Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080224.D
Acq On : 30 Jun 2015 1:46
Operator : TP/IZ
Sample : G2817-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-C1

Quant Time: Jun 30 04:38:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.29 | 152 | 29355 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 8.58 | 136 | 113167 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 10.36 | 164 | 59630 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 11.86 | 188 | 120275 | 20.00 | ng | | -0.05 |
| 75) Chrysene-d12 | 14.80 | 240 | 132263 | 20.00 | ng | | -0.19 |
| 86) Perylene-d12 | 16.67 | 264 | 131355 | 20.00 | ng | | -0.26 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.91 | 112 | 254213 | 153.30 | ng | | -0.02 |
| 7) Phenol-d6 | 6.90 | 99 | 353441 | 160.16 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.85 | 82 | 210541 | 108.31 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 11.16 | 330 | 85672 | 146.93 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.66 | 172 | 372328 | 89.04 | ng | | -0.03 |
| 78) Terphenyl-d14 | 13.55 | 244 | 455216 | 80.38 | ng | | -0.13 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.85 | 70 | 27166 | 17.73 | ng | # | 58 |
| 25) Isophorone | 7.85 | 82 | 210533 | 53.82 | ng | # | 58 |
| 49) Dimethylphthalate | 10.05 | 163 | 64464 | 14.38 | ng | # | 97 |
| 56) 2,4-Dinitrotoluene | 10.36 | 165 | 7394 | 6.48 | ng | # | 31 |
| 66) 4-Bromophenyl-phenylether | 11.16 | 248 | 6224 | 4.87 | ng | # | 1 |
| 70) Phenanthrene | 11.89 | 178 | 49571 | 6.81 | ng | | 98 |
| 74) Fluoranthene | 13.15 | 202 | 83018 | 10.70 | ng | | 86 |
| 77) Pyrene | 13.40 | 202 | 71246 | 8.75 | ng | | 97 |
| 80) Benzo(a)anthracene | 14.79 | 228 | 40493 | 5.03 | ng | | 94 |
| 82) Chrysene | 14.84 | 228 | 31998 | 4.31 | ng | | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 18.49 | 276 | 21054 | 2.25 | ng | # | 85 |
| 87) Benzo(b)fluoranthene | 16.13 | 252 | 57688 | 7.25 | ng | # | 88 |
| 88) Benzo(k)fluoranthene | 16.13 | 252 | 57688 | 7.12 | ng | # | 89 |
| 89) Benzo(a)pyrene | 16.59 | 252 | 32009 | 4.24 | ng | # | 86 |
| 91) Benzo(g,h,i)perylene | 19.04 | 276 | 19364 | 2.48 | ng | # | 74 |

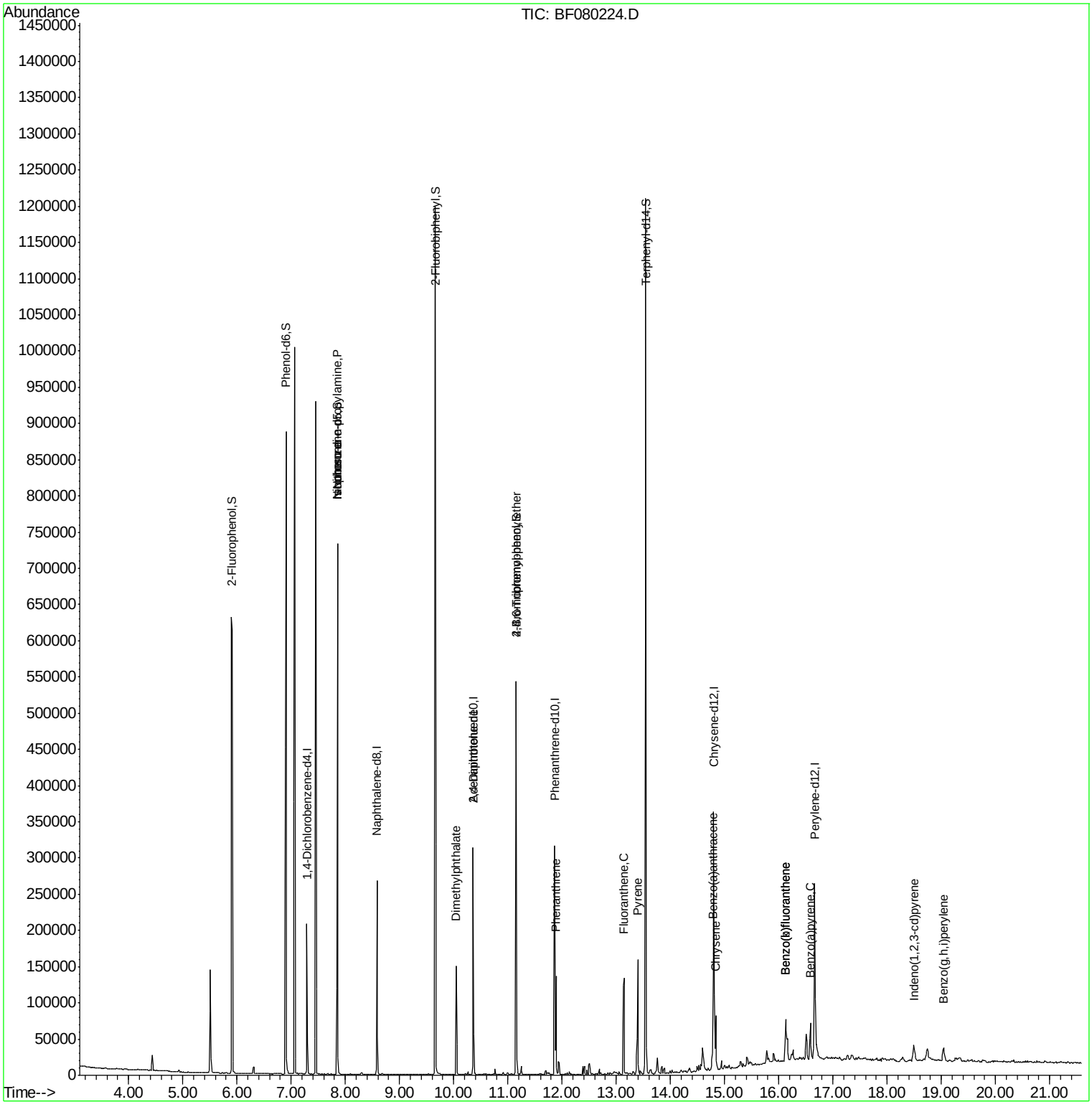
(#) = qualifier out of range (m) = manual integration (+) = signals summed

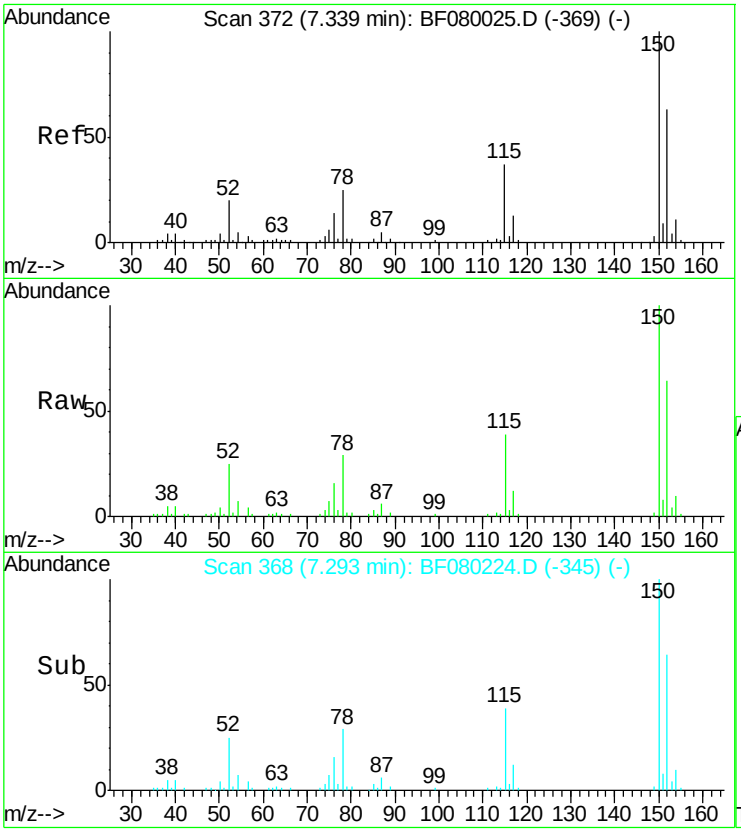
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
Data File : BF080224.D
Acq On : 30 Jun 2015 1:46
Operator : TP/IZ
Sample : G2817-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Quant Time: Jun 30 04:38:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 23 00:53:56 2015
Response via : Initial Calibration



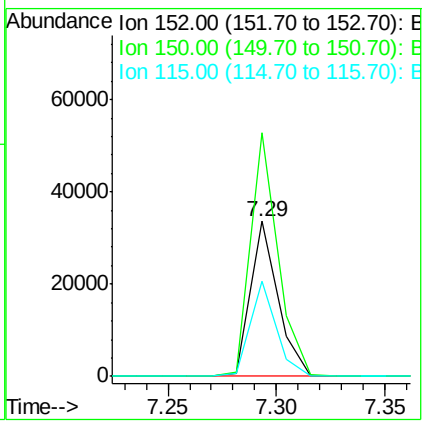


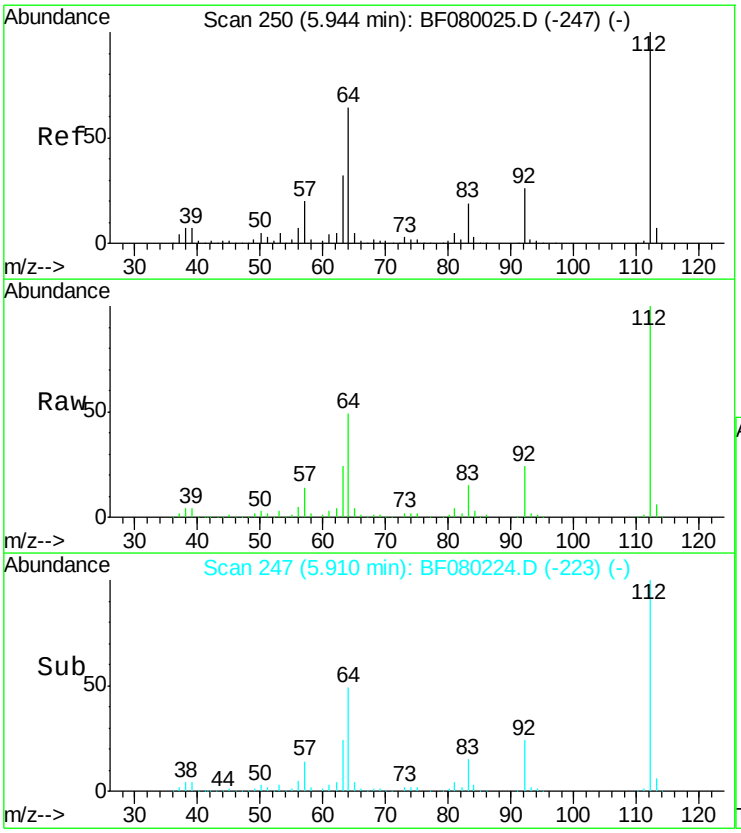

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 368
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:152 Resp: 29355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.4 | 124.7 | 187.1 |
| 115 | 61.5 | 39.0 | 58.4# |

