Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
Data File : BG019117.D
Acq On : 10 Oct 2015 14:55
Operator : UM/NP
Sample : PB85991BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB85991BL

Quant Time: Oct 12 06:34:10 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 06:30:50 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 15484 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 66252 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 47997 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 131165 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.67 | 240 | 169729 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 162160 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 90595 | 119.13 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 136811 | 117.11 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 90306 | 75.31 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 68018 | 103.99 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.28 | 172 | 219537 | 70.33 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.02 | 244 | 470339 | 73.20 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 7.20 | 77 | 200 | 0.27 | ng | # 3 |
| 15) Benzyl Alcohol | 8.35 | 79 | 1411 | 1.35 | ng | # 48 |
| 24) Nitrobenzene | 9.19 | 77 | 227 | 0.18 | ng | # 43 |
| 45) 1,1'-Biphenyl | 13.28 | 154 | 371 | 0.11 | ng | # 1 |
| 62) Azobenzene | 16.14 | 77 | 212 | 0.06 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 16.15 | 169 | 2381 | 0.66 | ng | # 41 |
| 73) Di-n-butylphthalate | 18.37 | 149 | 61 | 0.01 | ng | # 77 |
| 77) Pyrene | 20.02 | 202 | 1761 | 0.19 | ng | # 63 |
| 80) Benzo(a)anthracene | 21.68 | 228 | 581 | 0.06 | ng | # 51 |
| 82) Chrysene | 21.71 | 228 | 66 | 0.01 | ng | # 48 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 69 | 0.01 | ng | # 52 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 123 | 0.01 | ng | # 1 |
| 89) Benzo(a)pyrene | 24.89 | 252 | 559 | 0.07 | ng | # 61 |

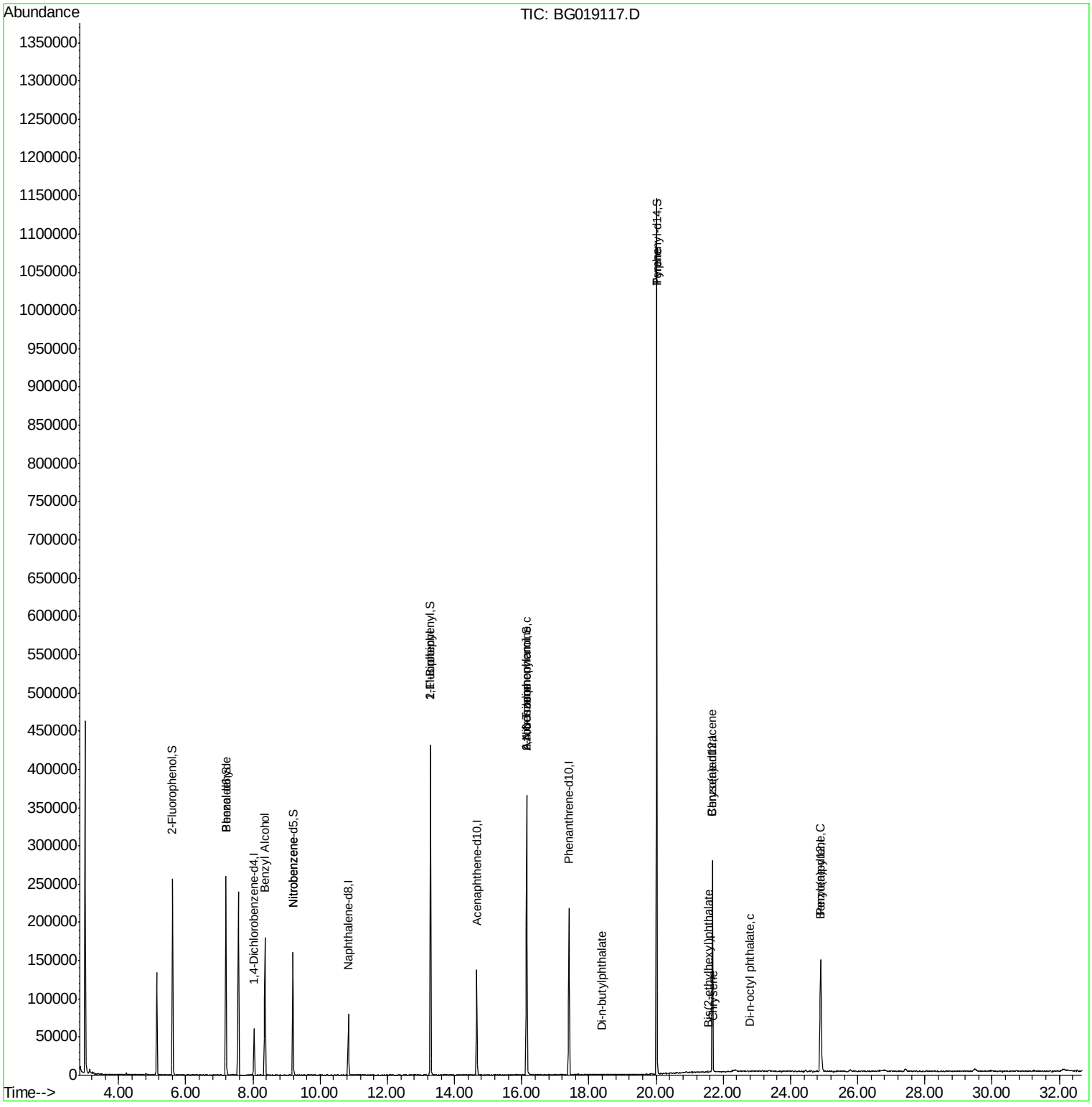
(#) = qualifier out of range (m) = manual integration (+) = signals summed

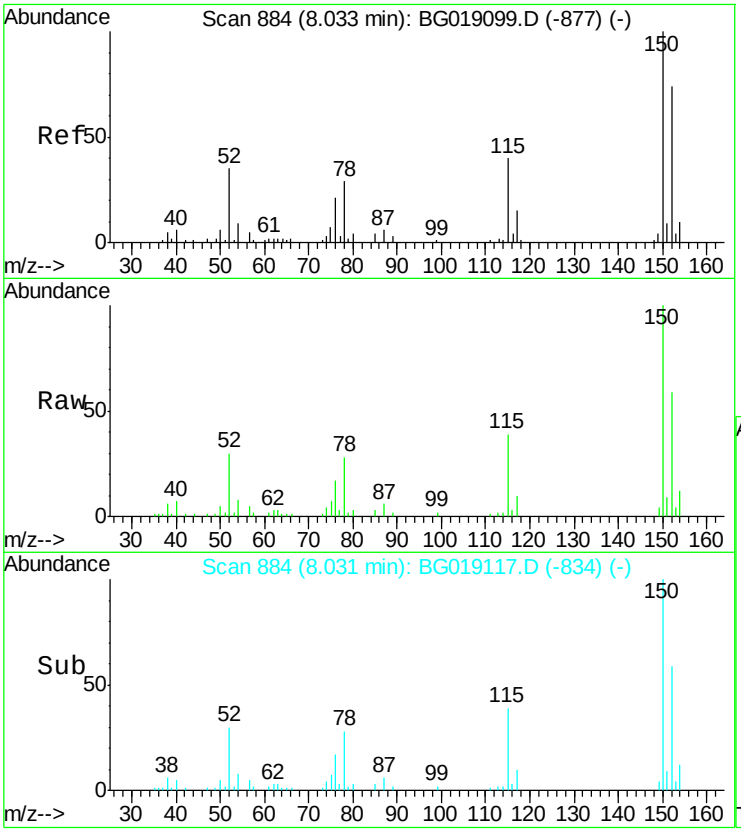
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
Data File : BG019117.D
Acq On : 10 Oct 2015 14:55
Operator : UM/NP
Sample : PB85991BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Quant Time: Oct 12 06:34:10 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 06:30:50 2015
Response via : Initial Calibration



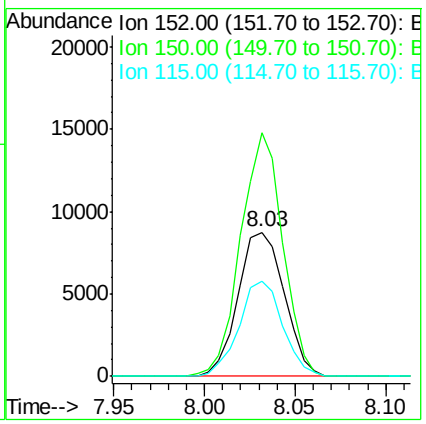


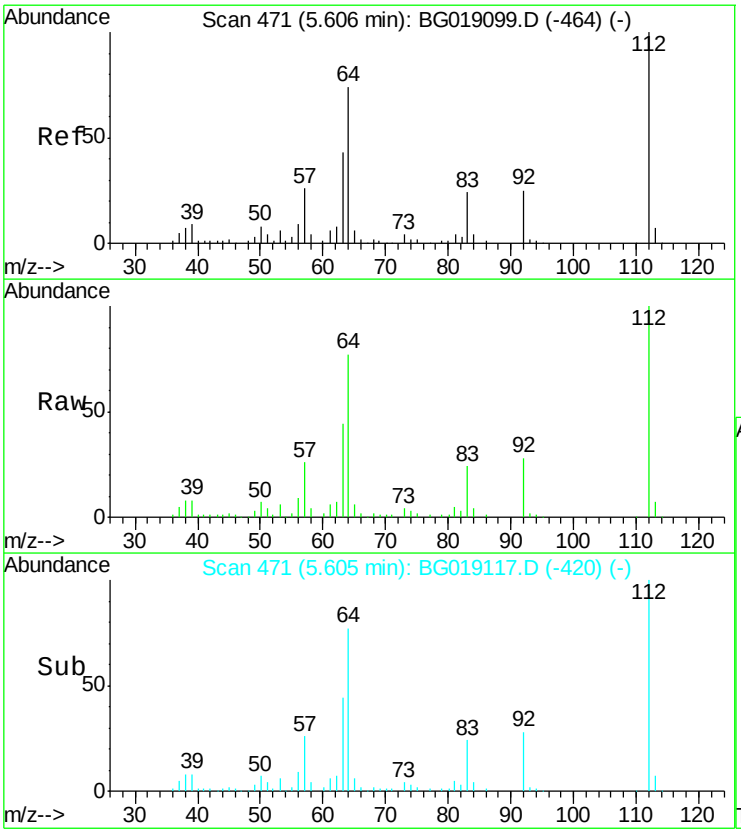

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 884
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:152 Resp: 15484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 169.2 | 108.2 | 162.2# |
| 115 | 65.8 | 43.2 | 64.8# |

