Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
Data File : BF083533.D
Acq On : 6 Dec 2015 20:54
Operator : UM/IZ
Sample : G4614-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S28-15

Quant Time: Dec 07 05:04:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.73 | 152 | 192466 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 7.63 | 136 | 761409 | 20.00 | ng | | -0.05 |
| 38) Acenaphthene-d10 | 10.42 | 164 | 384177 | 20.00 | ng | | -0.05 |
| 63) Phenanthrene-d10 | 12.82 | 188 | 702594 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 17.01 | 240 | 586349 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 18.65 | 264 | 422514 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.02 | 112 | 1637750 | 129.10 | ng | | -0.01 |
| 7) Phenol-d6 | 5.30 | 99 | 2215934 | 126.78 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 6.57 | 82 | 1477825 | 90.73 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 11.71 | 330 | 448491 | 126.55 | ng | | -0.05 |
| 44) 2-Fluorobiphenyl | 9.38 | 172 | 2043364 | 72.14 | ng | | -0.05 |
| 78) Terphenyl-d14 | 15.46 | 244 | 1793370 | 68.06 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 6.57 | 70 | 192628 | 16.52 | ng | # | 77 |
| 49) Dimethylphthalate | 10.06 | 163 | 923276 | 30.53 | ng | | 99 |
| 55) 4-Nitrophenol | 10.77 | 139 | 14252 | 3.69 | ng | # | 5 |
| 64) 4,6-Dinitro-2-methylphenol | 11.71 | 198 | 1070 | 3.69 | ng | # | 1 |
| 70) Phenanthrene | 12.85 | 178 | 607486 | 14.85 | ng | | 99 |
| 71) Anthracene | 12.85 | 178 | 607486 | 14.57 | ng | | 100 |
| 74) Fluoranthene | 14.79 | 202 | 633064 | 15.62 | ng | | 97 |
| 77) Pyrene | 15.14 | 202 | 553183 | 12.61 | ng | # | 96 |
| 80) Benzo(a)anthracene | 17.00 | 228 | 253496 | 7.39 | ng | | 98 |
| 82) Chrysene | 17.05 | 228 | 225767 | 6.61 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.91 | 276 | 70452 | 2.40 | ng | # | 100 |
| 88) Benzo(k)fluoranthene | 18.27 | 252 | 274271 | 11.28 | ng | | 97 |
| 89) Benzo(a)pyrene | 18.55 | 252 | 88973 | 3.85 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 20.26 | 276 | 65010 | 2.91 | ng | | 96 |

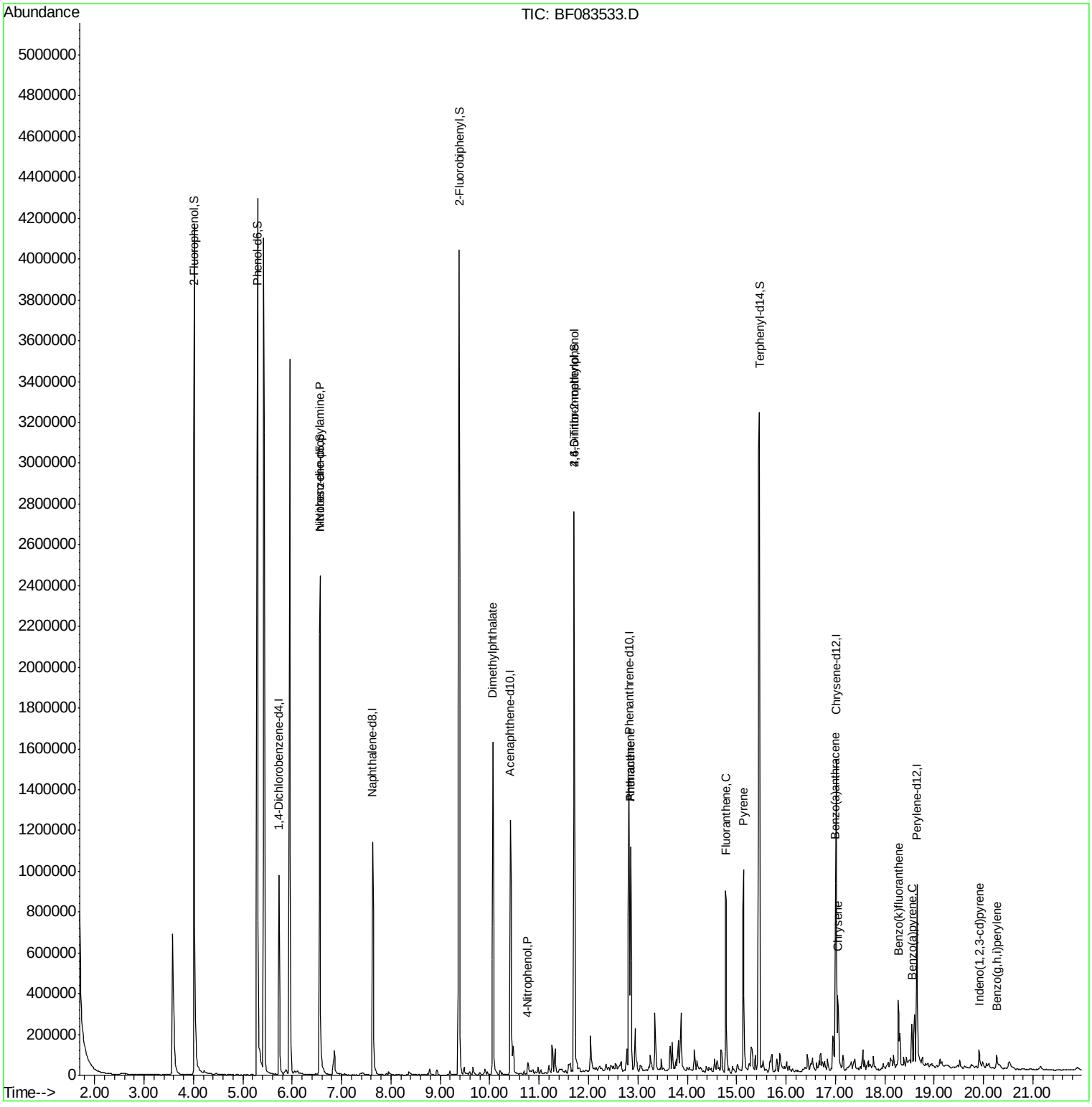
(#) = qualifier out of range (m) = manual integration (+) = signals summed

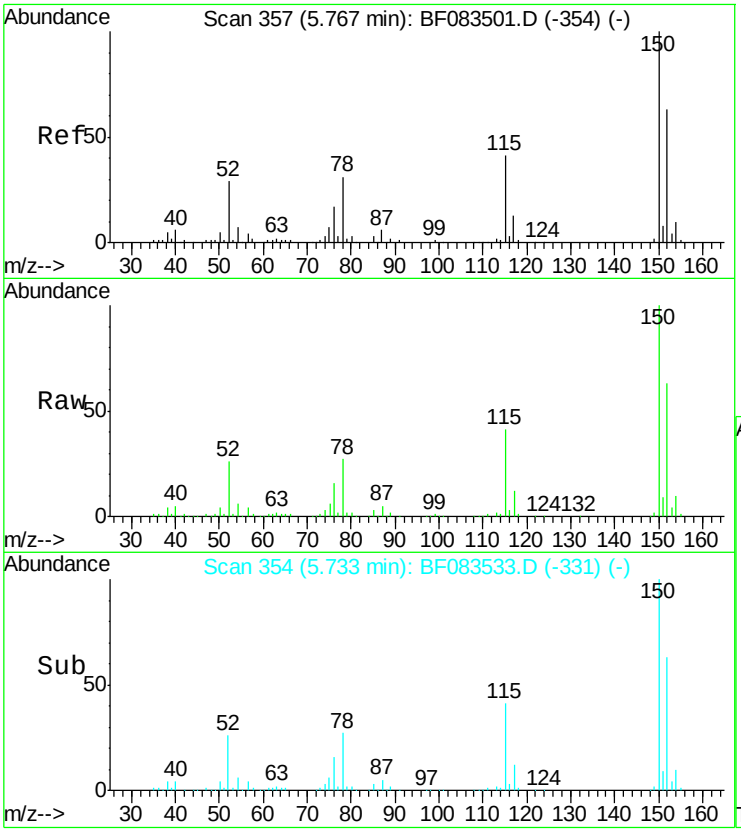
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
Data File : BF083533.D
Acq On : 6 Dec 2015 20:54
Operator : UM/IZ
Sample : G4614-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** S28-15

Quant Time: Dec 07 05:04:49 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration



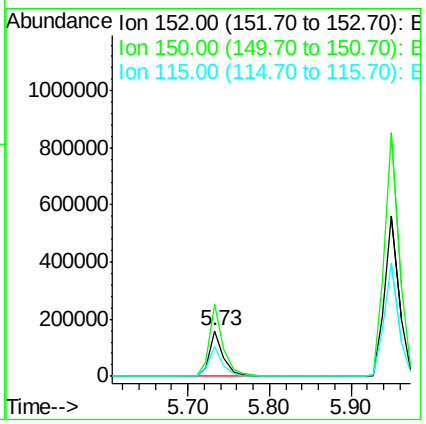


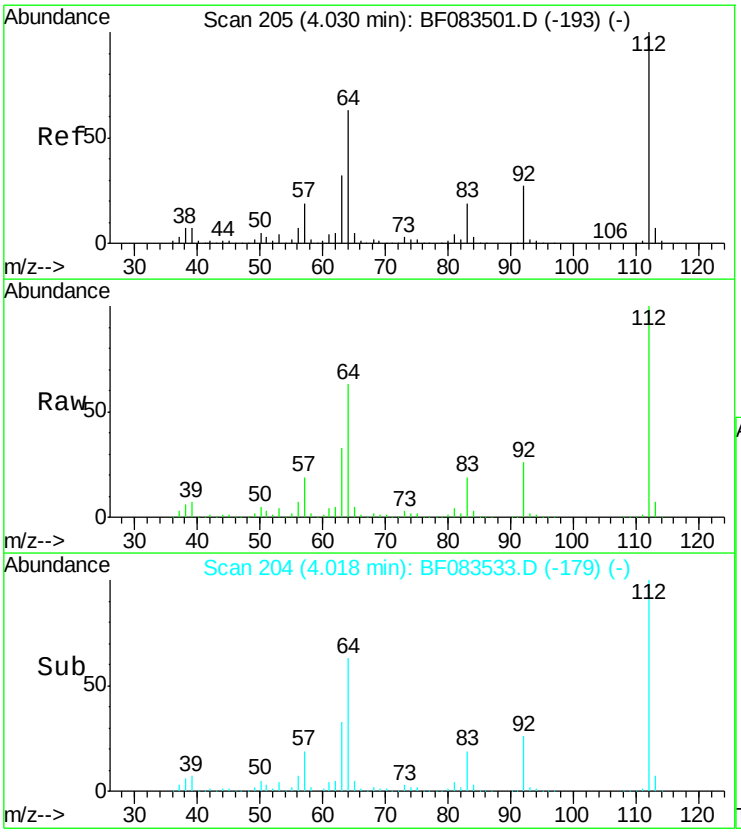

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:152 Resp: 192466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.0 | 126.5 | 189.7 |
| 115 | 64.4 | 52.3 | 78.5 |

