Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082316\
Data File : BG023861.D
Acq On : 23 Aug 2016 20:04
Operator : UM/SJ
Sample : H4556-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-18A(17-19)

Quant Time: Aug 24 01:20:29 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 | 98779 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.92 | 136 | 417572 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 261802 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.53 | 188 | 606097 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.84 | 240 | 664916 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 25.22 | 264 | 655174 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 857425 | 146.11 | ng | | -0.03 |
| 7) Phenol-d6 | 7.25 | 99 | 1244620 | 136.17 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 857052 | 102.04 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 16.26 | 330 | 478236 | 124.89 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 1570414 | 101.18 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.13 | 244 | 2121713 | 104.18 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.25 | 77 | 2873 | Below Cal | | # | 8 |
| 10) Phenol | 7.28 | 94 | 22215 | 2.27 | ng | | 86 |
| 15) Benzyl Alcohol | 8.41 | 79 | 16640 | 2.40 | ng | # | 72 |
| 32) Benzoic acid | 10.38 | 122 | 79 | 6.45 | ng | # | 1 |
| 49) Dimethylphthalate | 14.21 | 163 | 366669 | 18.25 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.48 | 149 | 1145 | Below Cal | | # | 76 |
| 74) Fluoranthene | 19.59 | 202 | 475 | Below Cal | | # | 60 |
| 77) Pyrene | 19.95 | 202 | 555 | Below Cal | | # | 63 |

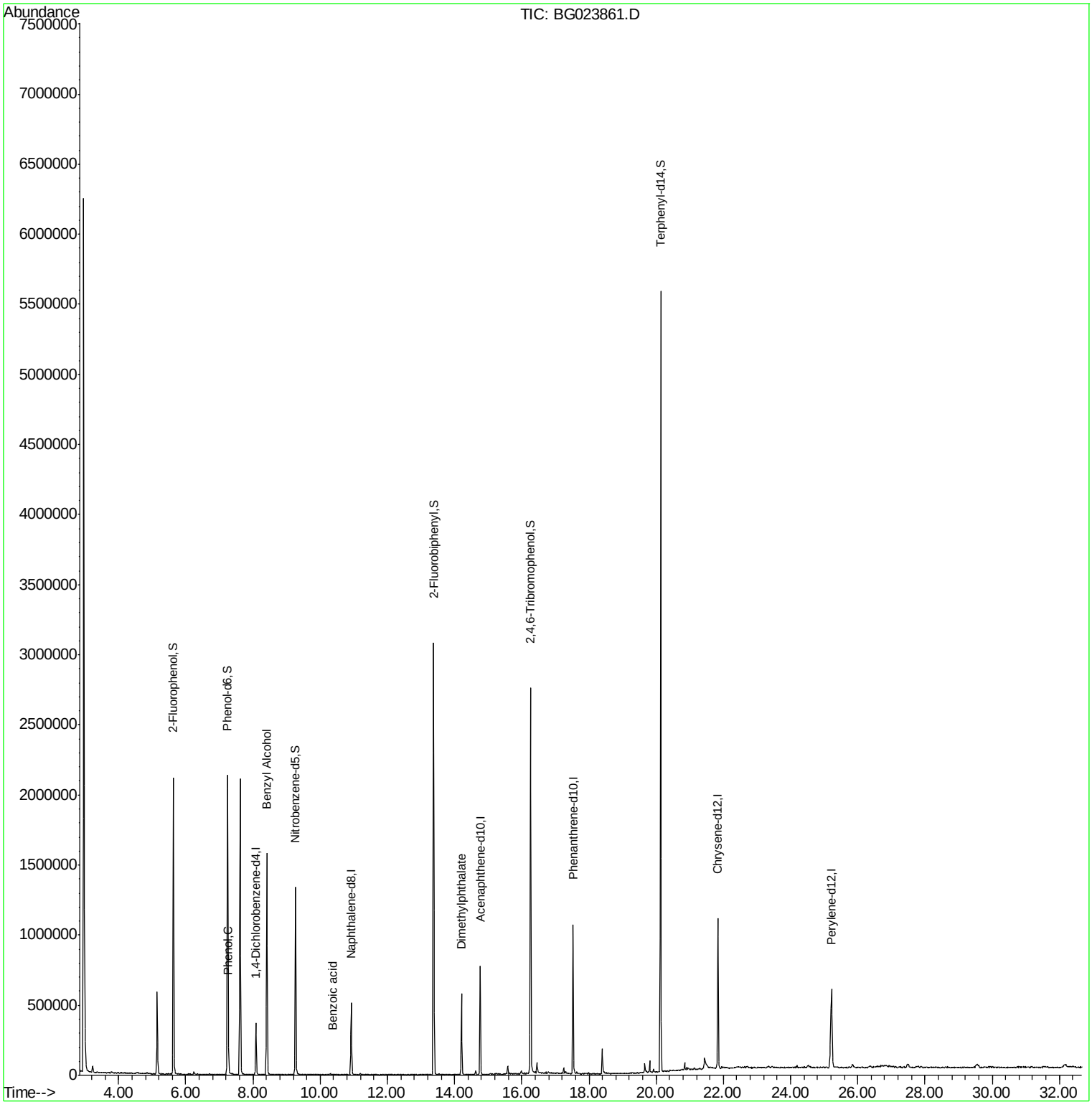
(#) = qualifier out of range (m) = manual integration (+) = signals summed

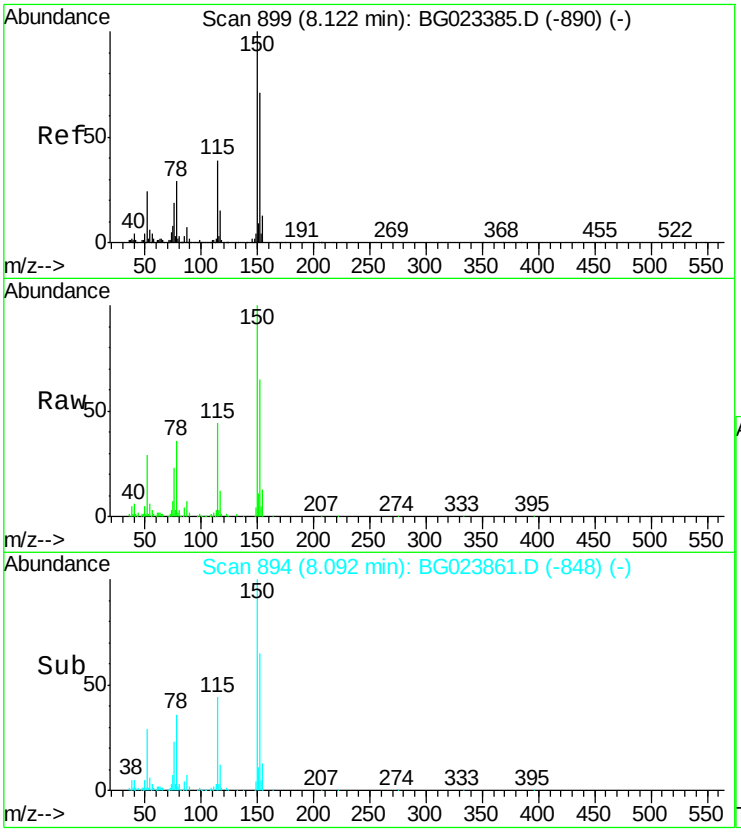
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082316\
Data File : BG023861.D
Acq On : 23 Aug 2016 20:04
Operator : UM/SJ
Sample : H4556-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Quant Time: Aug 24 01:20:29 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