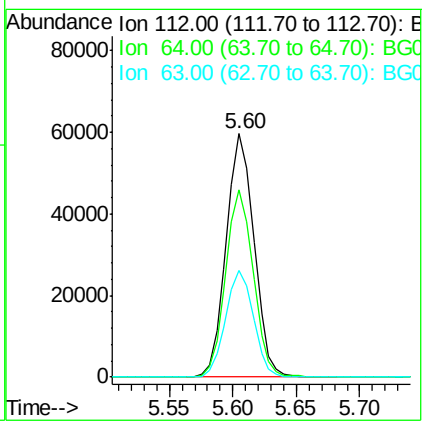


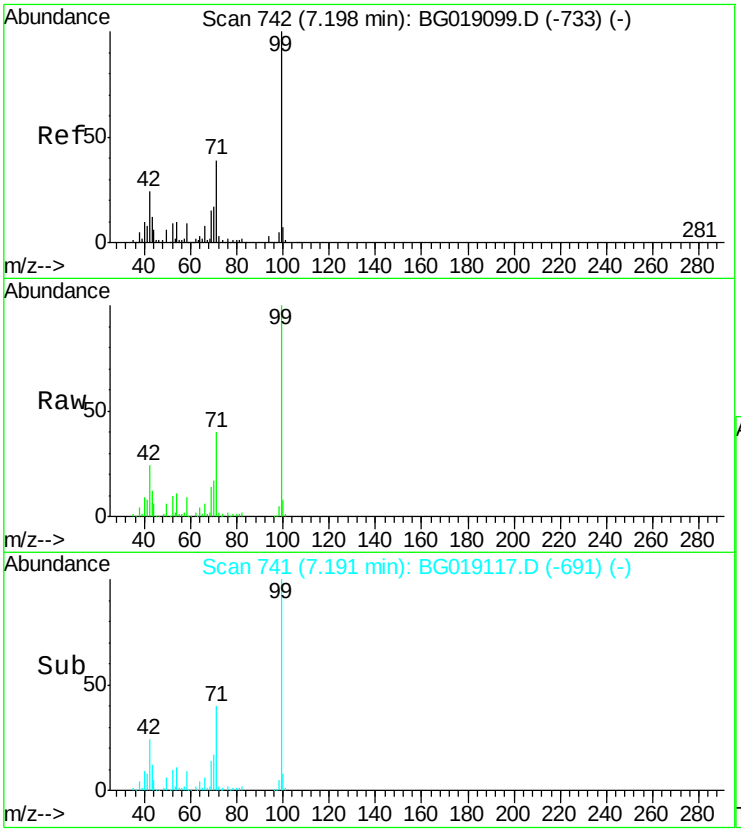




#5
2-Fluorophenol
Concen: 119.13 ng
RT: 5.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:112 Resp: 90595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 76.7 | 59.0 | 88.4 |
| 63 | 43.9 | 34.7 | 52.1 |



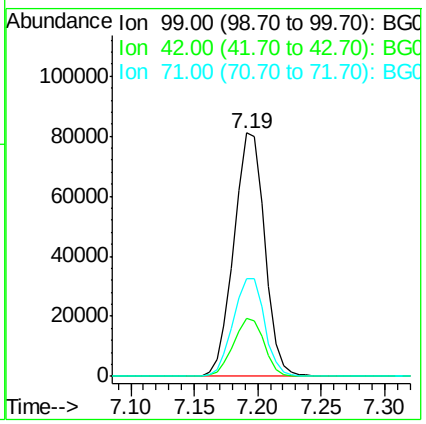


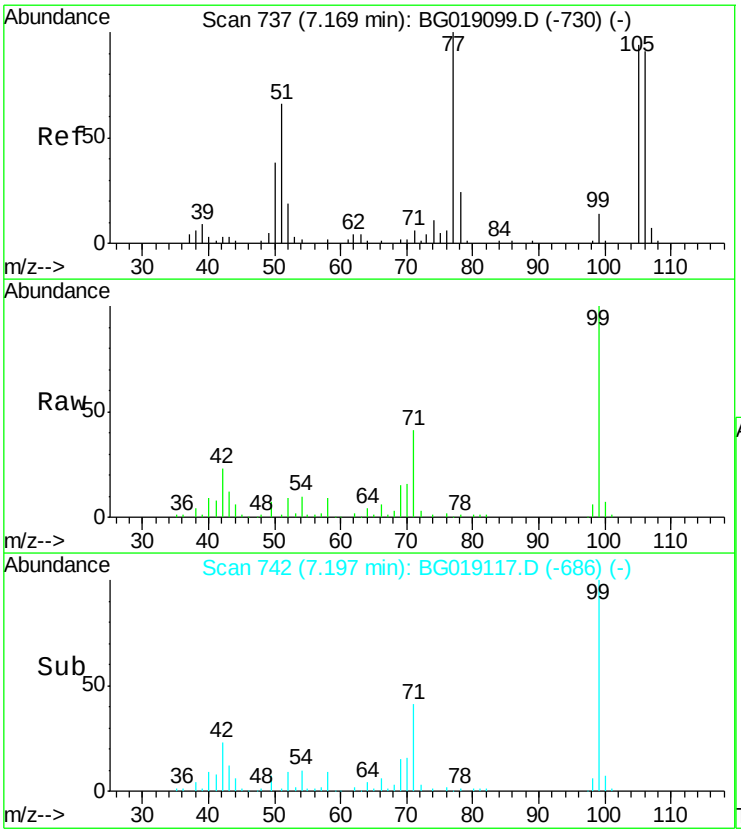

#7
Phenol-d6
Concen: 117.11 ng
RT: 7.19 min Scan# 741
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion: 99 Resp: 136811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.7 | 19.5 | 29.3 |
| 71 | 40.0 | 31.4 | 47.0 |

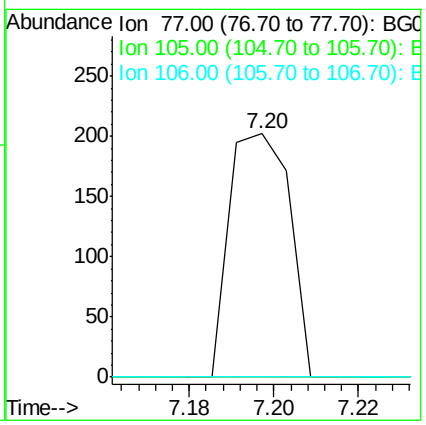


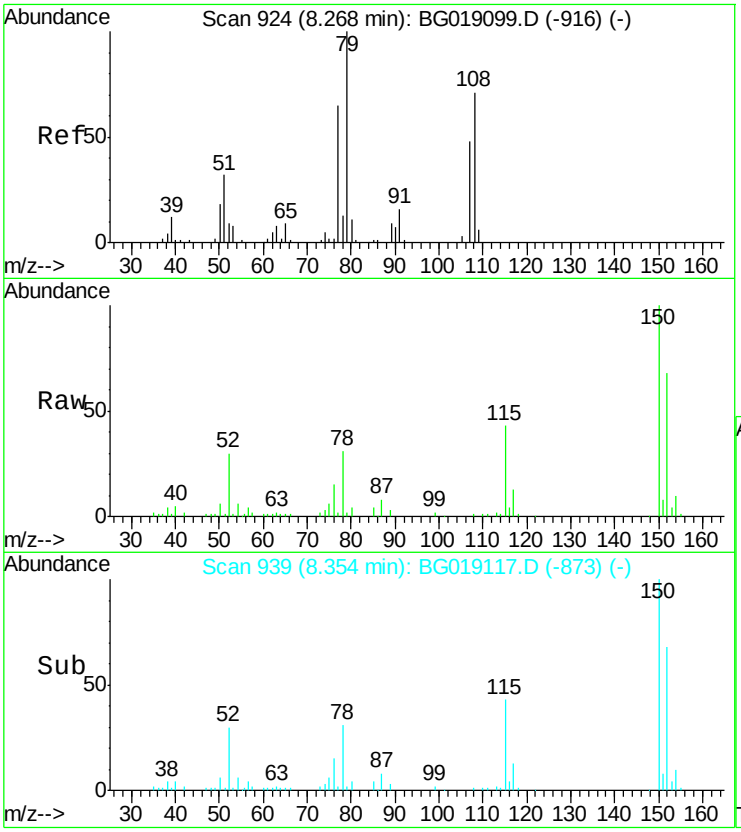




#9
Benzaldehyde
Concen: 0.27 ng
RT: 7.20 min Scan# 742
Delta R.T. 0.03 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion: 77 Resp: 200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 73.7 | 113.7# |
| 106 | 0.0 | 71.0 | 111.0# |



