Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082416\
Data File : BG023883.D
Acq On : 24 Aug 2016 12:09
Operator : UM/SJ
Sample : PB93011TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB93011TB

Quant Time: Aug 24 17:37:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 147533 | 20.00 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.93 | 136 | 587022 | 20.00 | ng | -0.03 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 360712 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.52 | 188 | 823900 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.84 | 240 | 933562 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 25.22 | 264 | 926582 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 832893 | 95.03 | ng | -0.03 |
| 7) Phenol-d6 | 7.25 | 99 | 1179300 | 86.39 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 799868 | 67.74 | ng | -0.03 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 418784 | 79.37 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 13.38 | 172 | 1540352 | 72.03 | ng | -0.02 |
| 78) Terphenyl-d14 | 20.14 | 244 | 2096890 | 66.01 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 7.26 | 77 | 2664 | Below Cal | # | 8 |
| 32) Benzoic acid | 10.22 | 122 | 142 | 6.46 | ng | # 1 |
| 73) Di-n-butylphthalate | 18.48 | 149 | 1567 | Below Cal | # | 50 |
| 74) Fluoranthene | 19.55 | 202 | 66 | Below Cal | # | 60 |
| 77) Pyrene | 20.14 | 202 | 10115 | Below Cal | # | 68 |

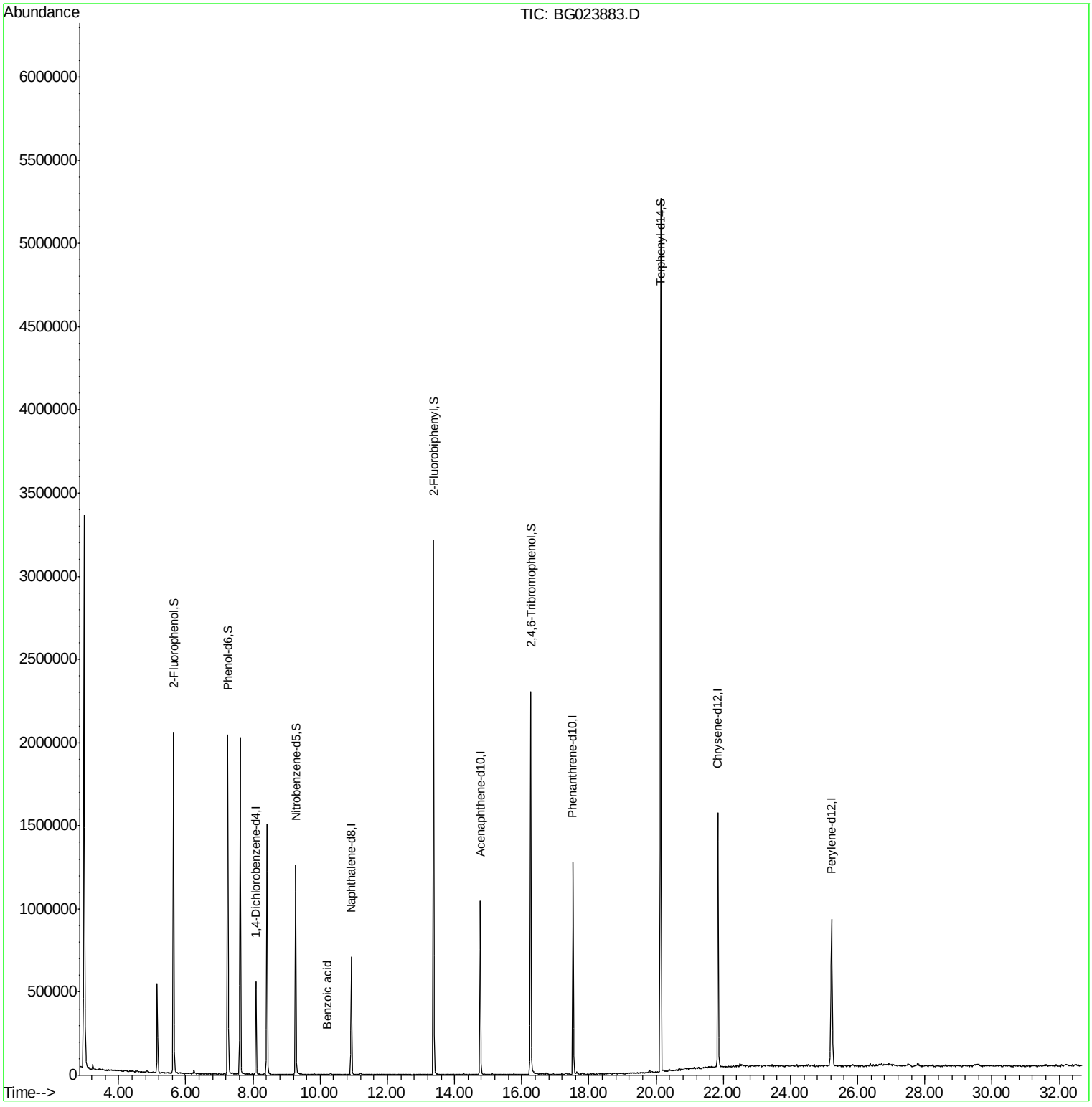
(#) = qualifier out of range (m) = manual integration (+) = signals summed

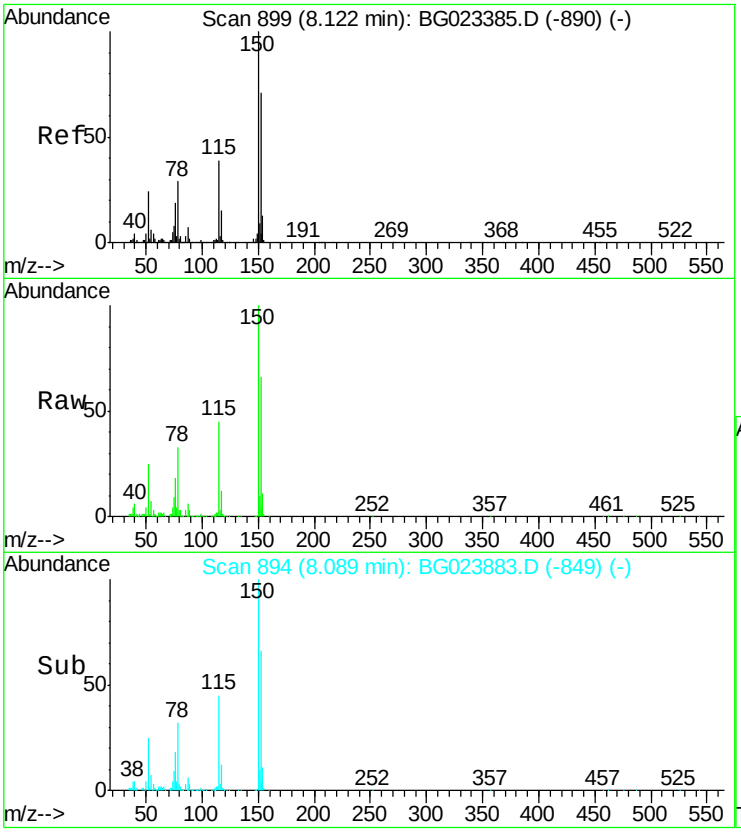
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082416\
Data File : BG023883.D
Acq On : 24 Aug 2016 12:09
Operator : UM/SJ
Sample : PB93011TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Quant Time: Aug 24 17:37:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration