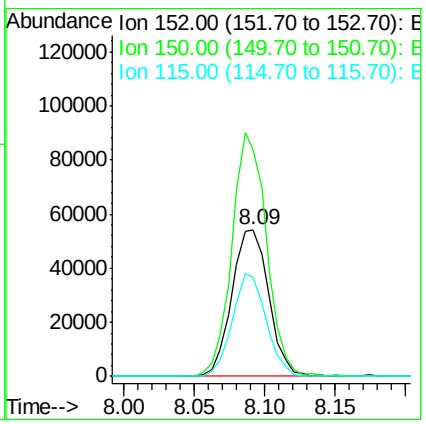


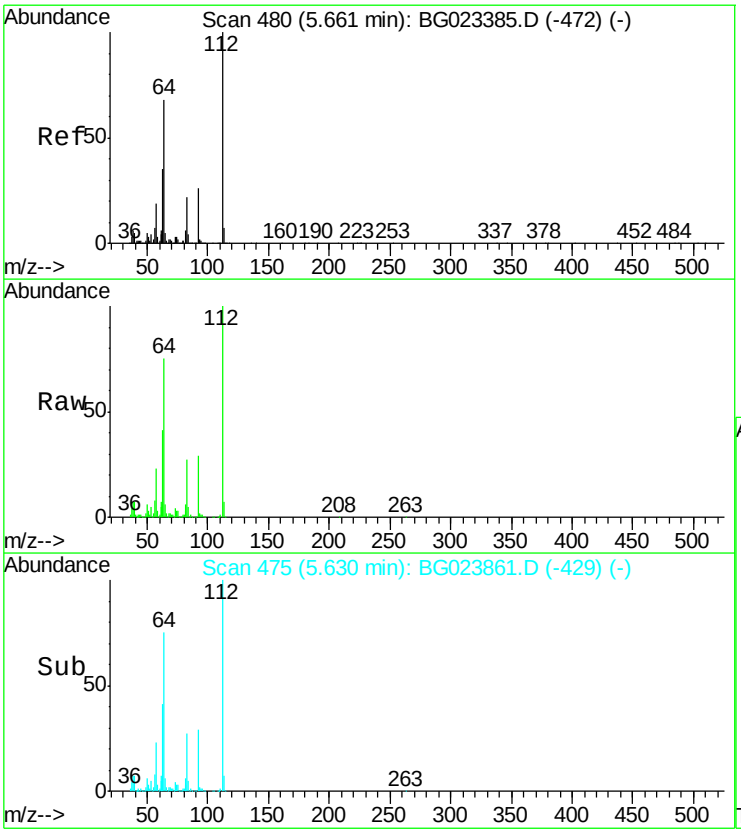

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.09 min Scan# 894
Delta R.T. -0.03 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:152 Resp: 98779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 144.7 | 217.1 |
| 115 | 67.8 | 64.0 | 96.0 |

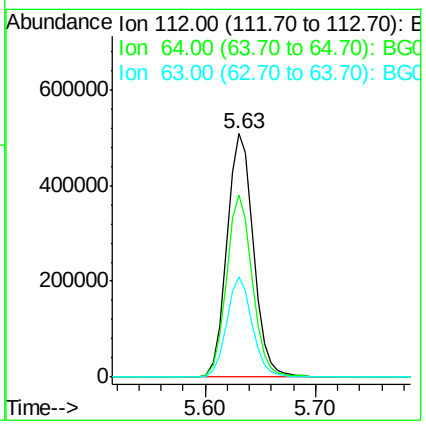


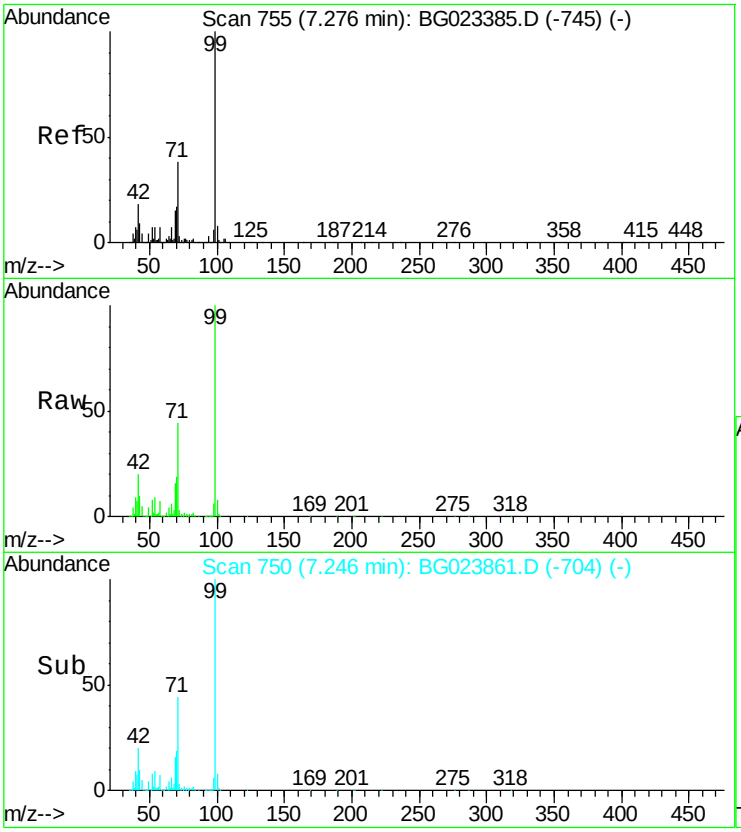




#5
2-Fluorophenol
Concen: 146.11 ng
RT: 5.63 min Scan# 475
Delta R.T. -0.03 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:112 Resp: 857425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 74.8 | 59.0 | 88.4 |
| 63 | 41.1 | 37.8 | 56.8 |