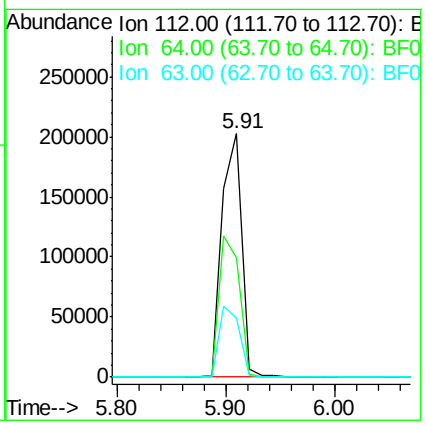


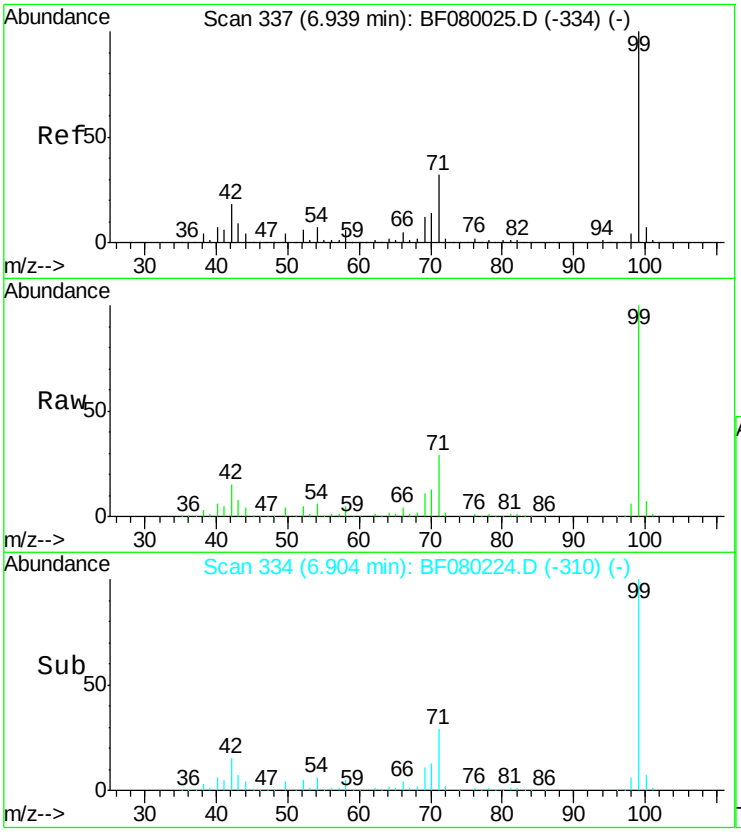




#5
2-Fluorophenol
Concen: 153.30 ng
RT: 5.91 min Scan# 247
Delta R.T. -0.02 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:112 Resp: 254213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.0 | 39.7 | 59.5 |
| 63 | 24.2 | 17.4 | 26.0 |



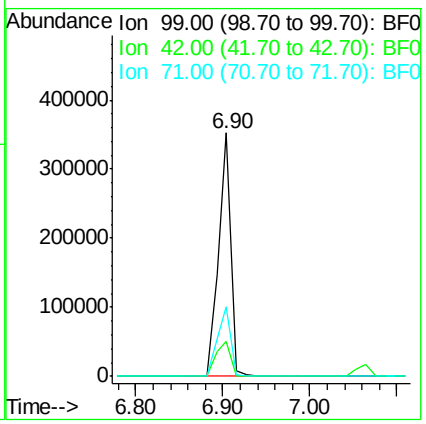


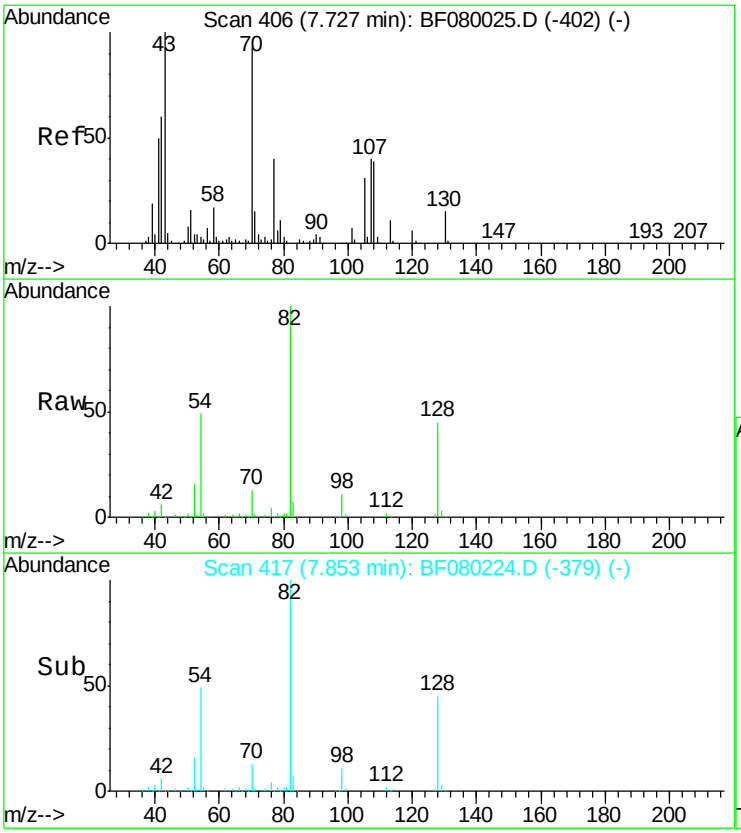

#7
Phenol-d6
Concen: 160.16 ng
RT: 6.90 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion: 99 Resp: 353441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.6 | 13.7 | 20.5 |
| 71 | 28.7 | 14.2 | 21.2# |

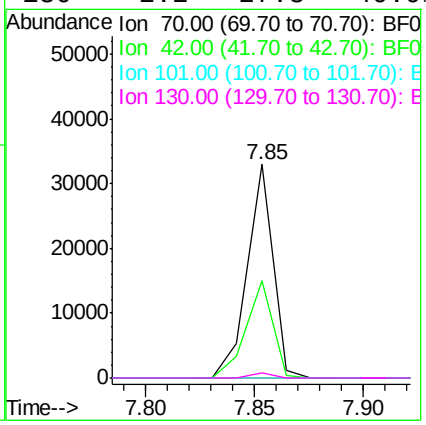


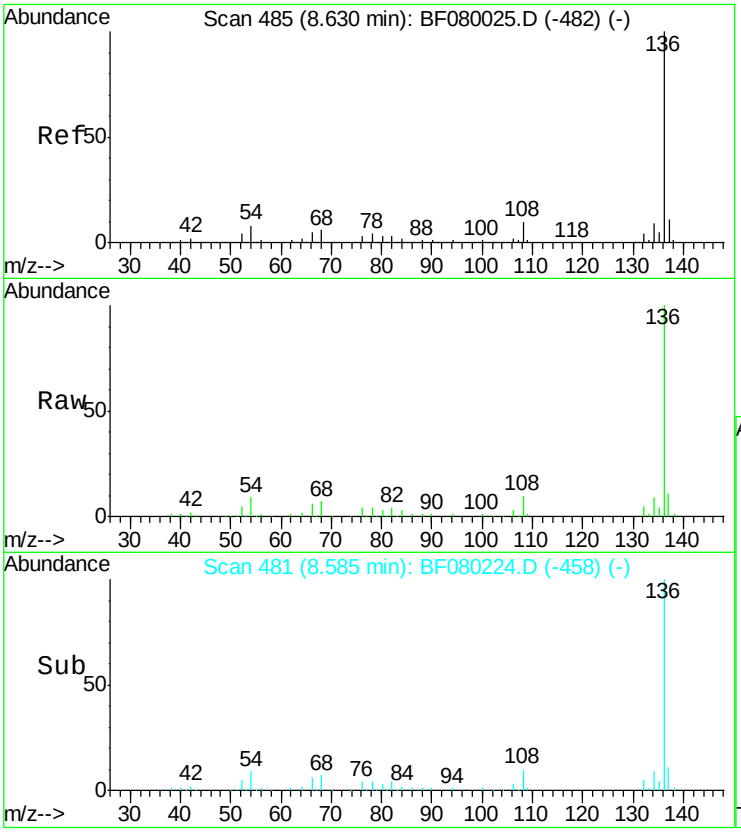




#19
n-Nitroso-di-n-propylamine
Concen: 17.73 ng
RT: 7.85 min Scan# 417
Delta R.T. 0.14 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion: 70 Resp: 27166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 45.6 | 63.8 | 95.6# |
| 101 | 0.0 | 9.2 | 13.8# |
| 130 | 2.2 | 27.3 | 40.9# |