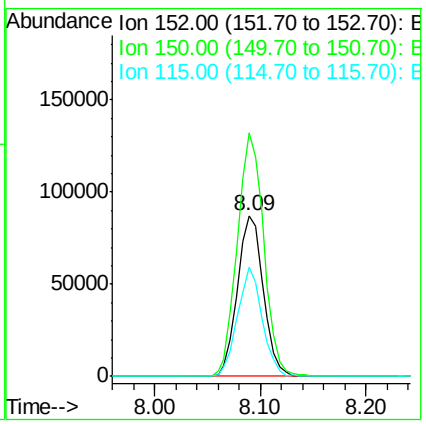


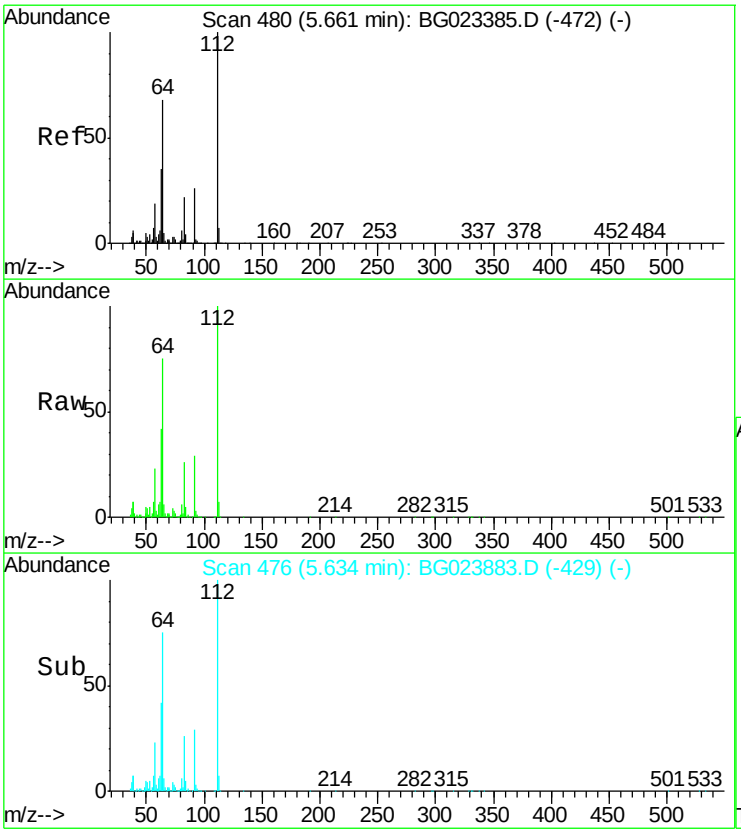

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.03 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion:152 Resp: 147533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 144.7 | 217.1 |
| 115 | 67.7 | 64.0 | 96.0 |

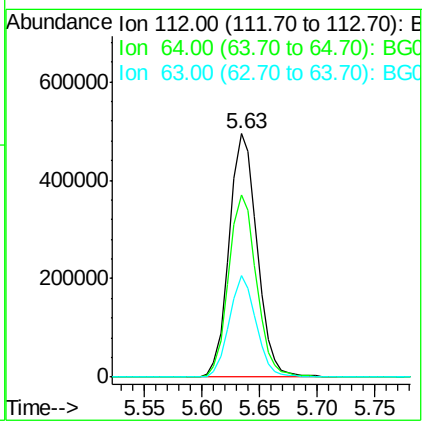


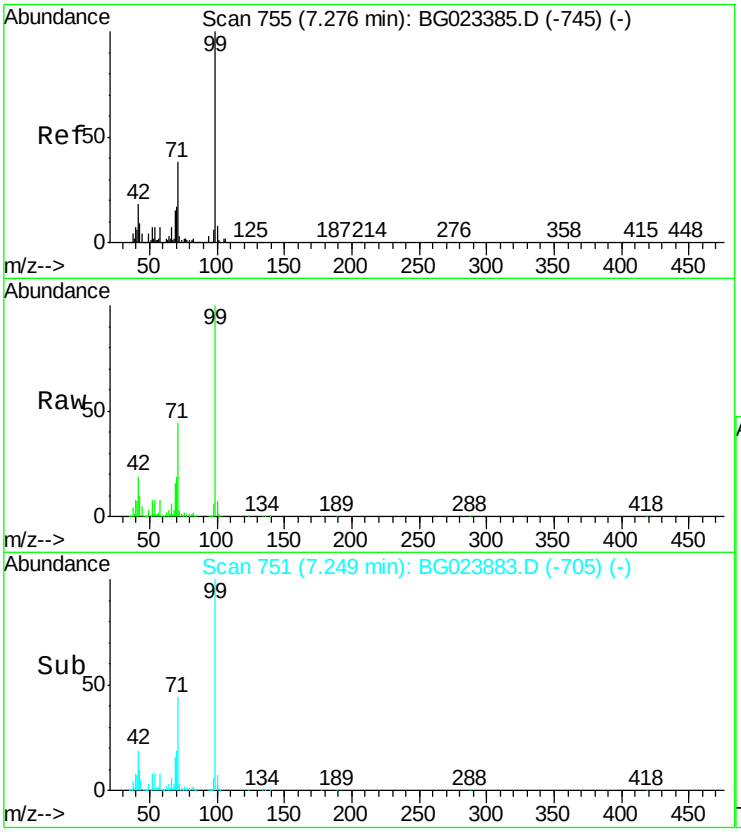




#5
2-Fluorophenol
Concen: 95.03 ng
RT: 5.63 min Scan# 476
Delta R.T. -0.03 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:112 Resp: 832893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 75.1 | 59.0 | 88.4 |
| 63 | 41.6 | 37.8 | 56.8 |