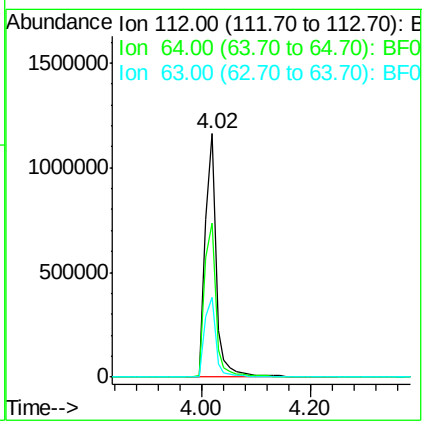


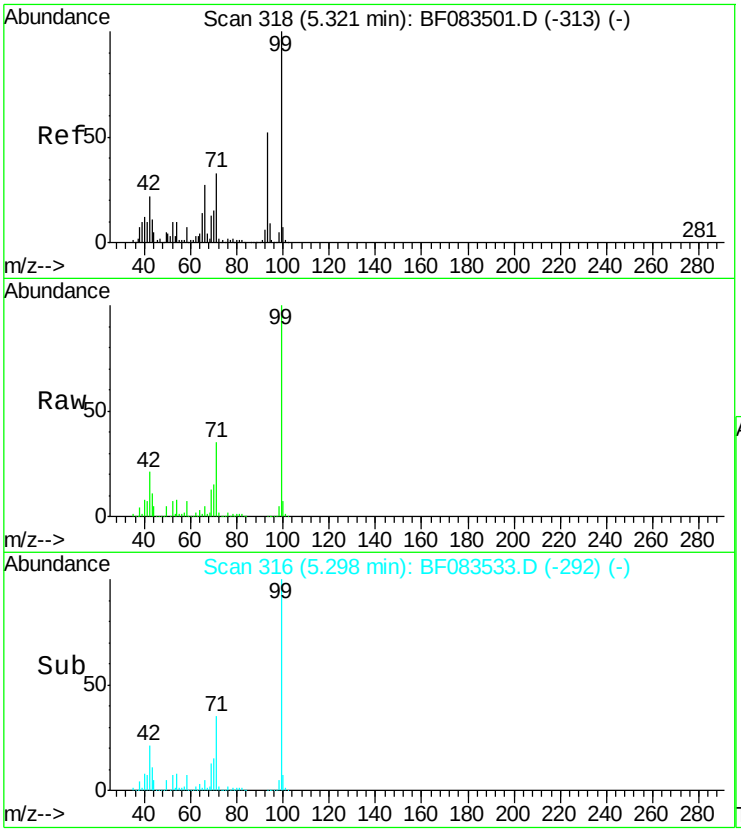




#5
2-Fluorophenol
Concen: 129.10 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:112 Resp: 1637750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.3 | 50.5 | 75.7 |
| 63 | 32.5 | 25.8 | 38.6 |



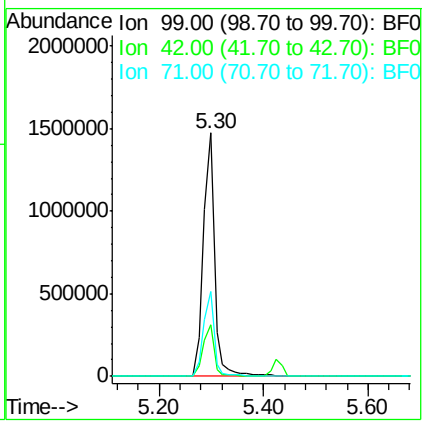


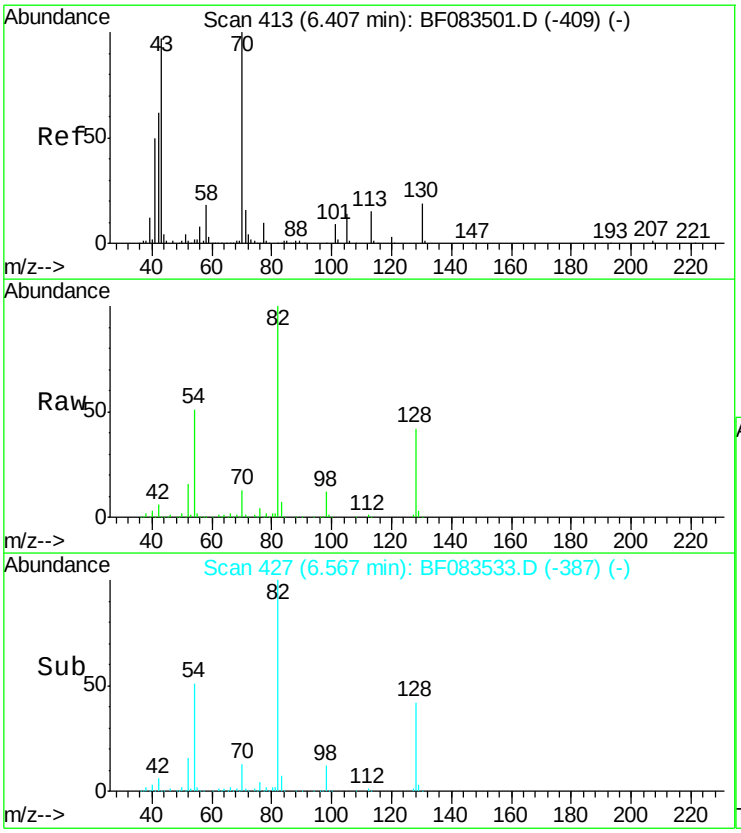

#7
Phenol-d6
Concen: 126.78 ng
RT: 5.30 min Scan# 316
Delta R.T. -0.02 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion: 99 Resp: 2215934

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.0 | 17.3 | 25.9 |
| 71 | 34.8 | 26.6 | 40.0 |

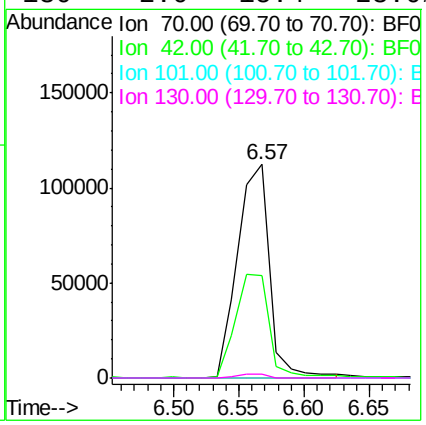


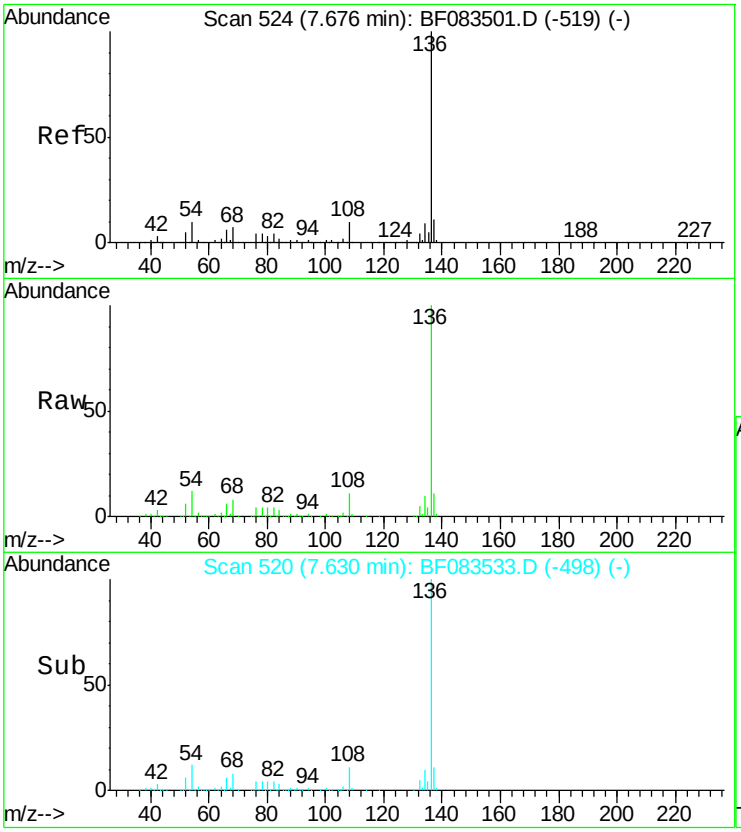




#19
n-Nitroso-di-n-propylamine
Concen: 16.52 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.16 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion: 70 Resp: 192628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.7 | 49.2 | 73.8# |
| 101 | 0.0 | 7.1 | 10.7# |
| 130 | 2.0 | 15.4 | 23.0# |