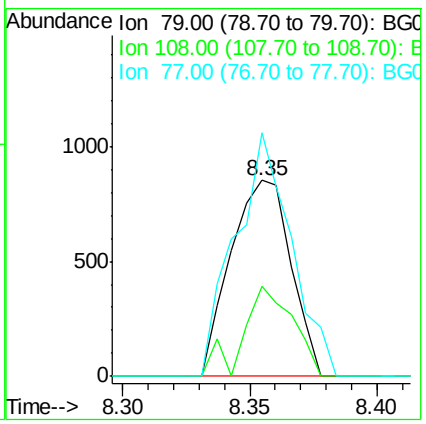


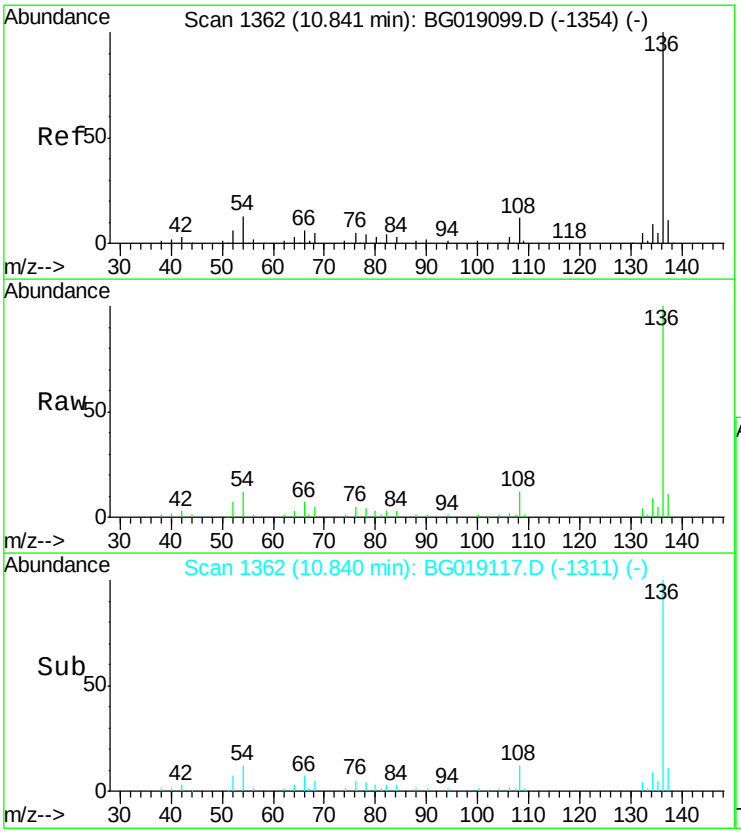

#15
Benzyl Alcohol
Concen: 1.35 ng
RT: 8.35 min Scan# 939
Delta R.T. 0.09 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion: 79 Resp: 1411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 46.1 | 56.6 | 84.8# |
| 77 | 124.4 | 51.6 | 77.4# |

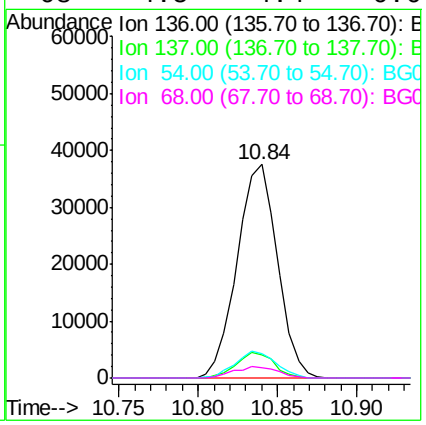


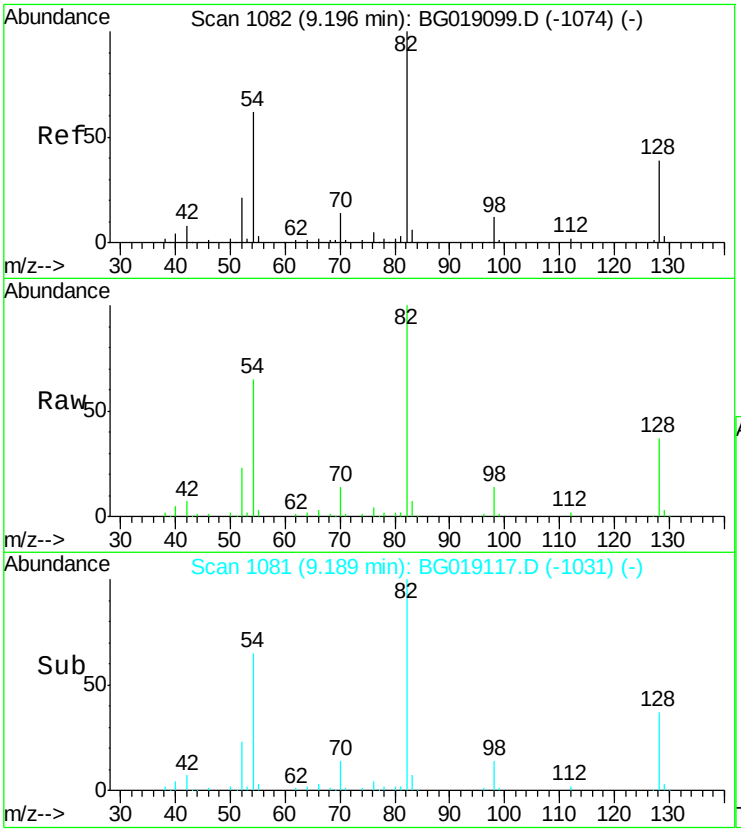




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:136 Resp: 66252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 9.0 | 13.4 |
| 54 | 11.5 | 10.1 | 15.1 |
| 68 | 4.5 | 4.4 | 6.6 |



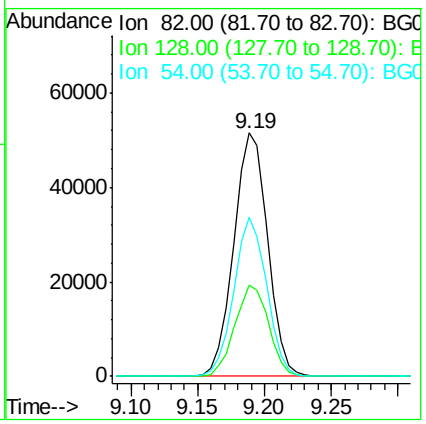


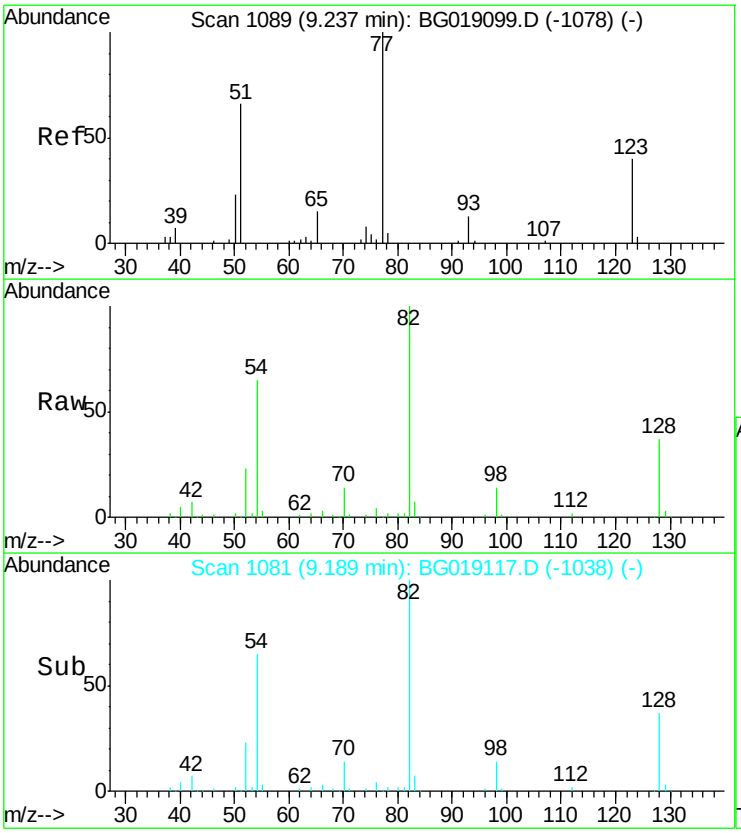

#23
Nitrobenzene-d5
Concen: 75.31 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :** BNA_G
**ClientSampleId :** PB85991BL

Tgt Ion: 82 Resp: 90306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.3 | 31.4 | 47.2 |
| 54 | 65.3 | 50.0 | 75.0 |