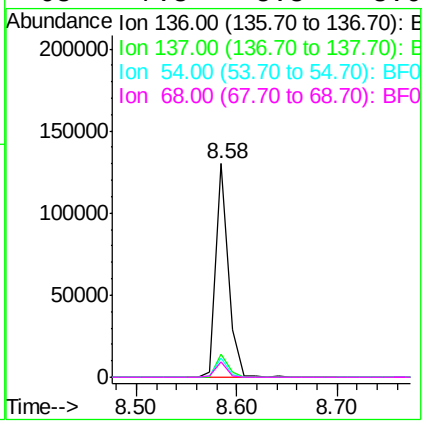


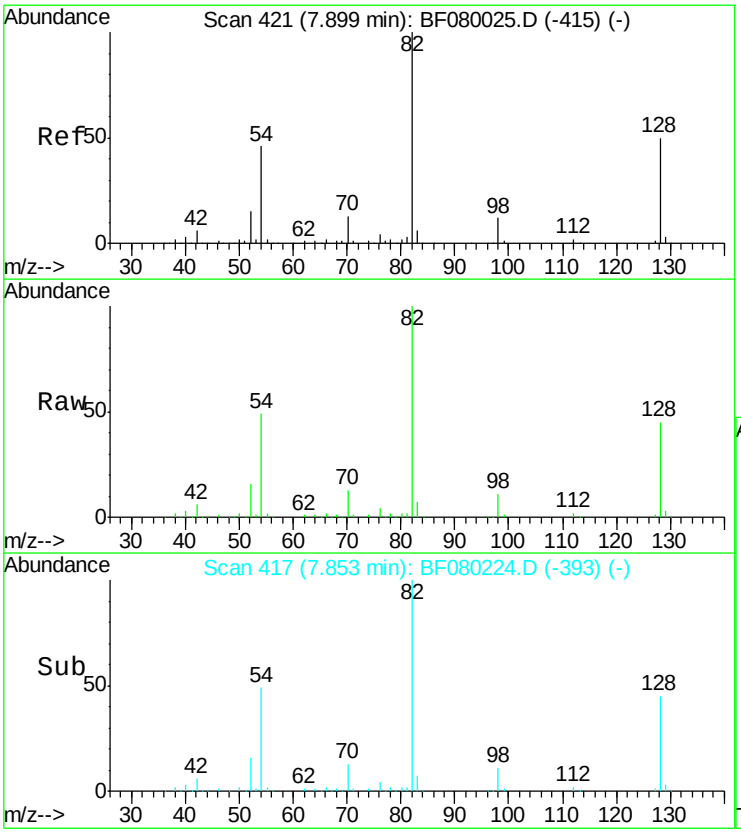

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:136 Resp: 113167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.0 | 13.6 |
| 54 | 9.2 | 8.2 | 12.2 |
| 68 | 7.3 | 5.8 | 8.6 |

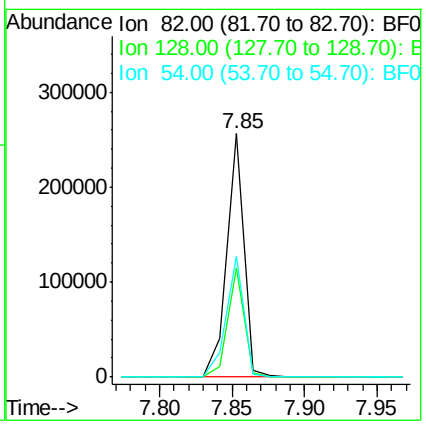


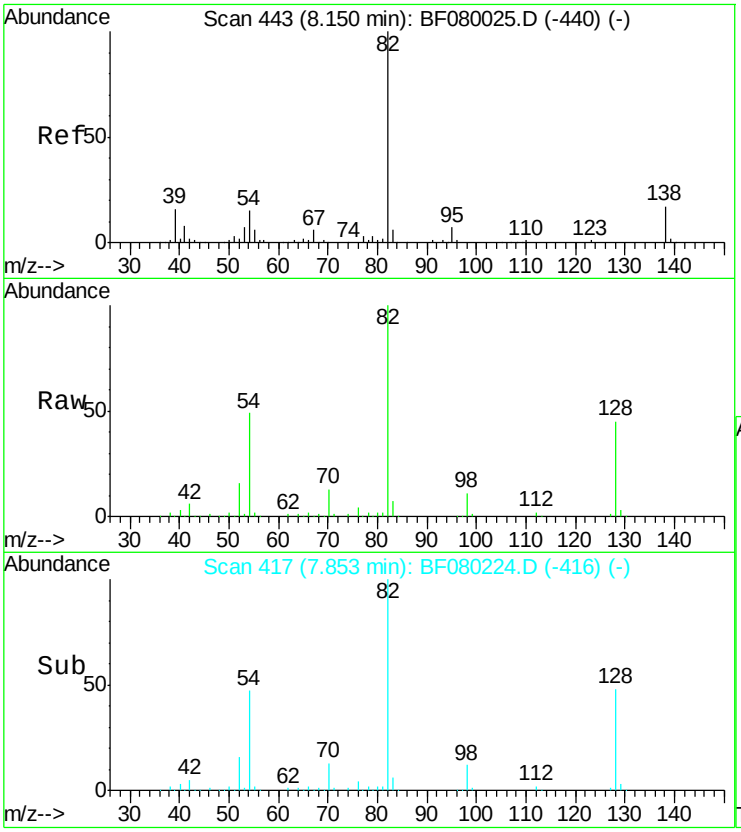




#23
Nitrobenzene-d5
Concen: 108.31 ng
RT: 7.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion: 82 Resp: 210541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.9 | 51.0 | 76.6# |
| 54 | 49.4 | 47.5 | 71.3 |



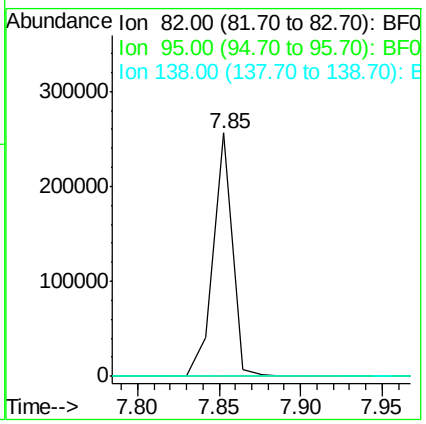


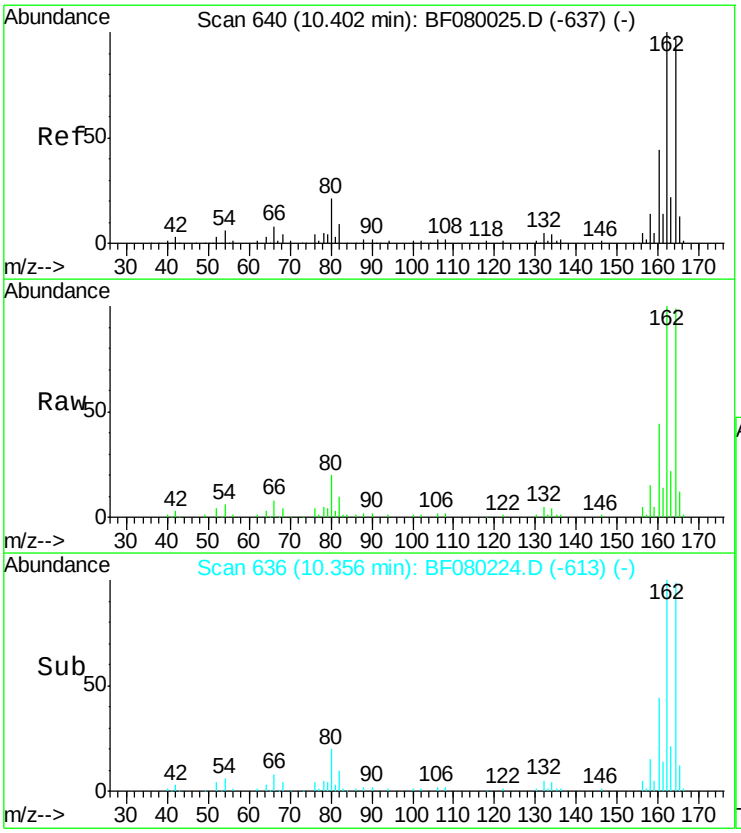

#25
Isophorone
Concen: 53.82 ng
RT: 7.85 min Scan# 417
Delta R.T. -0.29 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion: 82 Resp: 210533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 4.0 | 6.0# |
| 138 | 0.0 | 18.3 | 27.5# |

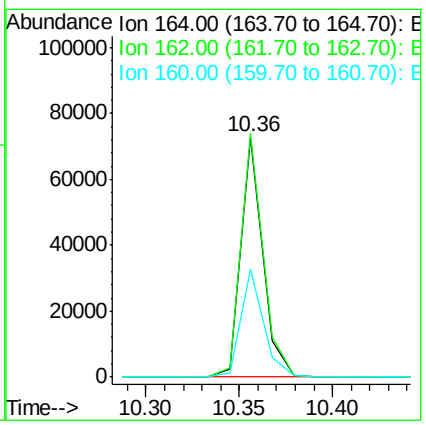


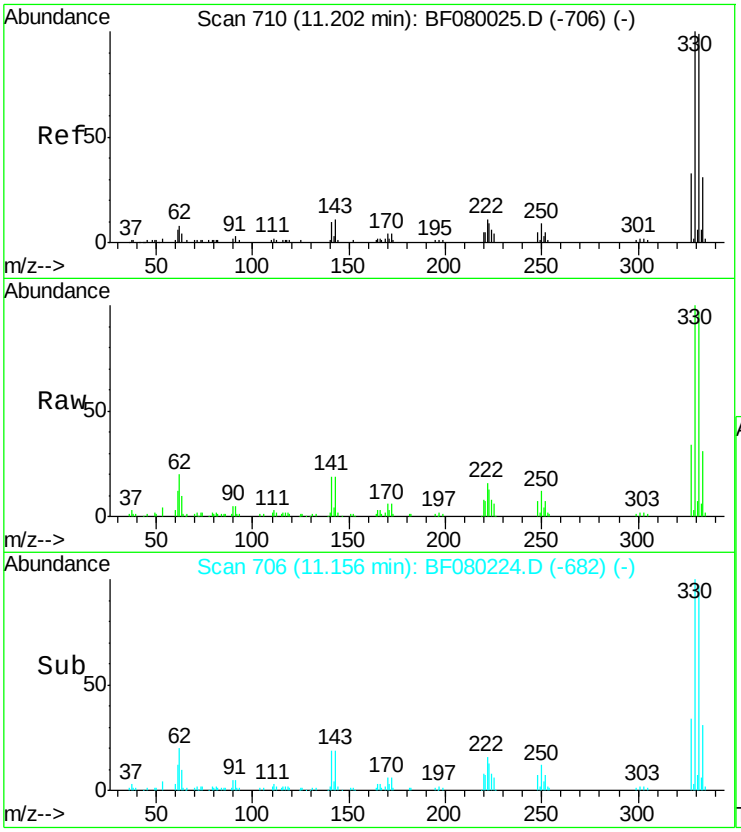




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 636
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:164 Resp: 59630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 75.2 | 112.8 |
| 160 | 45.0 | 31.5 | 47.3 |