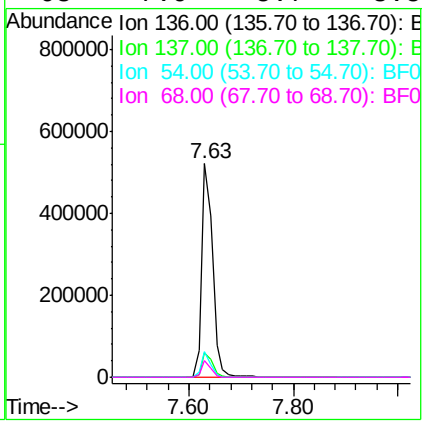


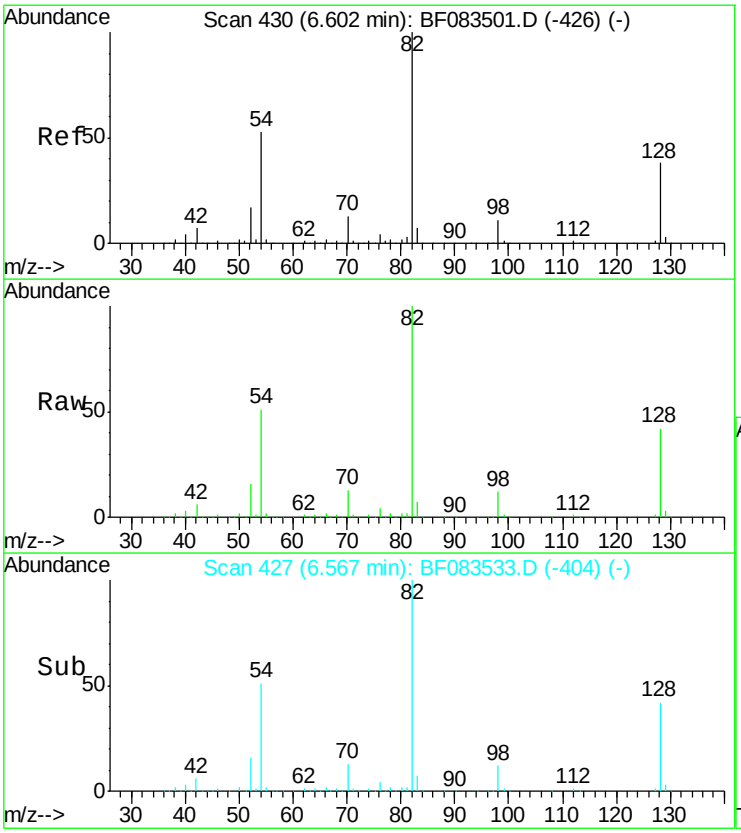

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:136 Resp: 761409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.7 | 13.1 |
| 54 | 11.7 | 7.8 | 11.6# |
| 68 | 7.9 | 5.7 | 8.5 |

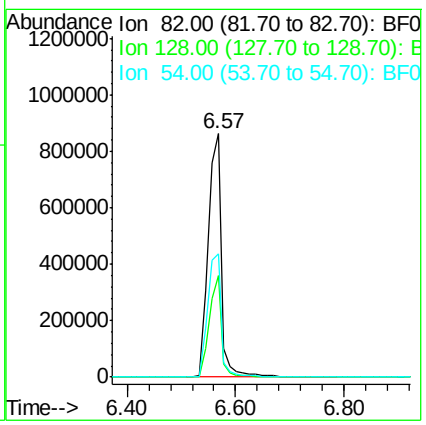


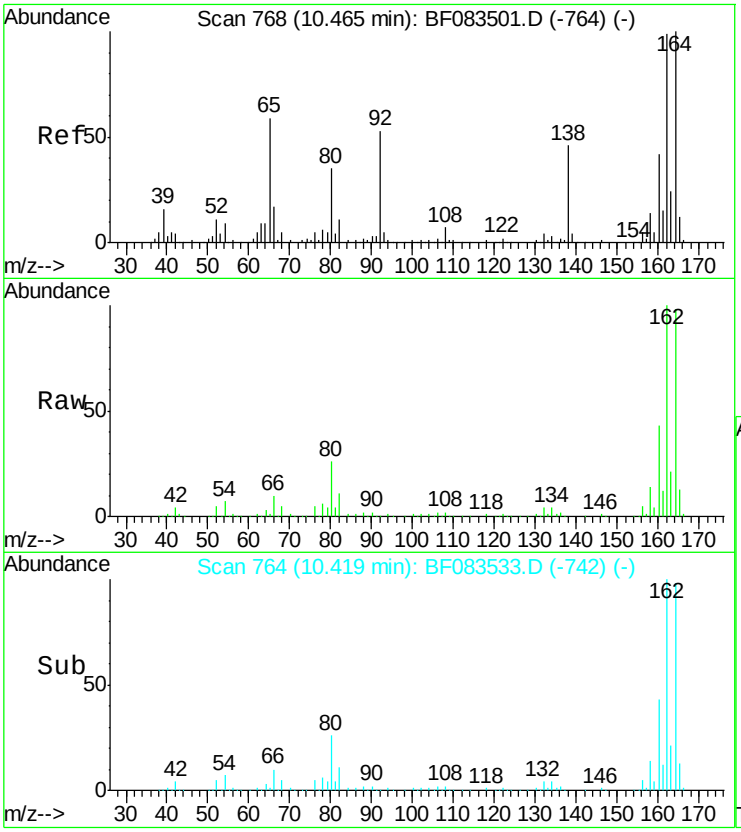




#23
Nitrobenzene-d5
Concen: 90.73 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion: 82 Resp: 1477825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.7 | 30.7 | 46.1 |
| 54 | 50.8 | 42.5 | 63.7 |



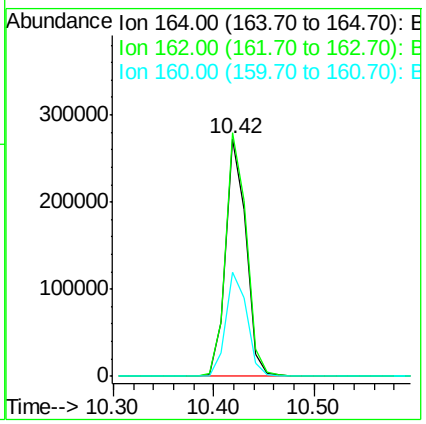


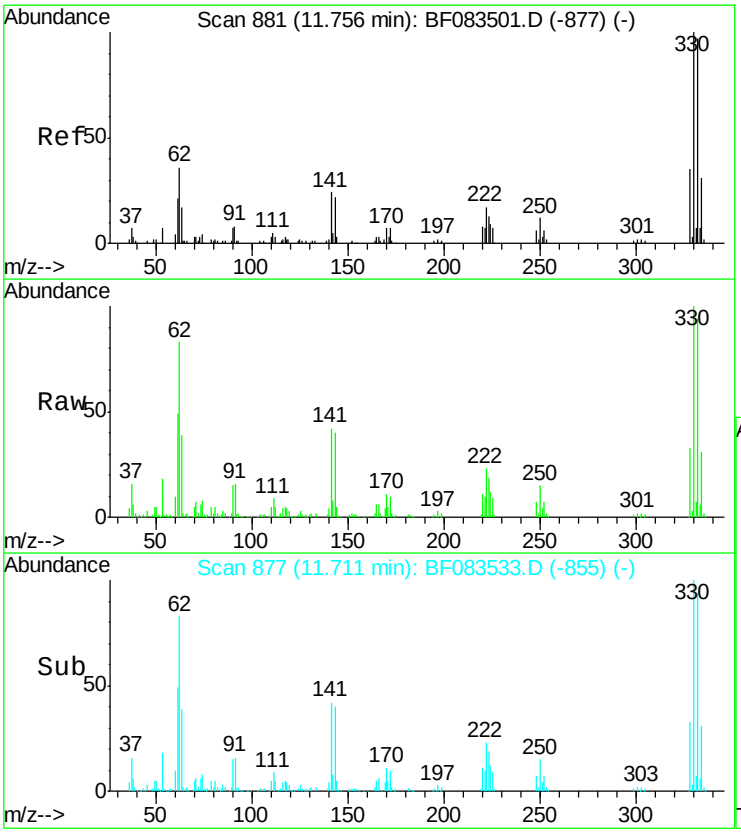

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:164 Resp: 384177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 78.8 | 118.2 |
| 160 | 43.7 | 33.4 | 50.2 |

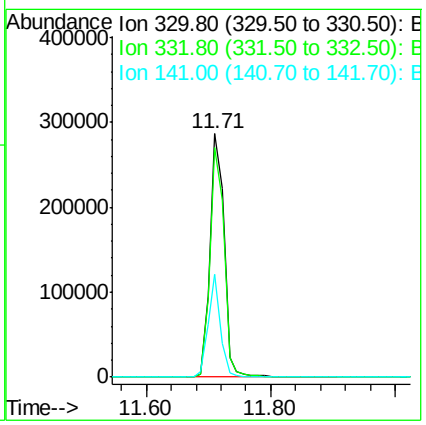


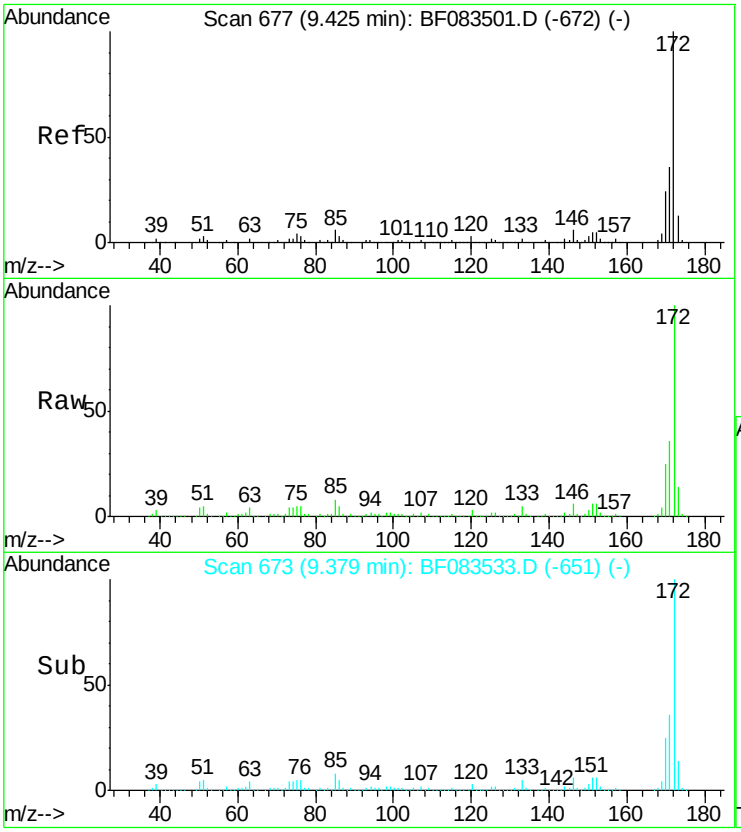




#41
2,4,6-Tribromophenol
Concen: 126.55 ng
RT: 11.71 min Scan# 877
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:330 Resp: 448491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.4 | 0.0 | 0.0# |
| 141 | 37.1 | 0.0 | 0.0# |