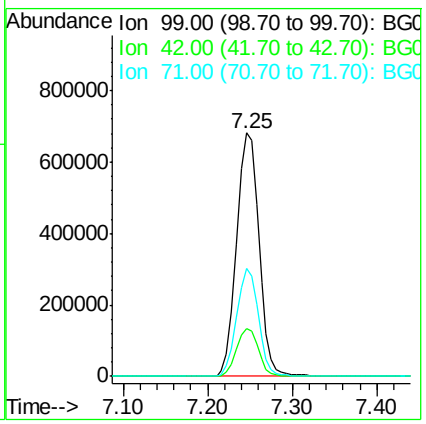


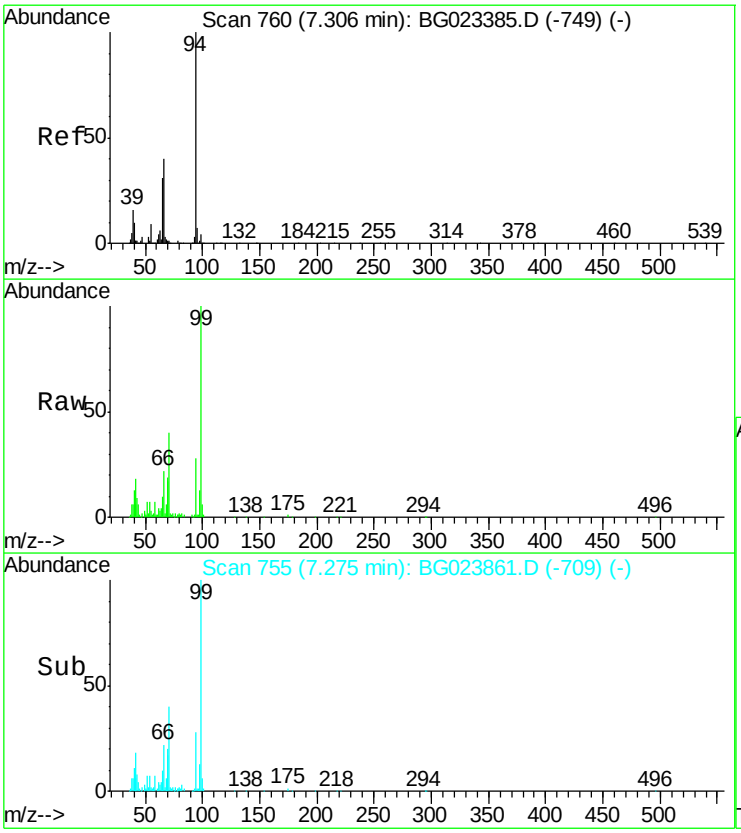

#7
Phenol-d6
Concen: 136.17 ng
RT: 7.25 min Scan# 750
Delta R.T. -0.03 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion: 99 Resp: 1244620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.8 | 17.8 | 26.6 |
| 71 | 44.1 | 41.5 | 62.3 |

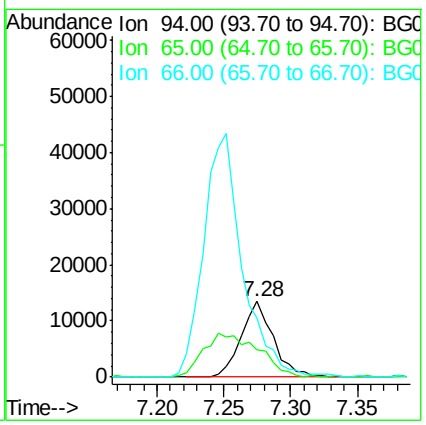


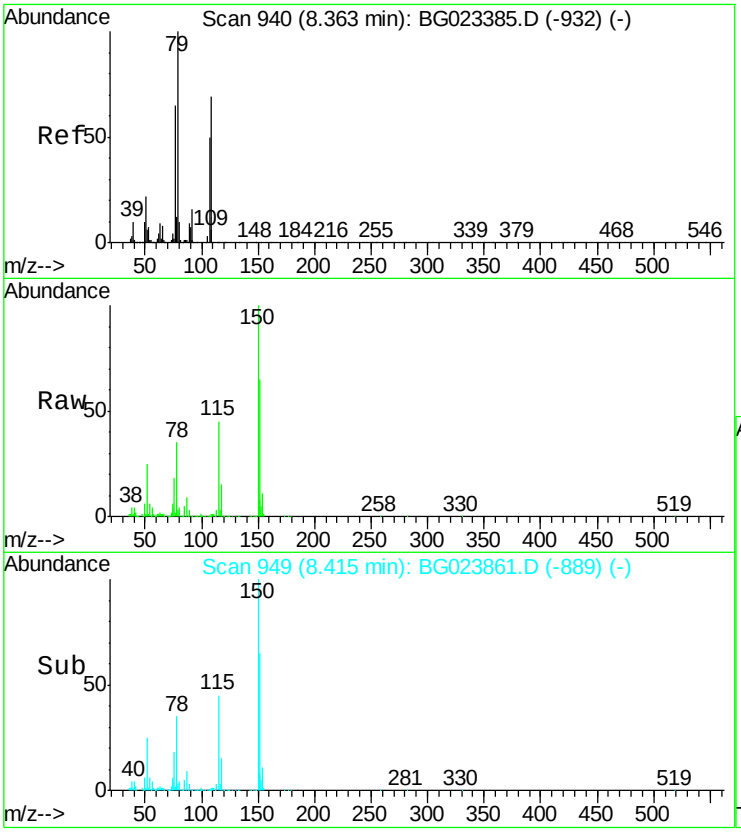




#10
Phenol
Concen: 2.27 ng
RT: 7.28 min Scan# 755
Delta R.T. -0.03 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion: 94 Resp: 22215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.3 | 18.1 | 58.1 |
| 66 | 77.5 | 42.1 | 82.1 |



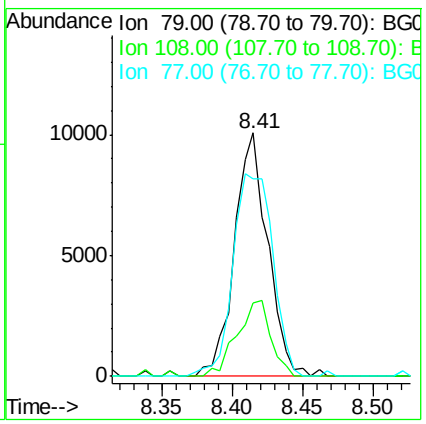


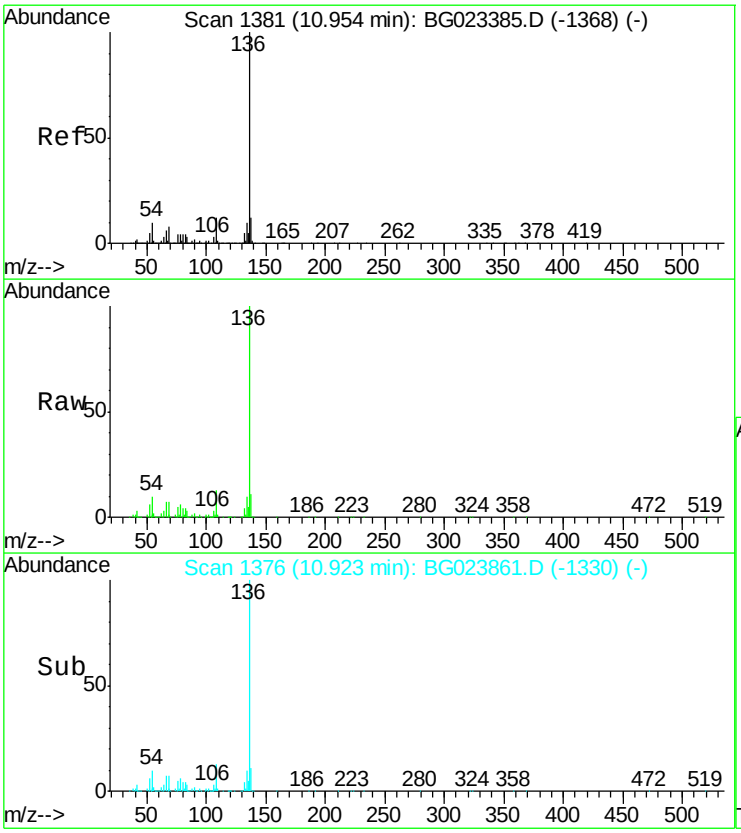

#15
Benzyl Alcohol
Concen: 2.40 ng
RT: 8.41 min Scan# 949
Delta R.T. 0.05 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion: 79 Resp: 16640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 30.1 | 46.5 | 69.7# |
| 77 | 81.1 | 52.3 | 78.5# |