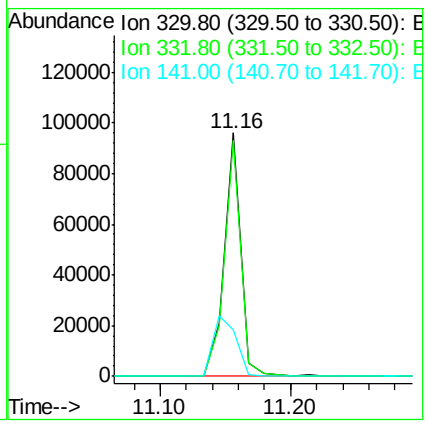


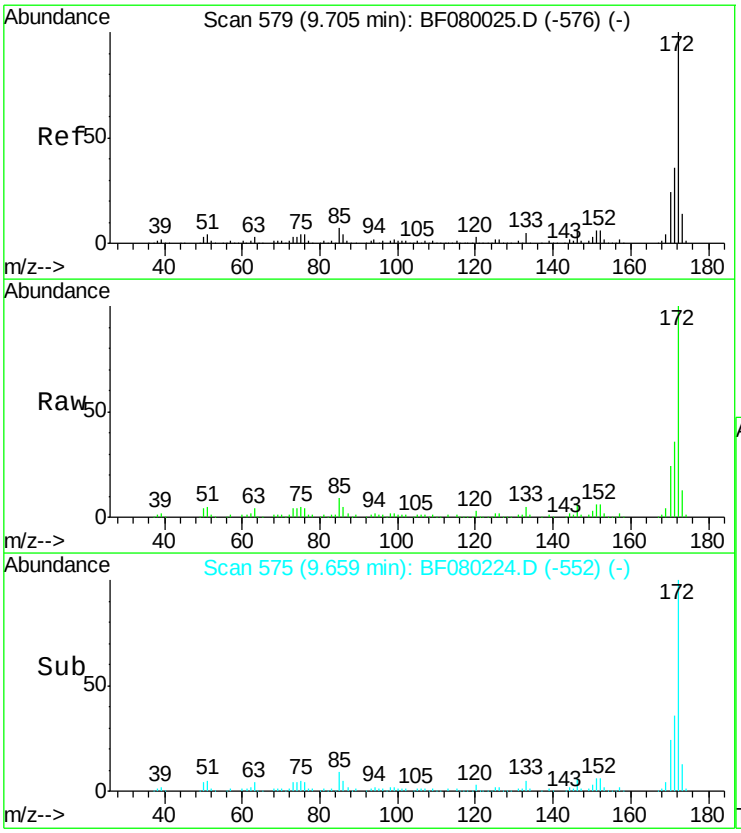

#41
2,4,6-Tribromophenol
Concen: 146.93 ng
RT: 11.16 min Scan# 706
Delta R.T. -0.02 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:330 Resp: 85672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 76.6 | 114.8 |
| 141 | 35.1 | 29.7 | 44.5 |

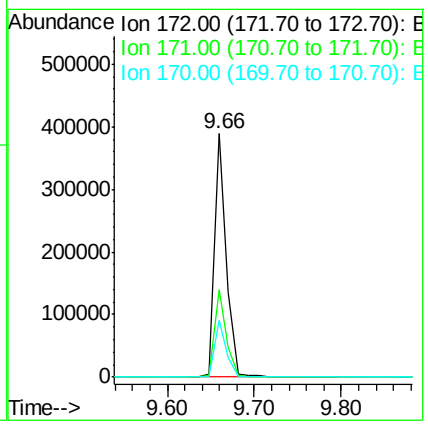


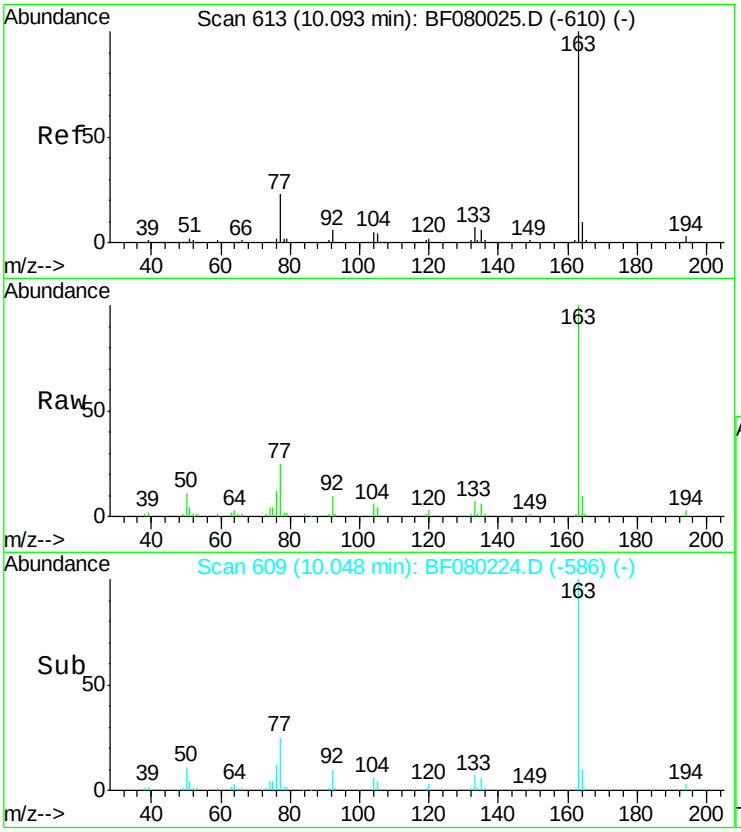




#44
2-Fluorobiphenyl
Concen: 89.04 ng
RT: 9.66 min Scan# 575
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:172 Resp: 372328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.9 | 26.1 | 39.1 |
| 170 | 23.5 | 17.4 | 26.2 |



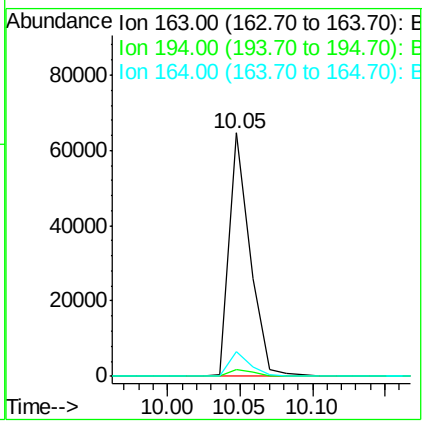


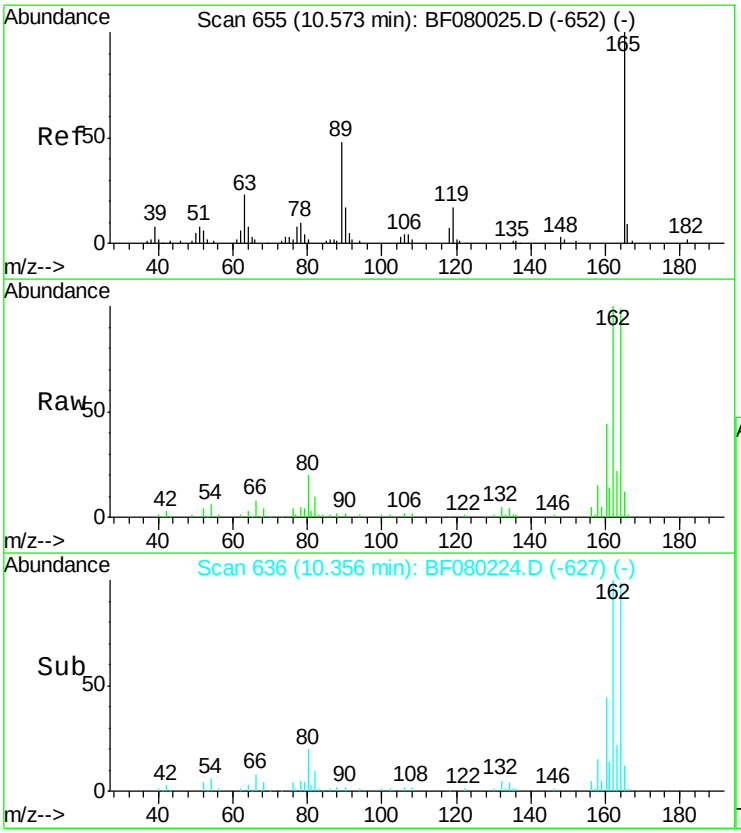

#49
Dimethylphthalate
Concen: 14.38 ng
RT: 10.05 min Scan# 609
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:163 Resp: 64464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.0 | 4.4 | 6.6# |
| 164 | 10.0 | 8.3 | 12.5 |

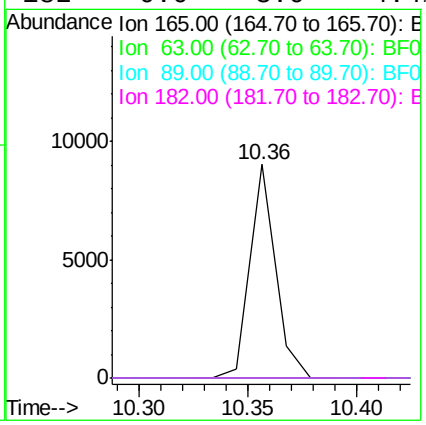


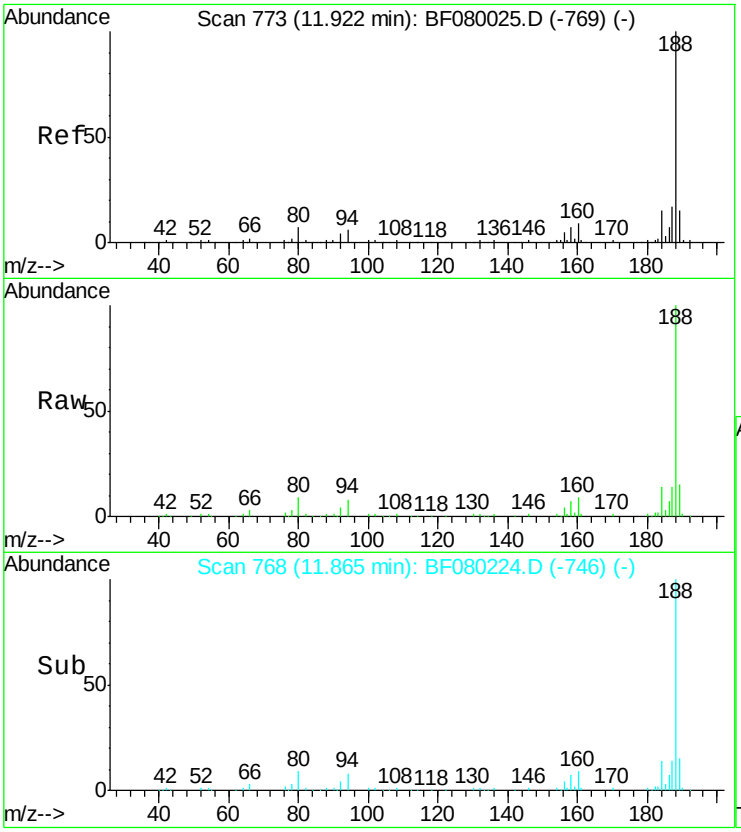




#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 10.36 min Scan# 636
Delta R.T. -0.19 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:165 Resp: 7394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 29.8 | 44.6# |
| 89 | 0.0 | 44.5 | 66.7# |
| 182 | 0.0 | 3.0 | 4.4# |