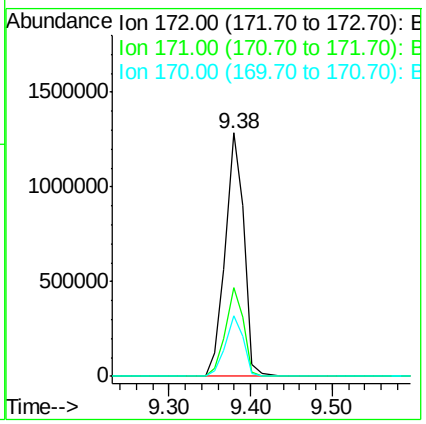


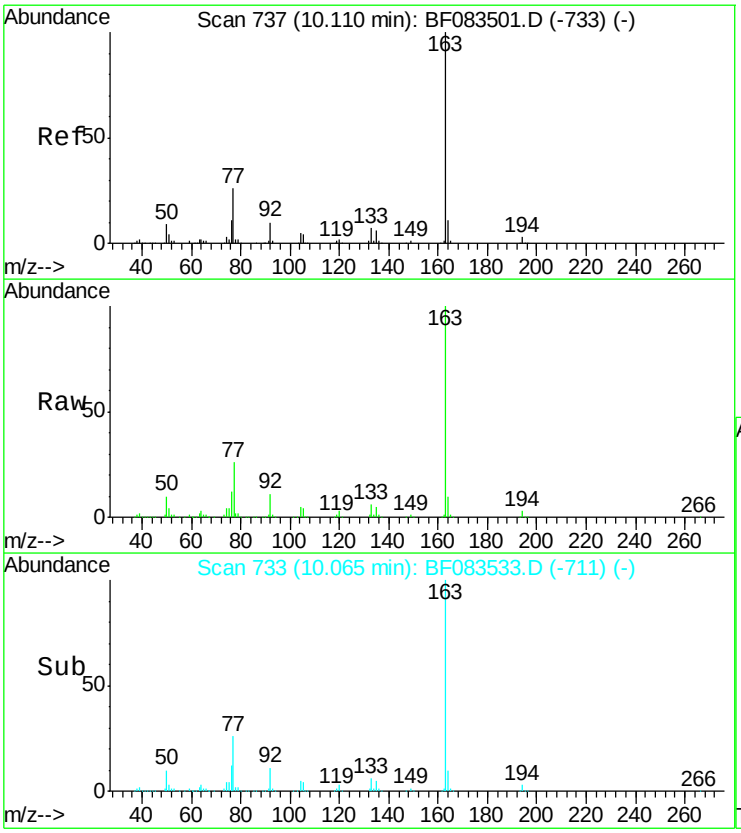

#44
2-Fluorobiphenyl
Concen: 72.14 ng
RT: 9.38 min Scan# 673
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:172 Resp: 2043364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 28.6 | 42.8 |
| 170 | 24.7 | 19.4 | 29.0 |

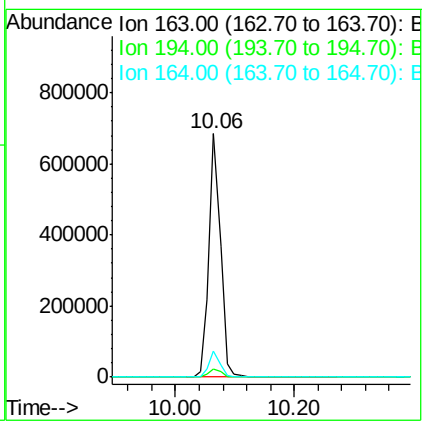


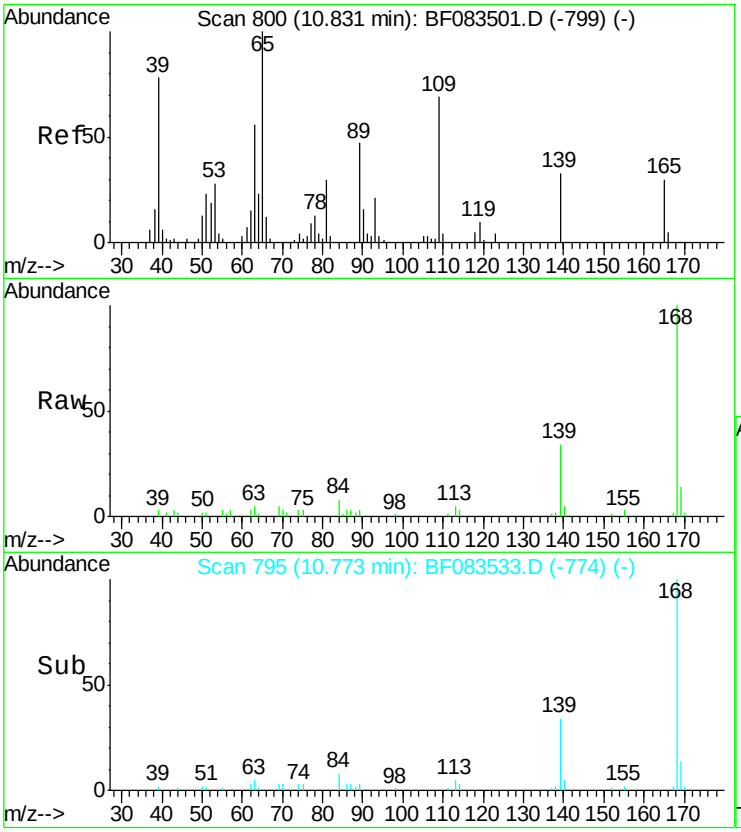




#49
Dimethylphthalate
Concen: 30.53 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:163 Resp: 923276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.8 | 4.2 |
| 164 | 10.5 | 8.6 | 13.0 |



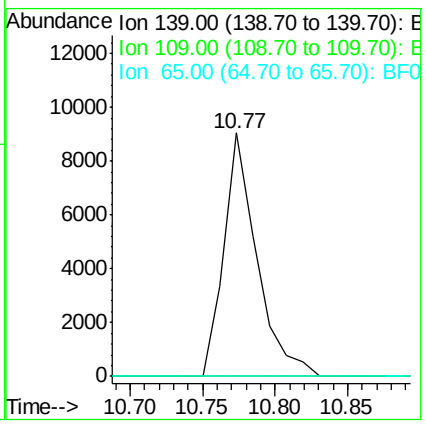


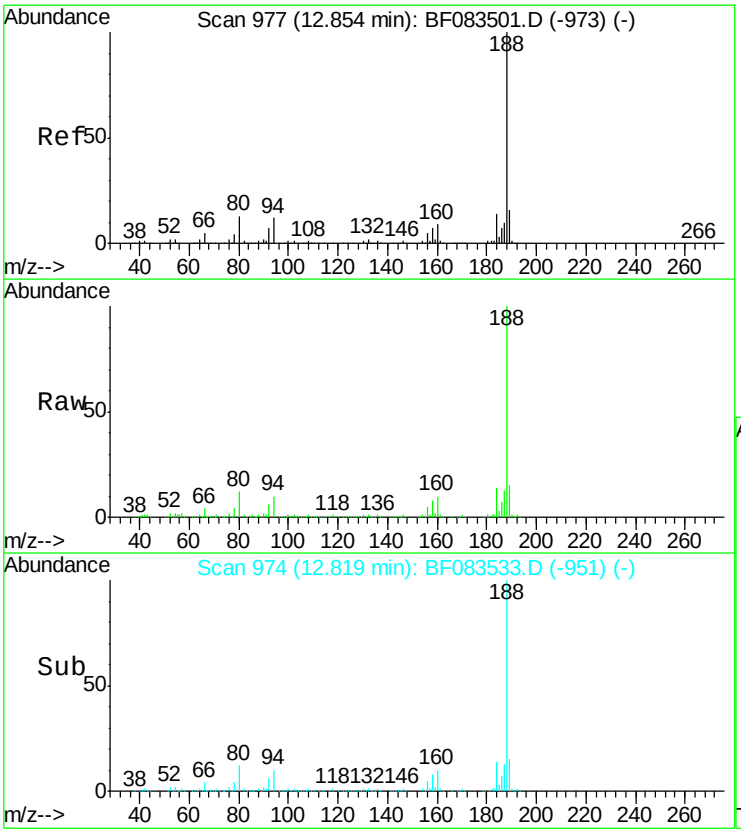

#55
4-Nitrophenol
Concen: 3.69 ng
RT: 10.77 min Scan# 795
Delta R.T. -0.06 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:139 Resp: 14252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 42.0 | 82.0# |
| 65 | 0.0 | 89.2 | 129.2# |

