Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085384.D
Acq On : 11 Mar 2016 20:58
Operator : UM/SJ
Sample : H1758-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** POST-EX-16-20160309

Quant Time: Mar 11 22:01:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 156950 | 20.00 | ng | | -0.05 |
| 21) Naphthalene-d8 | 8.22 | 136 | 590671 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 262111 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 394312 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.11 | 240 | 282533 | 20.00 | ng | | -0.05 |
| 86) Perylene-d12 | 15.58 | 264 | 299751 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 1048749 | 112.08 | ng | | -0.05 |
| 7) Phenol-d6 | 6.56 | 99 | 1226749 | 100.07 | ng | | -0.05 |
| 23) Nitrobenzene-d5 | 7.50 | 82 | 815345 | 73.87 | ng | | -0.05 |
| 41) 2,4,6-Tribromophenol | 10.77 | 330 | 216637 | 96.59 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1336415 | 77.54 | ng | | -0.05 |
| 78) Terphenyl-d14 | 13.05 | 244 | 847694 | 69.65 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.56 | 77 | 1881 | Below Cal | | # | 2 |
| 19) n-Nitroso-di-n-propylamine | 7.50 | 70 | 113539 | 14.21 | ng | # | 77 |
| 25) Isophorone | 7.50 | 82 | 625365 | 30.57 | ng | # | 67 |
| 49) Dimethylphthalate | 9.69 | 163 | 134169 | 6.67 | ng | | 98 |
| 55) 4-Nitrophenol | 10.18 | 139 | 10296 | 2.54 | ng | # | 27 |
| 56) 2,4-Dinitrotoluene | 9.98 | 165 | 35783 | 6.50 | ng | # | 22 |
| 66) 4-Bromophenyl-phenylether | 10.77 | 248 | 16190 | 4.23 | ng | # | 1 |
| 70) Phenanthrene | 11.49 | 178 | 457226 | 22.13 | ng | | 98 |
| 71) Anthracene | 11.53 | 178 | 111636 | 5.09 | ng | | 97 |
| 72) Carbazole | 11.69 | 167 | 42300 | 2.20 | ng | | 98 |
| 74) Fluoranthene | 12.68 | 202 | 565482 | 27.27 | ng | | 97 |
| 77) Pyrene | 12.91 | 202 | 530898 | 24.97 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.09 | 228 | 306653 | 18.13 | ng | | 97 |
| 82) Chrysene | 14.13 | 228 | 222547 | 14.24 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.03 | 276 | 144601 | 11.86 | ng | | 92 |
| 87) Benzo(b)fluoranthene | 15.15 | 252 | 461731 | 23.11 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 15.15 | 252 | 461731 | 28.65 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.51 | 252 | 254401 | 15.37 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 17.04 | 278 | 35746 | 2.53 | ng | # | 82 |
| 91) Benzo(g,h,i)perylene | 17.48 | 276 | 137342 | 9.66 | ng | | 97 |

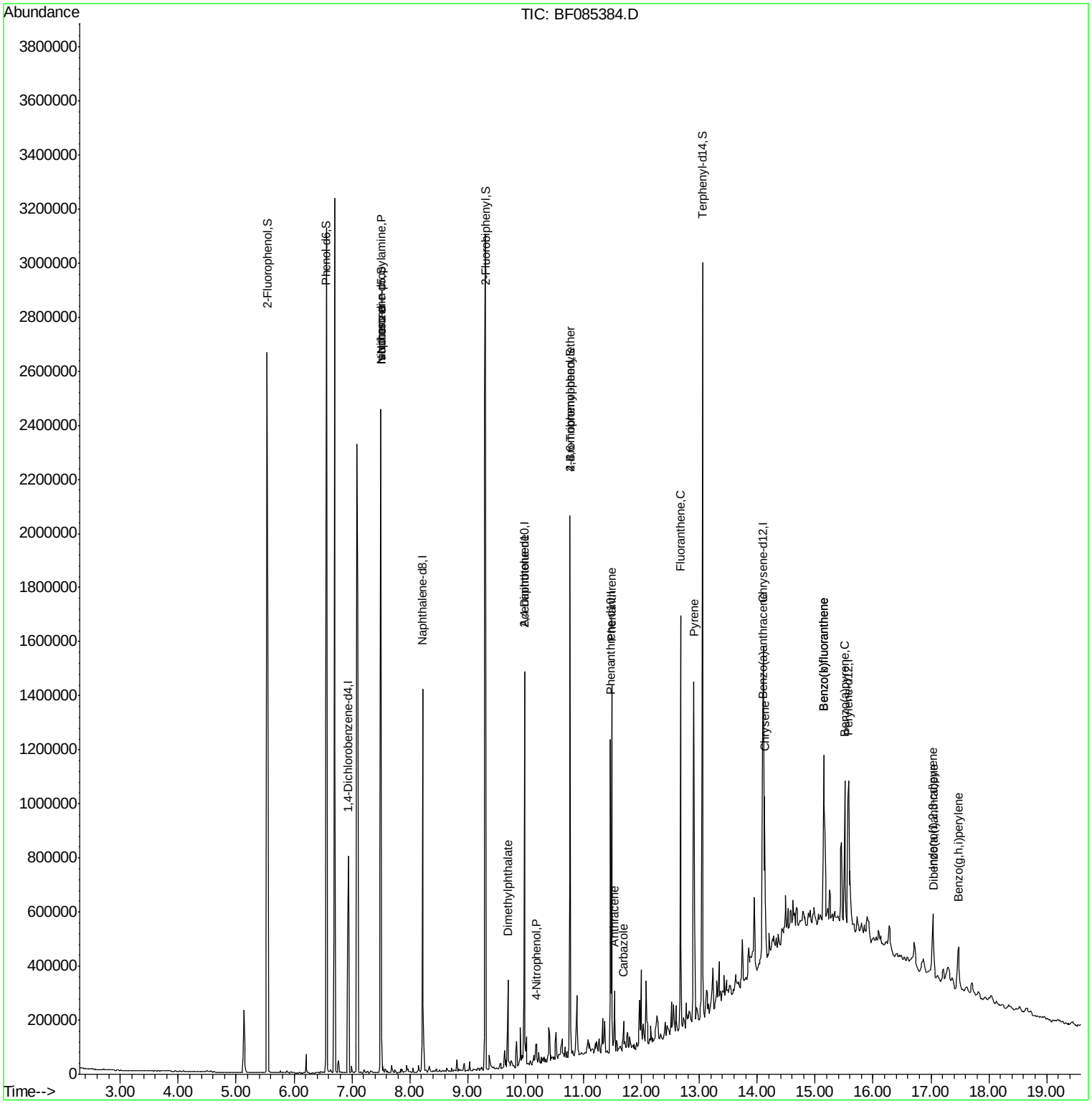
(#) = qualifier out of range (m) = manual integration (+) = signals summed

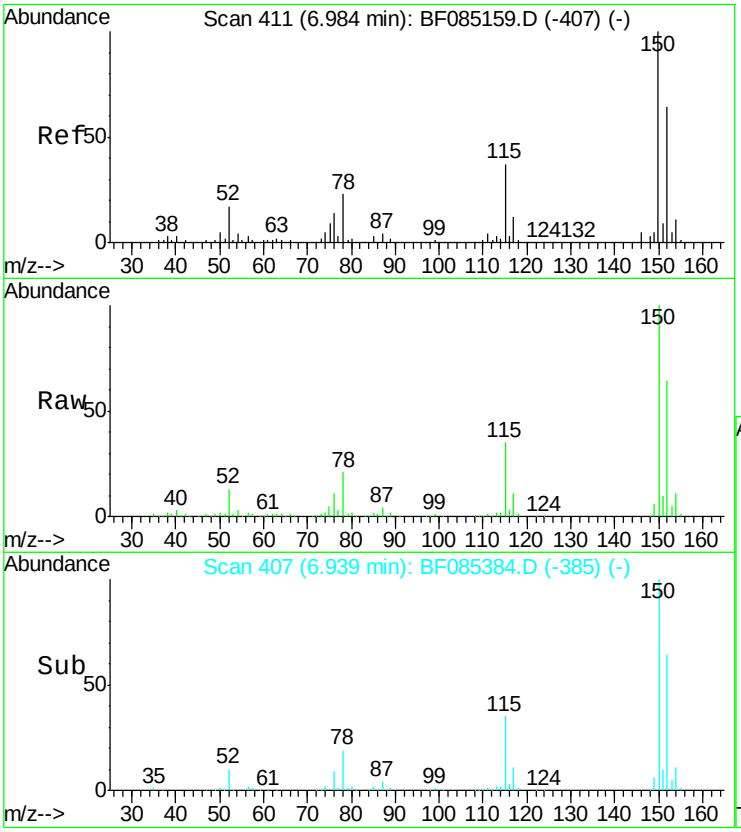
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031116\
Data File : BF085384.D
Acq On : 11 Mar 2016 20:58
Operator : UM/SJ
Sample : H1758-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Quant Time: Mar 11 22:01:49 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration



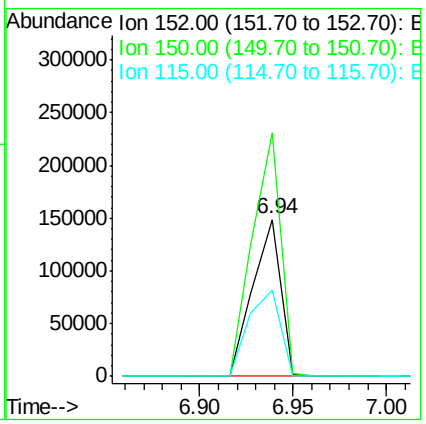


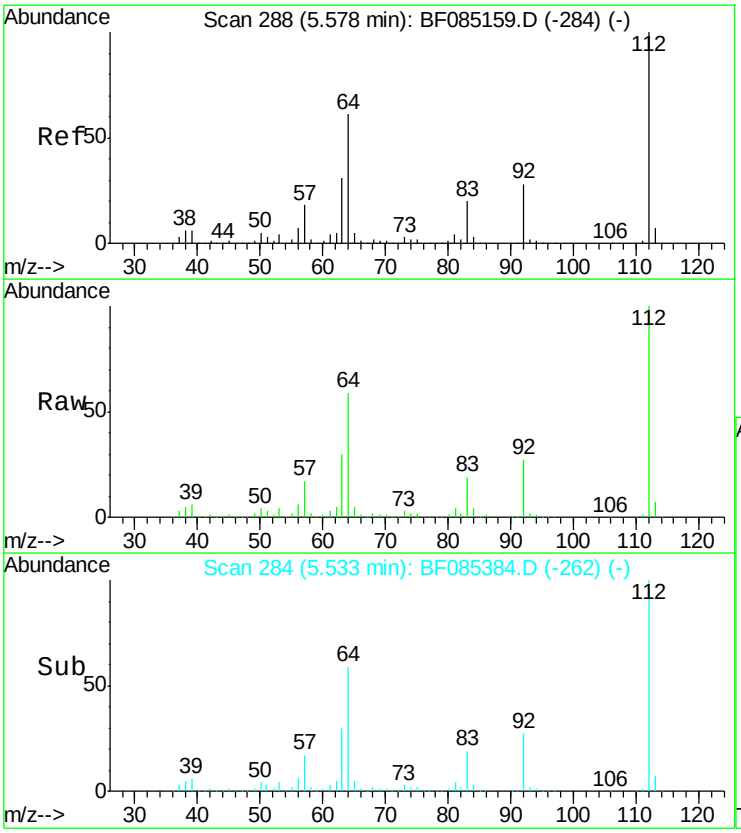

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.94 min Scan# 407
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:152 Resp: 156950

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.1 | 124.6 | 186.8 |
| 115 | 54.7 | 46.6 | 70.0 |