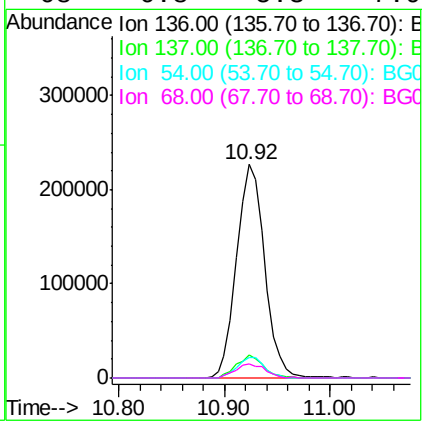


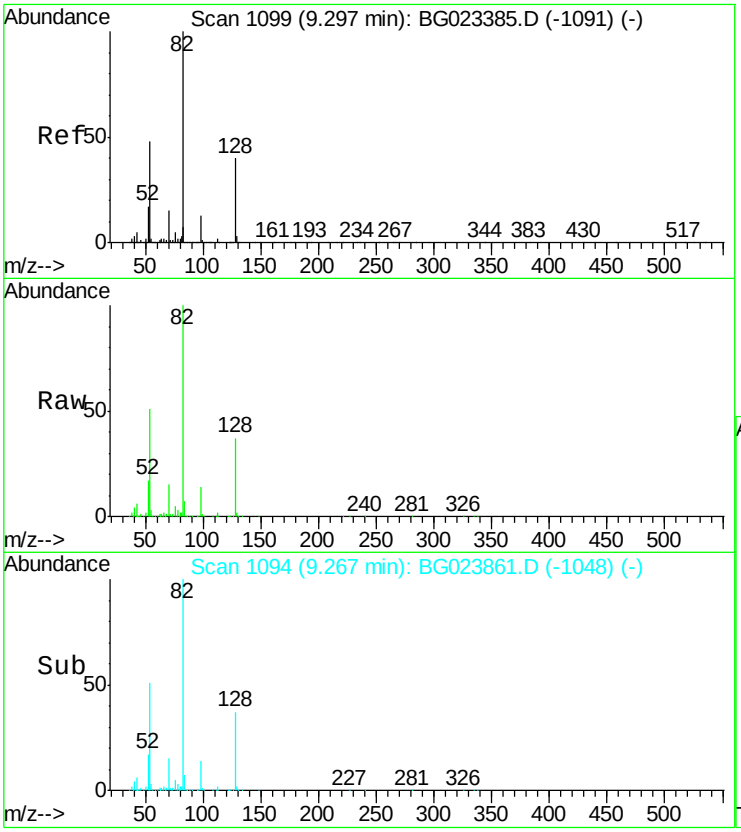




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.92 min Scan# 1376
Delta R.T. -0.03 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:136 Resp: 417572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.6 | 14.4 |
| 54 | 9.6 | 7.3 | 10.9 |
| 68 | 6.8 | 5.3 | 7.9 |



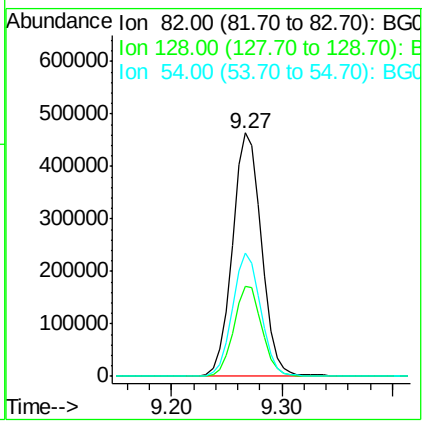


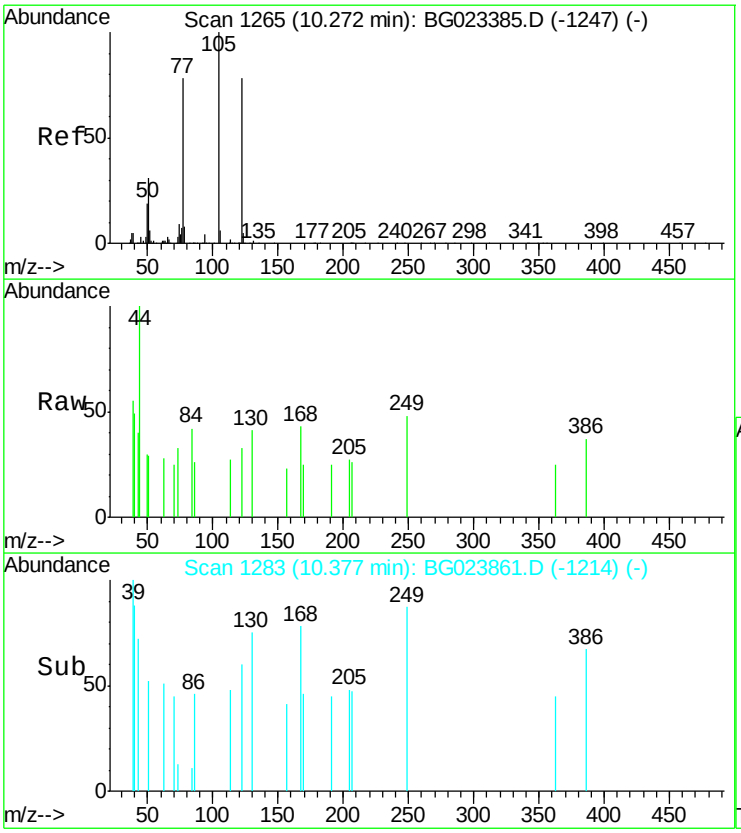

#23
Nitrobenzene-d5
Concen: 102.04 ng
RT: 9.27 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion: 82 Resp: 857052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.0 | 24.4 | 36.6# |
| 54 | 50.9 | 41.4 | 62.0 |

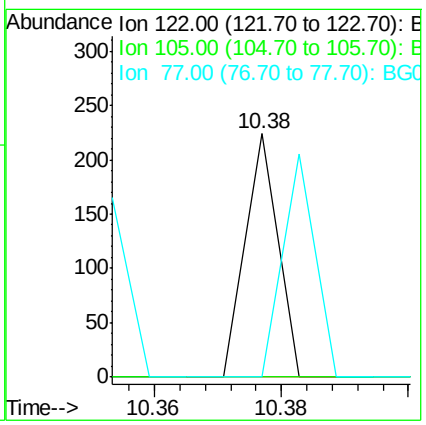


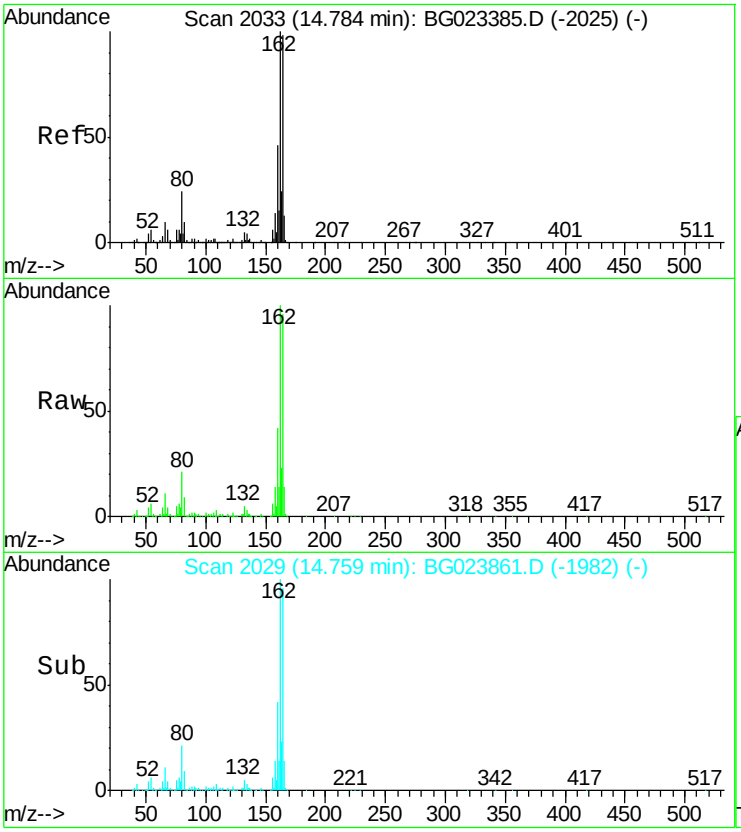




#32
Benzoic acid
Concen: 6.45 ng
RT: 10.38 min Scan# 1283
Delta R.T. 0.10 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:122 Resp: 79

