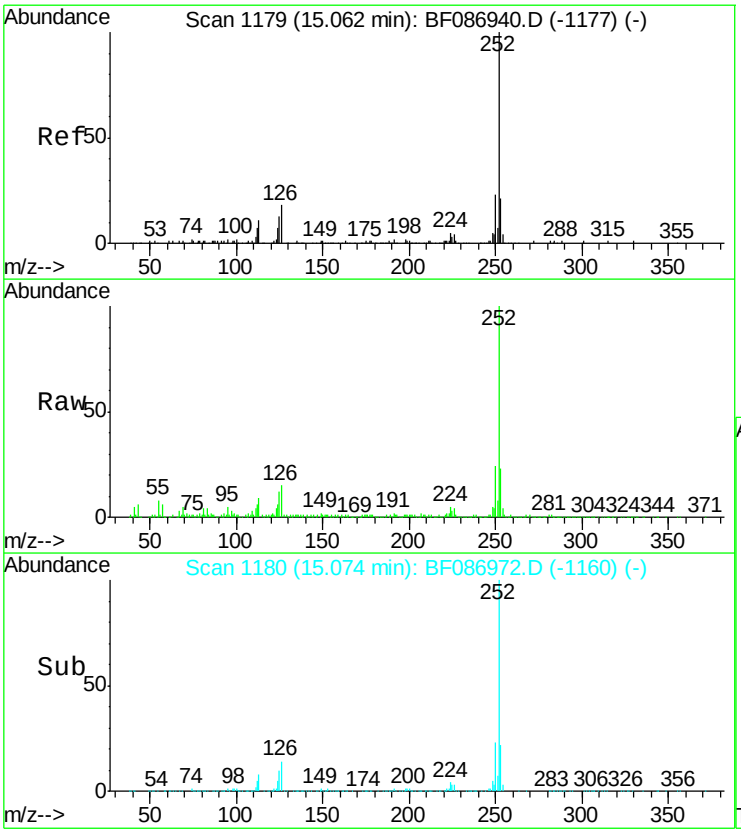

#88
Benzo(k)fluoranthene
Concen: 32.53 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:252 Resp: 476715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.8 | 26.6 |
| 125 | 12.0 | 9.1 | 13.7 |

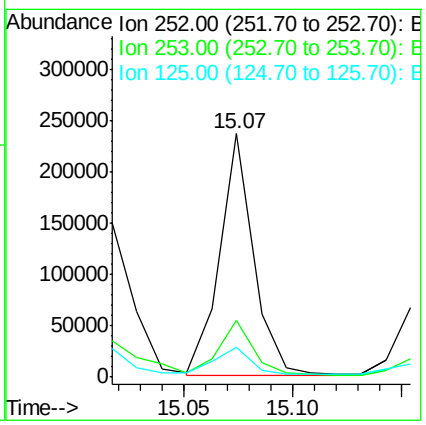


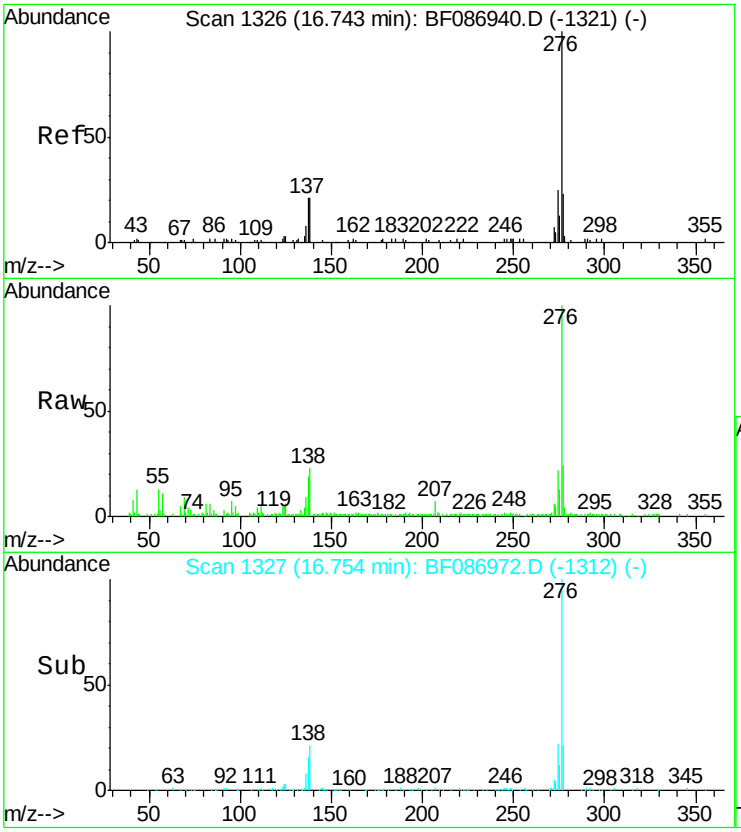




#89
Benzo(a)pyrene
Concen: 16.66 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion:252 Resp: 257155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.2 | 25.8 |
| 125 | 12.1 | 9.0 | 13.6 |






#91
Benzo(g,h,i)perylene
Concen: 9.14 ng
RT: 16.75 min Scan# 1327
Delta R.T. -0.13 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

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

Tgt Ion:276 Resp: 120811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 19.6 | 29.4 |
| 138 | 22.7 | 23.6 | 35.4# |