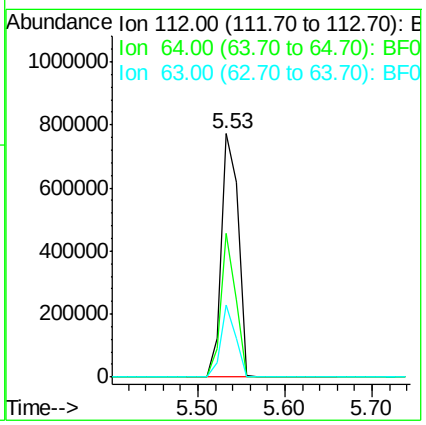


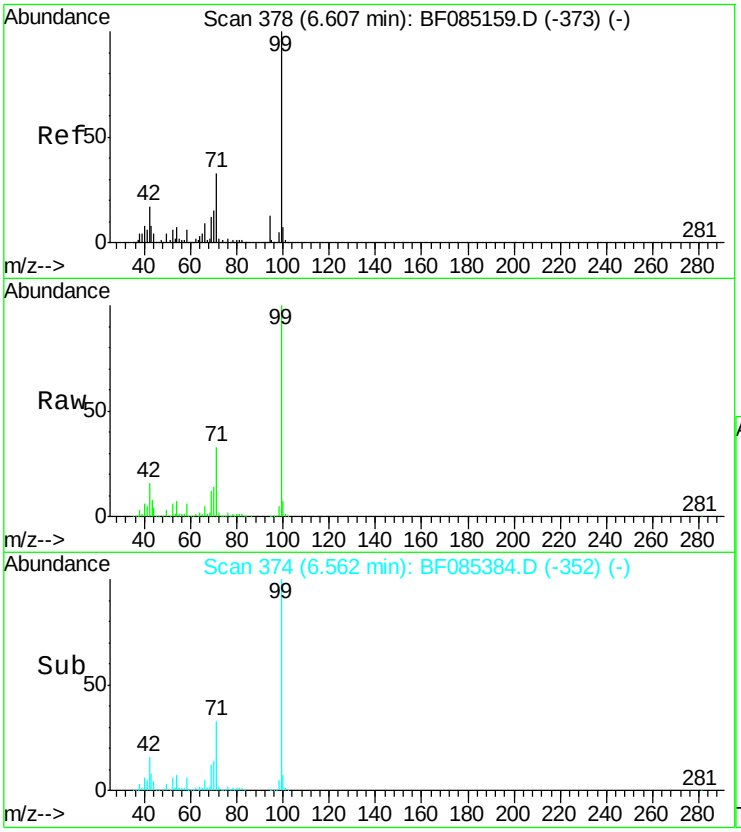




#5
2-Fluorophenol
Concen: 112.08 ng
RT: 5.53 min Scan# 284
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:112 Resp: 1048749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.2 | 49.0 | 73.4 |
| 63 | 29.9 | 24.8 | 37.2 |



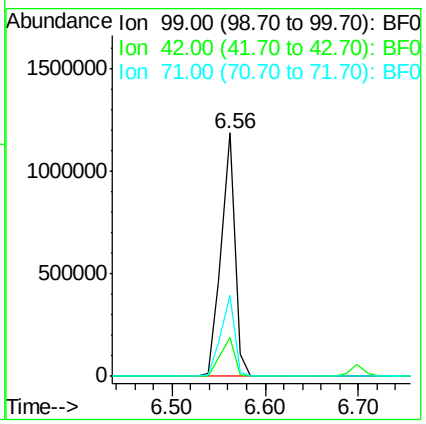


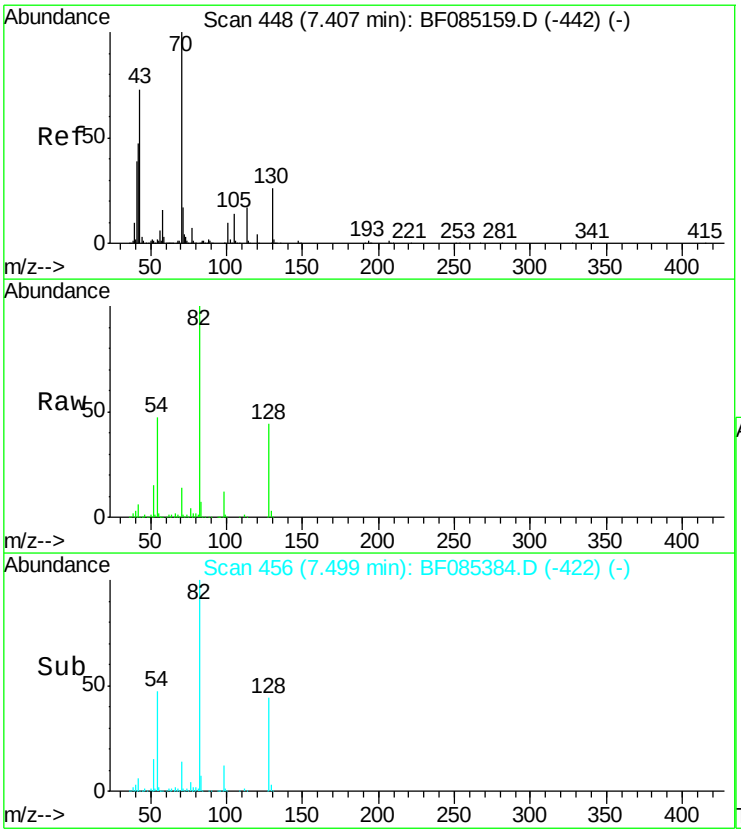

#7
Phenol-d6
Concen: 100.07 ng
RT: 6.56 min Scan# 374
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion: 99 Resp: 1226749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.9 | 13.6 | 20.4 |
| 71 | 33.4 | 26.7 | 40.1 |

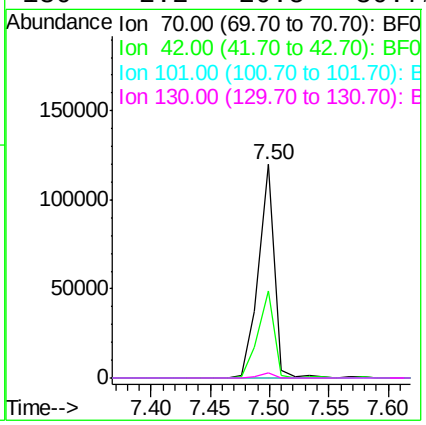


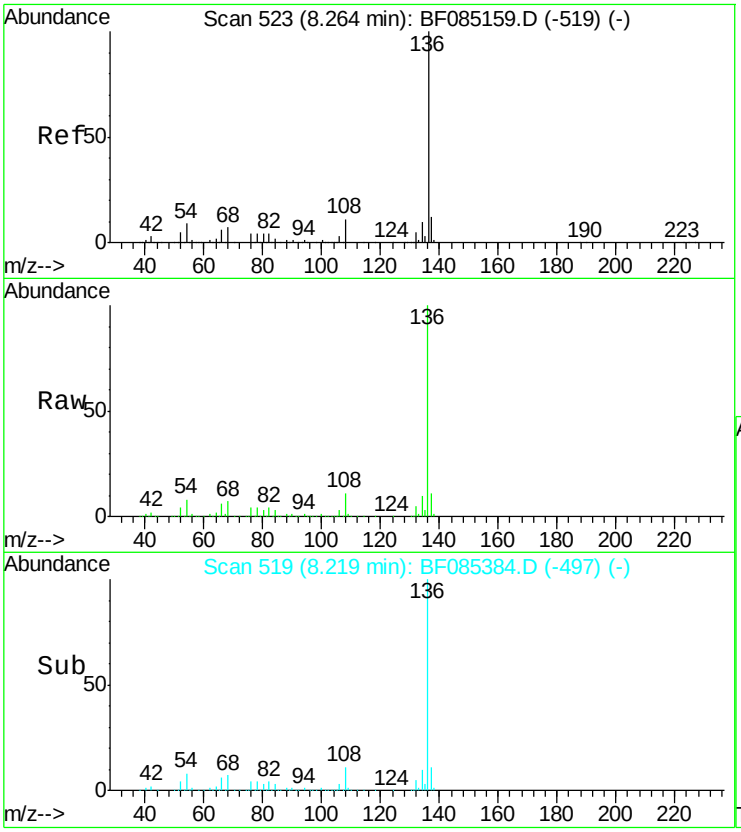




#19
n-Nitroso-di-n-propylamine
Concen: 14.21 ng
RT: 7.50 min Scan# 456
Delta R.T. 0.09 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion: 70 Resp: 113539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 40.9 | 37.7 | 56.5 |
| 101 | 0.0 | 8.2 | 12.4# |
| 130 | 2.2 | 20.5 | 30.7# |



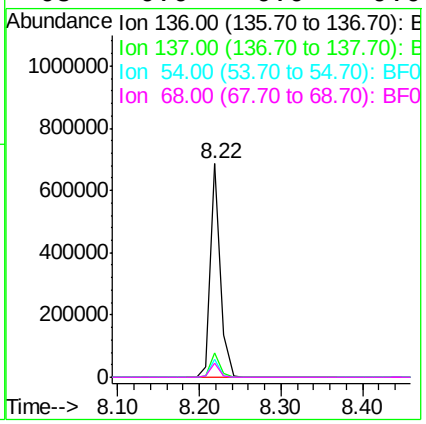


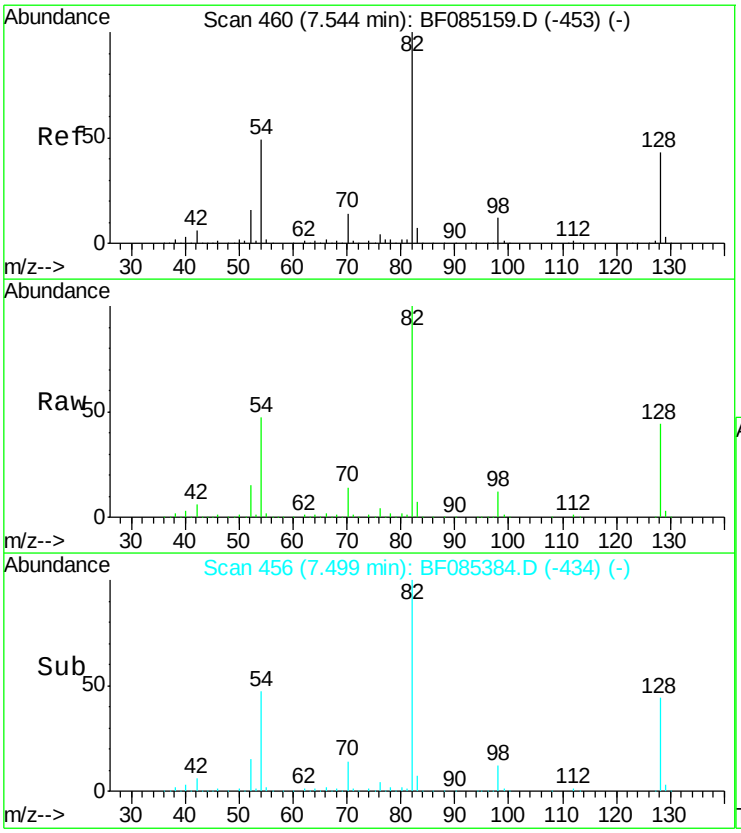

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:136 Resp: 590671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.3 | 13.9 |
| 54 | 8.2 | 7.4 | 11.2 |
| 68 | 6.6 | 6.0 | 9.0 |