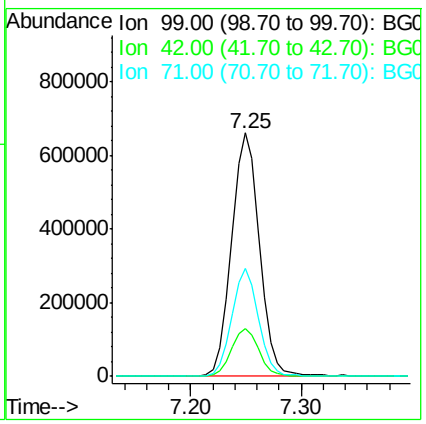


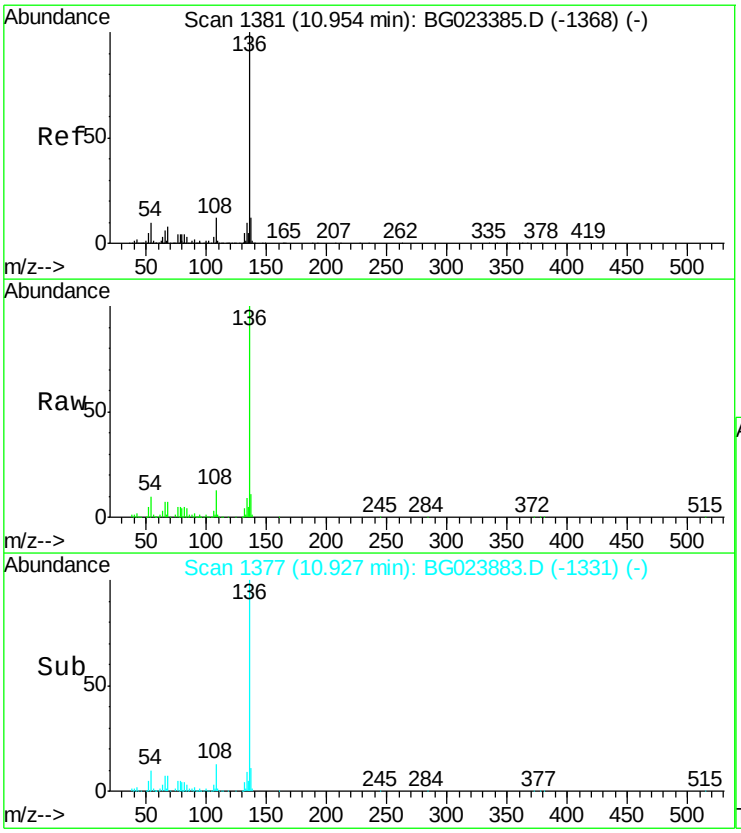

#7
Phenol-d6
Concen: 86.39 ng
RT: 7.25 min Scan# 751
Delta R.T. -0.03 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion: 99 Resp: 1179300

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 17.8 | 26.6 |
| 71 | 44.3 | 41.5 | 62.3 |

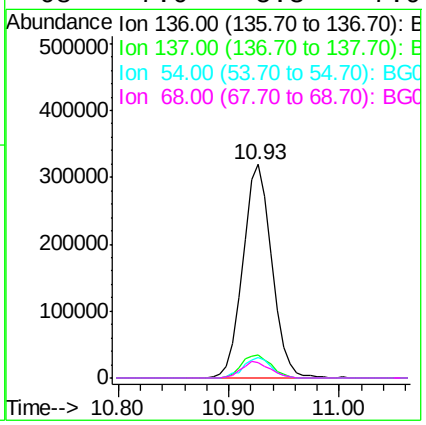


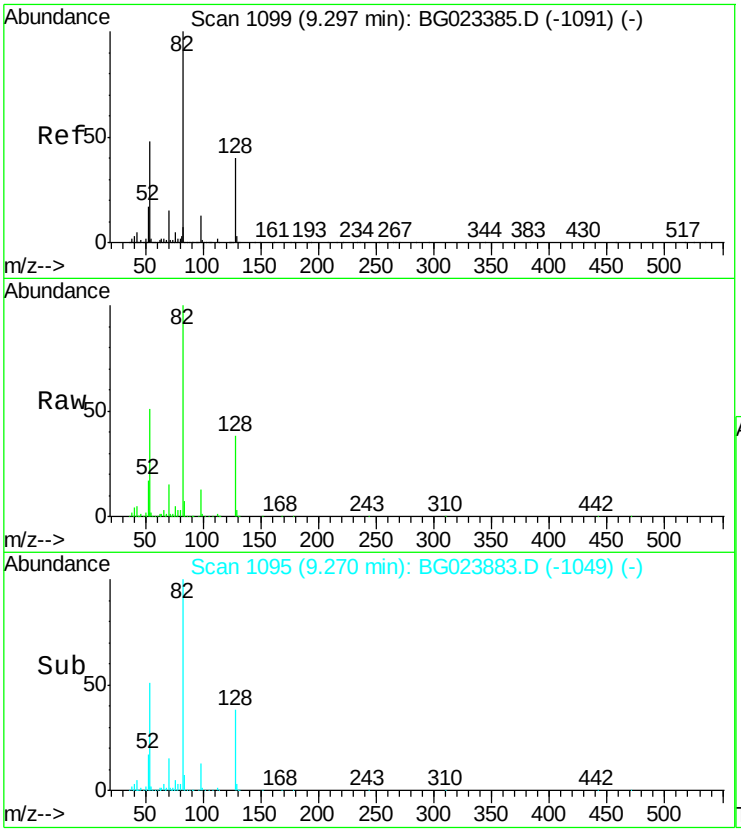




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.93 min Scan# 1377
Delta R.T. -0.03 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:136 Resp: 587022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.6 | 14.4 |
| 54 | 9.6 | 7.3 | 10.9 |
| 68 | 7.0 | 5.3 | 7.9 |