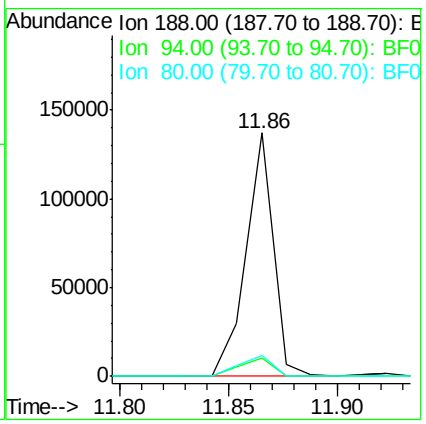


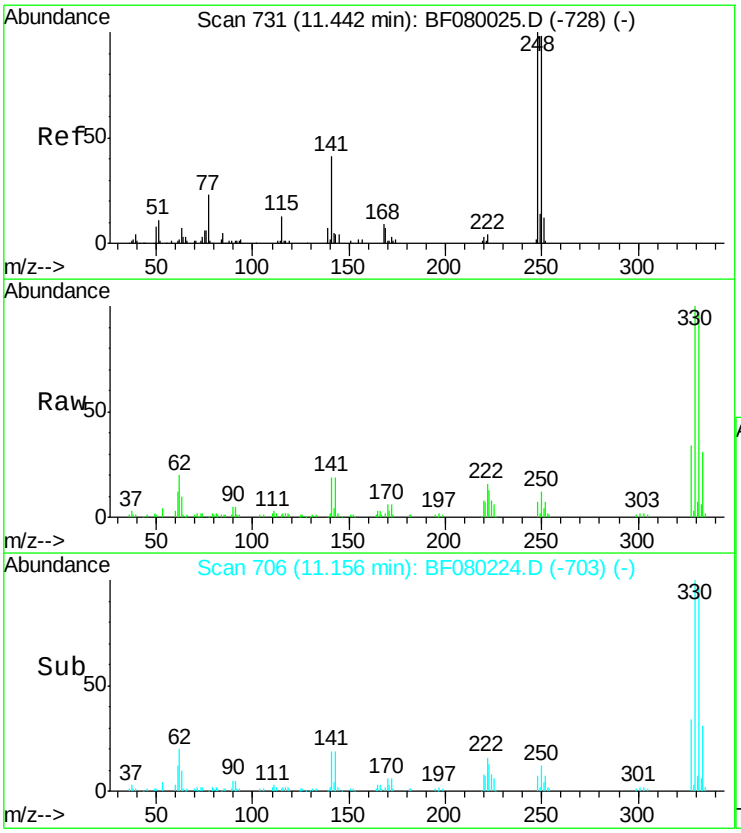

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.86 min Scan# 768
Delta R.T. -0.05 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:188 Resp: 120275

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 11.1 | 16.7# |
| 80 | 8.5 | 11.0 | 16.4# |

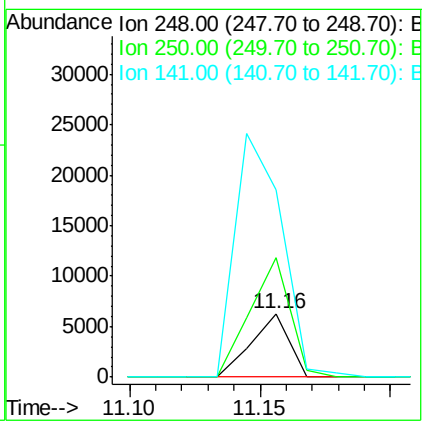


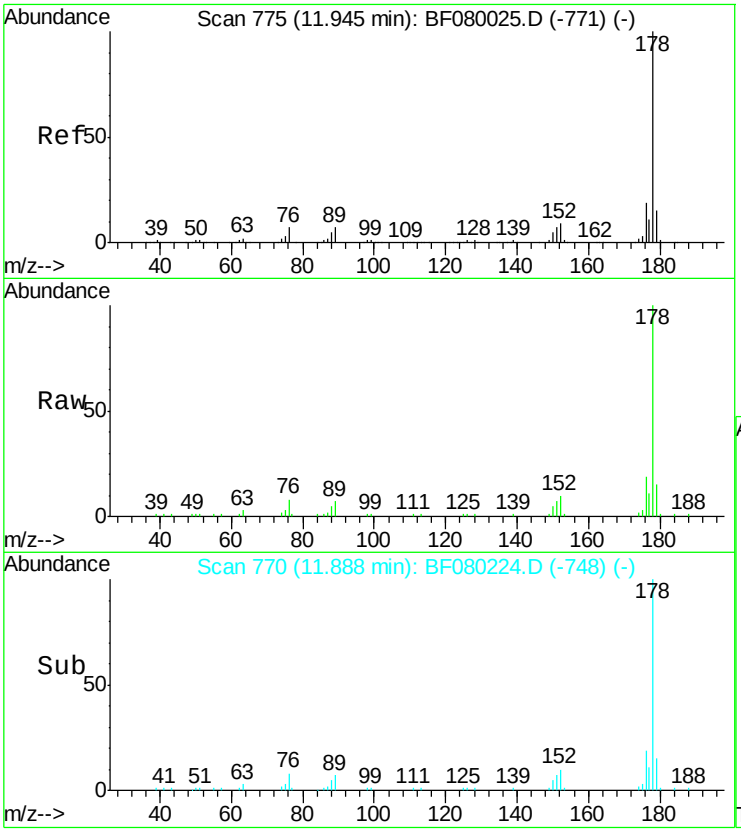




#66
4-Bromophenyl-phenylether
Concen: 4.87 ng
RT: 11.16 min Scan# 706
Delta R.T. -0.26 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:248 Resp: 6224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 188.1 | 78.5 | 117.7# |
| 141 | 294.6 | 59.0 | 88.6# |



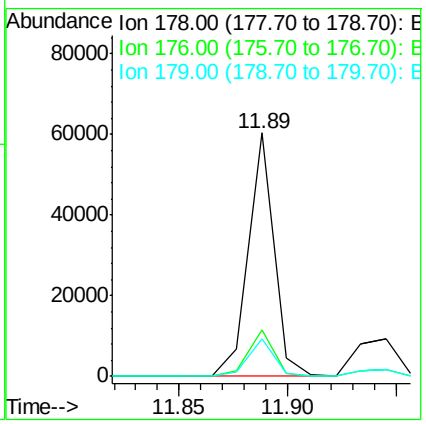


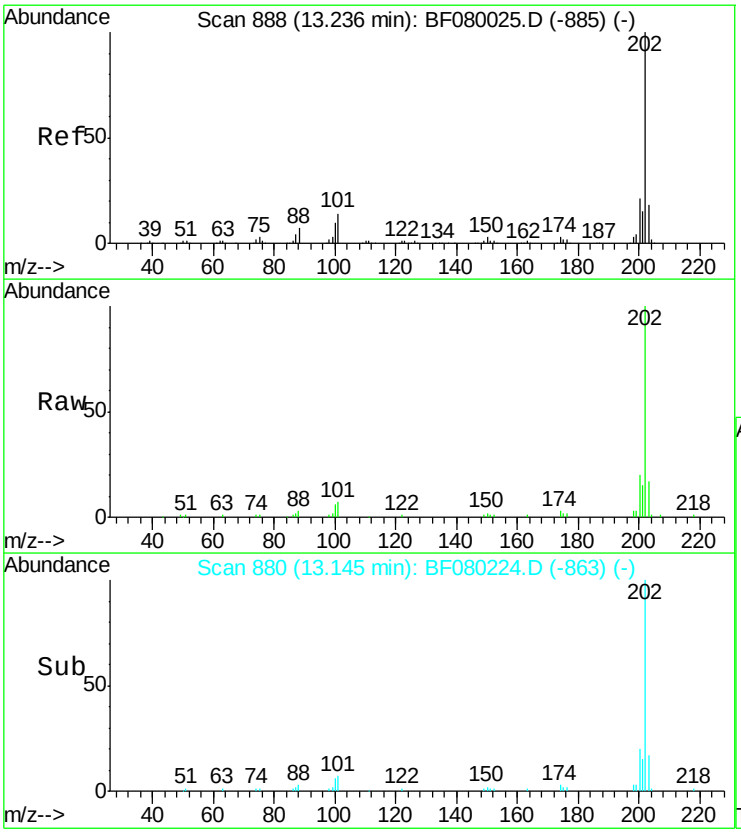

#70
Phenanthrene
Concen: 6.81 ng
RT: 11.89 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:178 Resp: 49571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 13.8 | 20.8 |
| 179 | 15.2 | 12.2 | 18.2 |