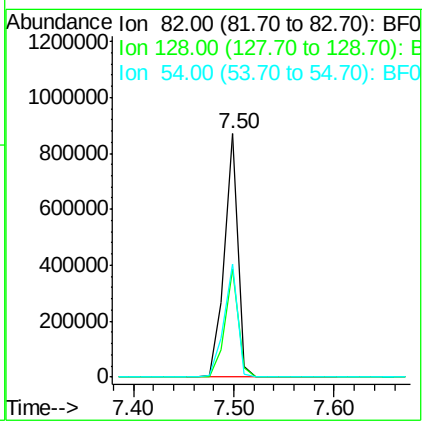


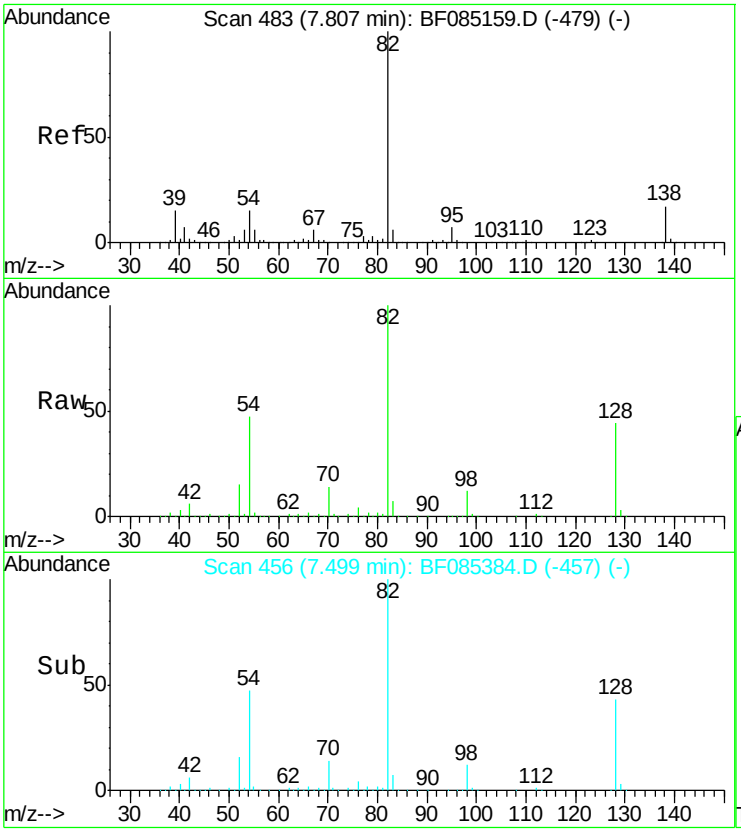




#23
Nitrobenzene-d5
Concen: 73.87 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion: 82 Resp: 815345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.3 | 34.5 | 51.7 |
| 54 | 46.7 | 39.3 | 58.9 |



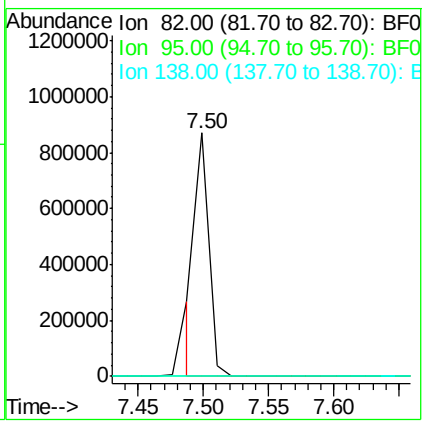


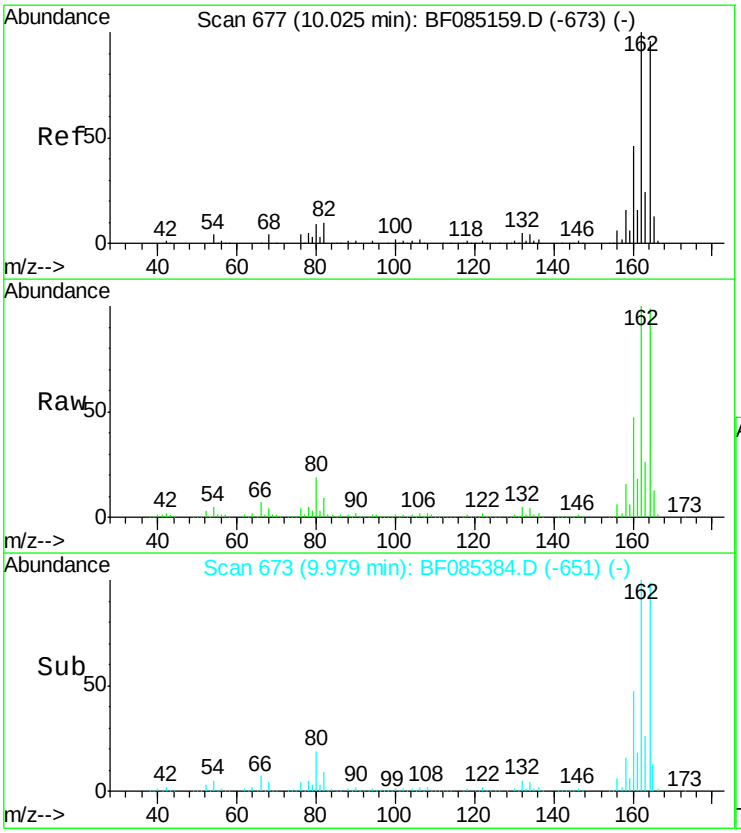

#25
Isophorone
Concen: 30.57 ng
RT: 7.50 min Scan# 456
Delta R.T. -0.31 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion: 82 Resp: 625365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 13.3 | 19.9# |

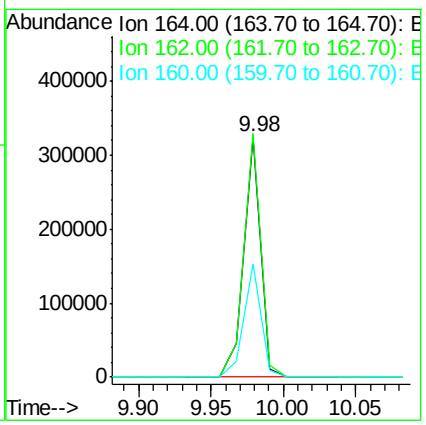


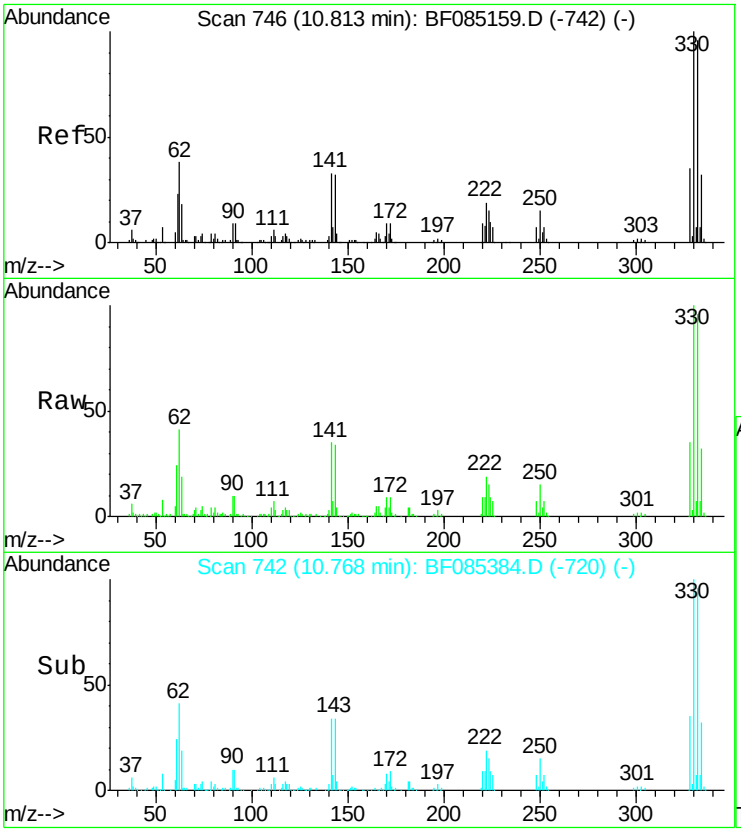




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:164 Resp: 262111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 83.3 | 124.9 |
| 160 | 47.1 | 37.9 | 56.9 |



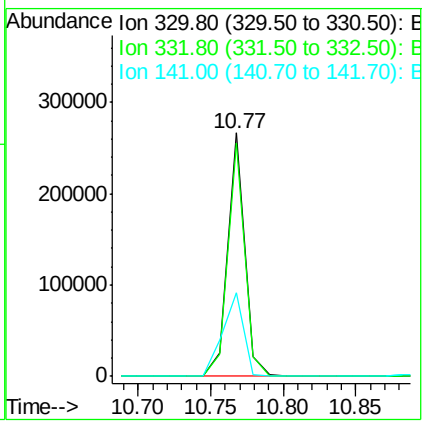


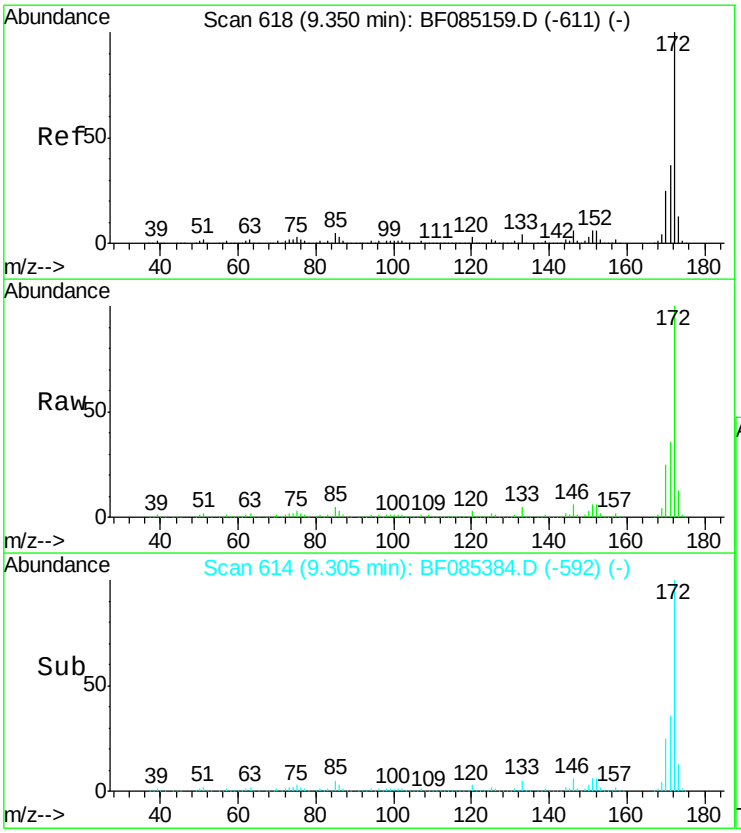

#41
2,4,6-Tribromophenol
Concen: 96.59 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:330 Resp: 216637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.1 | 115.7 |
| 141 | 42.2 | 35.0 | 52.6 |