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



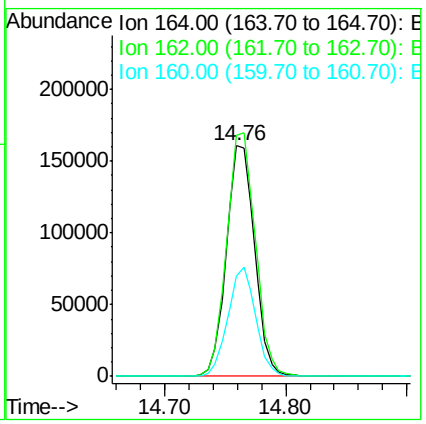


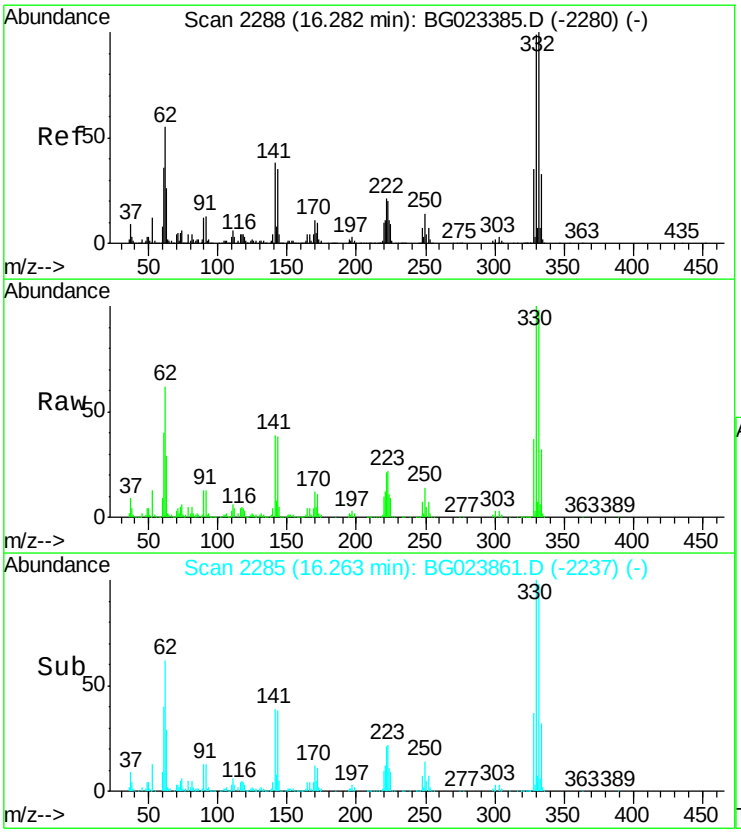

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:164 Resp: 261802

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.5 | 87.7 | 131.5 |
| 160 | 43.7 | 37.2 | 55.8 |

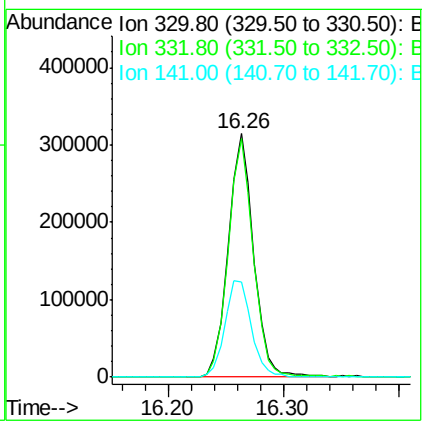


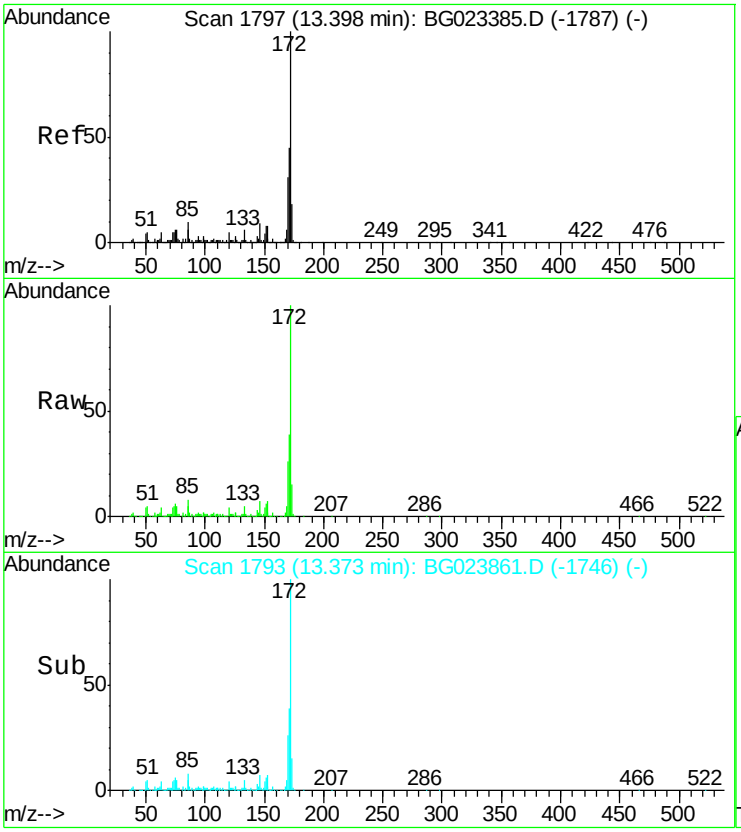




#41
2,4,6-Tribromophenol
Concen: 124.89 ng
RT: 16.26 min Scan# 2285
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:330 Resp: 478236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 77.4 | 116.2 |
| 141 | 41.8 | 31.7 | 47.5 |