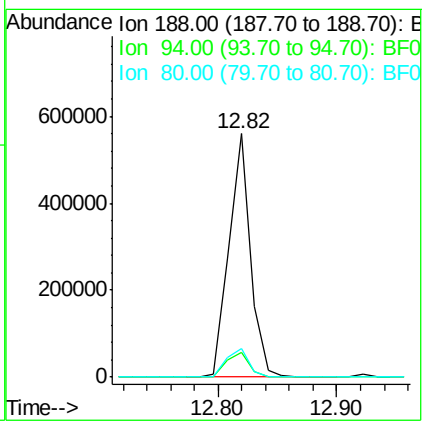


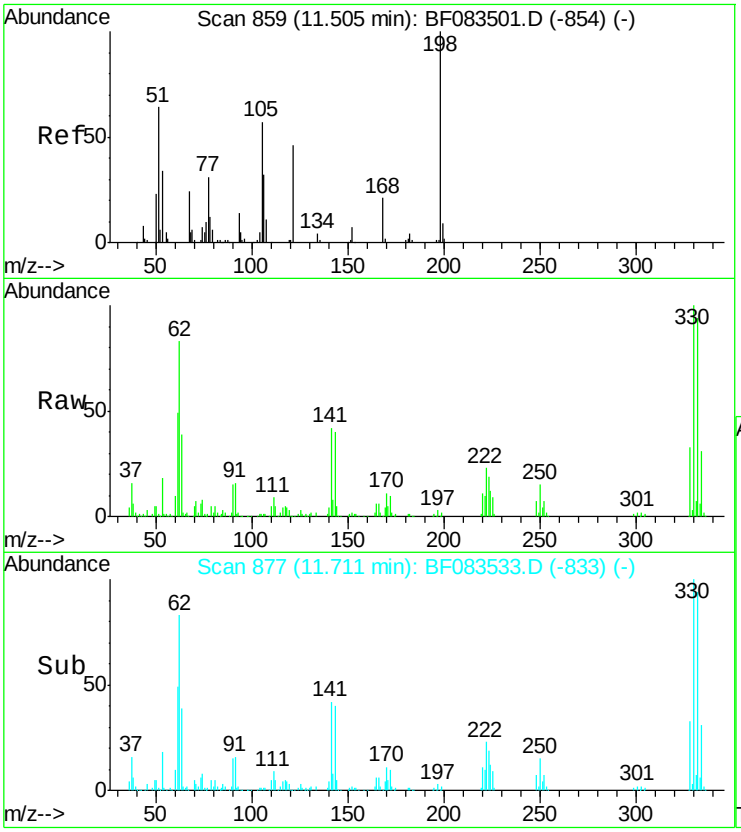




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:188 Resp: 702594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 9.4 | 14.2 |
| 80 | 11.6 | 10.6 | 16.0 |



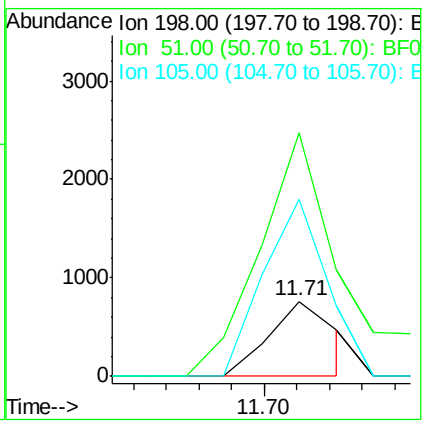


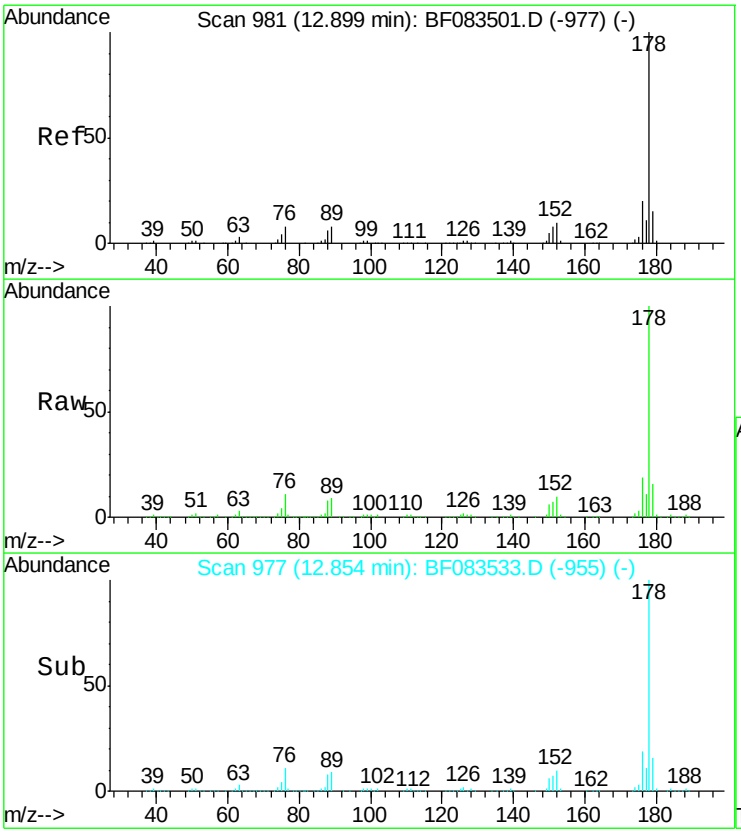

#64
4,6-Dinitro-2-methylphenol
Concen: 3.69 ng
RT: 11.71 min Scan# 877
Delta R.T. 0.21 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:198 Resp: 1070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 325.8 | 53.8 | 93.8# |
| 105 | 236.4 | 38.6 | 78.6# |

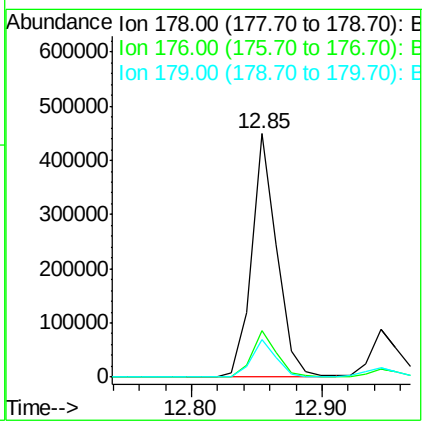


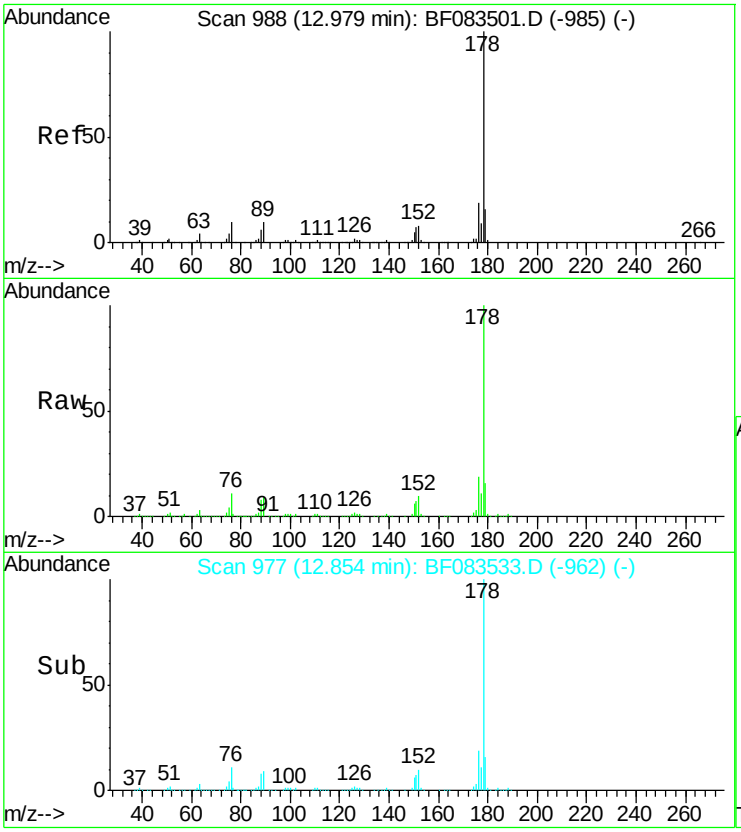




#70
Phenanthrene
Concen: 14.85 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:178 Resp: 607486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.7 | 23.5 |
| 179 | 15.6 | 12.2 | 18.4 |



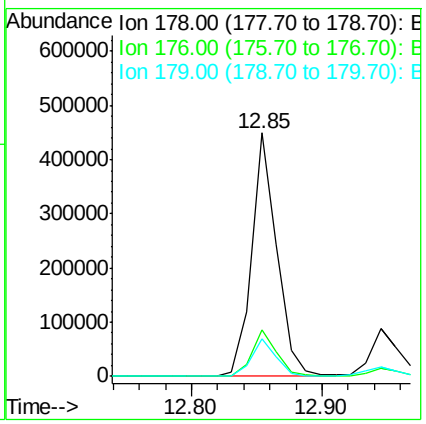


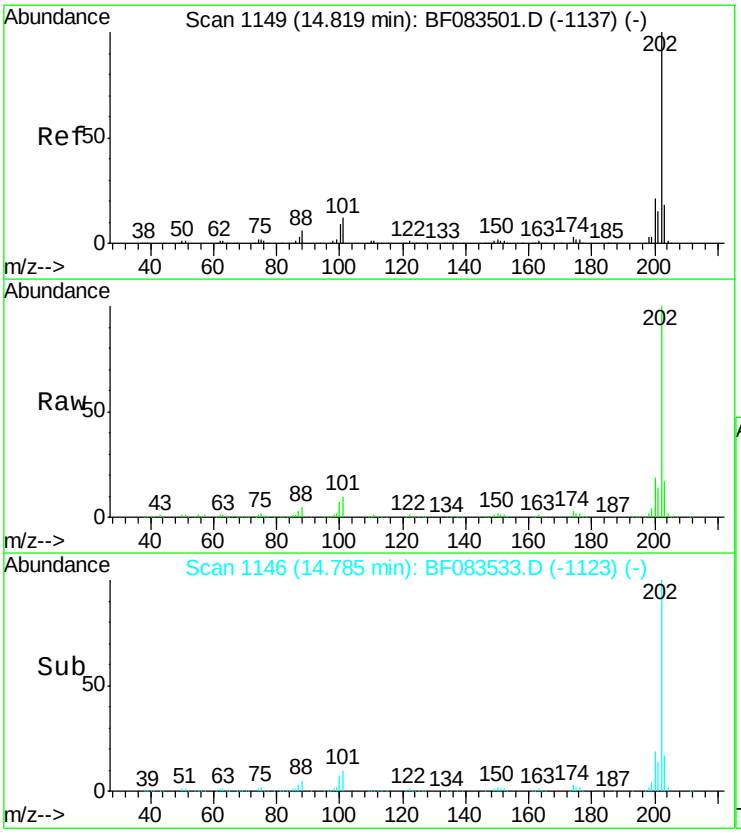

#71
Anthracene
Concen: 14.57 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.13 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:178 Resp: 607486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.2 | 22.8 |
| 179 | 15.6 | 12.6 | 18.8 |