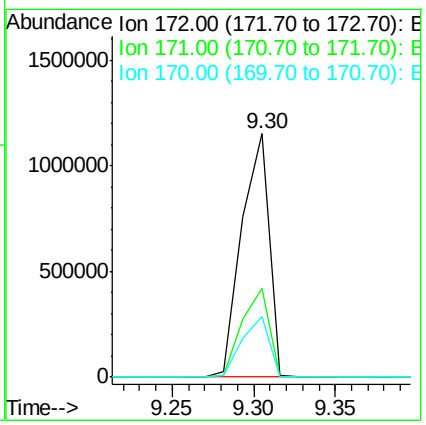


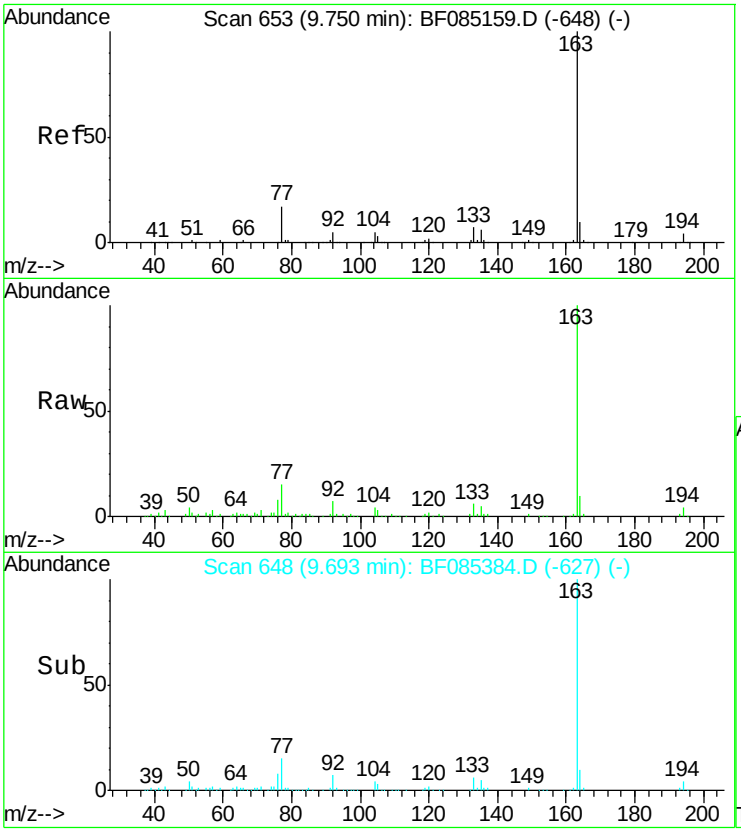




#44
2-Fluorobiphenyl
Concen: 77.54 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:172 Resp: 1336415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.3 | 43.9 |
| 170 | 24.8 | 20.0 | 30.0 |



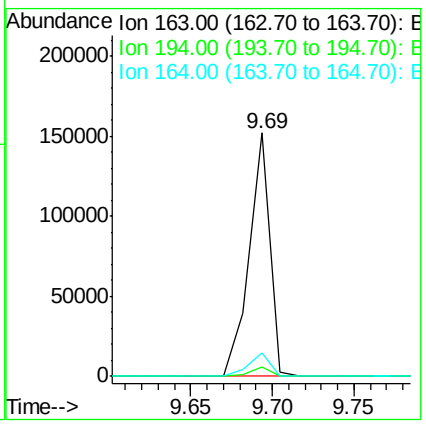


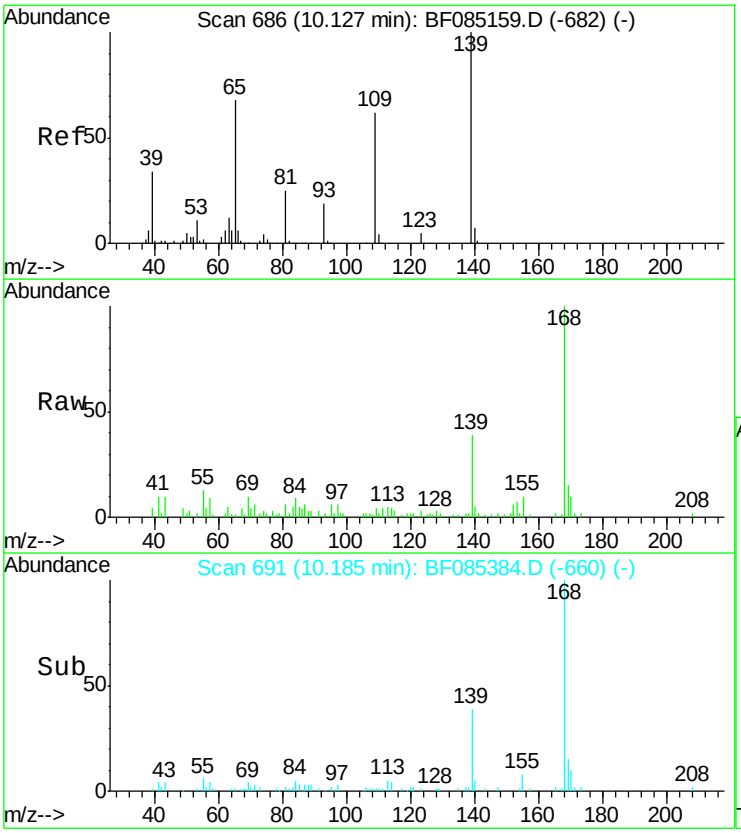

#49
Dimethylphthalate
Concen: 6.67 ng
RT: 9.69 min Scan# 648
Delta R.T. -0.06 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:163 Resp: 134169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.1 | 4.7 |
| 164 | 9.5 | 8.2 | 12.4 |

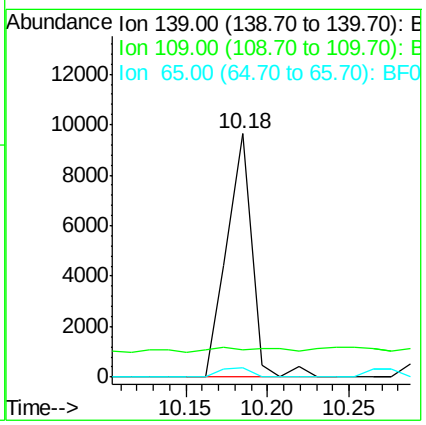


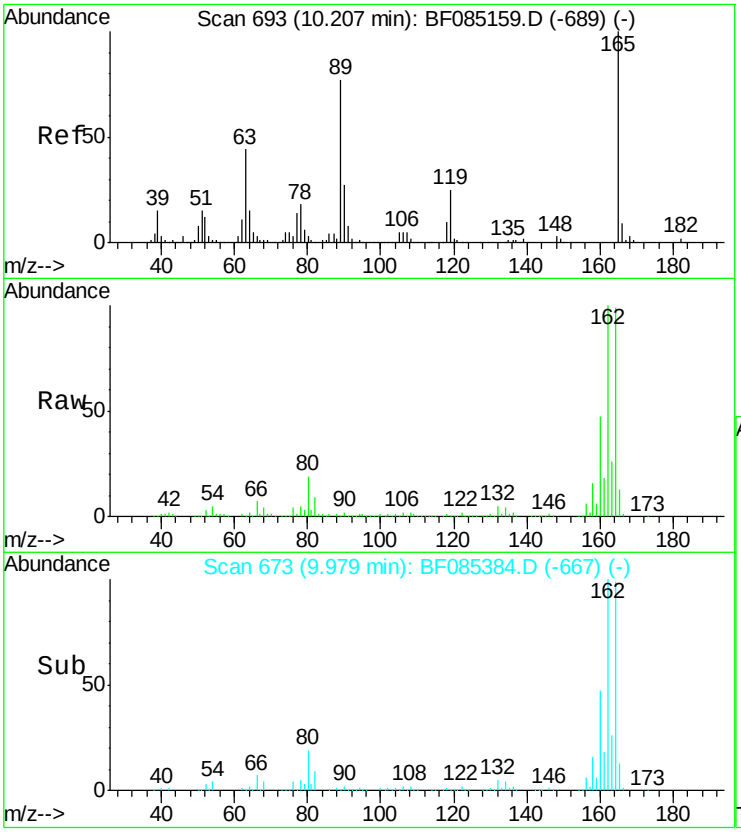




#55
4-Nitrophenol
Concen: 2.54 ng
RT: 10.18 min Scan# 691
Delta R.T. 0.06 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:139 Resp: 10296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 11.0 | 41.9 | 81.9# |
| 65 | 3.6 | 48.3 | 88.3# |



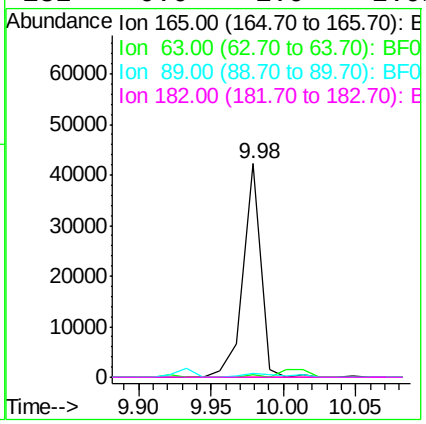


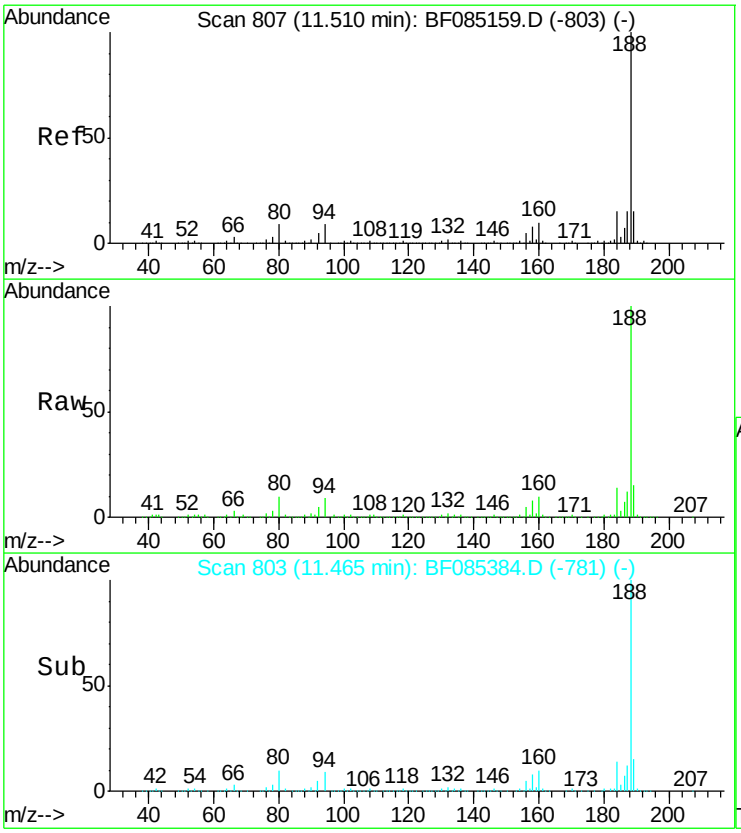

#56
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.23 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:165 Resp: 35783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 35.4 | 53.0# |
| 89 | 1.8 | 61.9 | 92.9# |
| 182 | 0.0 | 1.9 | 2.9# |

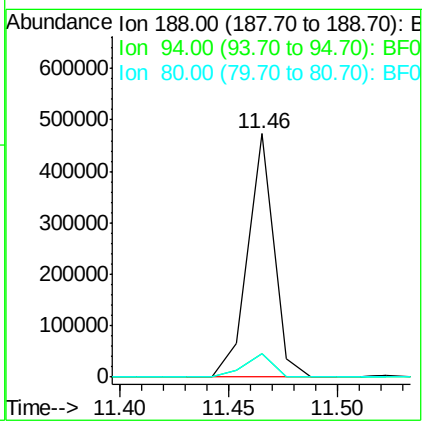


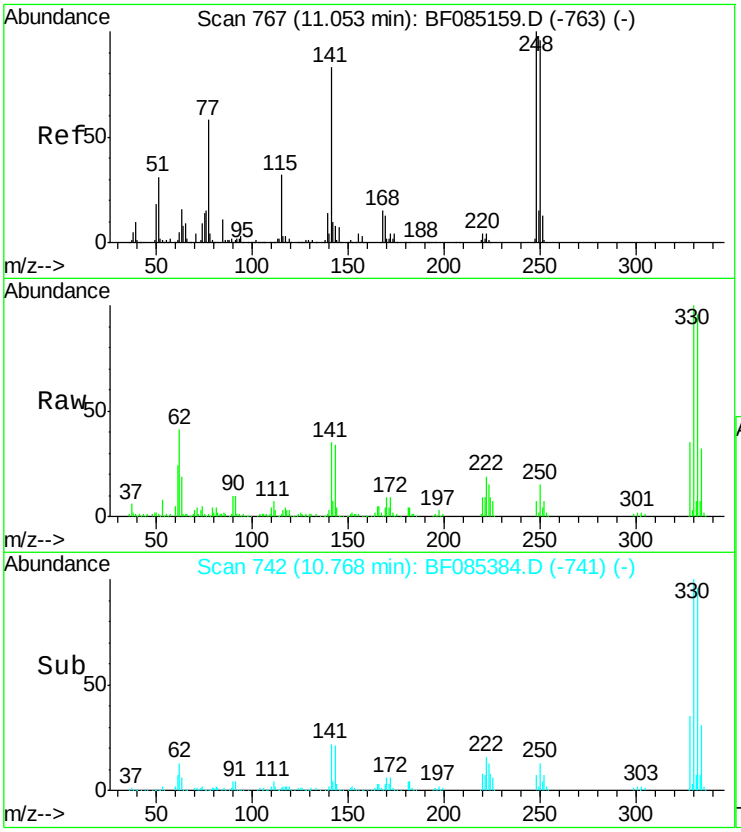




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:188 Resp: 394312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 7.0 | 10.6 |
| 80 | 9.7 | 7.4 | 11.0 |