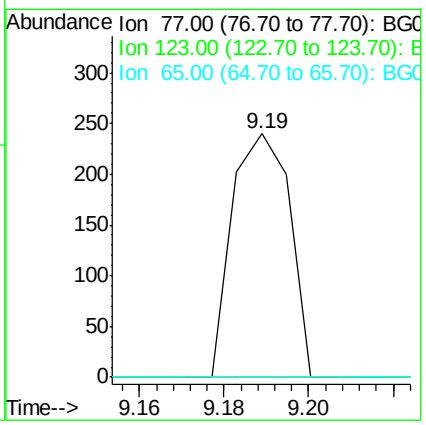


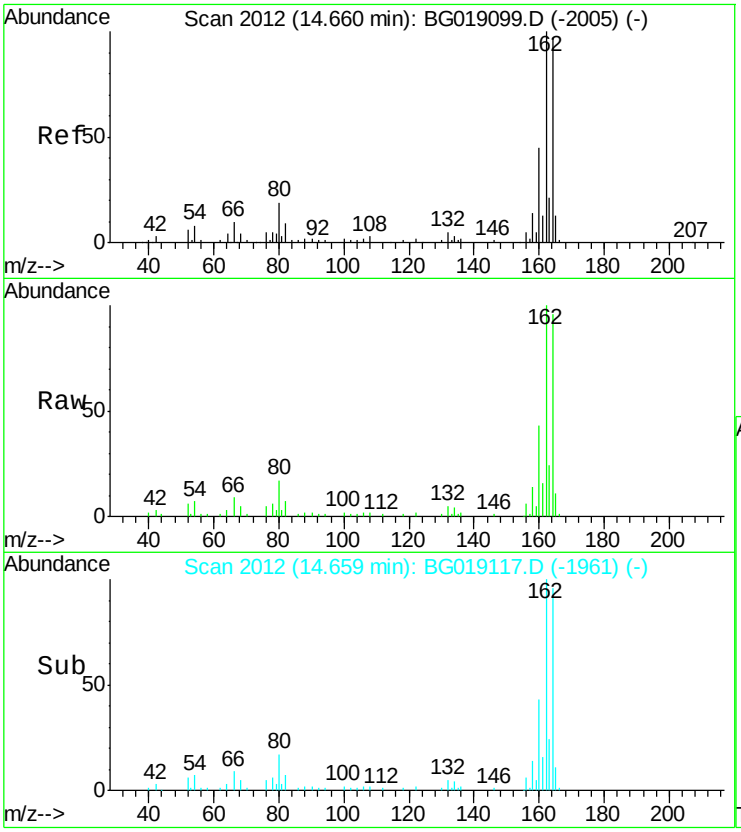




#24
Nitrobenzene
Concen: 0.18 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.05 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion: 77 Resp: 227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 31.8 | 47.6# |
| 65 | 0.0 | 11.8 | 17.6# |



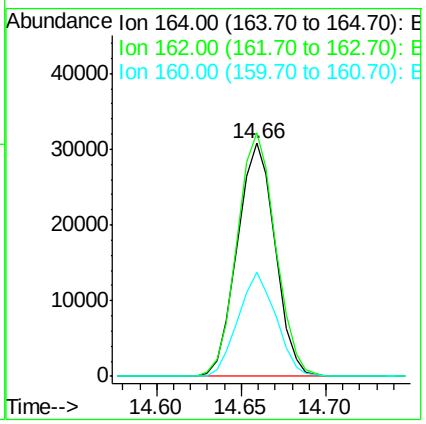


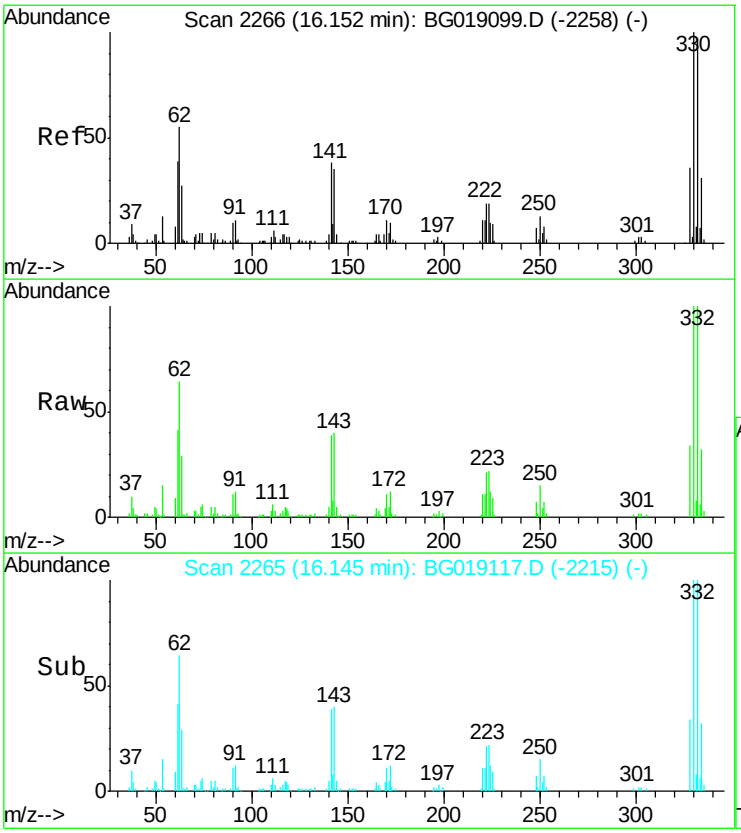

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:164 Resp: 47997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.4 | 82.6 | 124.0 |
| 160 | 44.5 | 36.9 | 55.3 |

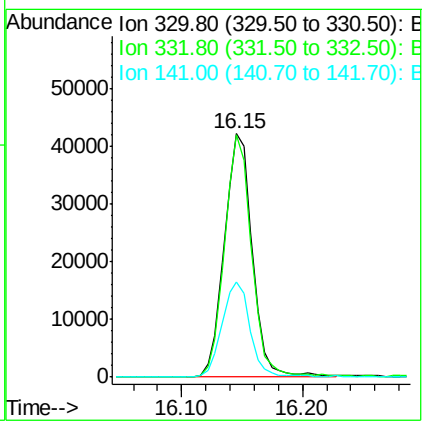


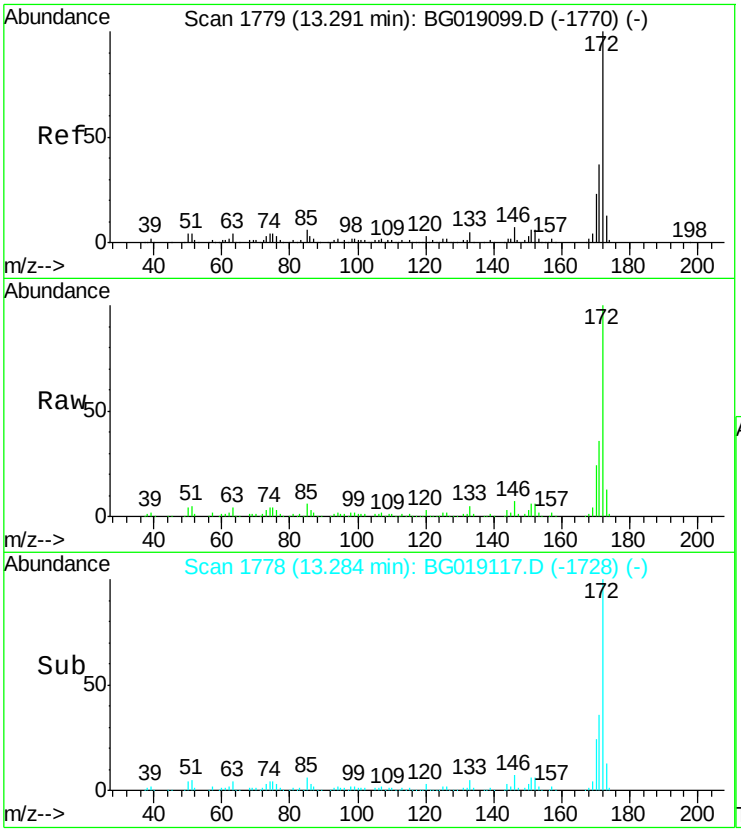




#41
2,4,6-Tribromophenol
Concen: 103.99 ng
RT: 16.15 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:330 Resp: 68018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 77.3 | 115.9 |
| 141 | 38.7 | 30.7 | 46.1 |



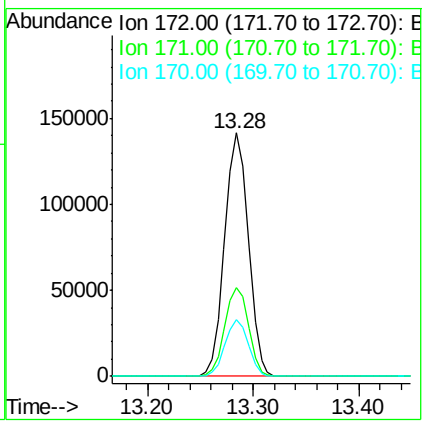


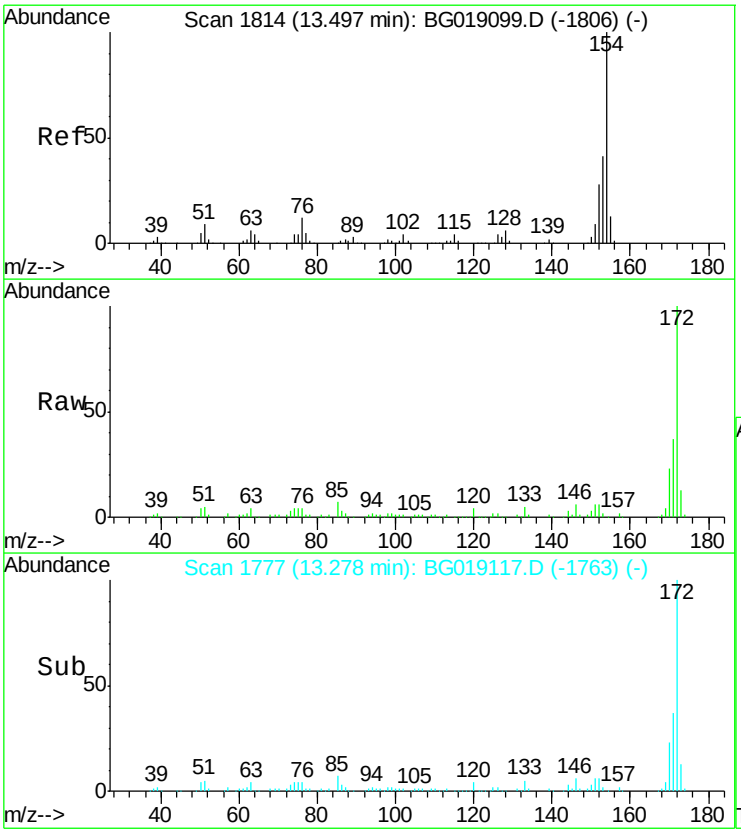

#44
2-Fluorobiphenyl
Concen: 70.33 ng
RT: 13.28 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:172 Resp: 219537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.9 | 44.9 |
| 170 | 23.5 | 18.6 | 27.8 |