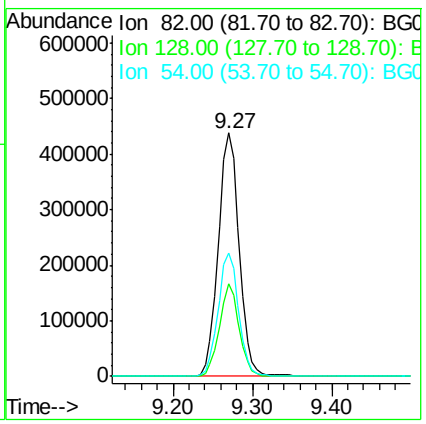


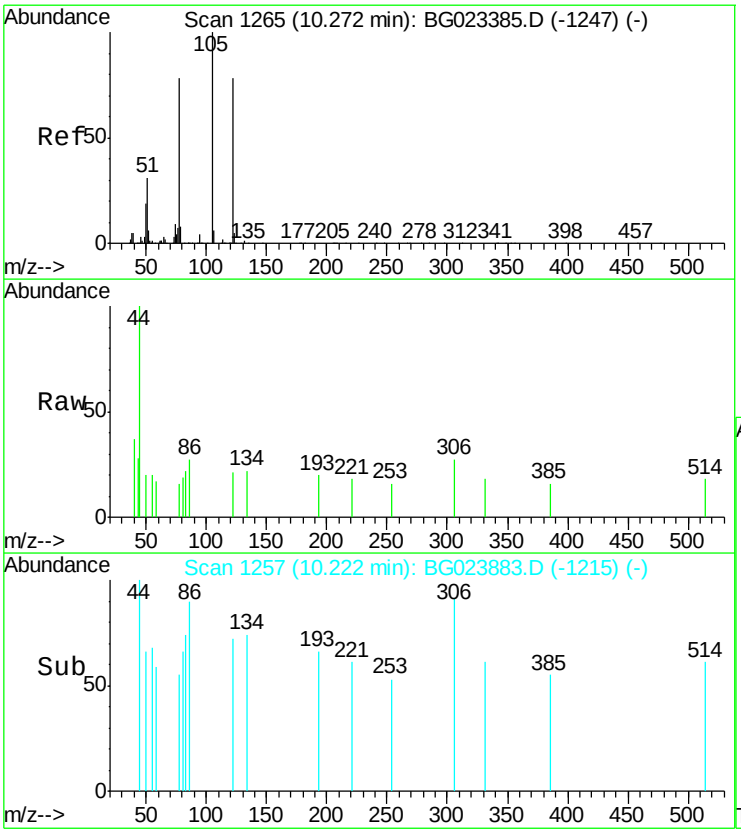

#23
Nitrobenzene-d5
Concen: 67.74 ng
RT: 9.27 min Scan# 1095
Delta R.T. -0.03 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion: 82 Resp: 799868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.8 | 24.4 | 36.6# |
| 54 | 50.5 | 41.4 | 62.0 |

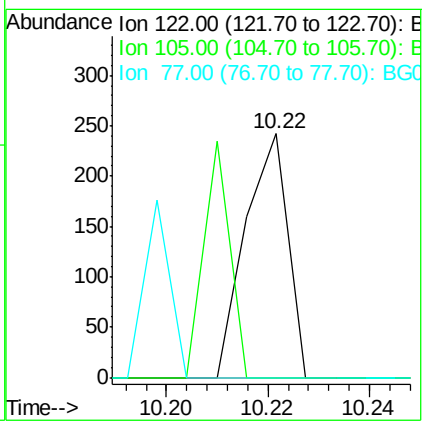


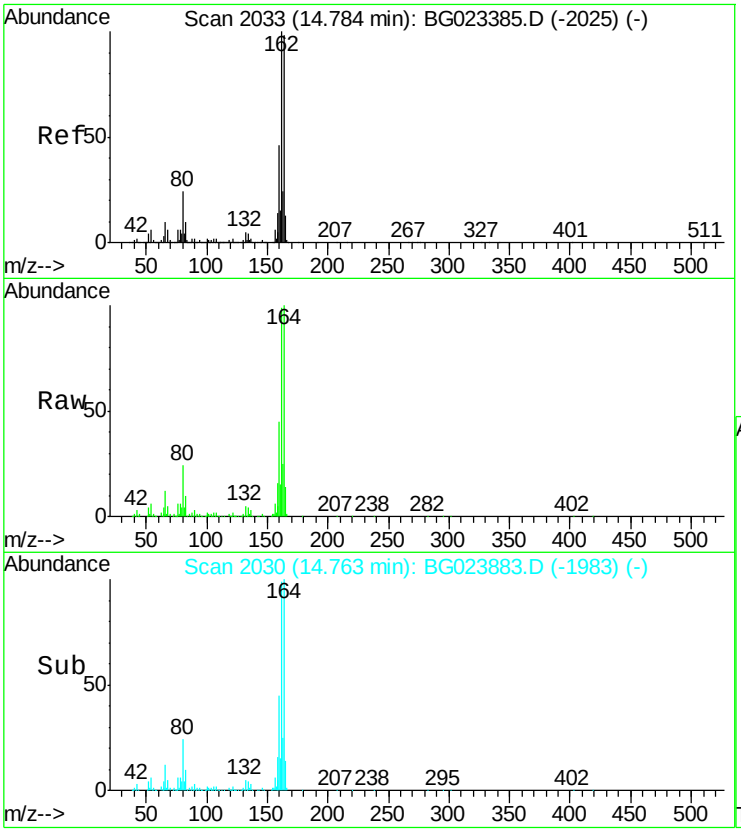




#32
Benzoic acid
Concen: 6.46 ng
RT: 10.22 min Scan# 1257
Delta R.T. -0.05 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:122 Resp: 142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 117.2 | 157.2# |
| 77 | 0.0 | 109.2 | 149.2# |