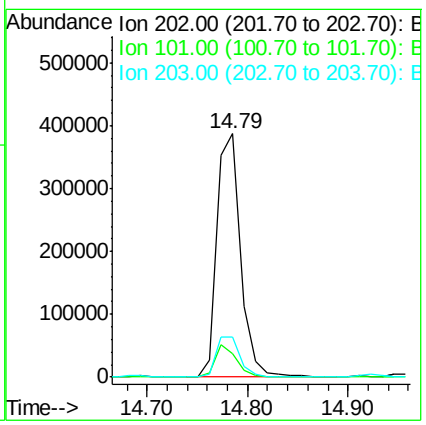


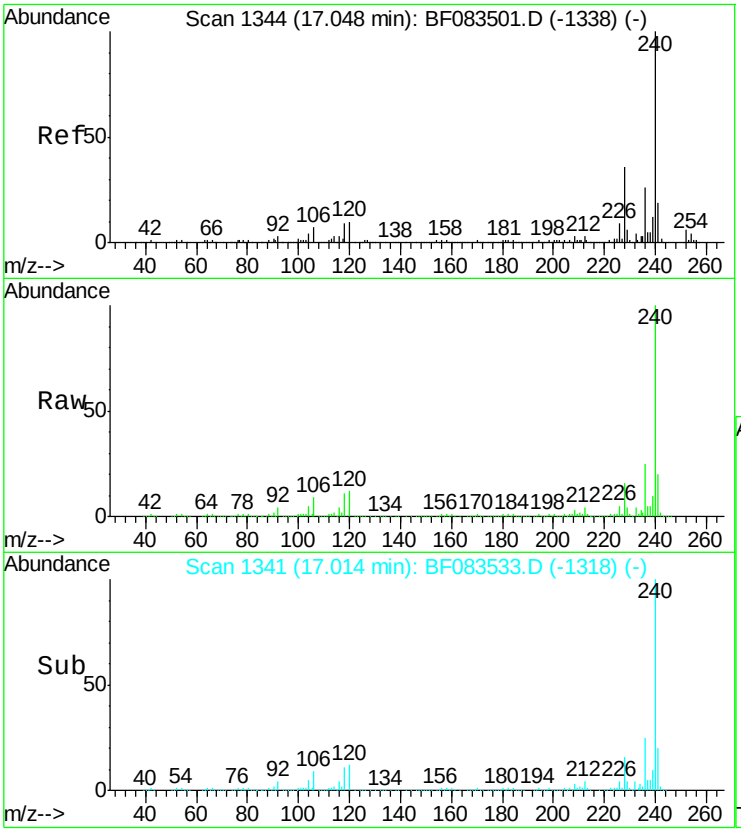




#74
Fluoranthene
Concen: 15.62 ng
RT: 14.79 min Scan# 1146
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:202 Resp: 633064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.6 | 0.0 | 31.5 |
| 203 | 16.7 | 0.0 | 37.6 |



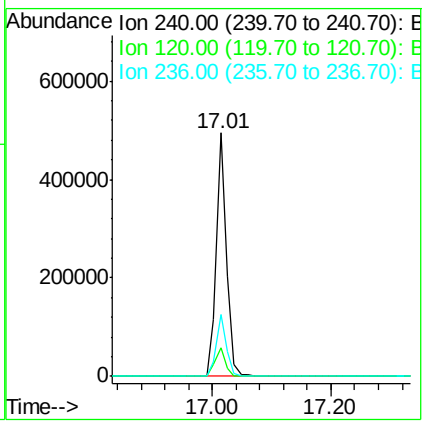


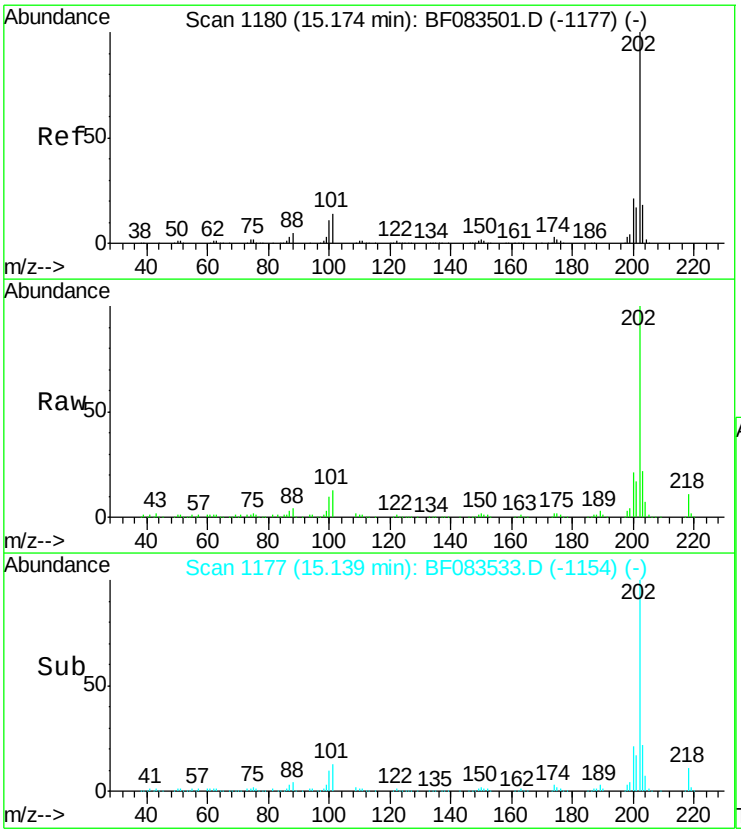

#75
Chrysene-d12
Concen: 20.00 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:240 Resp: 586349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 8.1 | 12.1 |
| 236 | 25.4 | 20.8 | 31.2 |

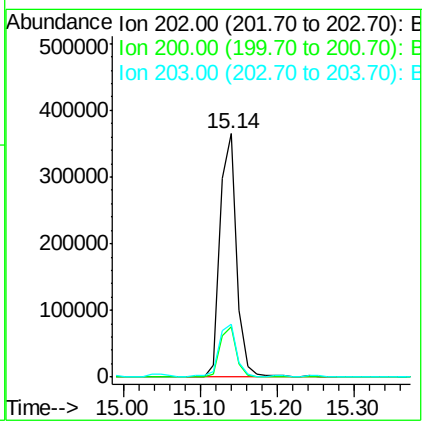


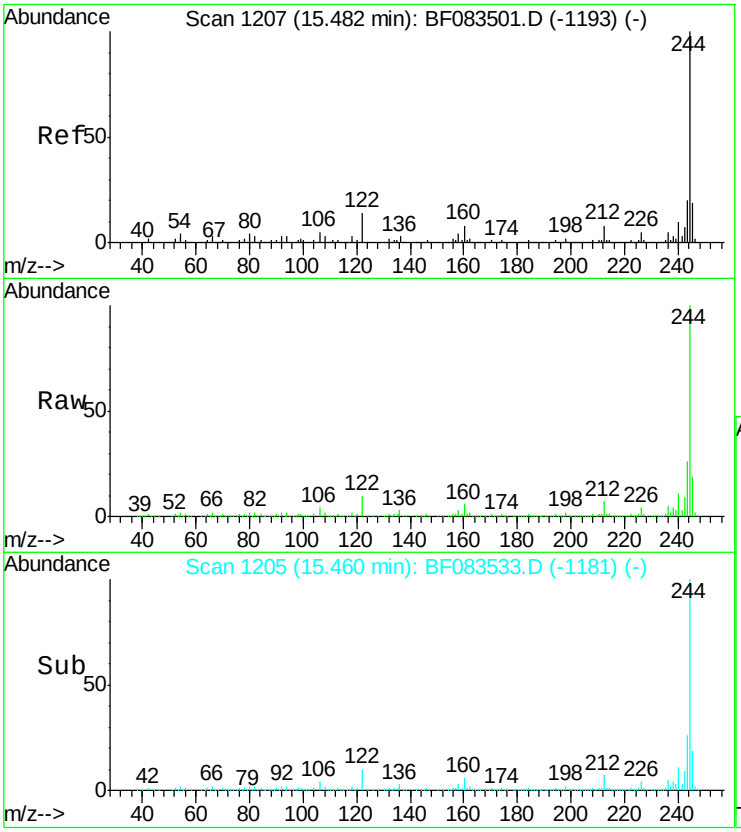




#77
Pyrene
Concen: 12.61 ng
RT: 15.14 min Scan# 1177
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:202 Resp: 553183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.7 | 25.1 |
| 203 | 21.8 | 14.3 | 21.5# |