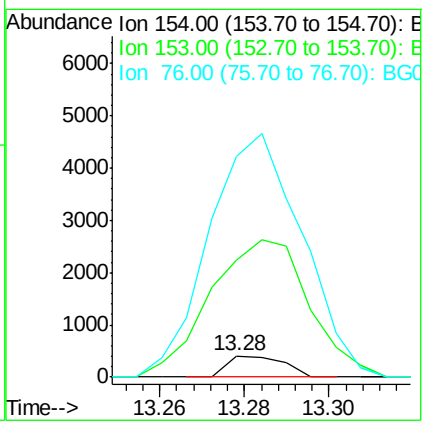


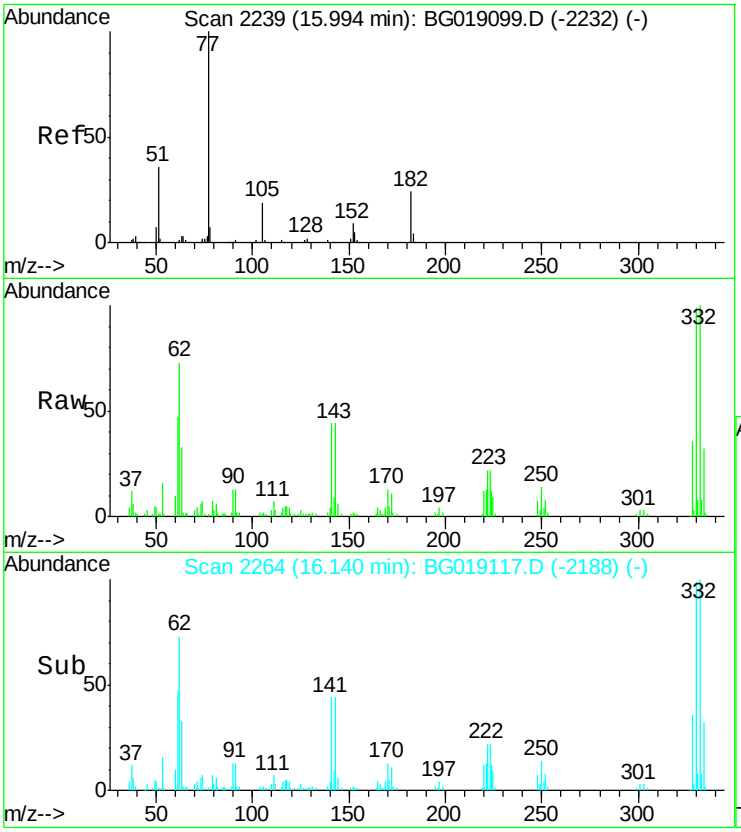




#45
1,1'-Biphenyl
Concen: 0.11 ng
RT: 13.28 min Scan# 1777
Delta R.T. -0.22 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:154 Resp: 371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 549.9 | 20.6 | 60.6# |
| 76 | 1038.8 | 0.0 | 32.2# |



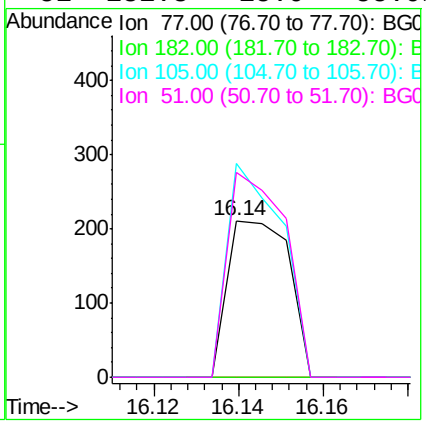


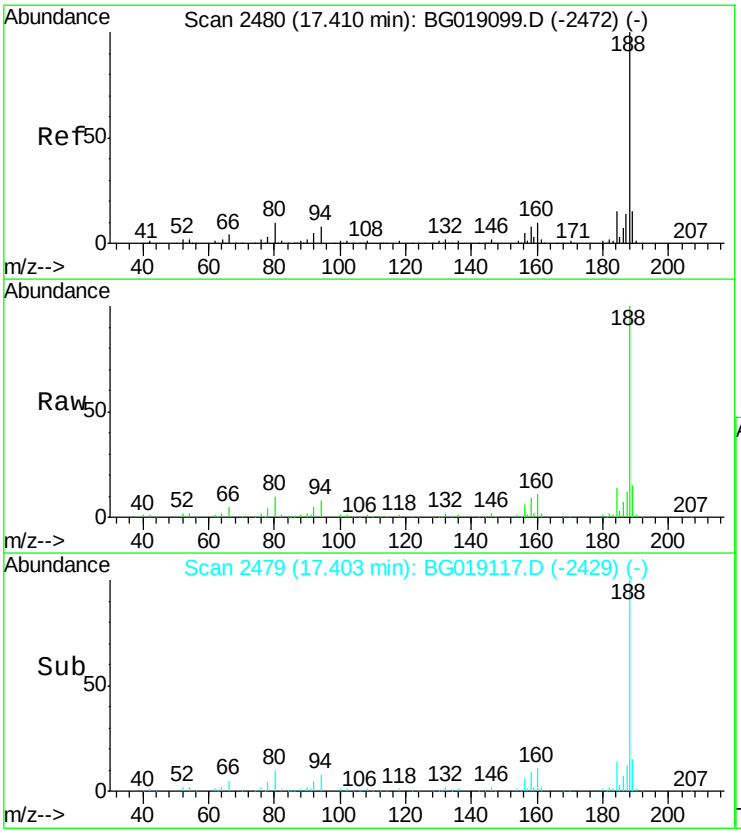

#62
Azobenzene
Concen: 0.06 ng
RT: 16.14 min Scan# 2264
Delta R.T. 0.15 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion: 77 Resp: 212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 4.4 | 44.4# |
| 105 | 136.5 | 0.0 | 39.1# |
| 51 | 131.3 | 15.9 | 55.9# |

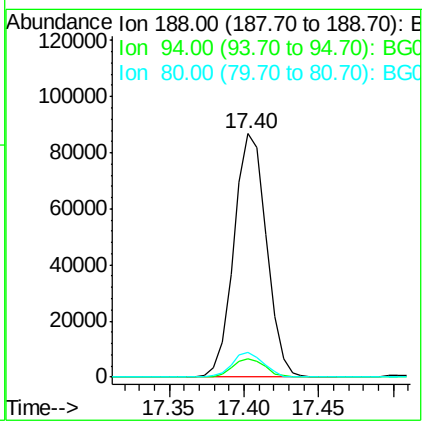


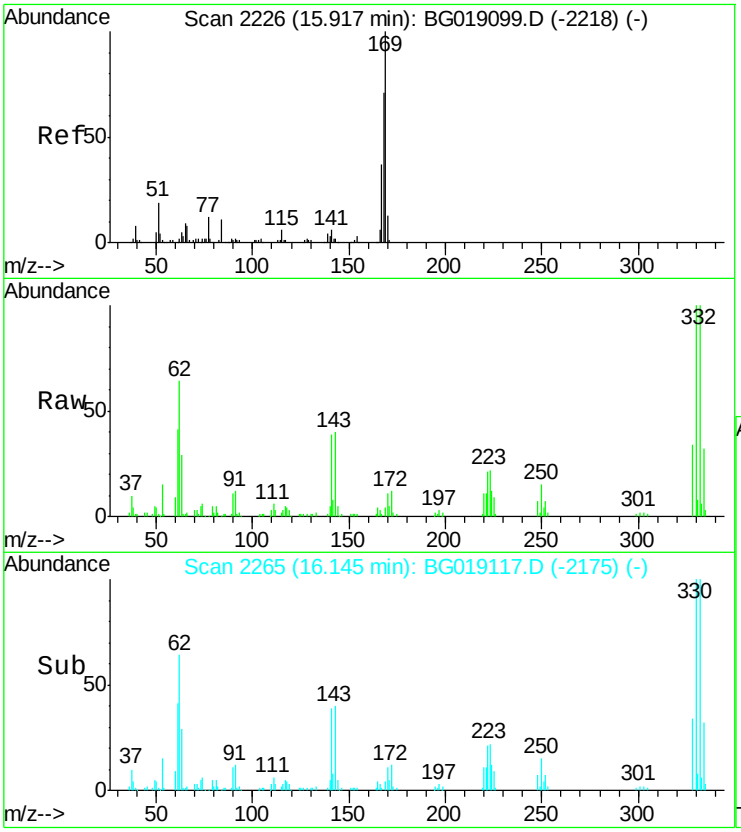




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:188 Resp: 131165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 6.4 | 9.6 |
| 80 | 10.3 | 7.6 | 11.4 |