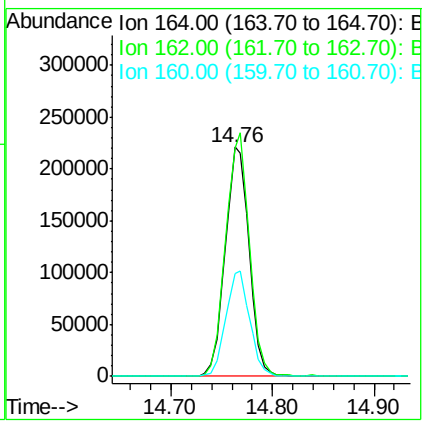


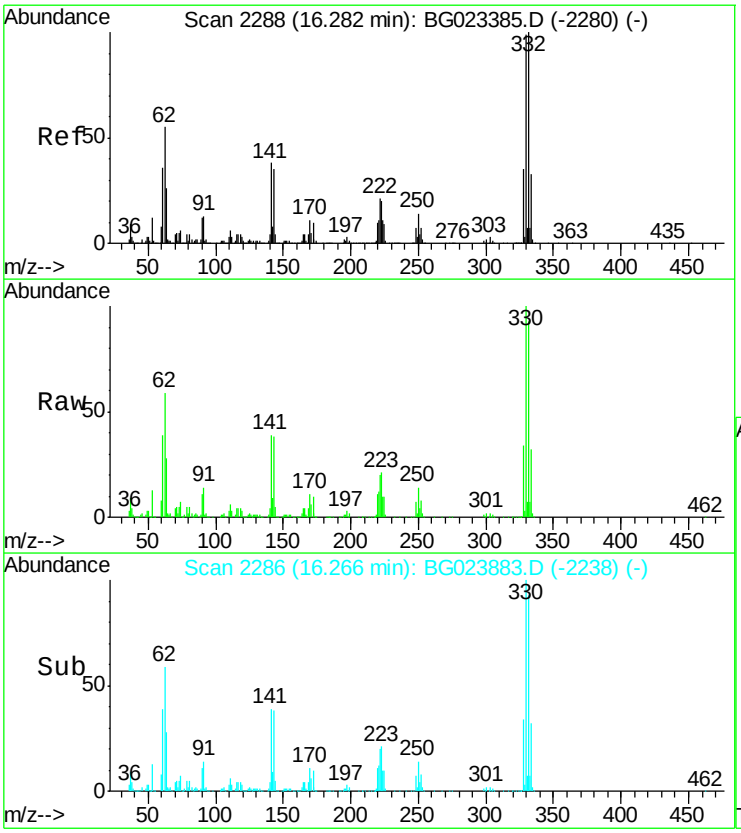

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion:164 Resp: 360712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 87.7 | 131.5 |
| 160 | 44.5 | 37.2 | 55.8 |

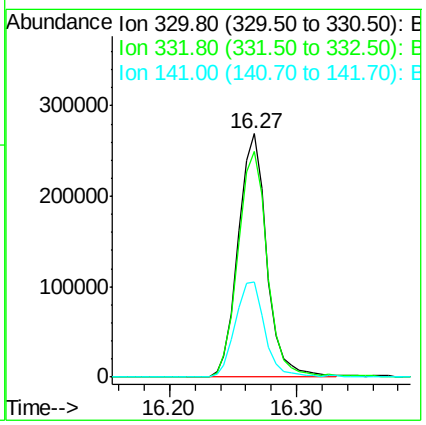


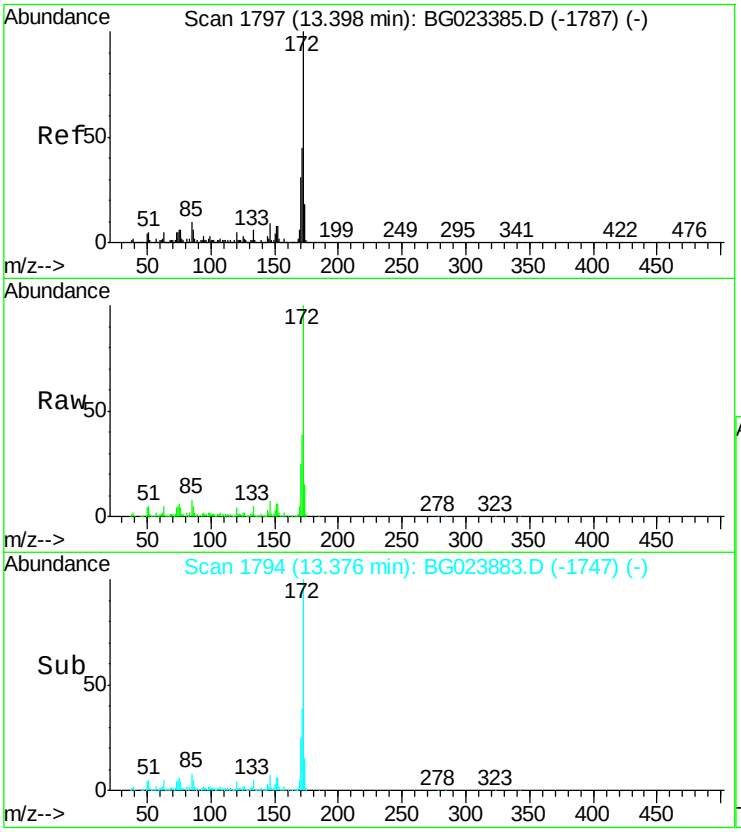




#41
2,4,6-Tribromophenol
Concen: 79.37 ng
RT: 16.27 min Scan# 2286
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:330 Resp: 418784

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.3 | 77.4 | 116.2 |
| 141 | 40.9 | 31.7 | 47.5 |