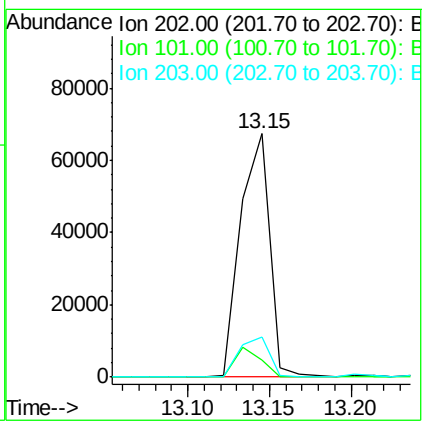


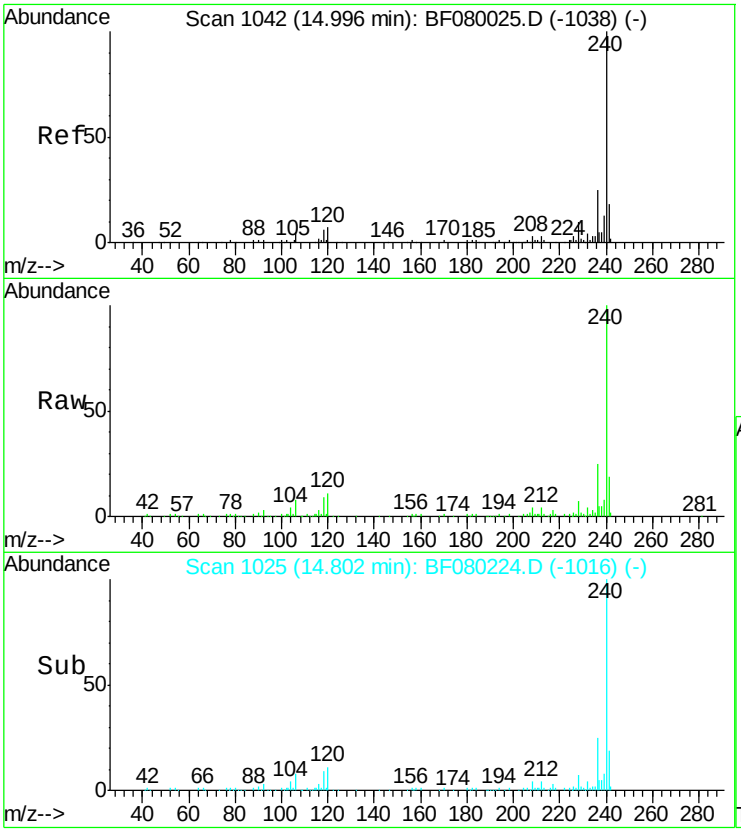




#74
Fluoranthene
Concen: 10.70 ng
RT: 13.15 min Scan# 880
Delta R.T. -0.10 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:202 Resp: 83018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.9 | 0.0 | 38.3 |
| 203 | 16.7 | 0.0 | 37.3 |



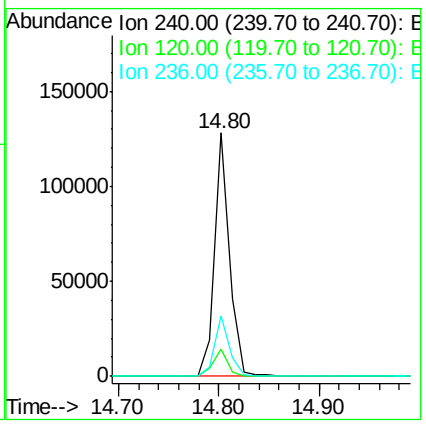


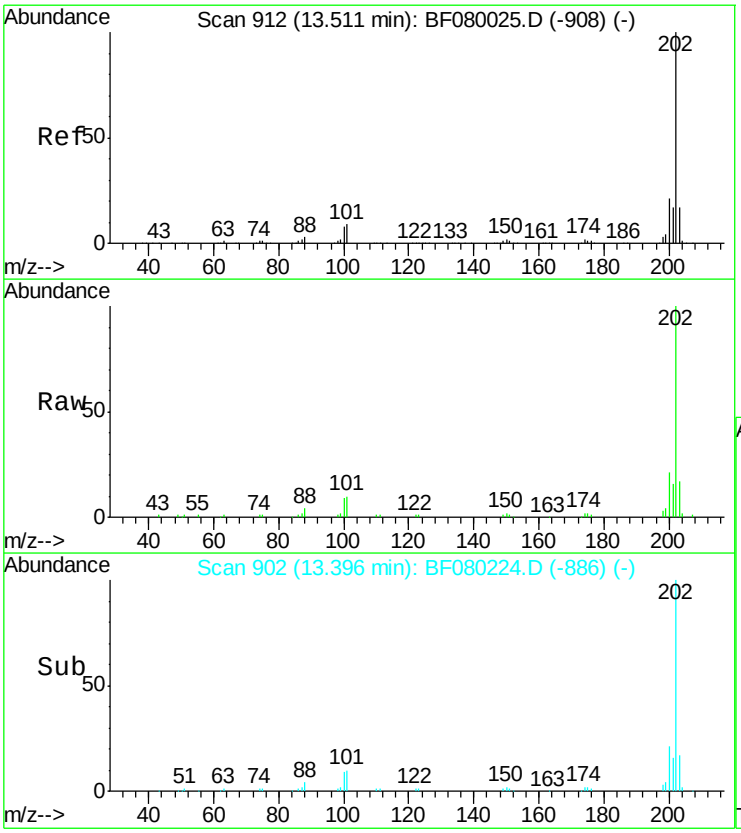

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.80 min Scan# 1025
Delta R.T. -0.19 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:240 Resp: 132263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 16.2 | 24.2# |
| 236 | 24.9 | 18.4 | 27.6 |

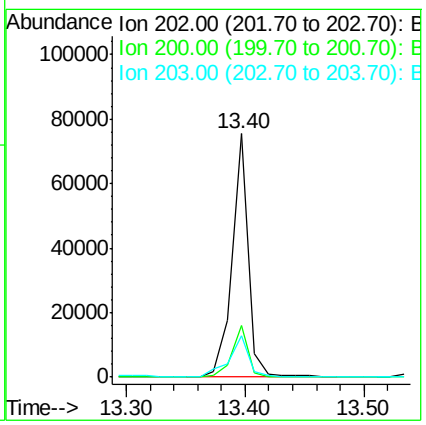


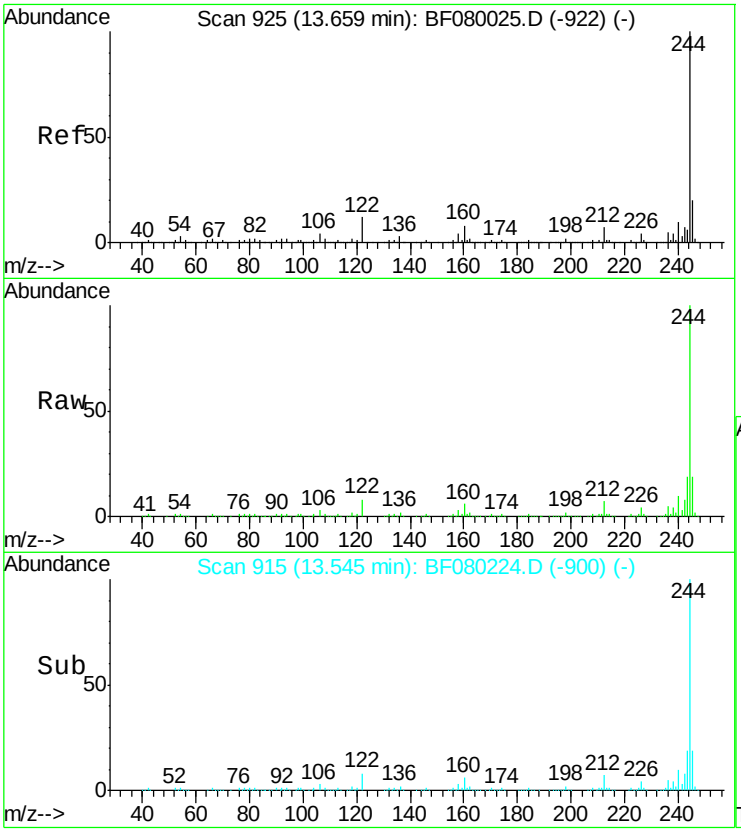




#77
Pyrene
Concen: 8.75 ng
RT: 13.40 min Scan# 902
Delta R.T. -0.11 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:202 Resp: 71246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.3 | 15.0 | 22.4 |
| 203 | 17.1 | 14.1 | 21.1 |



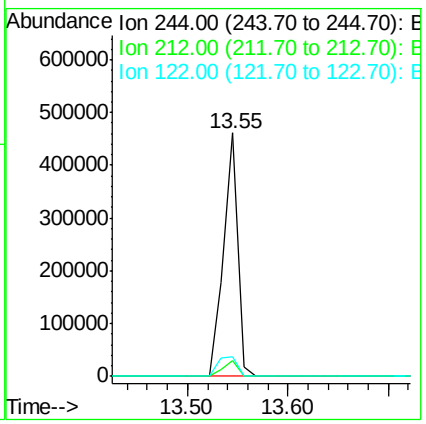


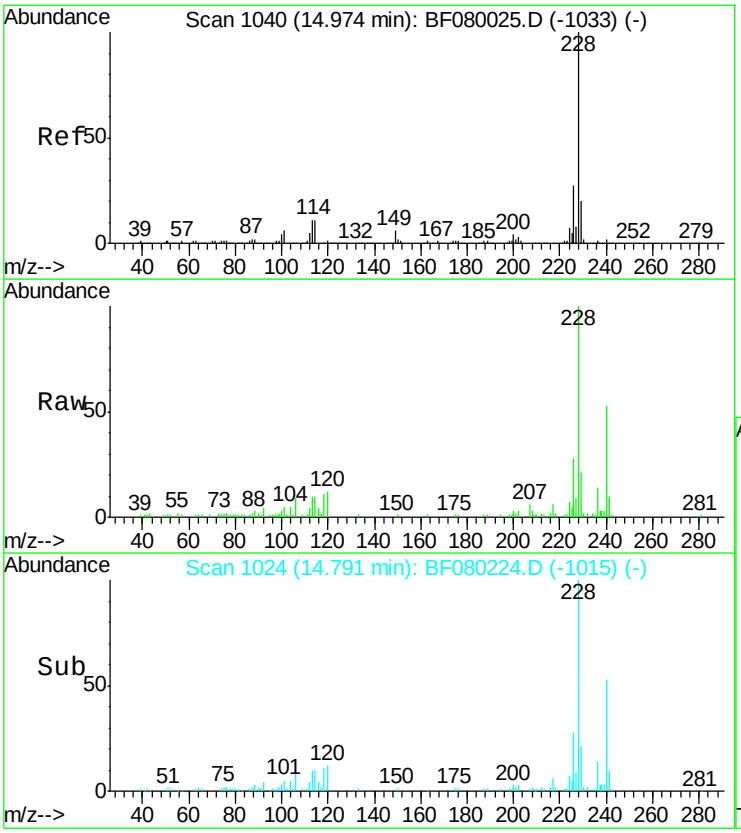

#78
Terphenyl-d14
Concen: 80.38 ng
RT: 13.55 min Scan# 915
Delta R.T. -0.13 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:244 Resp: 455216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 4.3 | 6.5# |
| 122 | 8.1 | 17.4 | 26.2# |