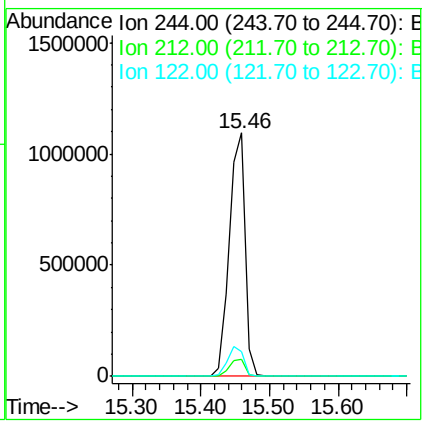


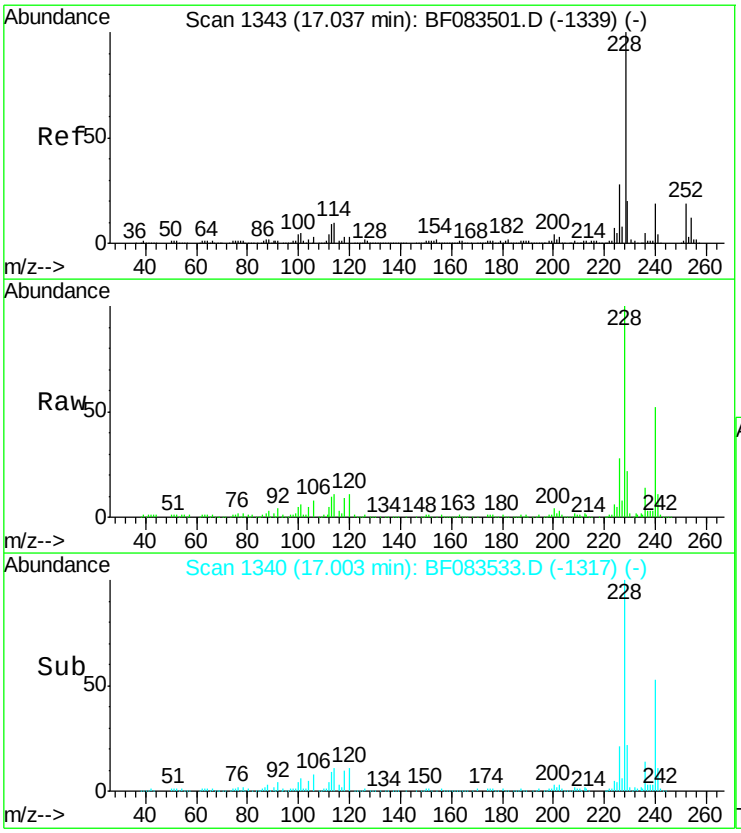

#78
Terphenyl-d14
Concen: 68.06 ng
RT: 15.46 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:244 Resp: 1793370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.1 | 9.1 |
| 122 | 10.0 | 11.0 | 16.6# |

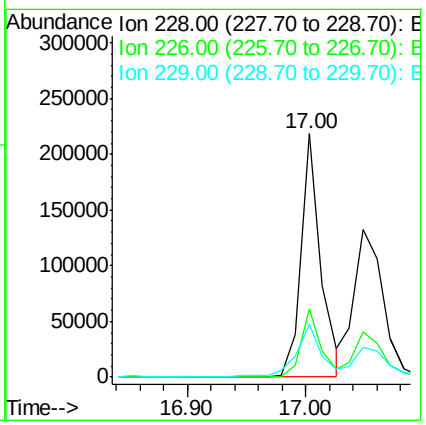


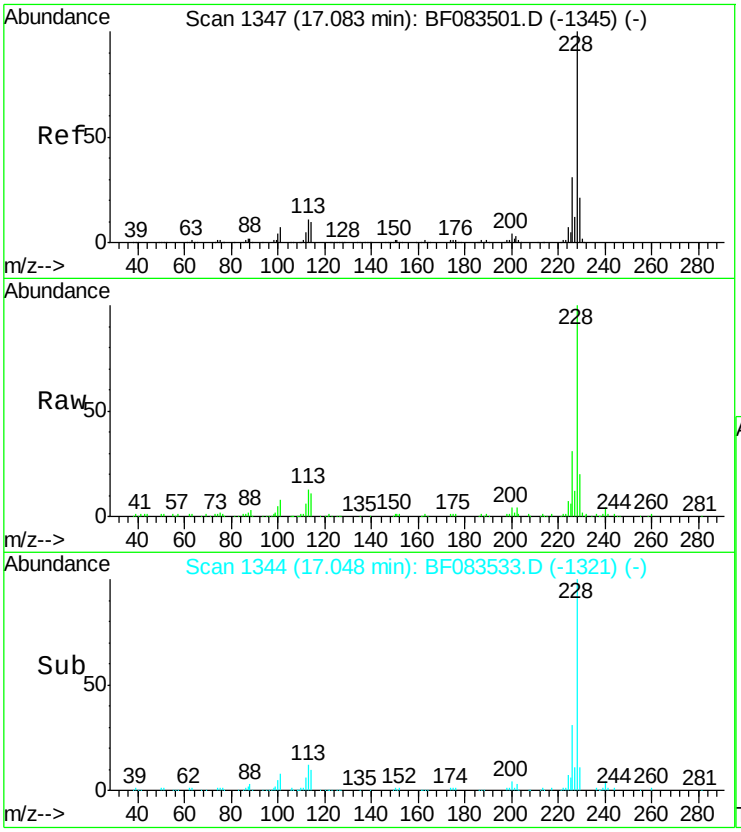




#80
Benzo(a)anthracene
Concen: 7.39 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:228 Resp: 253496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.0 | 22.3 | 33.5 |
| 229 | 21.7 | 15.7 | 23.5 |



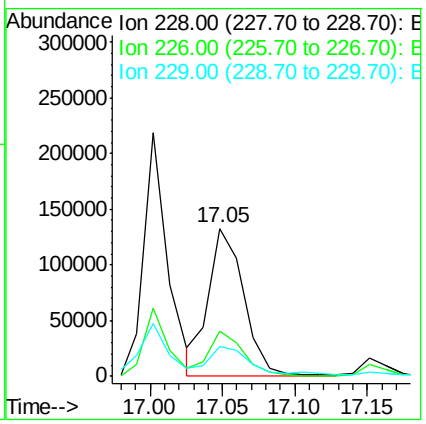


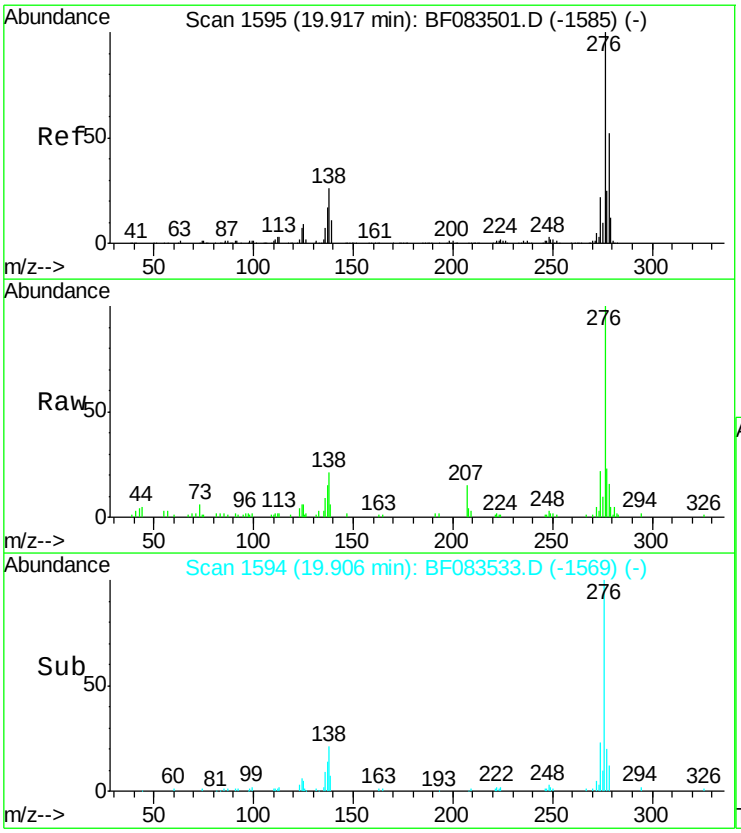

#82
Chrysene
Concen: 6.61 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:228 Resp: 225767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 24.7 | 37.1 |
| 229 | 20.3 | 16.3 | 24.5 |

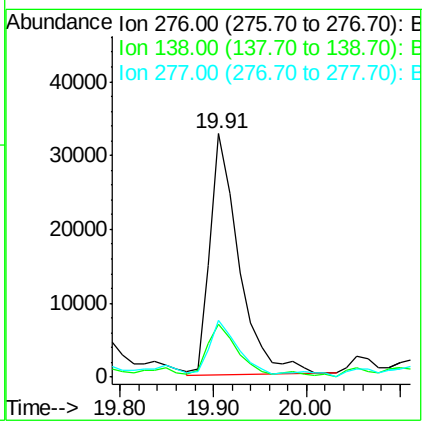


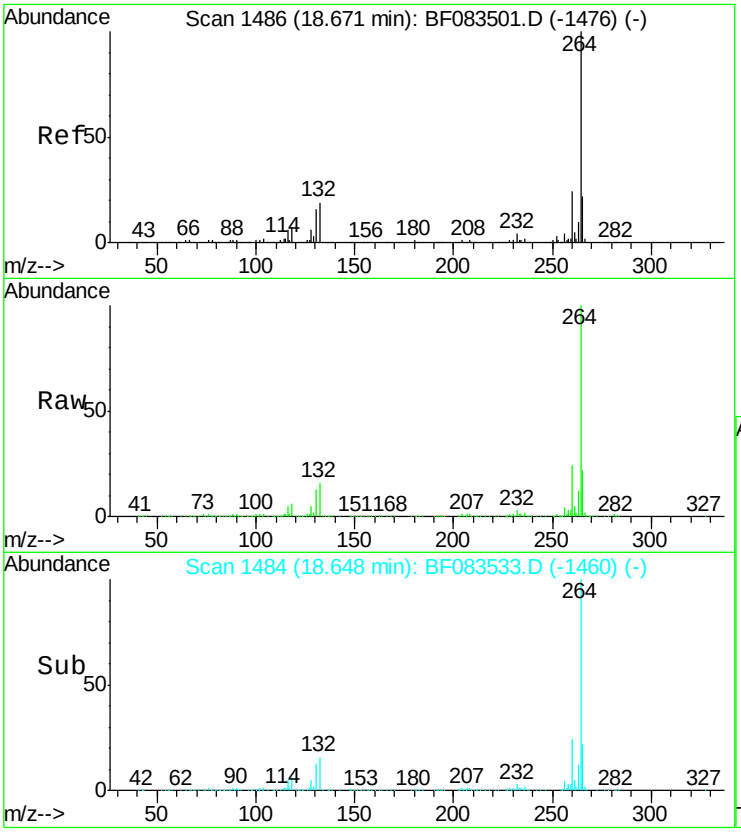




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.40 ng
RT: 19.91 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:276 Resp: 70452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.7 | 0.0 | 0.0# |
| 277 | 21.7 | 0.0 | 0.0# |