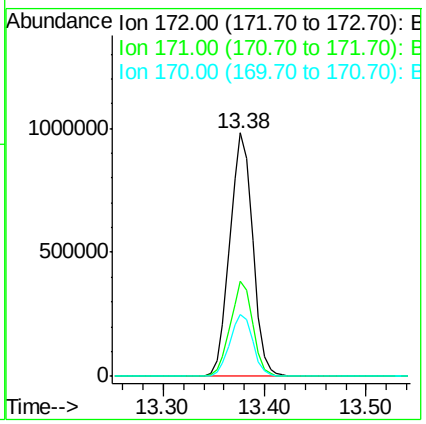


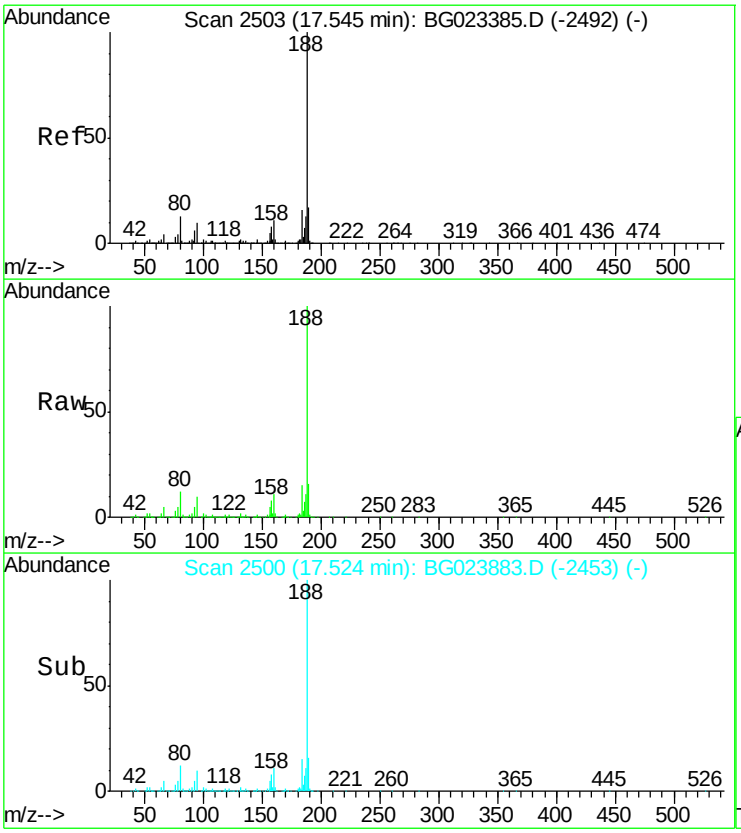

#44
2-Fluorobiphenyl
Concen: 72.03 ng
RT: 13.38 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion:172 Resp: 1540352

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.8 | 31.6 | 47.4 |
| 170 | 25.4 | 21.3 | 31.9 |

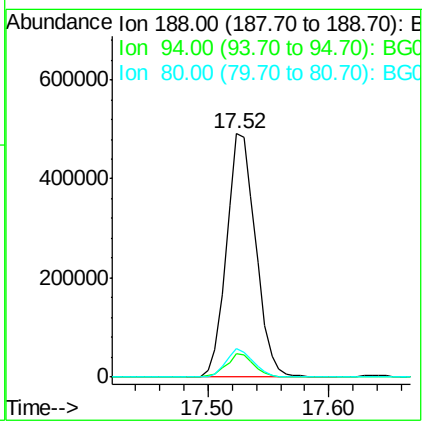


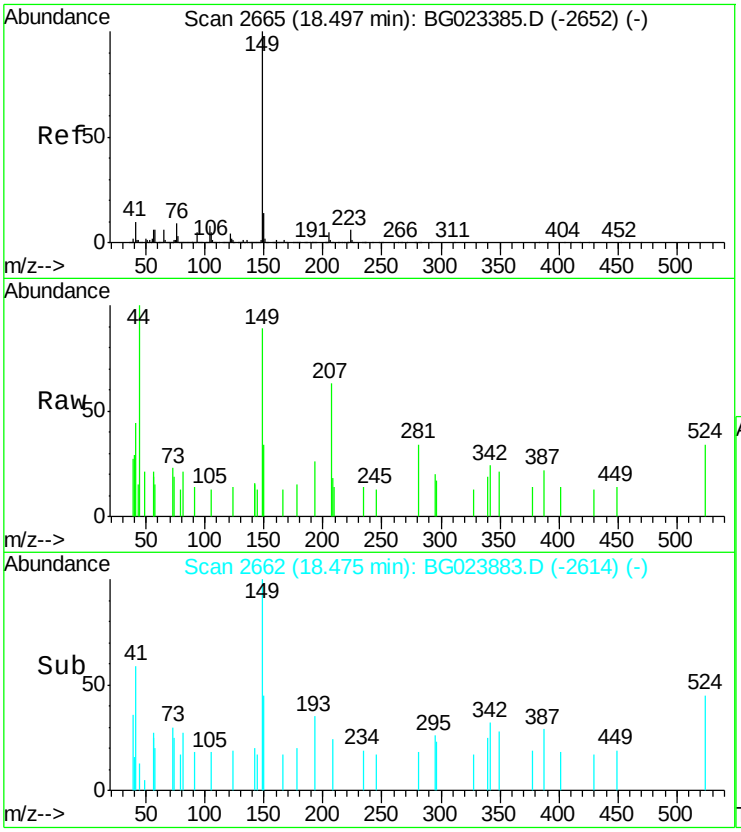




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.52 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:188 Resp: 823900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 5.2 | 7.8# |
| 80 | 11.8 | 7.2 | 10.8# |



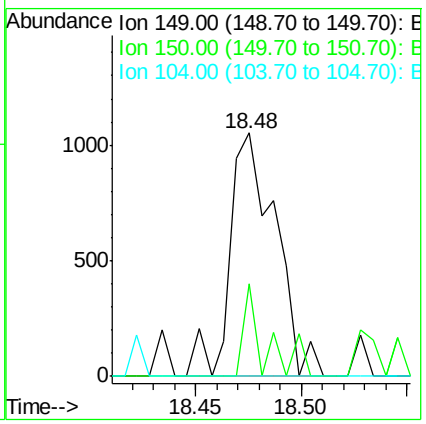


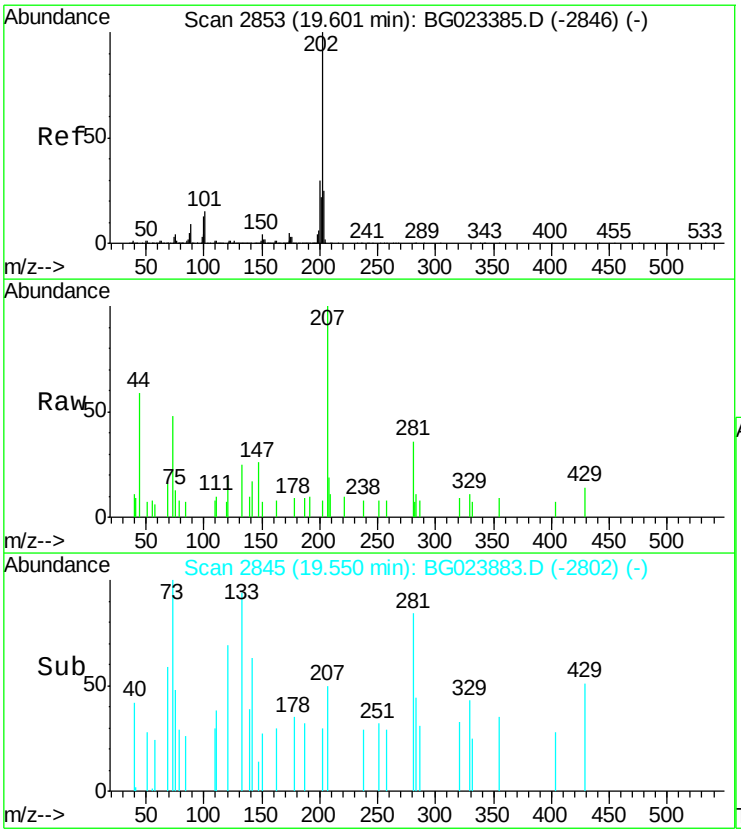

#73
Di-n-butylphthalate
Concen: Below Cal
RT: 18.48 min Scan# 2662
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion:149 Resp: 1567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 37.8 | 9.1 | 13.7# |
| 104 | 0.0 | 6.9 | 10.3# |