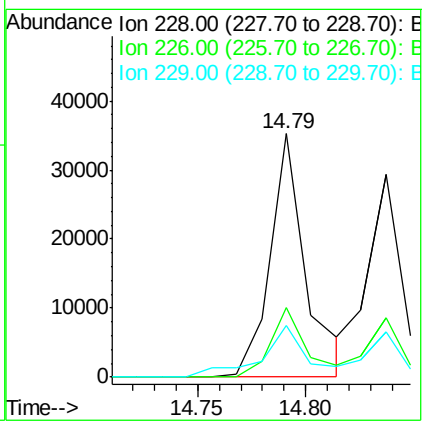


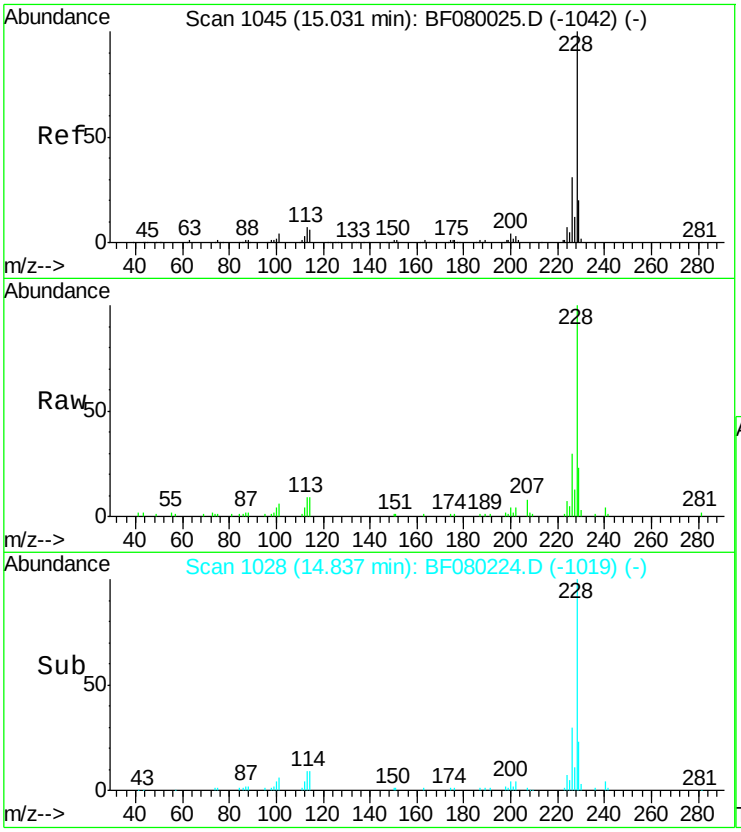




#80
Benzo(a)anthracene
Concen: 5.03 ng
RT: 14.79 min Scan# 1024
Delta R.T. -0.19 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:228 Resp: 40493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.4 | 20.0 | 30.0 |
| 229 | 21.2 | 15.4 | 23.2 |



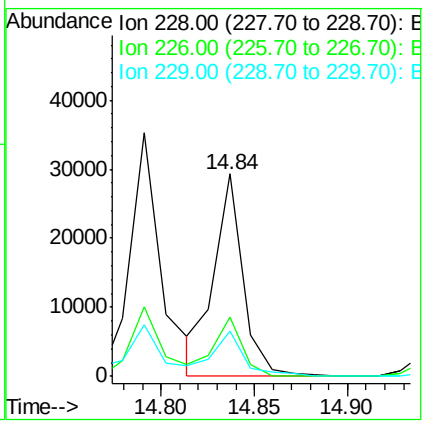


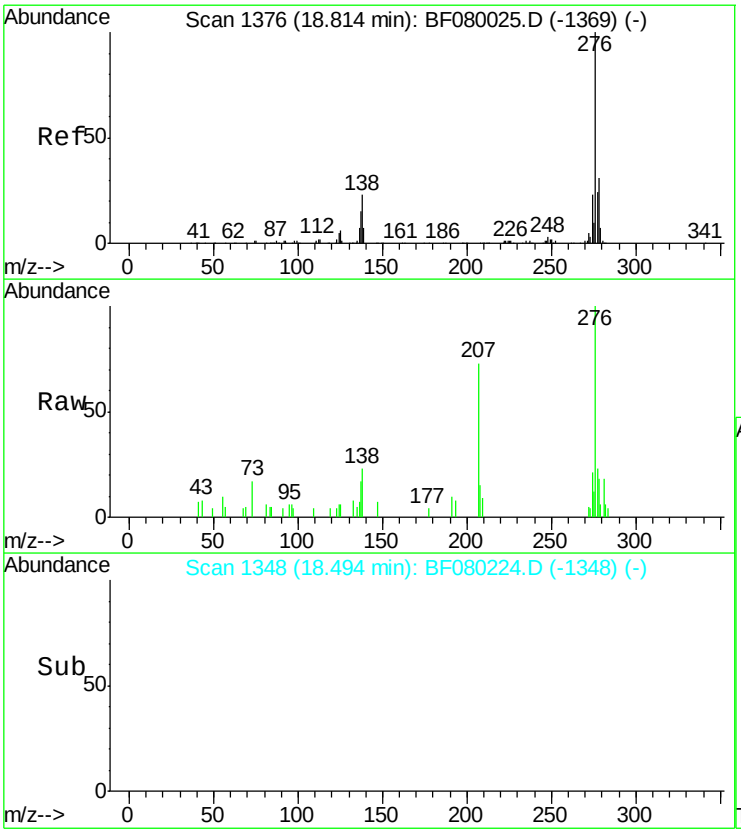

#82
Chrysene
Concen: 4.31 ng
RT: 14.84 min Scan# 1028
Delta R.T. -0.19 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:228 Resp: 31998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 21.0 | 31.4 |
| 229 | 22.5 | 15.6 | 23.4 |

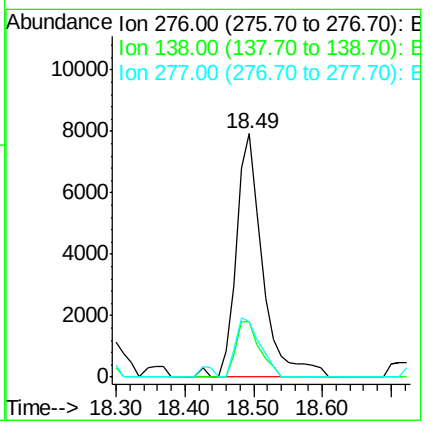


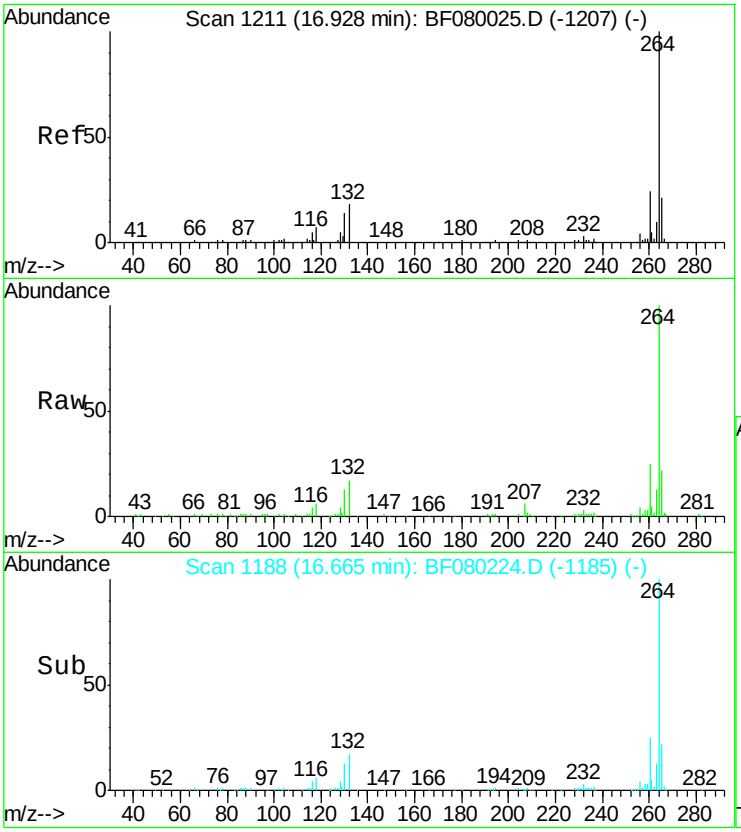




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.25 ng
RT: 18.49 min Scan# 1348
Delta R.T. -0.30 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:276 Resp: 21054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 25.7 | 38.5# |
| 277 | 22.7 | 15.6 | 23.4 |