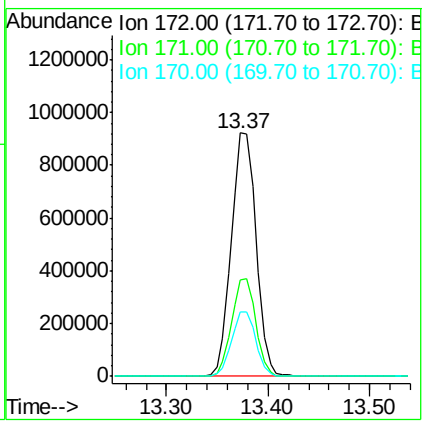


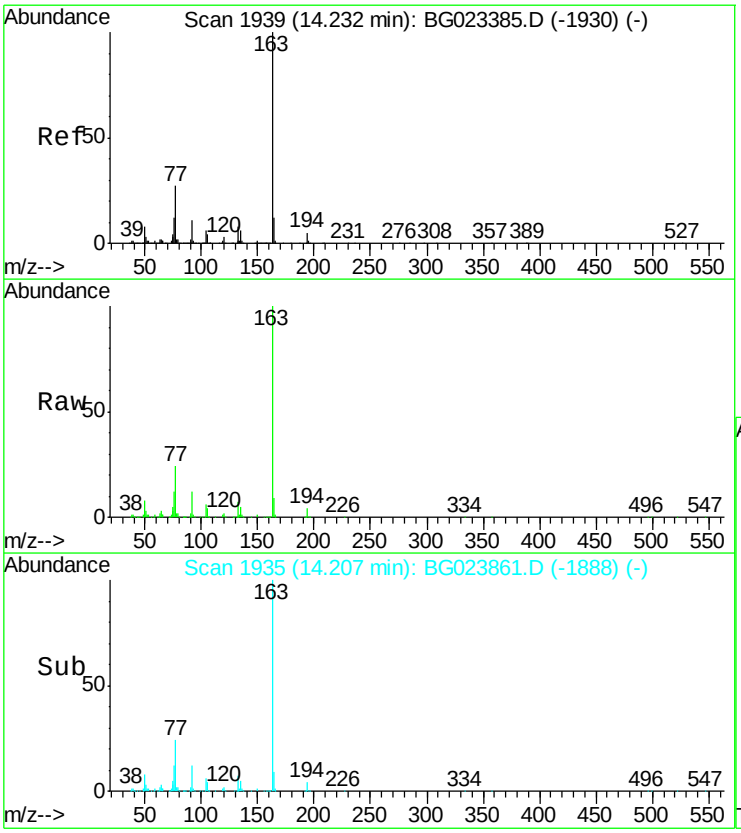

#44
2-Fluorobiphenyl
Concen: 101.18 ng
RT: 13.37 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:172 Resp: 1570414

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 39.4 | 31.6 | 47.4 |
| 170 | 26.5 | 21.3 | 31.9 |

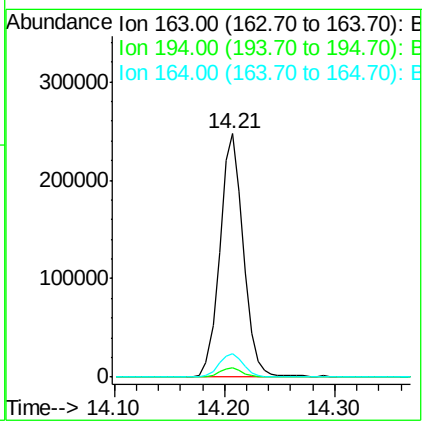


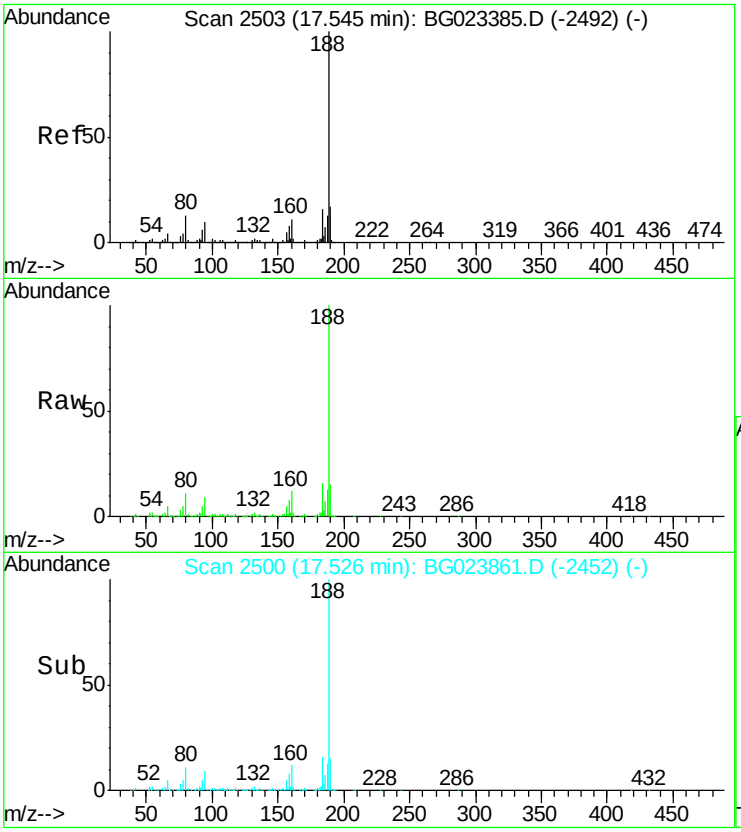




#49
Dimethylphthalate
Concen: 18.25 ng
RT: 14.21 min Scan# 1935
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:163 Resp: 366669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.6 | 5.4 |
| 164 | 9.4 | 8.1 | 12.1 |



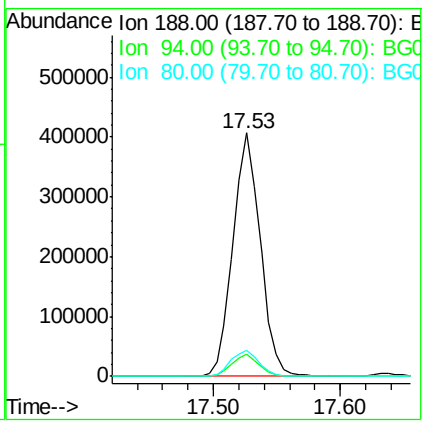


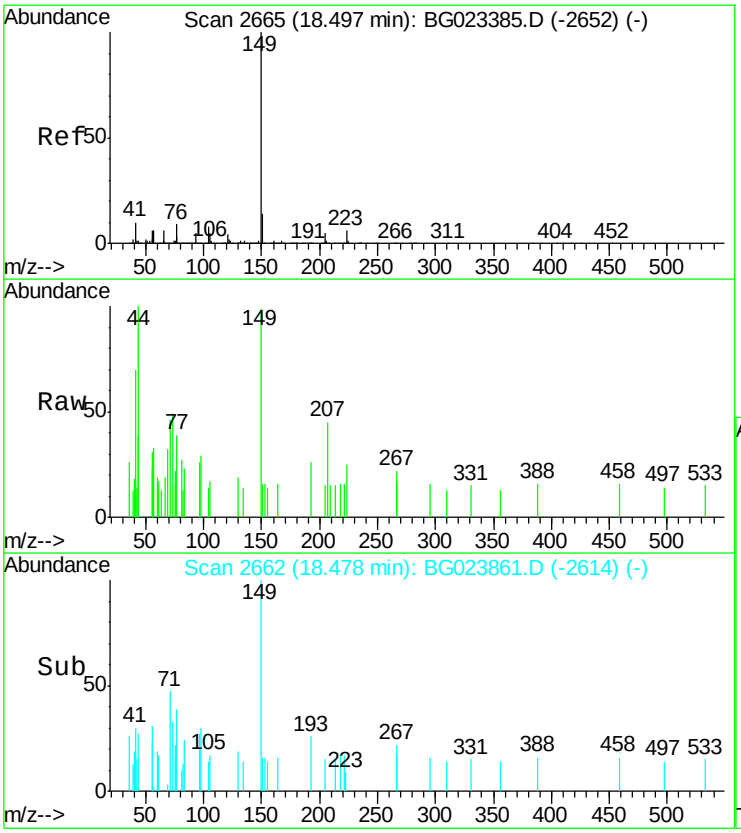

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:188 Resp: 606097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.9 | 5.2 | 7.8# |
| 80 | 10.9 | 7.2 | 10.8# |