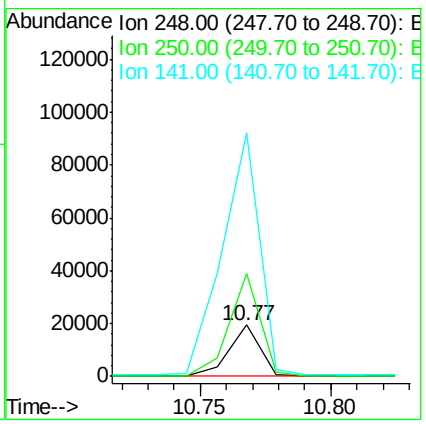


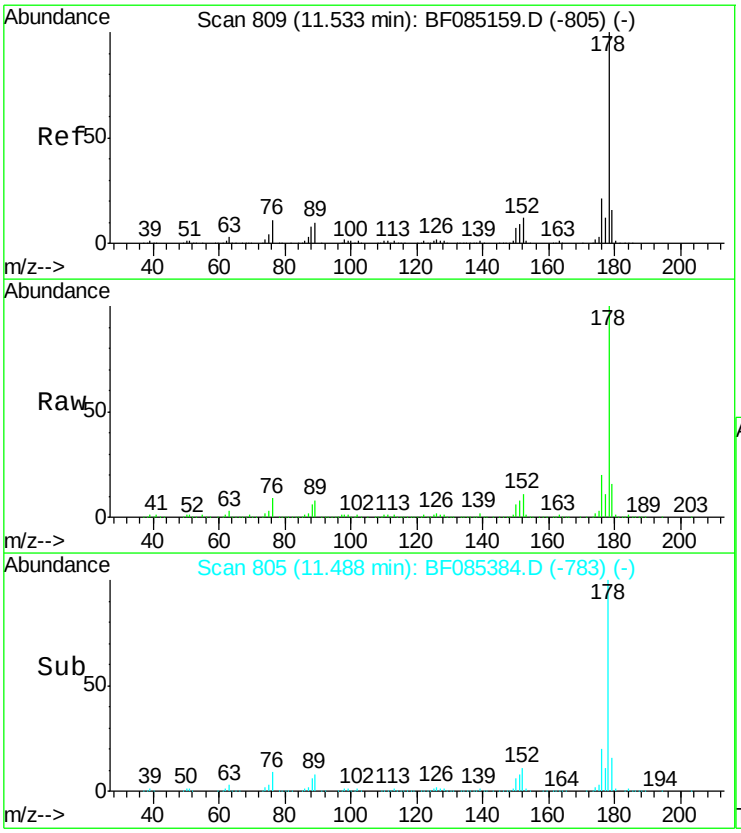

#66
4-Bromophenyl-phenylether
Concen: 4.23 ng
RT: 10.77 min Scan# 742
Delta R.T. -0.29 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:248 Resp: 16190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 200.0 | 77.1 | 115.7# |
| 141 | 474.7 | 66.2 | 99.2# |

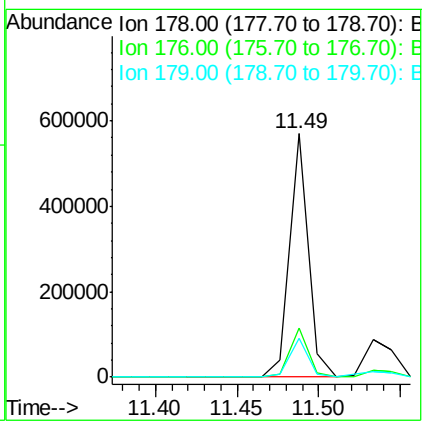


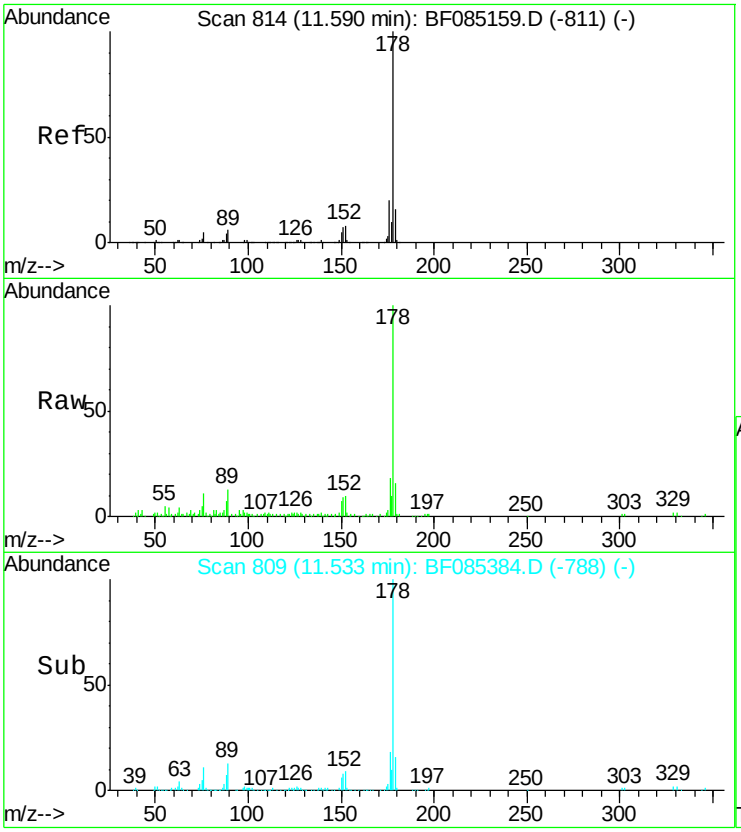




#70
Phenanthrene
Concen: 22.13 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:178 Resp: 457226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 16.8 | 25.2 |
| 179 | 15.7 | 13.1 | 19.7 |



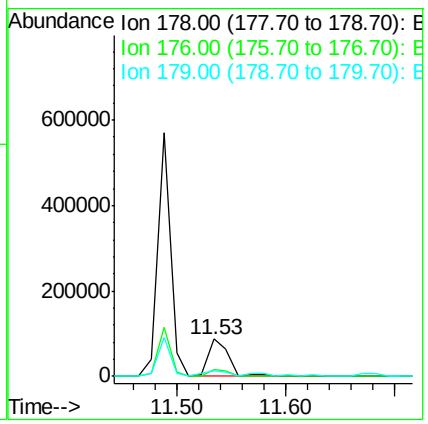


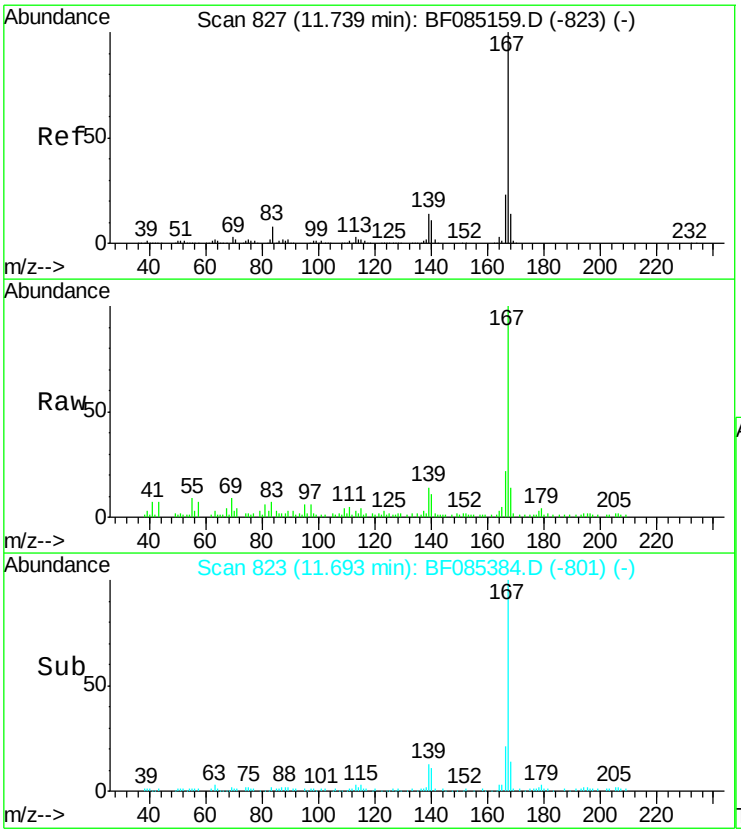

#71
Anthracene
Concen: 5.09 ng
RT: 11.53 min Scan# 809
Delta R.T. -0.06 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:178 Resp: 111636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.9 | 23.9 |
| 179 | 16.2 | 12.5 | 18.7 |

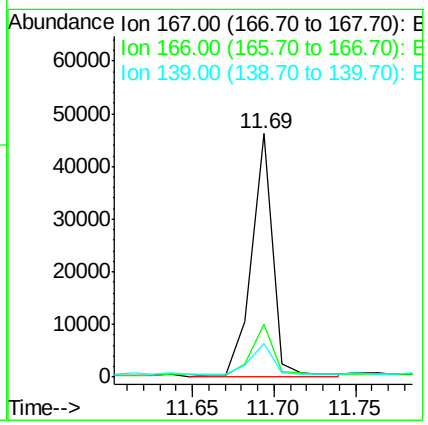


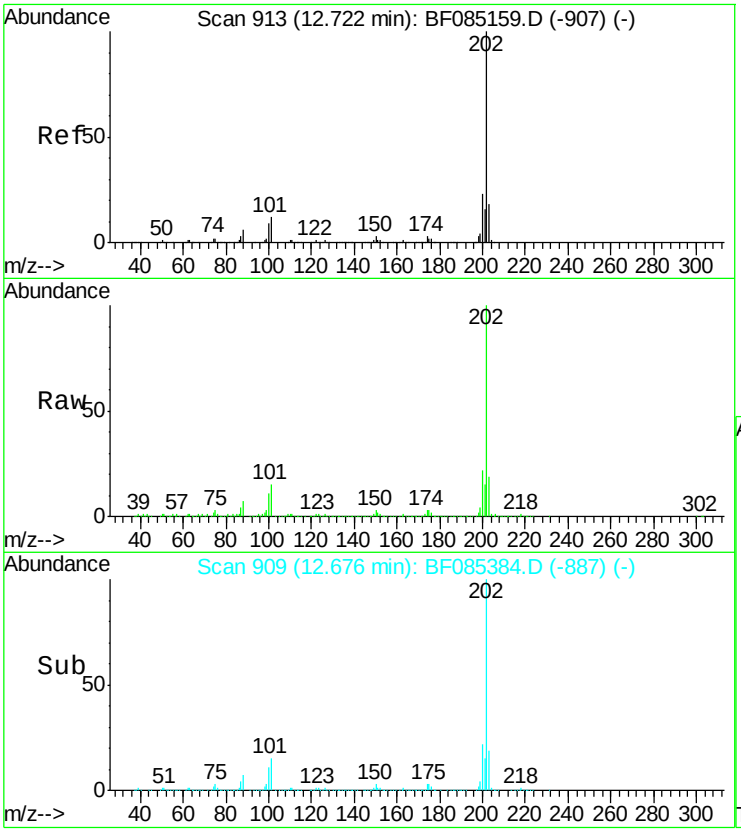




#72
Carbazole
Concen: 2.20 ng
RT: 11.69 min Scan# 823
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:167 Resp: 42300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.6 | 18.2 | 27.2 |
| 139 | 13.7 | 11.4 | 17.0 |