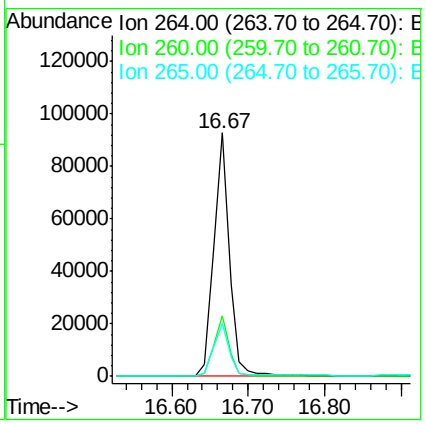


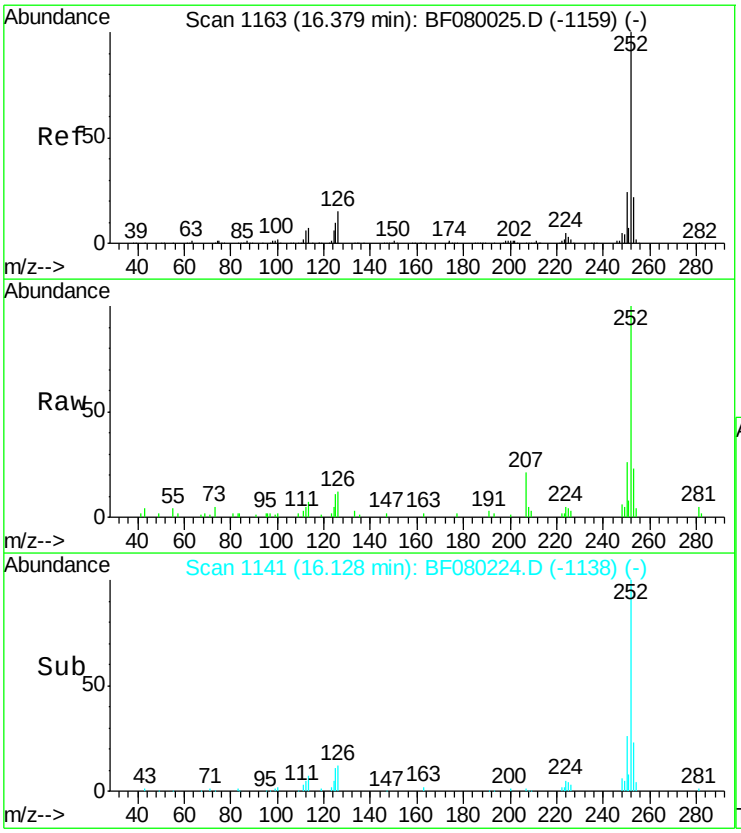

#86
Perylene-d12
Concen: 20.00 ng
RT: 16.67 min Scan# 1188
Delta R.T. -0.26 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:264 Resp: 131355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 16.7 | 25.1 |
| 265 | 21.5 | 17.2 | 25.8 |

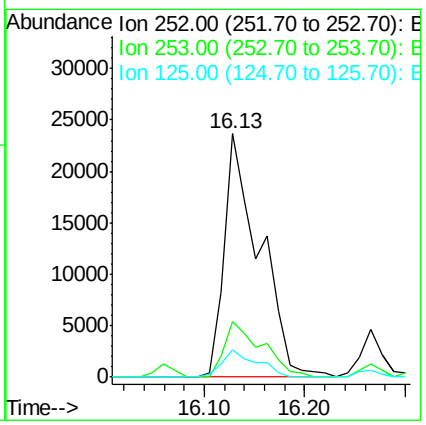


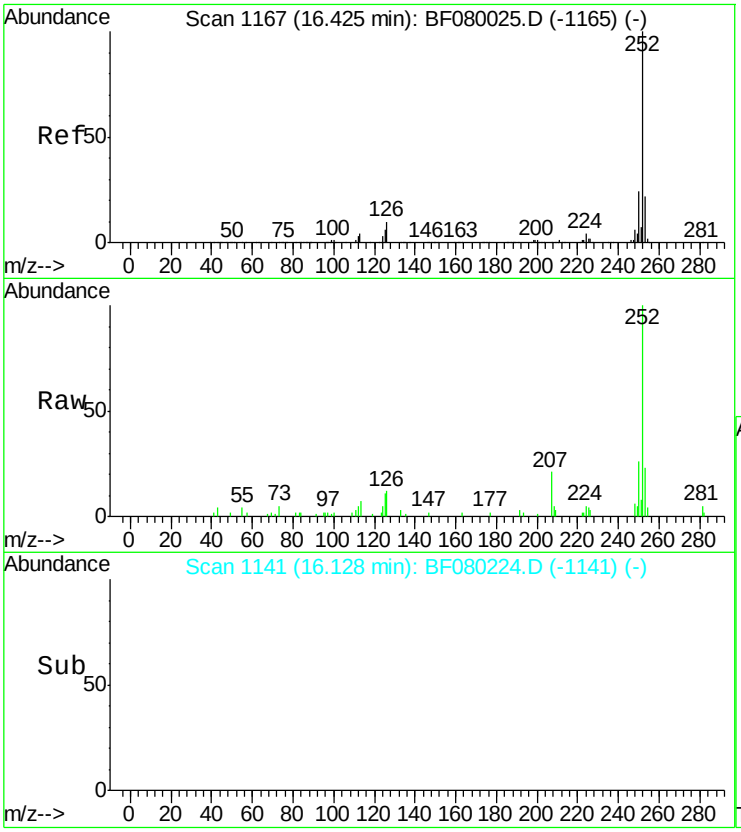




#87
Benzo(b)fluoranthene
Concen: 7.25 ng
RT: 16.13 min Scan# 1141
Delta R.T. -0.26 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:252 Resp: 57688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.5 | 26.3 |
| 125 | 11.1 | 17.1 | 25.7# |



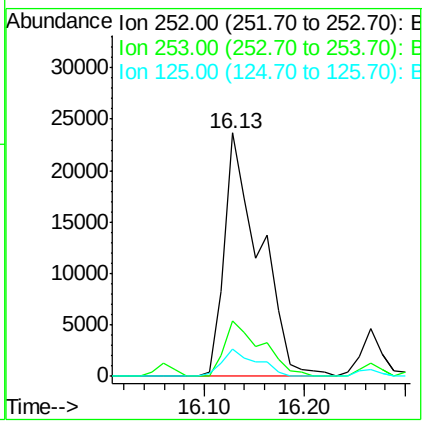


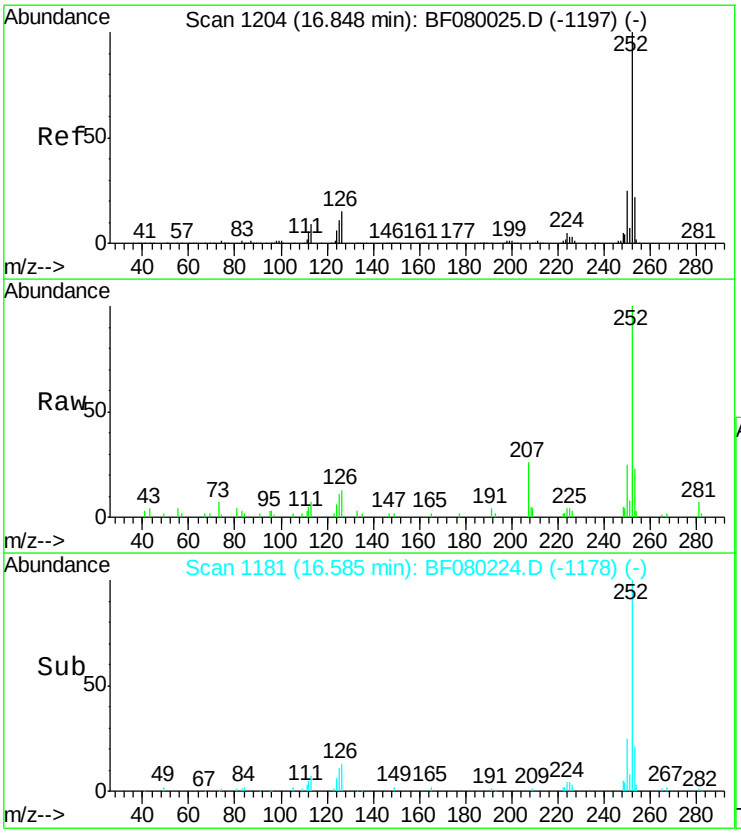

#88
Benzo(k)fluoranthene
Concen: 7.12 ng
RT: 16.13 min Scan# 1141
Delta R.T. -0.30 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:252 Resp: 57688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.0 | 25.4 |
| 125 | 11.1 | 16.0 | 24.0# |

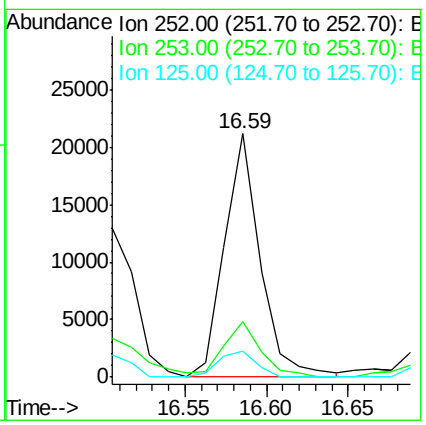


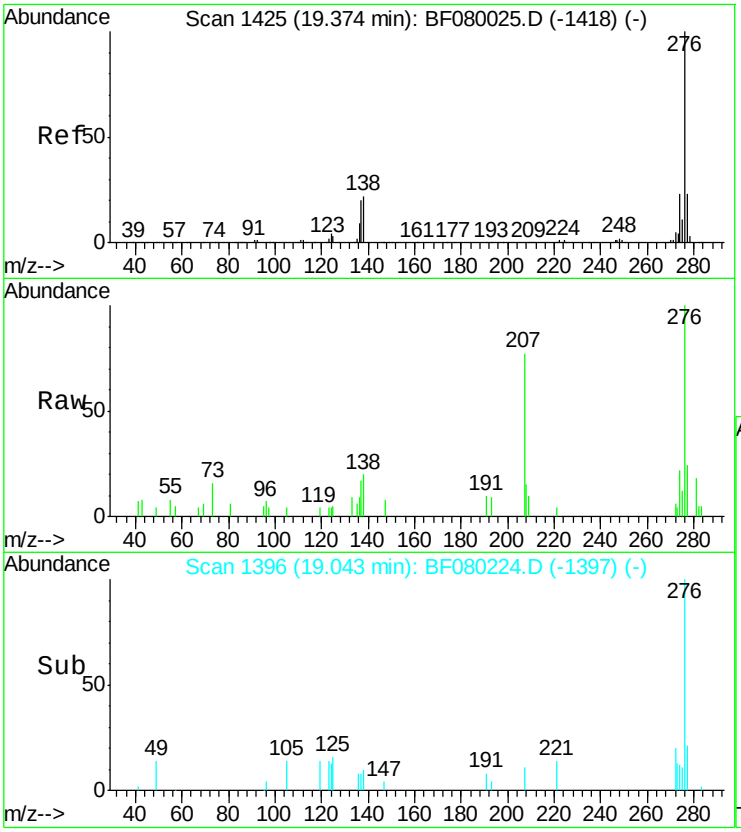




#89
Benzo(a)pyrene
Concen: 4.24 ng
RT: 16.59 min Scan# 1181
Delta R.T. -0.26 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:252 Resp: 32009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.2 | 25.8 |
| 125 | 10.9 | 18.0 | 27.0# |






#91
Benzo(g,h,i)perylene
Concen: 2.48 ng
RT: 19.04 min Scan# 1396
Delta R.T. -0.31 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-C1

Tgt Ion:276 Resp: 19364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.4 | 17.8 | 26.6 |
| 138 | 19.8 | 34.6 | 51.8# |