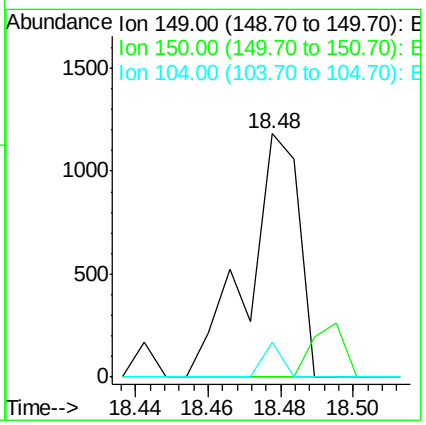


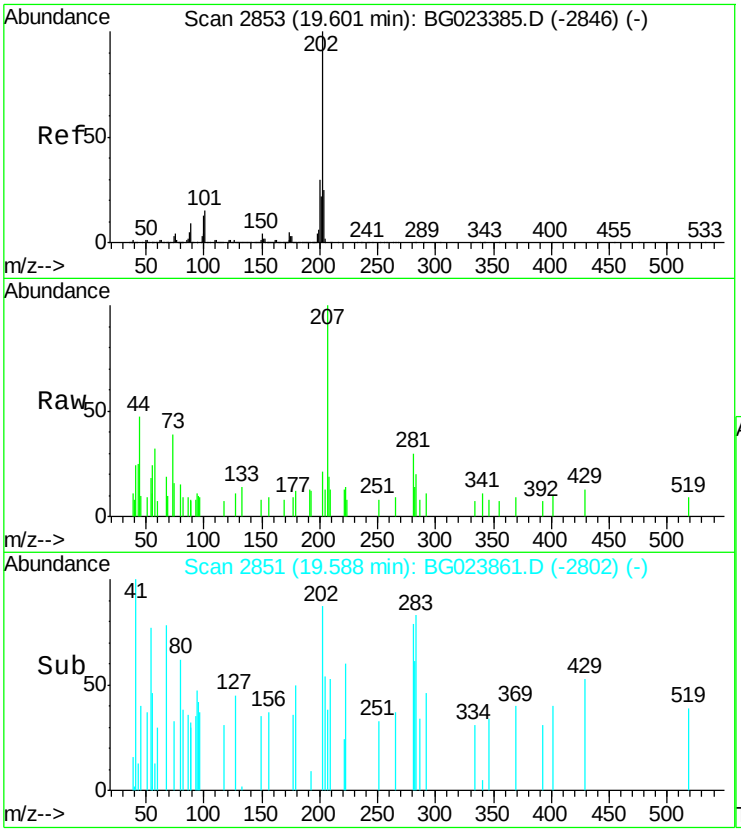




#73
Di-n-butylphthalate
Concen: Below Cal
RT: 18.48 min Scan# 2662
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:149 Resp: 1145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 9.1 | 13.7# |
| 104 | 14.2 | 6.9 | 10.3# |



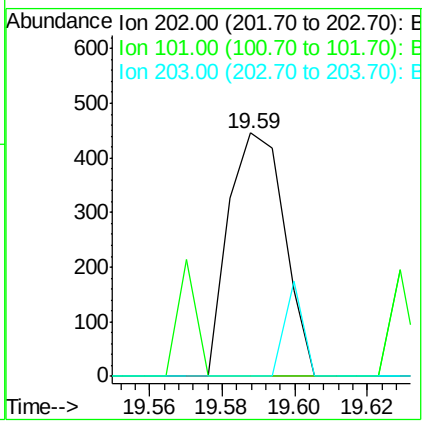


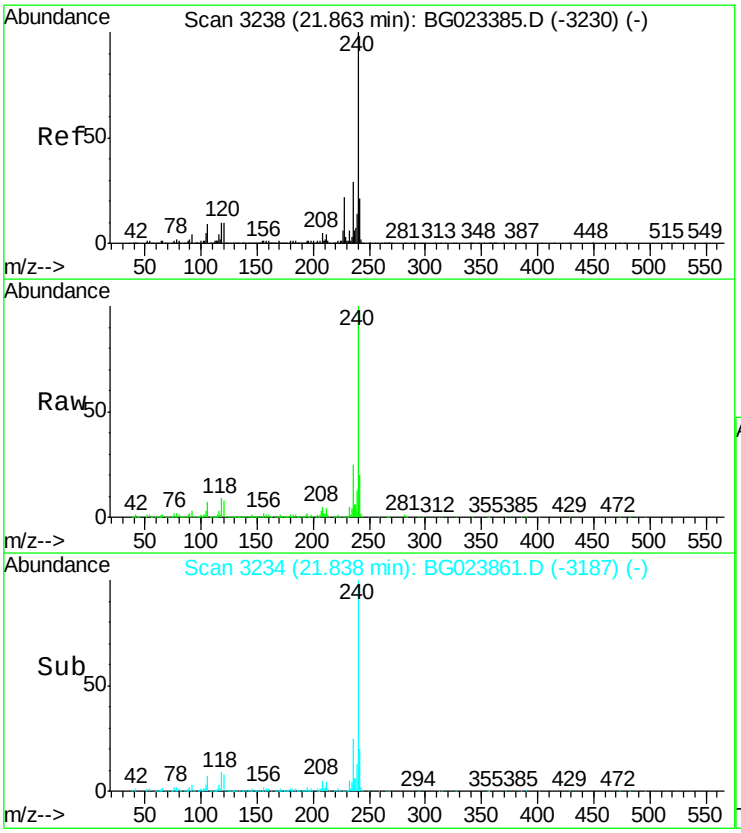

#74
Fluoranthene
Concen: Below Cal
RT: 19.59 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:202 Resp: 475