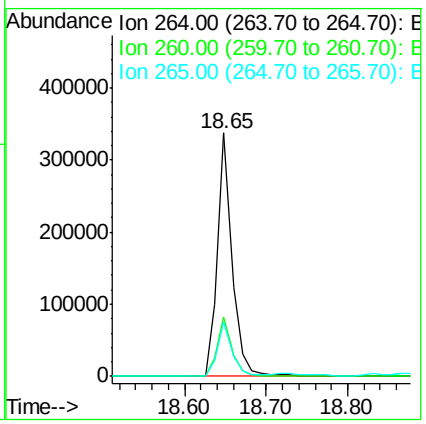


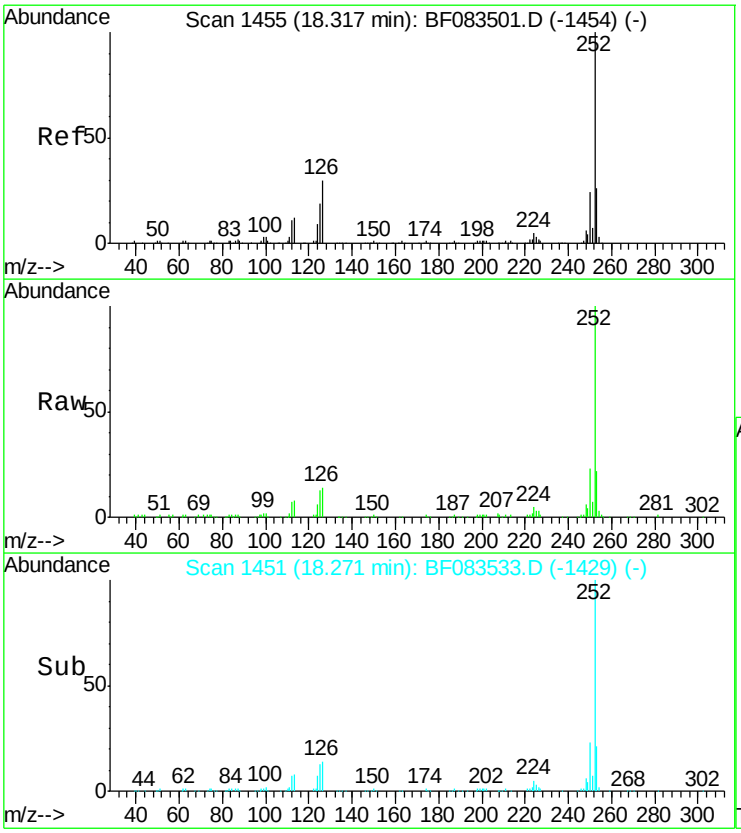

#86
Perylene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:264 Resp: 422514

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.0 |
| 265 | 22.2 | 17.8 | 26.6 |

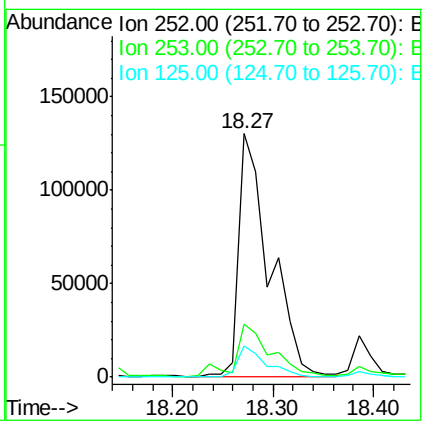


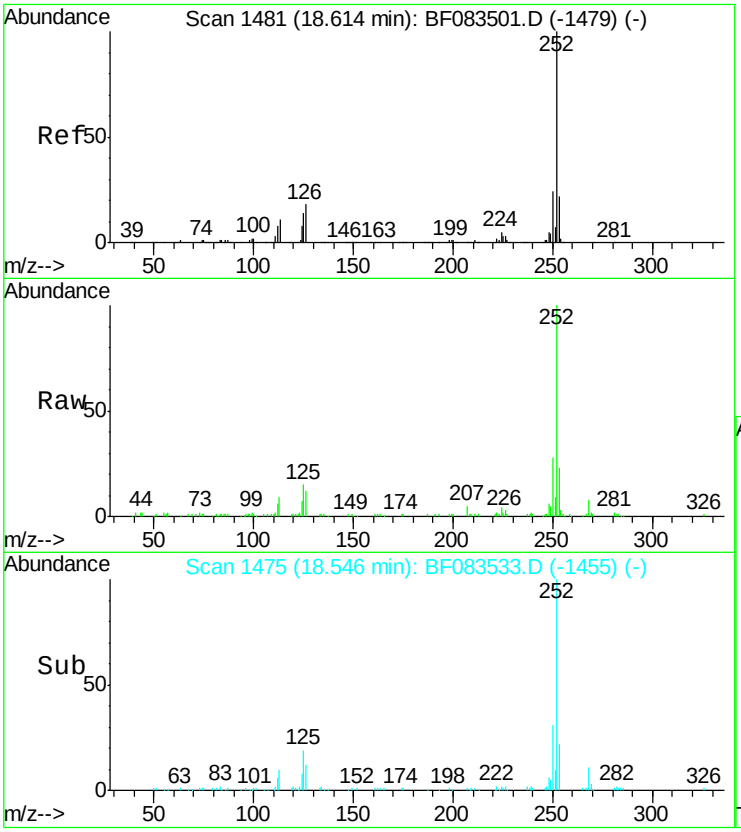




#88
Benzo(k)fluoranthene
Concen: 11.28 ng
RT: 18.27 min Scan# 1451
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:252 Resp: 274271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 18.6 | 27.8 |
| 125 | 12.8 | 11.5 | 17.3 |



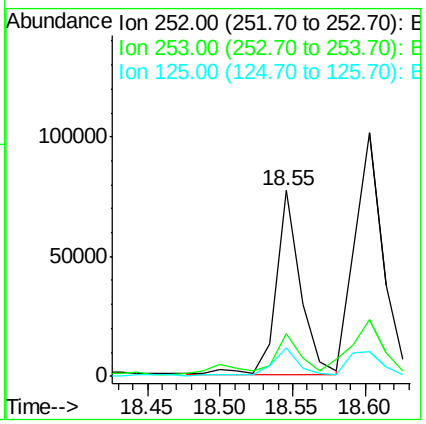


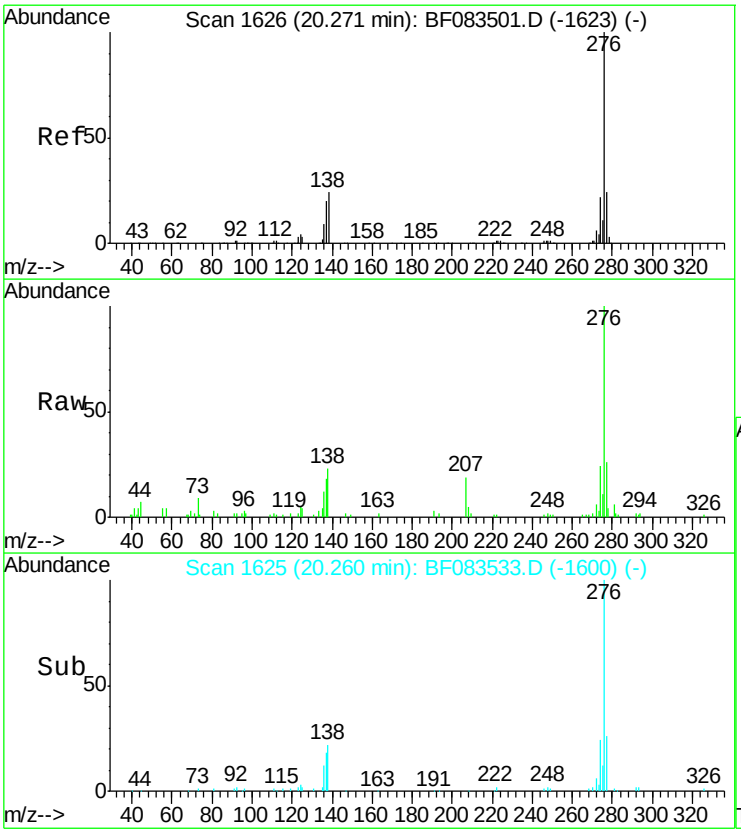

#89
Benzo(a)pyrene
Concen: 3.85 ng
RT: 18.55 min Scan# 1475
Delta R.T. -0.07 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

**Instrument :**
BNA_G
**ClientSampleId :**
S28-15

Tgt Ion:252 Resp: 88973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.5 | 26.3 |
| 125 | 15.2 | 11.0 | 16.6 |




#91
Benzo(g,h,i)perylene
Concen: 2.91 ng
RT: 20.26 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion:276 Resp: 65010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.3 | 19.2 | 28.8 |
| 138 | 22.8 | 19.5 | 29.3 |