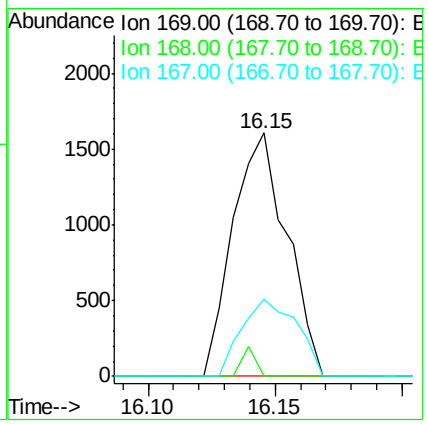


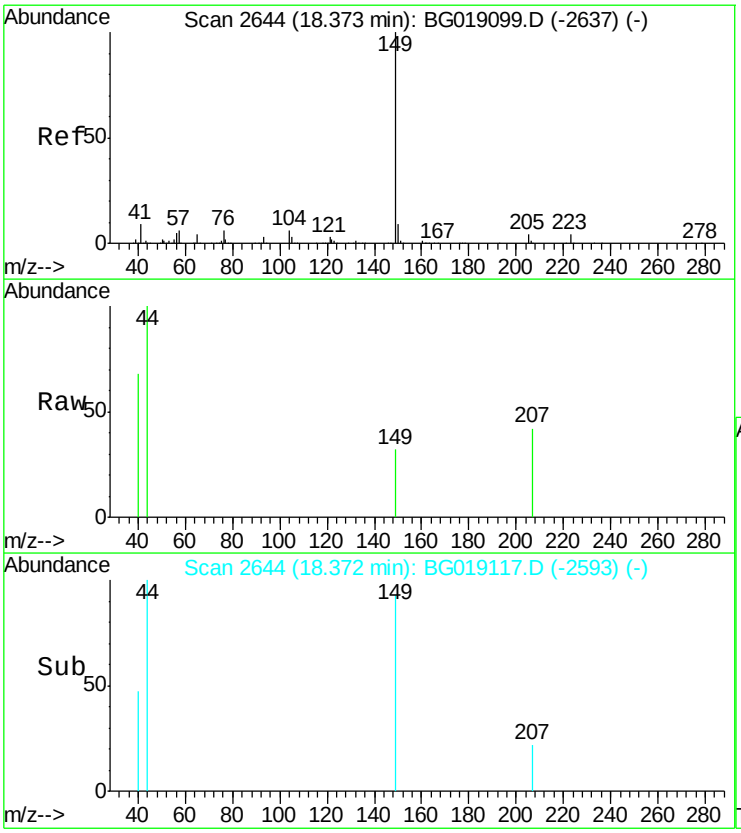

#65
n-Nitrosodiphenylamine
Concen: 0.66 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:169 Resp: 2381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 0.0 | 56.6 | 84.8# |
| 167 | 31.7 | 30.0 | 45.0 |

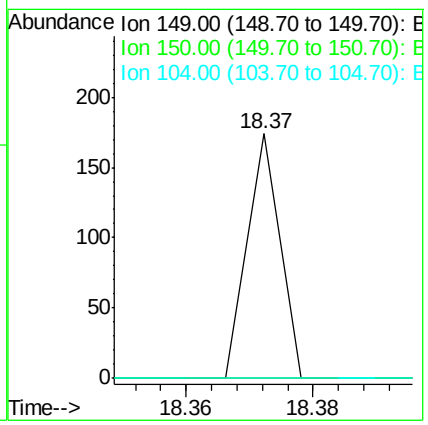


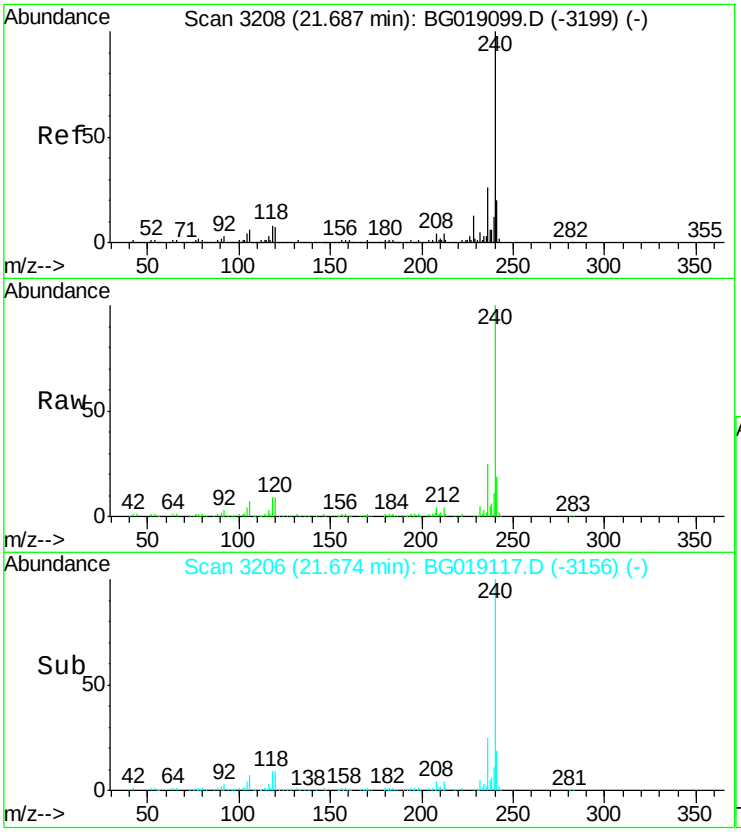




#73
Di-n-butylphthalate
Concen: 0.01 ng
RT: 18.37 min Scan# 2644
Delta R.T. 0.00 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:149 Resp: 61

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.5 | 11.3# |
| 104 | 0.0 | 5.0 | 7.6# |



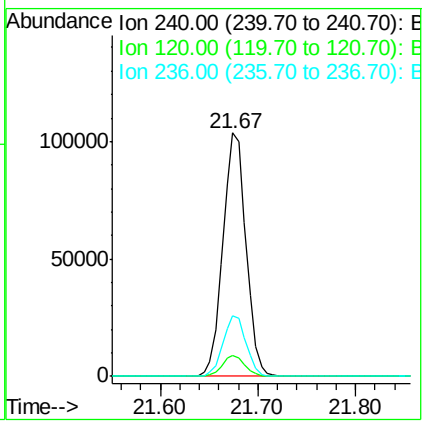


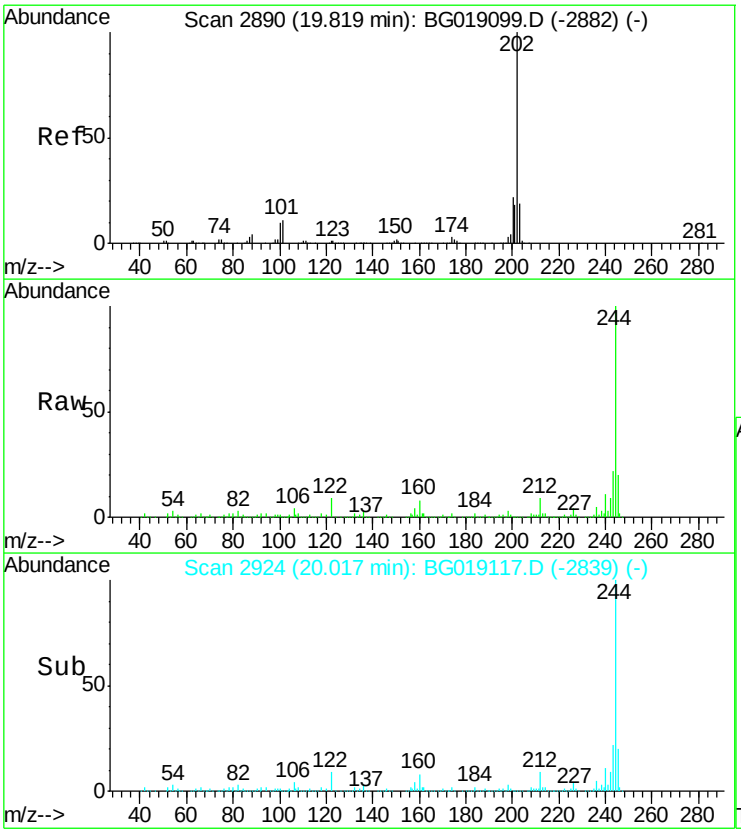

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.67 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:240 Resp: 169729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 5.8 | 8.6# |
| 236 | 25.0 | 21.2 | 31.8 |