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

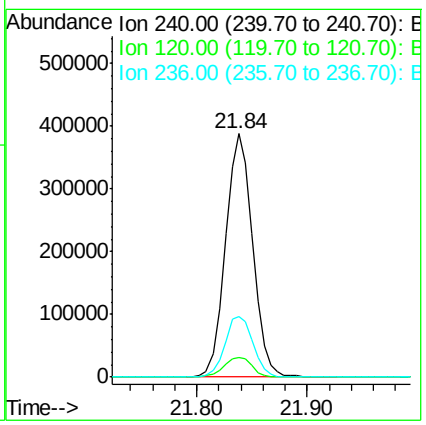


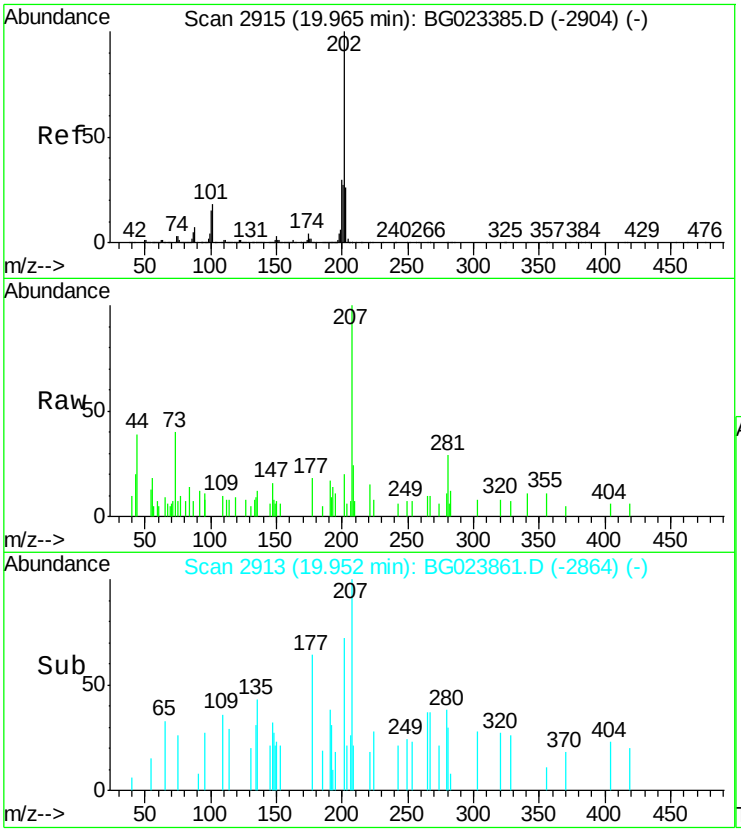




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.84 min Scan# 3234
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:240 Resp: 664916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 4.1 | 6.1# |
| 236 | 24.8 | 21.1 | 31.7 |



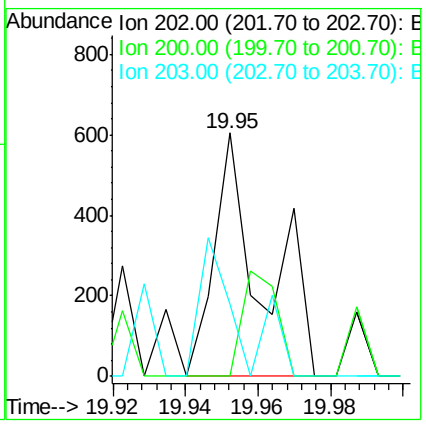


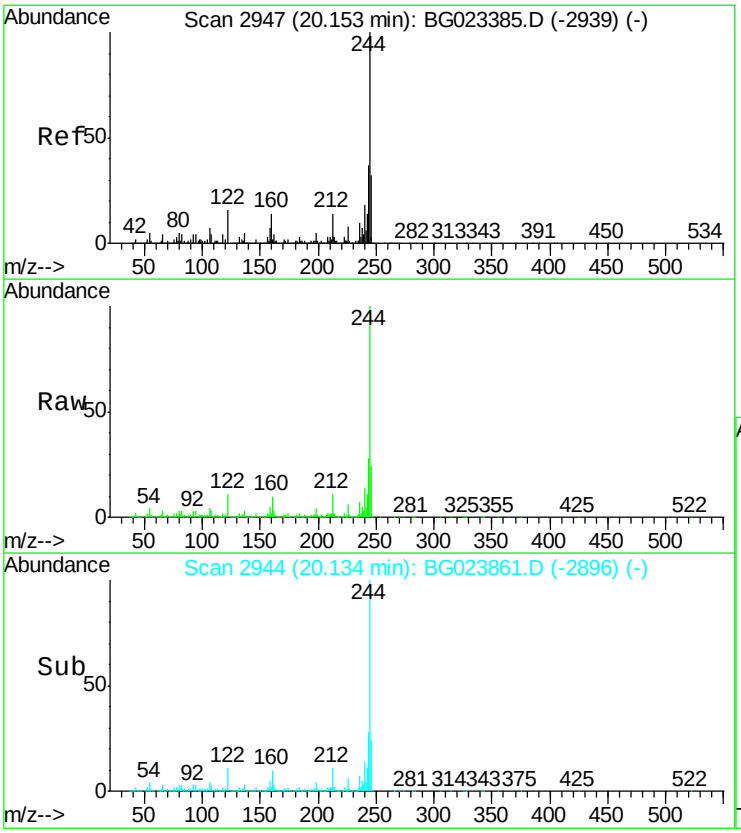

#77
Pyrene
Concen: Below Cal
RT: 19.95 min Scan# 2913
Delta R.T. -0.01 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:202 Resp: 555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 21.2 | 31.8# |
| 203 | 29.4 | 16.8 | 25.2# |

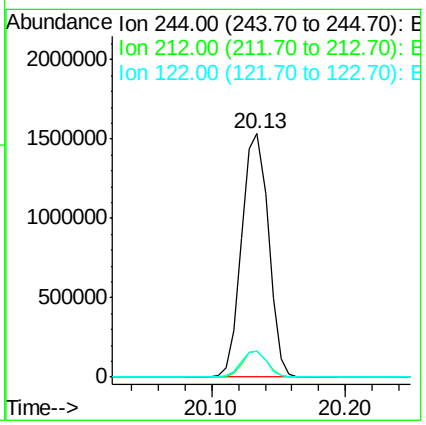


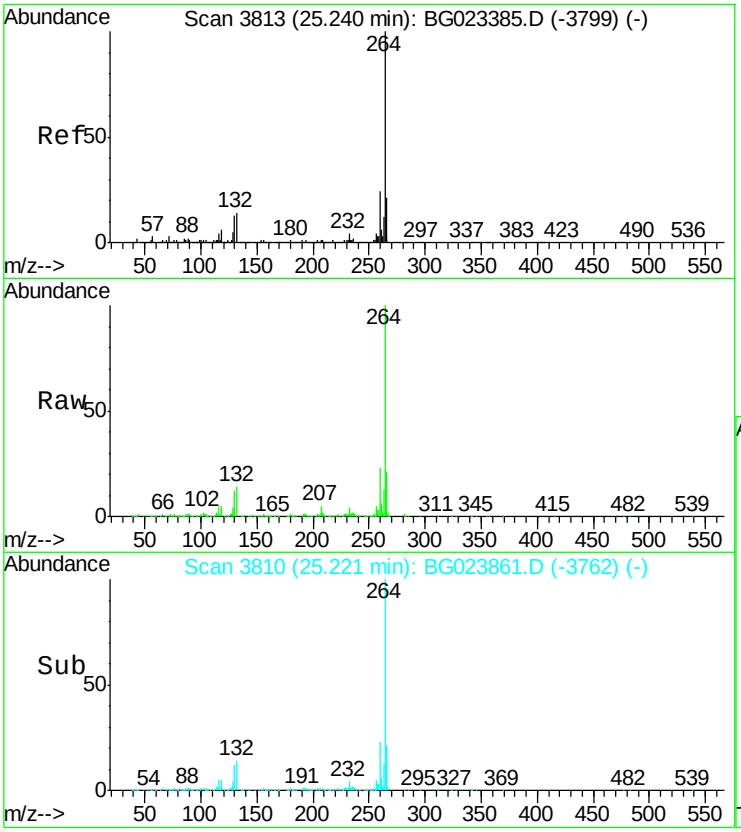




#78
Terphenyl-d14
Concen: 104.18 ng
RT: 20.13 min Scan# 2944
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

Tgt Ion:244 Resp: 2121713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.9 | 10.8 | 16.2 |
| 122 | 10.6 | 8.0 | 12.0 |






#86
Perylene-d12
Concen: 20.00 ng
RT: 25.22 min Scan# 3810
Delta R.T. -0.02 min
Lab File: BG023861.D
Acq: 23 Aug 2016 20:04

**Instrument :**
BNA_G
**ClientSampleId :**
SB-18A(17-19)

Tgt Ion:264 Resp: 655174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.4 | 27.6 |
| 265 | 21.0 | 18.9 | 28.3 |