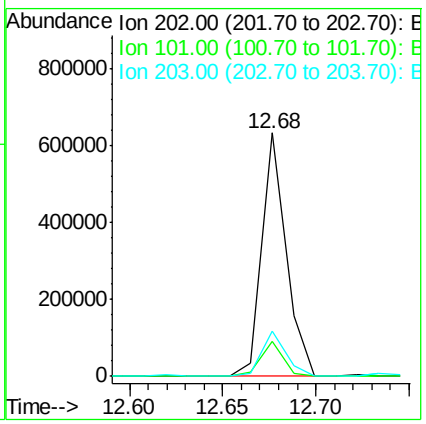


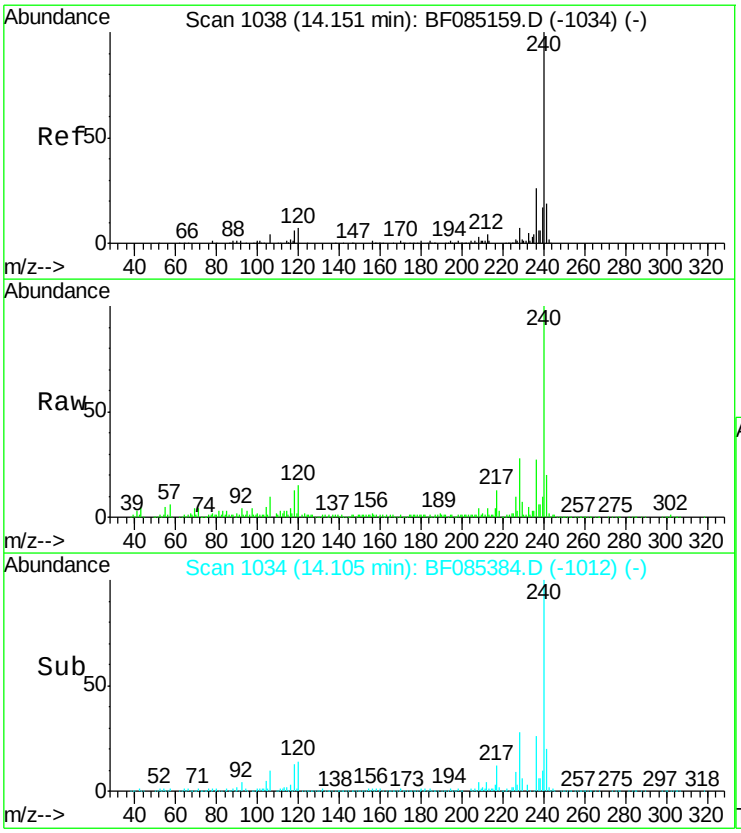

#74
Fluoranthene
Concen: 27.27 ng
RT: 12.68 min Scan# 909
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:202 Resp: 565482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.6 | 0.0 | 31.8 |
| 203 | 18.6 | 0.0 | 38.4 |

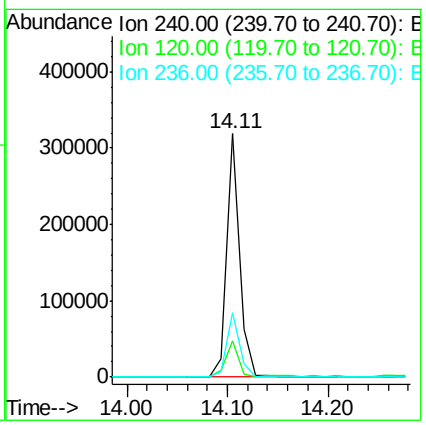


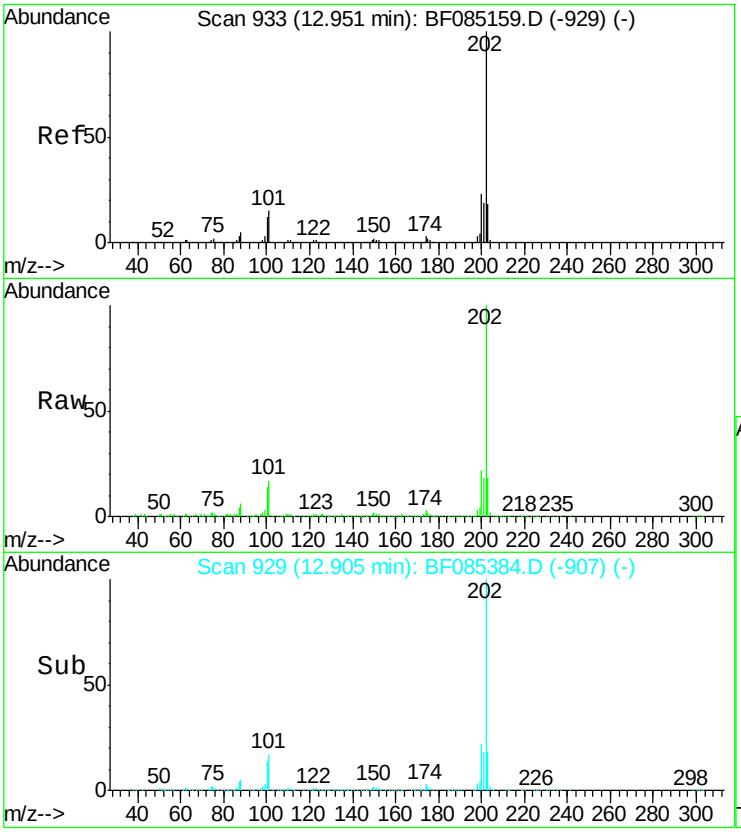




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.11 min Scan# 1034
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:240 Resp: 282533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.7 | 5.3 | 7.9# |
| 236 | 26.7 | 20.7 | 31.1 |



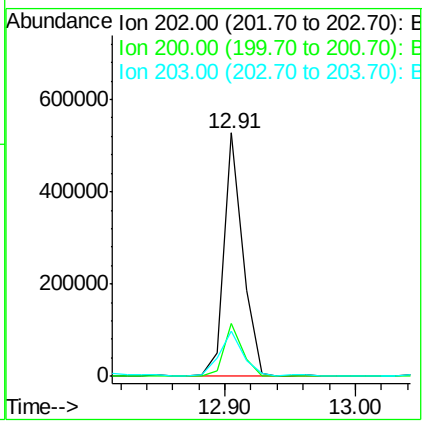


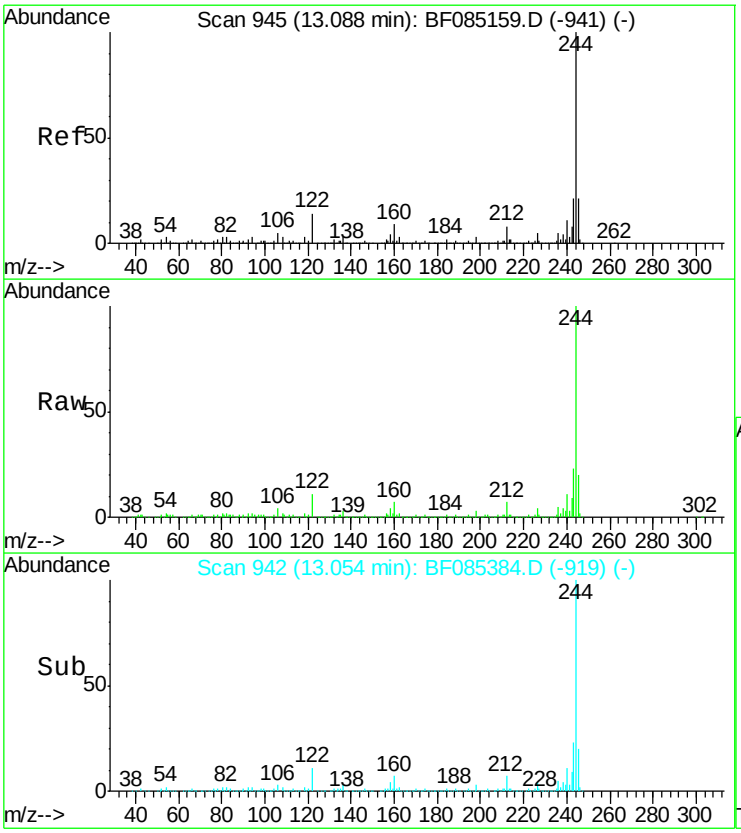

#77
Pyrene
Concen: 24.97 ng
RT: 12.91 min Scan# 929
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:202 Resp: 530898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 18.2 | 27.4 |
| 203 | 18.4 | 14.7 | 22.1 |

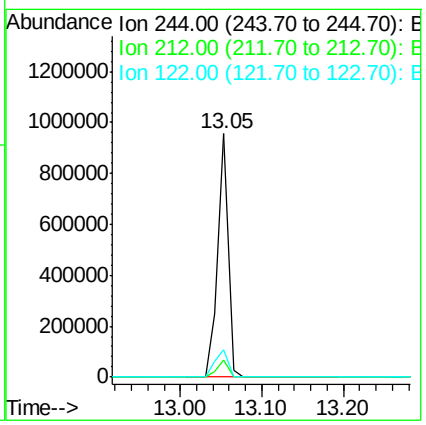


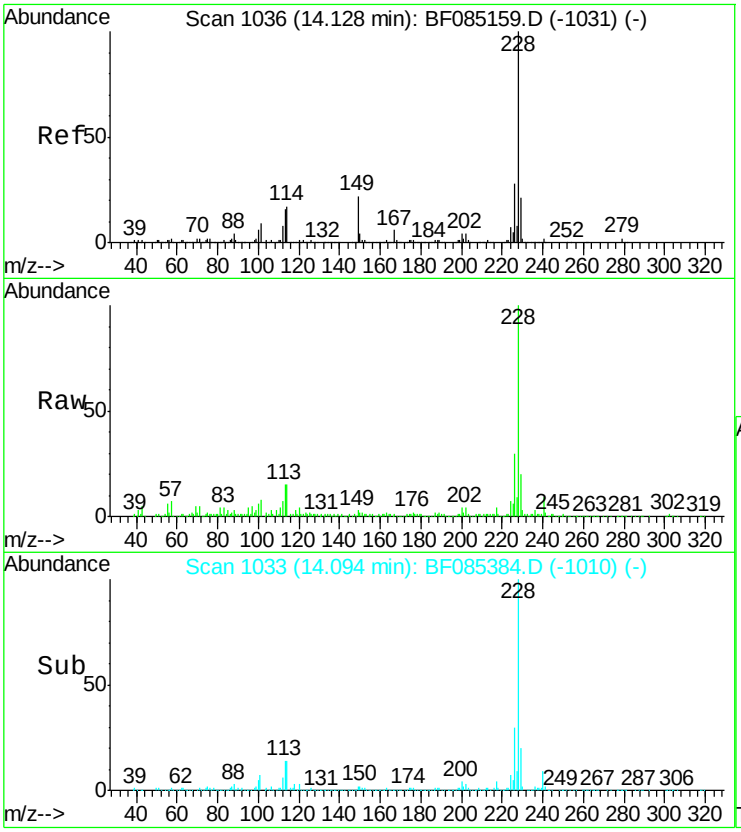




#78
Terphenyl-d14
Concen: 69.65 ng
RT: 13.05 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:244 Resp: 847694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.4 | 9.6 |
| 122 | 11.0 | 11.4 | 17.2# |