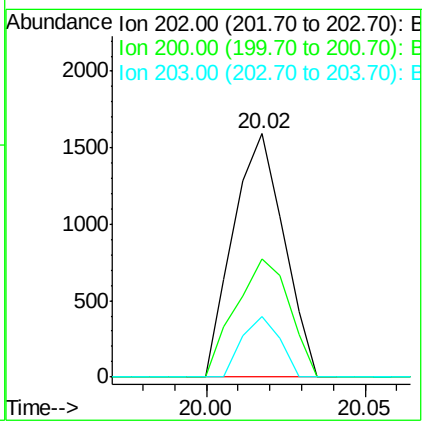


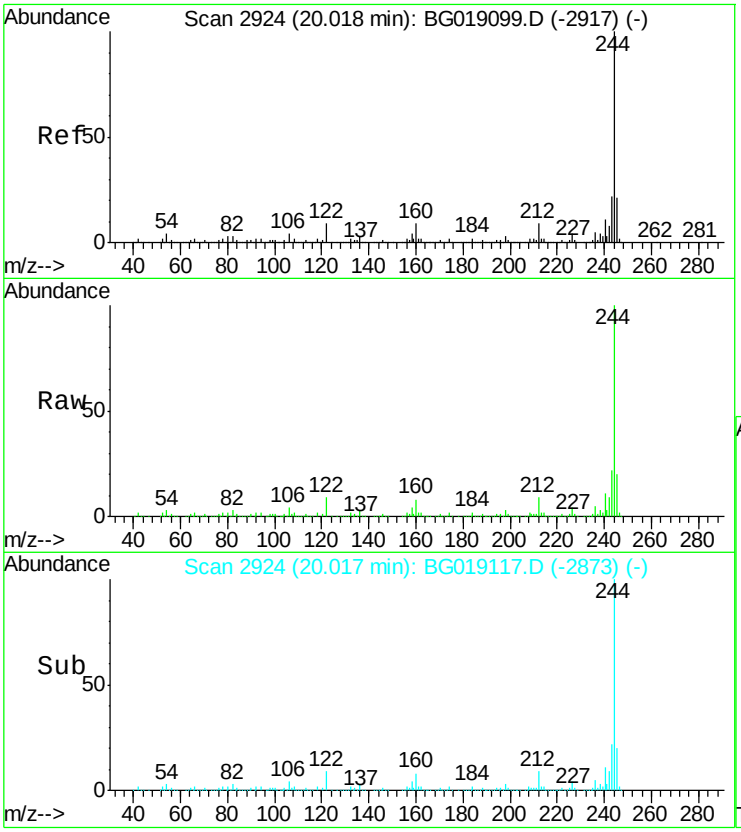




#77
Pyrene
Concen: 0.19 ng
RT: 20.02 min Scan# 2924
Delta R.T. 0.20 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:202 Resp: 1761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 48.7 | 17.4 | 26.2# |
| 203 | 24.7 | 14.8 | 22.2# |



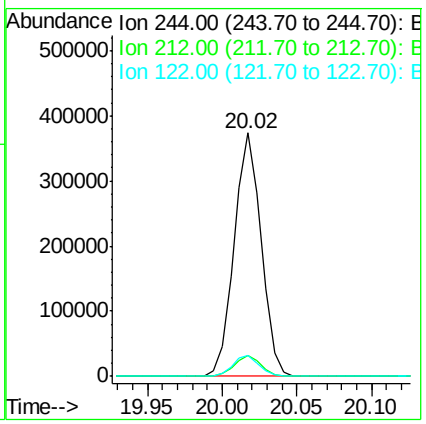


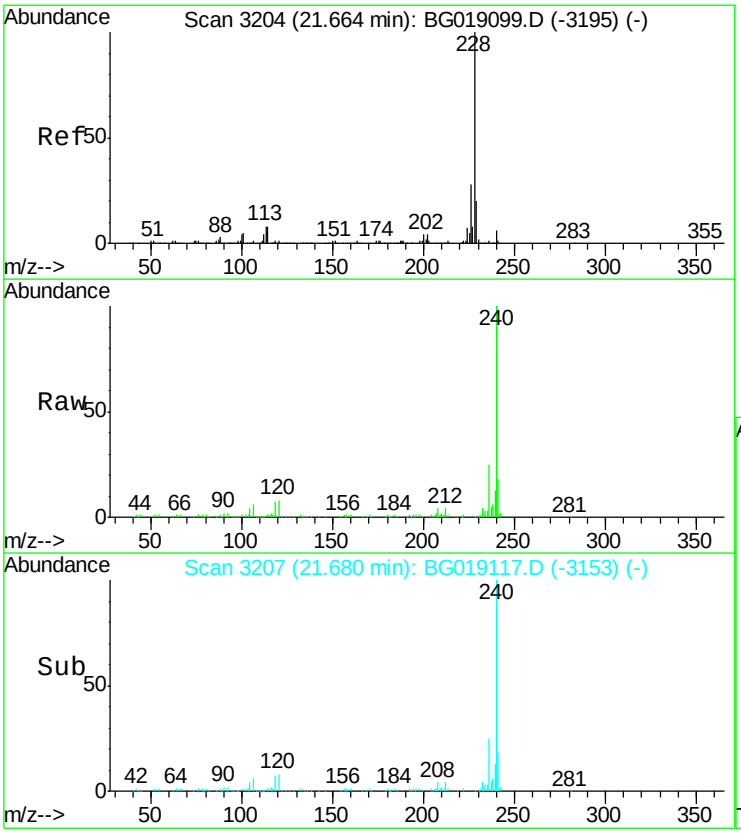

#78
Terphenyl-d14
Concen: 73.20 ng
RT: 20.02 min Scan# 2924
Delta R.T. 0.00 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:244 Resp: 470339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 6.8 | 10.2 |
| 122 | 8.6 | 7.4 | 11.2 |

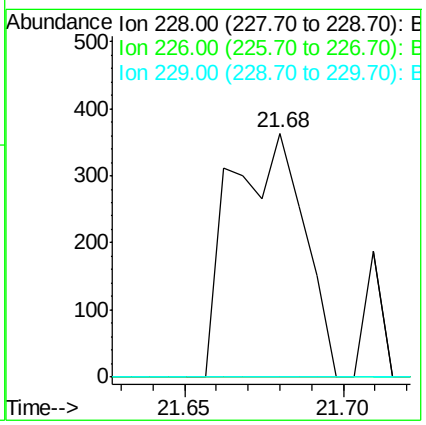


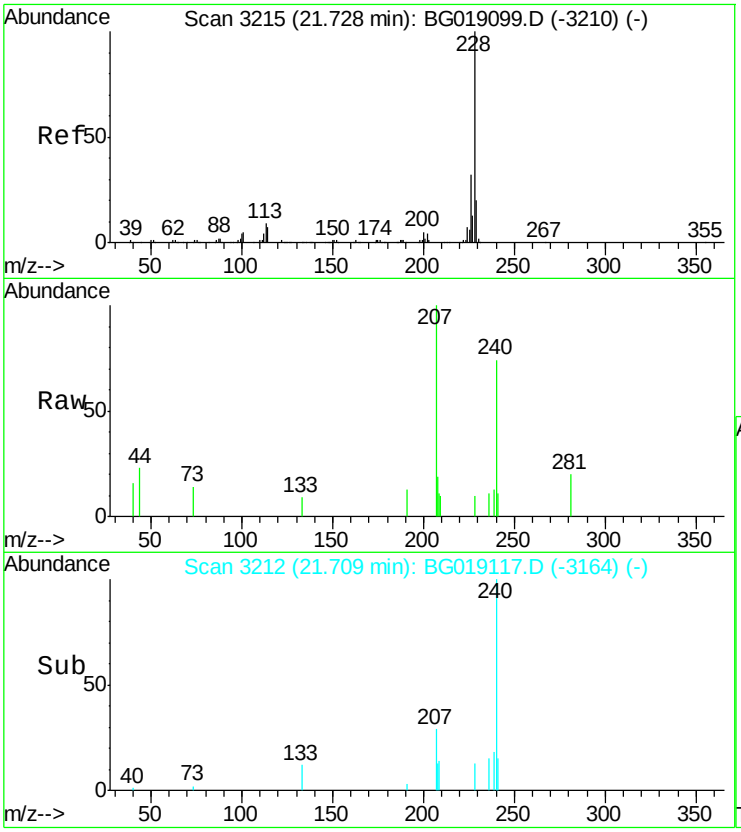




#80
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.68 min Scan# 3207
Delta R.T. 0.02 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:228 Resp: 581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 22.4 | 33.6# |
| 229 | 0.0 | 16.2 | 24.2# |



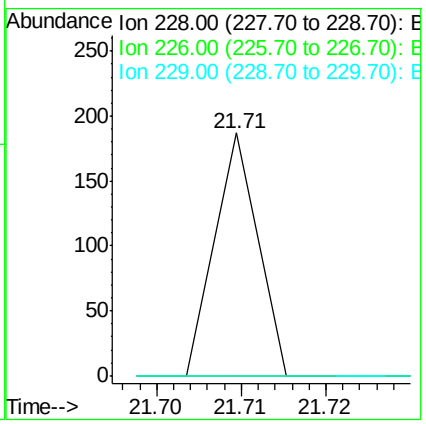


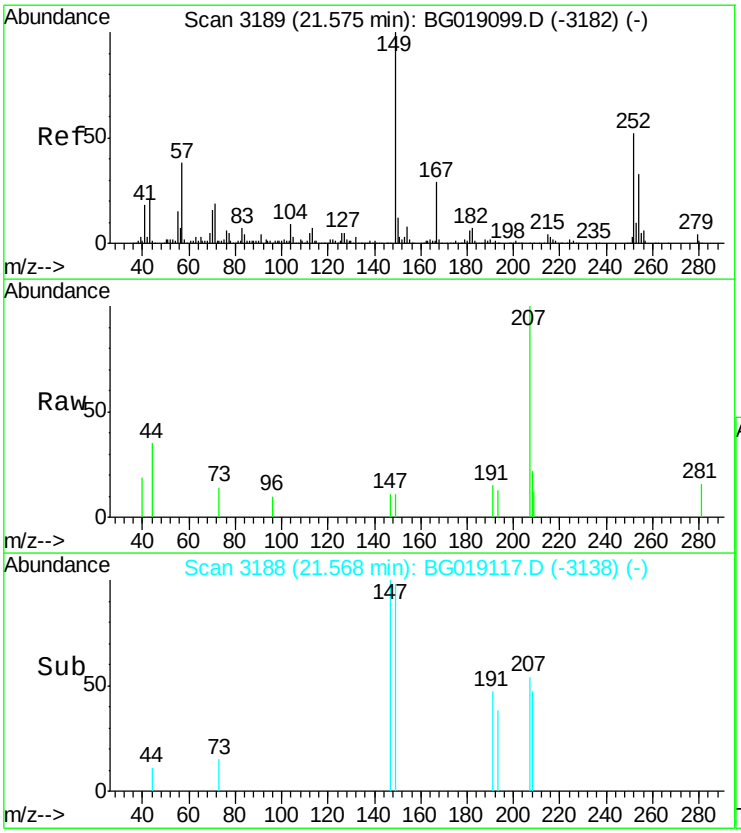

#82
Chrysene
Concen: 0.01 ng
RT: 21.71 min Scan# 3212
Delta R.T. -0.02 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:228 Resp: 66