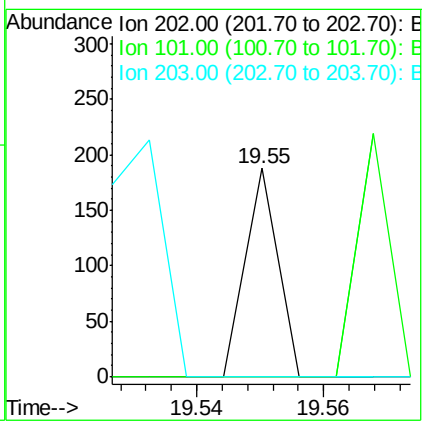


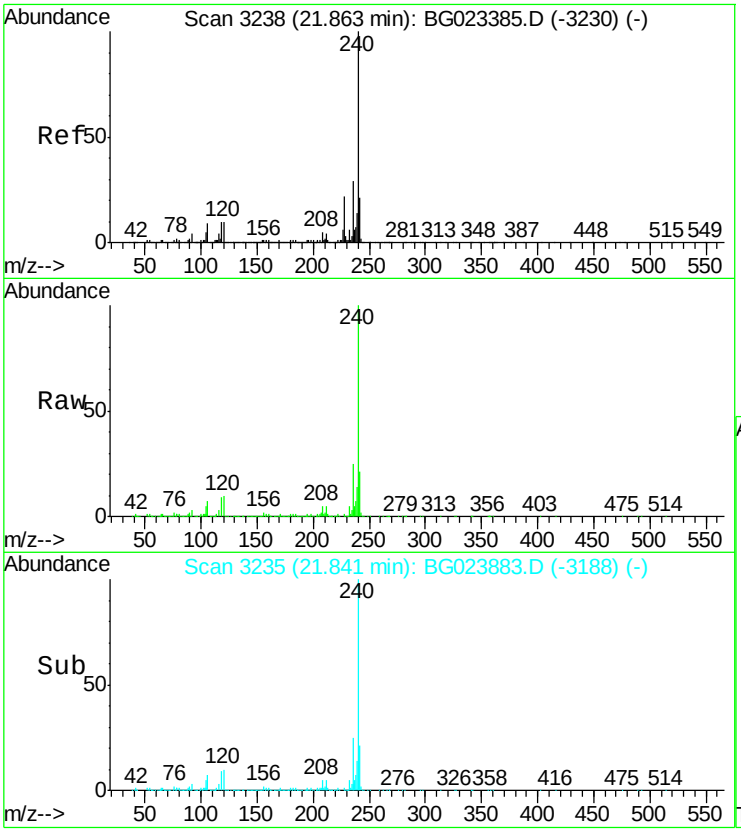




#74
Fluoranthene
Concen: Below Cal
RT: 19.55 min Scan# 2845
Delta R.T. -0.05 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:202 Resp: 66

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 27.4 |
| 203 | 0.0 | 1.7 | 41.7# |



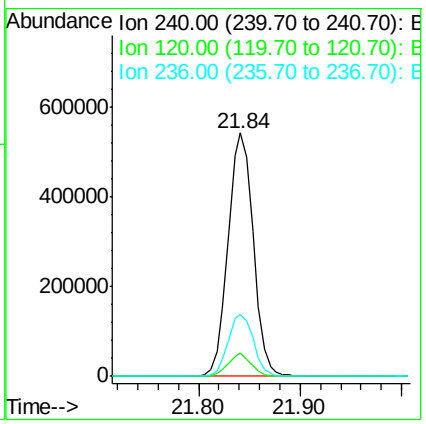


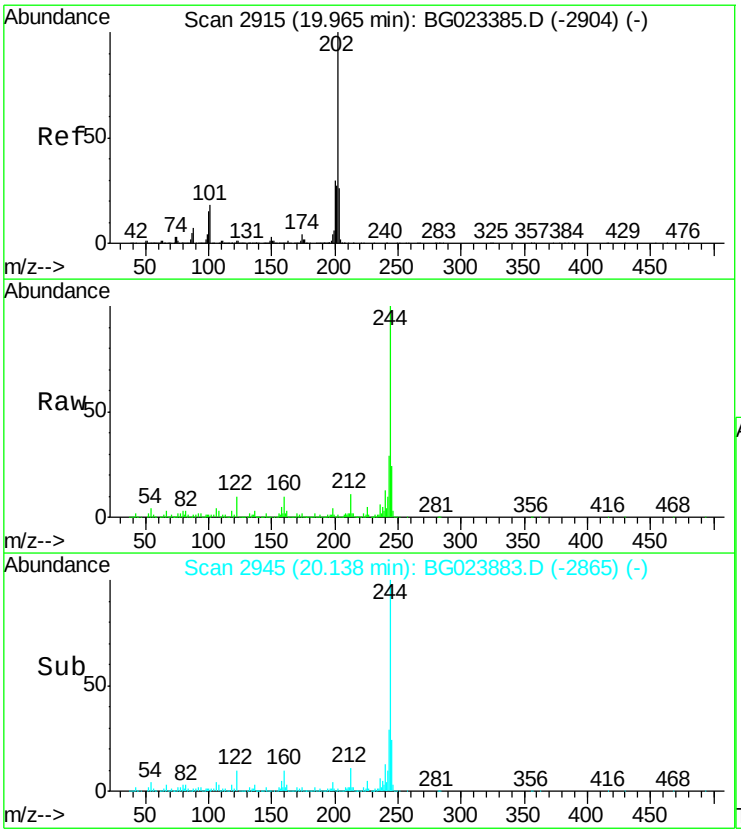

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3235
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion:240 Resp: 933562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.7 | 4.1 | 6.1# |
| 236 | 25.3 | 21.1 | 31.7 |