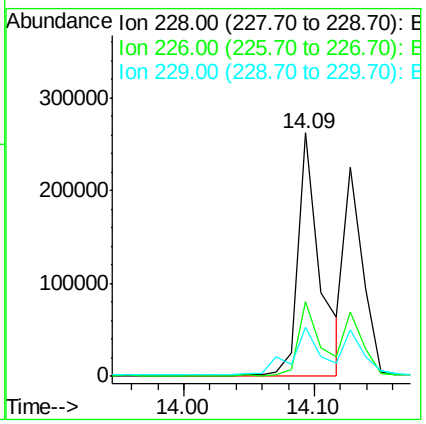


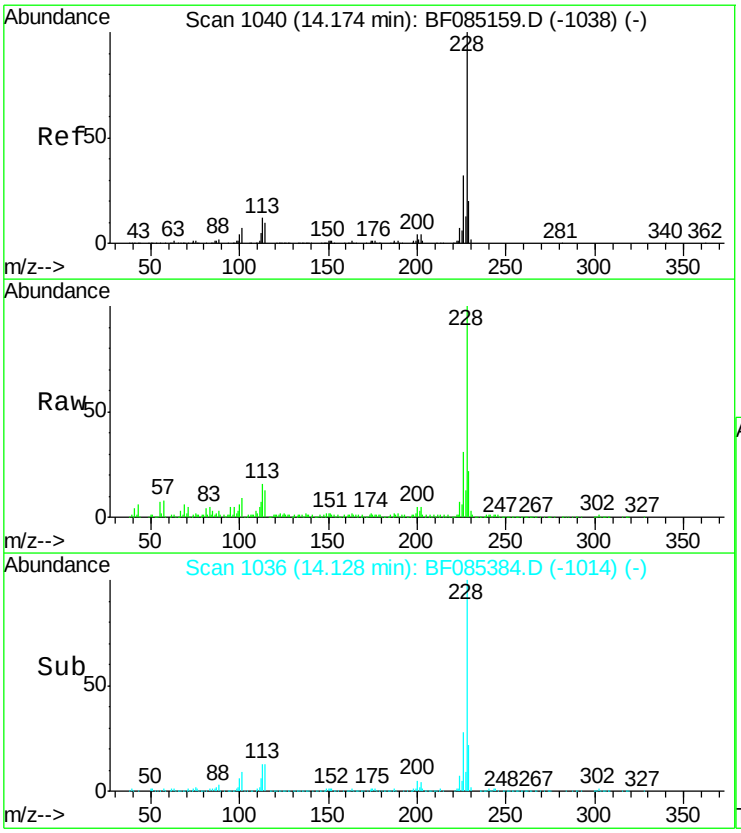

#80
Benzo(a)anthracene
Concen: 18.13 ng
RT: 14.09 min Scan# 1033
Delta R.T. -0.03 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:228 Resp: 306653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 22.8 | 34.2 |
| 229 | 20.3 | 16.6 | 24.8 |

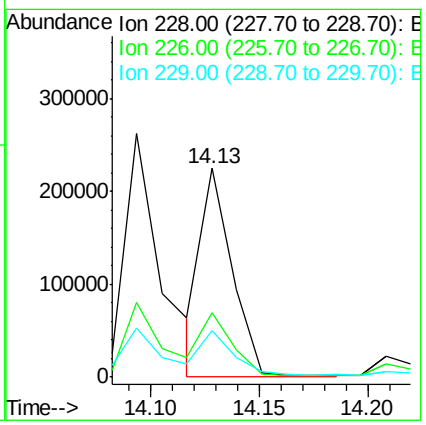


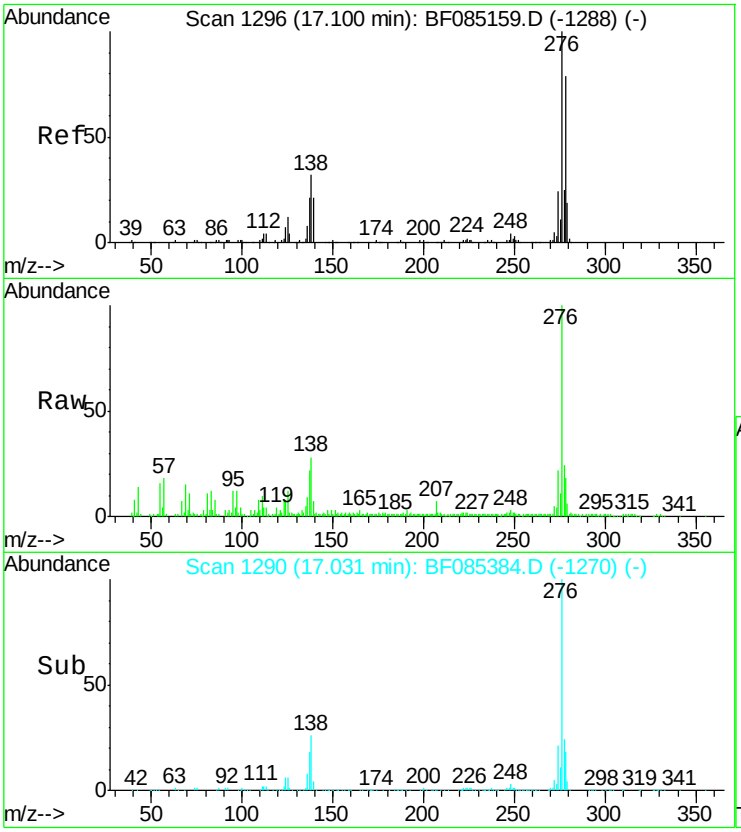




#82
Chrysene
Concen: 14.24 ng
RT: 14.13 min Scan# 1036
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:228 Resp: 222547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 25.2 | 37.8 |
| 229 | 22.2 | 16.0 | 24.0 |



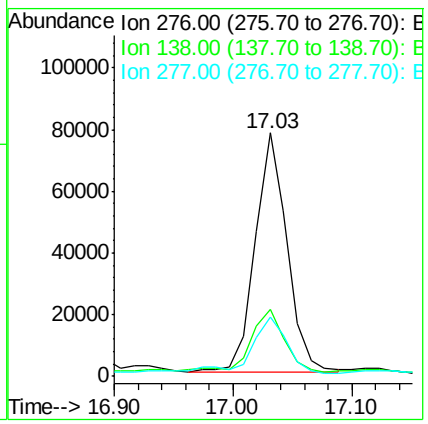


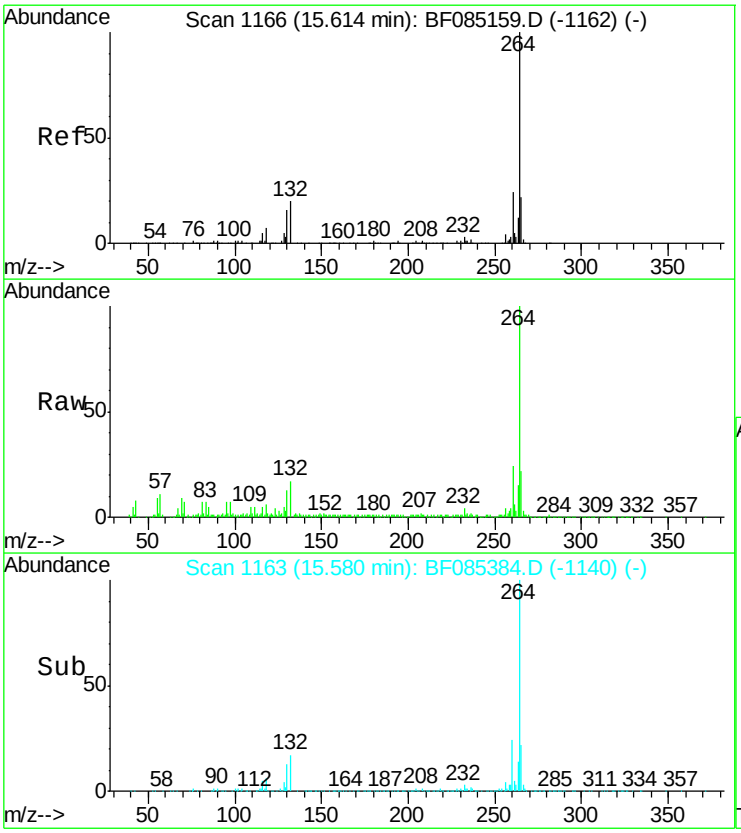

#85
Indeno(1,2,3-cd)pyrene
Concen: 11.86 ng
RT: 17.03 min Scan# 1290
Delta R.T. -0.07 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:276 Resp: 144601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.5 | 26.4 | 39.6 |
| 277 | 27.9 | 20.2 | 30.2 |

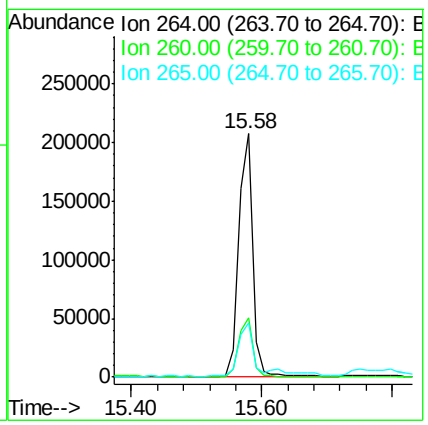


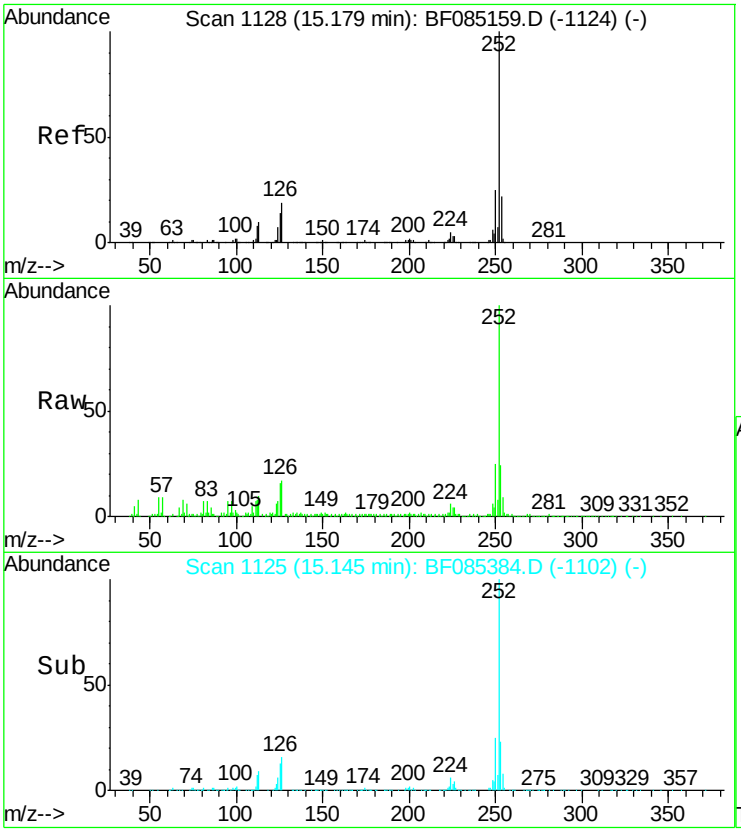




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:264 Resp: 299751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.2 | 28.8 |
| 265 | 22.4 | 17.3 | 25.9 |