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 25.2 | 37.8# |
| 229 | 0.0 | 16.3 | 24.5# |

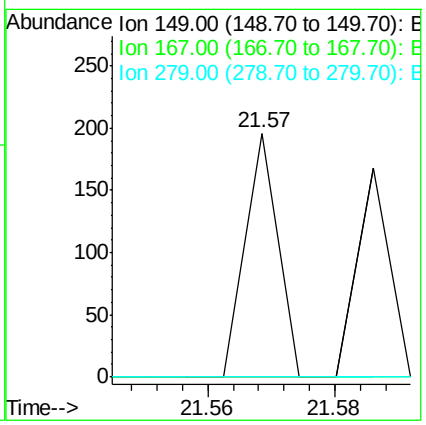


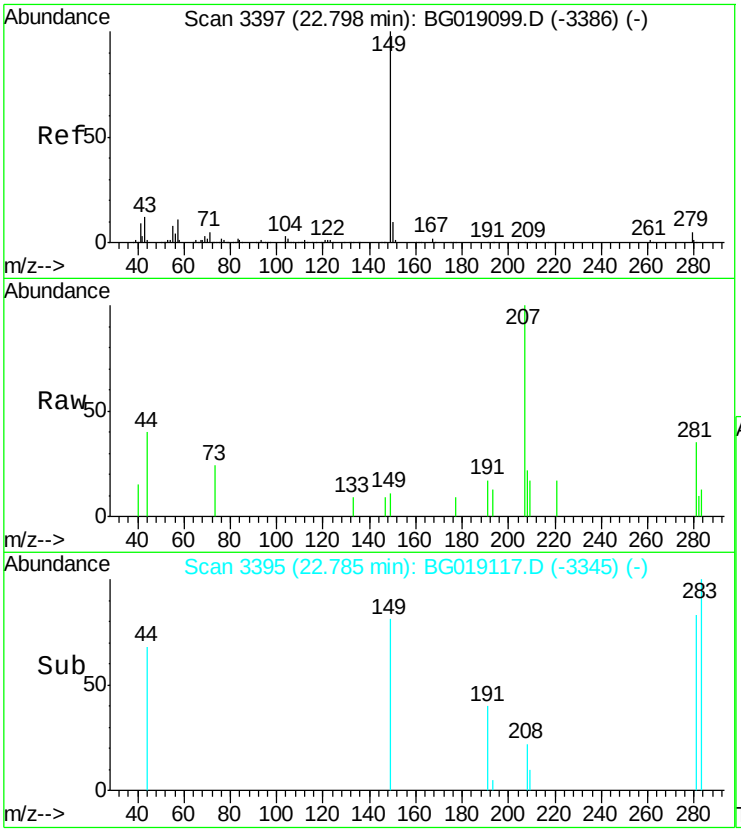




#83
Bis(2-ethylhexyl)phthalate
Concen: 0.01 ng
RT: 21.57 min Scan# 3188
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:149 Resp: 69

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 22.8 | 34.2# |
| 279 | 0.0 | 3.6 | 5.4# |



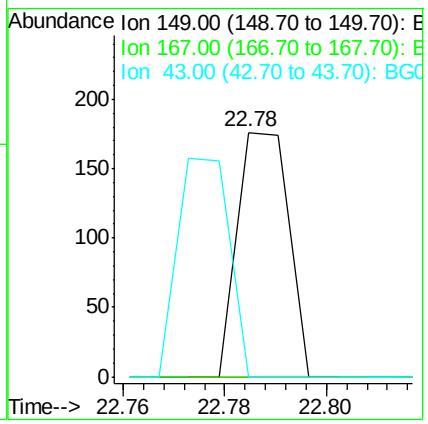


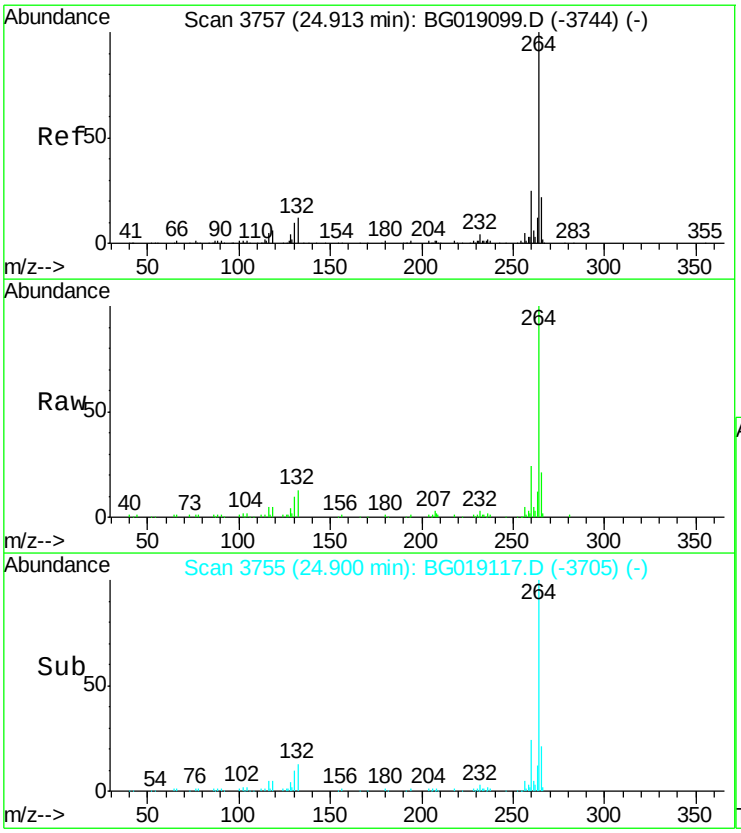

#84
Di-n-octyl phthalate
Concen: 0.01 ng
RT: 22.78 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:149 Resp: 123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.3 | 1.9# |
| 43 | 89.4 | 10.1 | 15.1# |

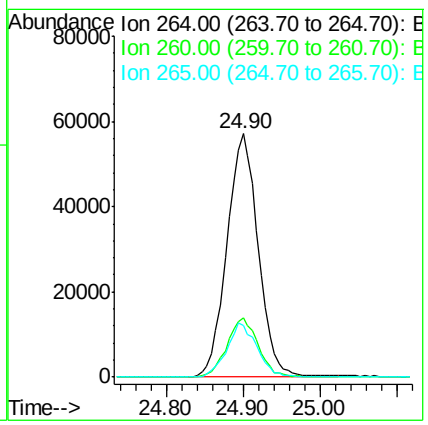


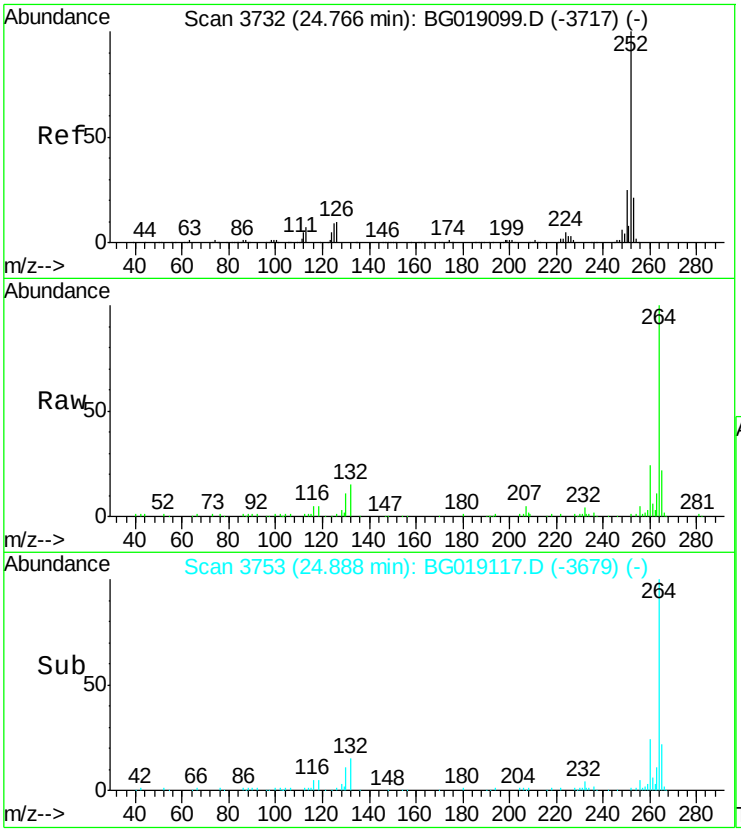




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.90 min Scan# 3755
Delta R.T. -0.01 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

Tgt Ion:264 Resp: 162160

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 20.1 | 30.1 |
| 265 | 21.4 | 17.2 | 25.8 |






#89
Benzo(a)pyrene
Concen: 0.07 ng
RT: 24.89 min Scan# 3753
Delta R.T. 0.14 min
Lab File: BG019117.D
Acq: 10 Oct 2015 14:55

**Instrument :**
BNA_G
**ClientSampleId :**
PB85991BL

Tgt Ion:252 Resp: 559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 17.0 | 25.4# |
| 125 | 0.0 | 7.2 | 10.8# |