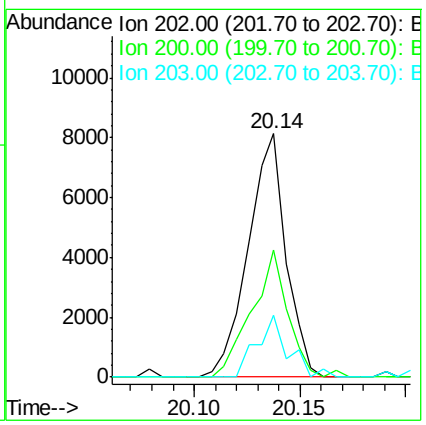


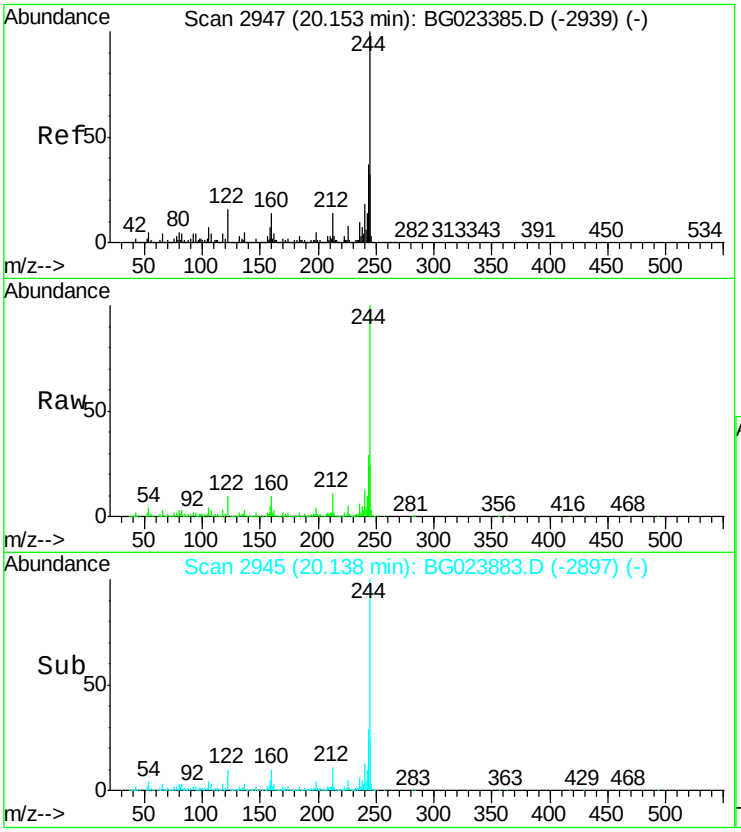




#77
Pyrene
Concen: Below Cal
RT: 20.14 min Scan# 2945
Delta R.T. 0.17 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:202 Resp: 10115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 52.2 | 21.2 | 31.8# |
| 203 | 25.2 | 16.8 | 25.2 |



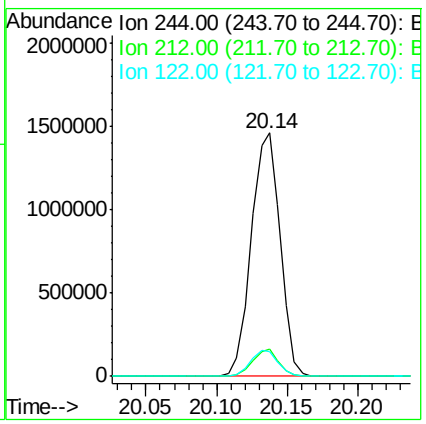


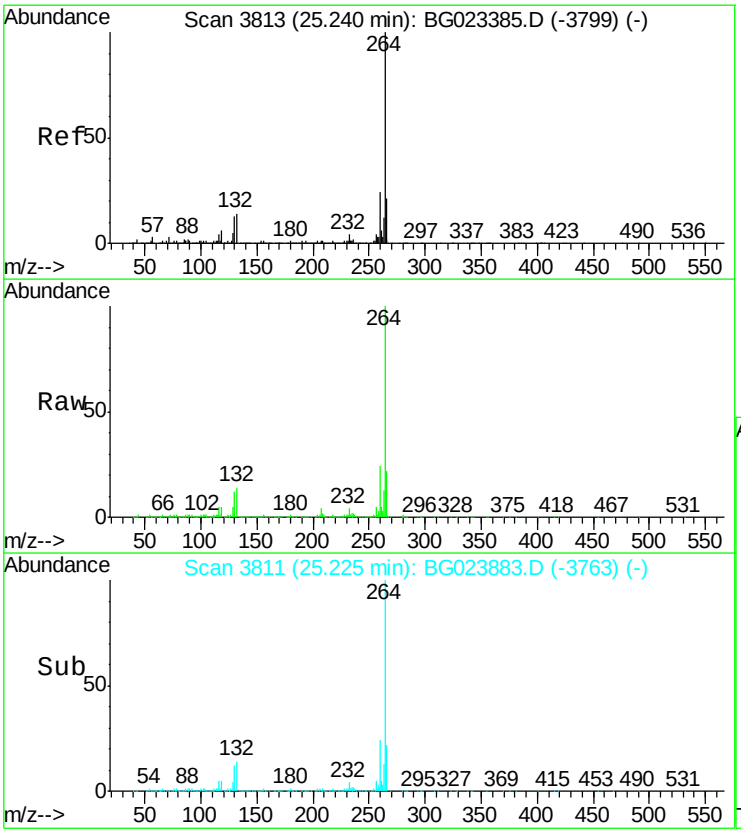

#78
Terphenyl-d14
Concen: 66.01 ng
RT: 20.14 min Scan# 2945
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

**Instrument :**
BNA_G
**ClientSampleId :**
PB93011TB

Tgt Ion:244 Resp: 2096890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 11.0 | 10.8 | 16.2 |
| 122 | 10.4 | 8.0 | 12.0 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.22 min Scan# 3811
Delta R.T. -0.02 min
Lab File: BG023883.D
Acq: 24 Aug 2016 12:09

Tgt Ion:264 Resp: 926582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.8 | 18.4 | 27.6 |
| 265 | 22.2 | 18.9 | 28.3 |