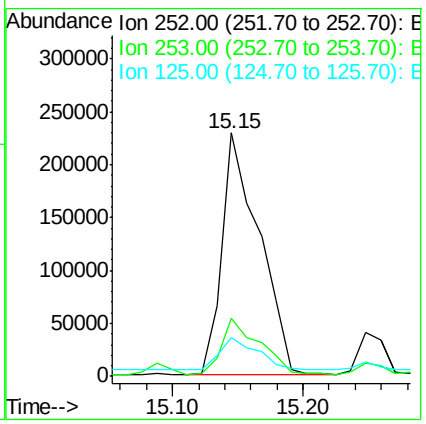


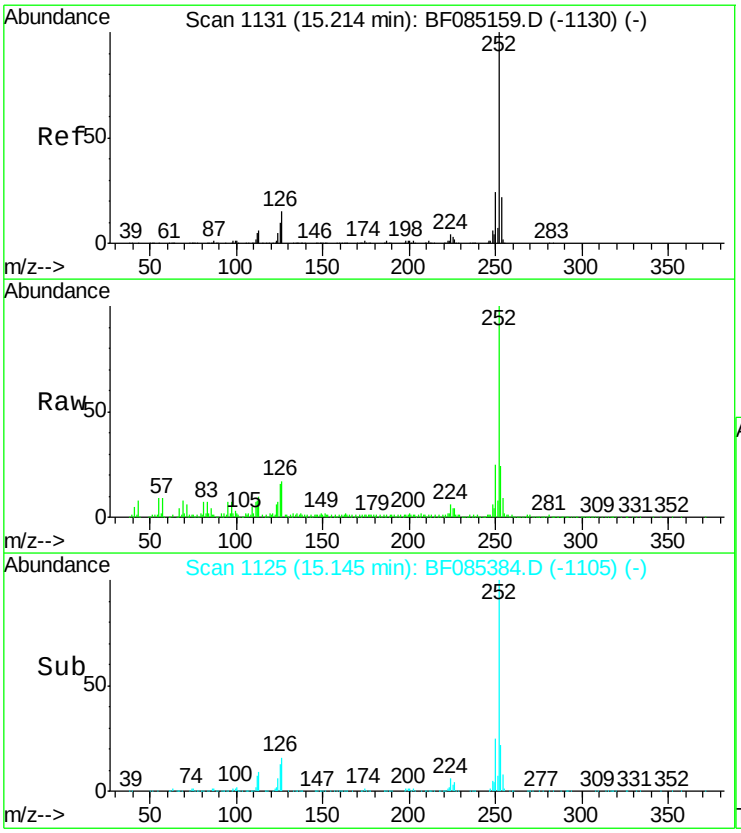

#87
Benzo(b)fluoranthene
Concen: 23.11 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:252 Resp: 461731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.8 | 26.6 |
| 125 | 16.2 | 11.3 | 16.9 |

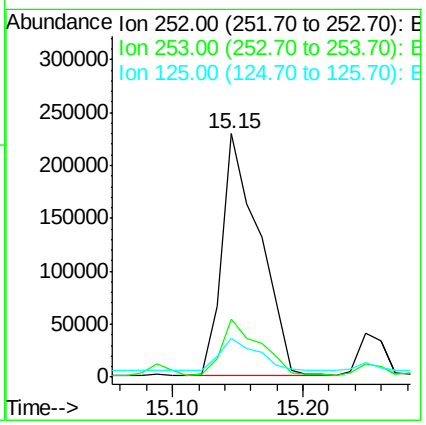


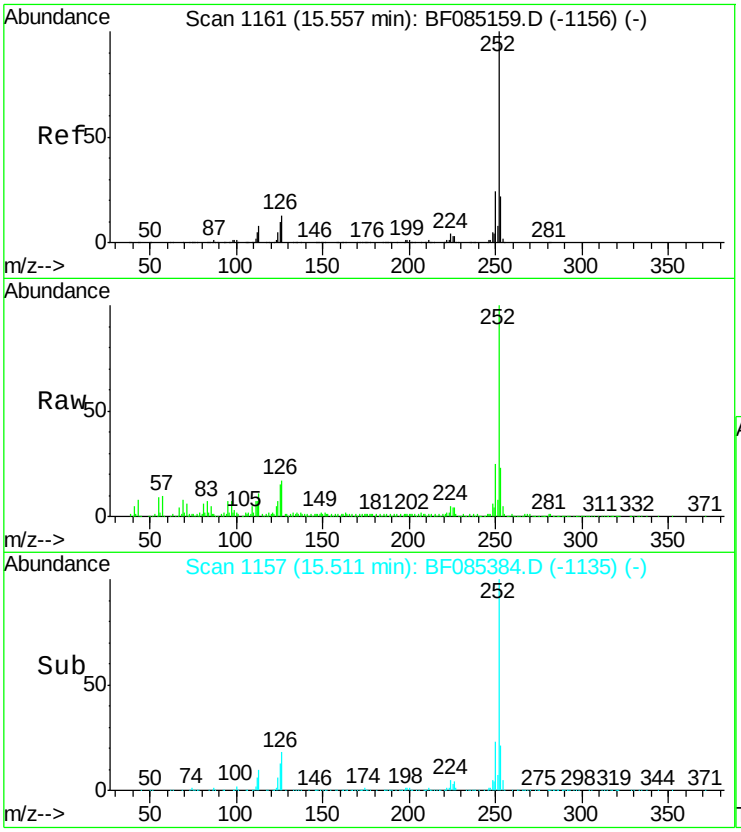




#88
Benzo(k)fluoranthene
Concen: 28.65 ng
RT: 15.15 min Scan# 1125
Delta R.T. -0.07 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:252 Resp: 461731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 17.8 | 26.6 |
| 125 | 16.2 | 10.4 | 15.6# |



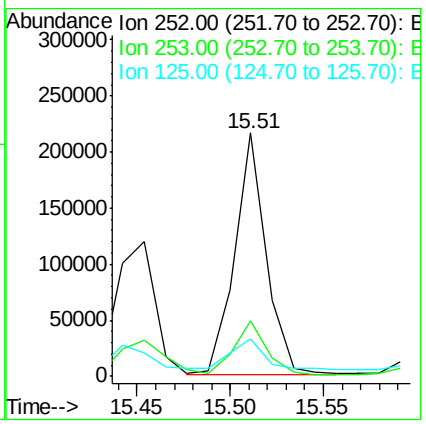


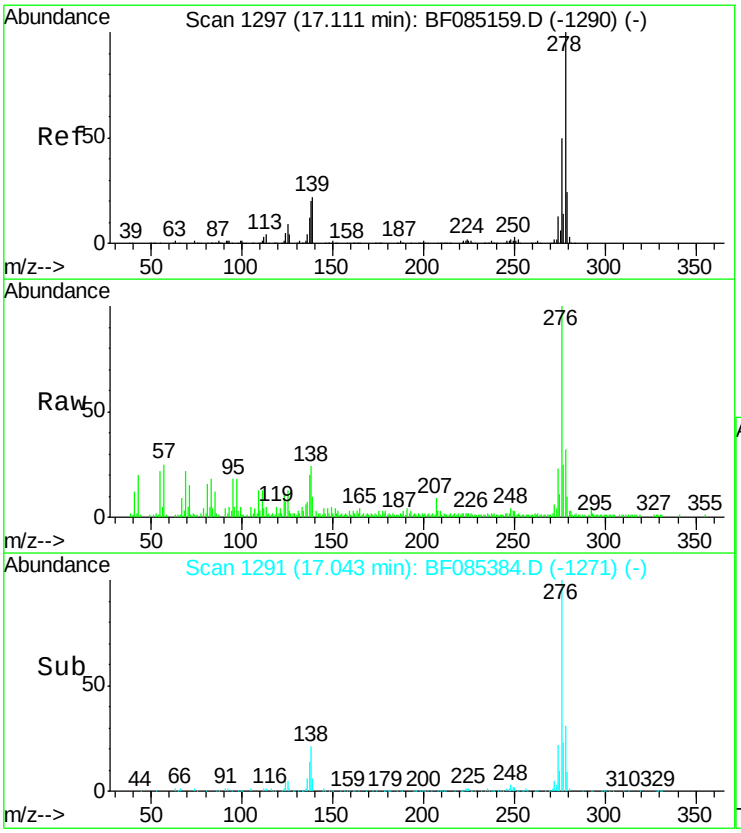

#89
Benzo(a)pyrene
Concen: 15.37 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:252 Resp: 254401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.4 | 26.0 |
| 125 | 15.2 | 8.2 | 12.4# |

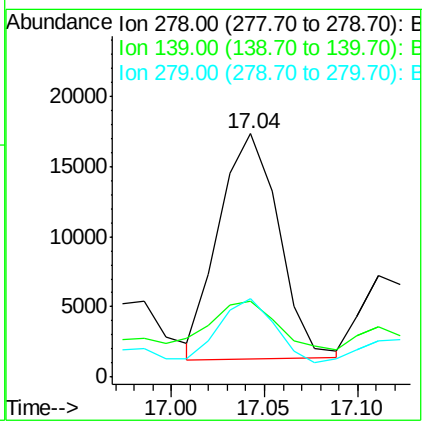


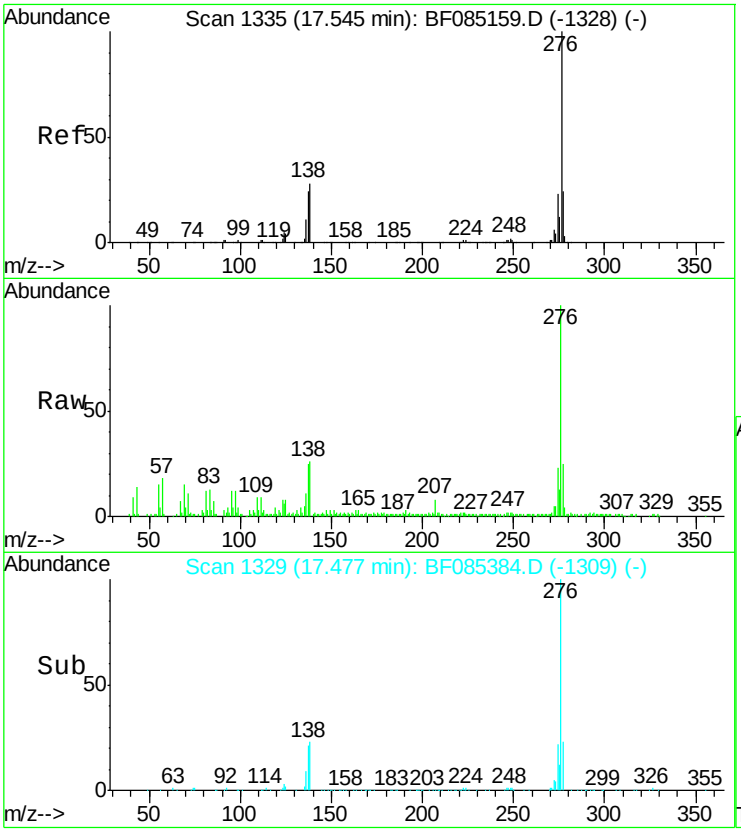




#90
Dibenzo(a,h)anthracene
Concen: 2.53 ng
RT: 17.04 min Scan# 1291
Delta R.T. -0.07 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

Tgt Ion:278 Resp: 35746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 31.0 | 17.3 | 25.9# |
| 279 | 32.1 | 19.2 | 28.8# |






#91
Benzo(g,h,i)perylene
Concen: 9.66 ng
RT: 17.48 min Scan# 1329
Delta R.T. -0.07 min
Lab File: BF085384.D
Acq: 11 Mar 2016 20:58

**Instrument :**
BNA_F
**ClientSampleId :**
POST-EX-16-20160309

Tgt Ion:276 Resp: 137342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.7 | 19.0 | 28.4 |
| 138 | 26.1 | 22.5 | 33.7 |