Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021167.D
Acq On : 29 Feb 2016 22:51
Operator : UM/SJ
Sample : H1603-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-41(6-8)

Quant Time: Feb 29 23:59:46 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 7653 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.96 | 136 | 38333 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 25864 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 65623 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.75 | 240 | 69447 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 25.02 | 264 | 62837 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 86033 | 178.72 | ng | | 0.00 |
| 7) Phenol-d6 | 7.30 | 99 | 137969 | 174.30 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 97987 | 108.17 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 46388 | 172.38 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 169537 | 93.08 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.08 | 244 | 276126 | 96.32 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.30 | 77 | 269 | 0.54 | ng | # | 2 |
| 10) Phenol | 7.32 | 94 | 904 | 1.07 | ng | # | 1 |
| 15) Benzyl Alcohol | 8.47 | 79 | 1478 | 2.04 | ng | # | 56 |
| 24) Nitrobenzene | 9.32 | 77 | 276 | 0.28 | ng | # | 40 |
| 31) Naphthalene | 11.01 | 128 | 401 | 0.20 | ng | # | 68 |
| 45) 1,1'-Biphenyl | 13.38 | 154 | 218 | 0.10 | ng | # | 1 |
| 49) Dimethylphthalate | 14.20 | 163 | 20178 | 8.75 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 14.20 | 165 | 173 | 0.36 | ng | # | 1 |
| 62) Azobenzene | 16.23 | 77 | 474 | 0.17 | ng | # | 18 |
| 65) n-Nitrosodiphenylamine | 16.24 | 169 | 2358 | 1.17 | ng | # | 35 |
| 70) Phenanthrene | 17.53 | 178 | 368 | 0.10 | ng | # | 59 |
| 71) Anthracene | 17.53 | 178 | 368 | 0.10 | ng | # | 60 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 293 | 0.06 | ng | # | 78 |
| 74) Fluoranthene | 19.52 | 202 | 198 | 0.05 | ng | | 63 |
| 77) Pyrene | 19.89 | 202 | 376 | 0.09 | ng | # | 58 |
| 80) Benzo(a)anthracene | 21.73 | 228 | 328 | 0.08 | ng | # | 51 |
| 82) Chrysene | 21.80 | 228 | 200 | 0.05 | ng | # | 49 |
| 83) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 1028 | 0.33 | ng | # | 84 |
| 89) Benzo(a)pyrene | 24.86 | 252 | 62 | 0.02 | ng | # | 62 |

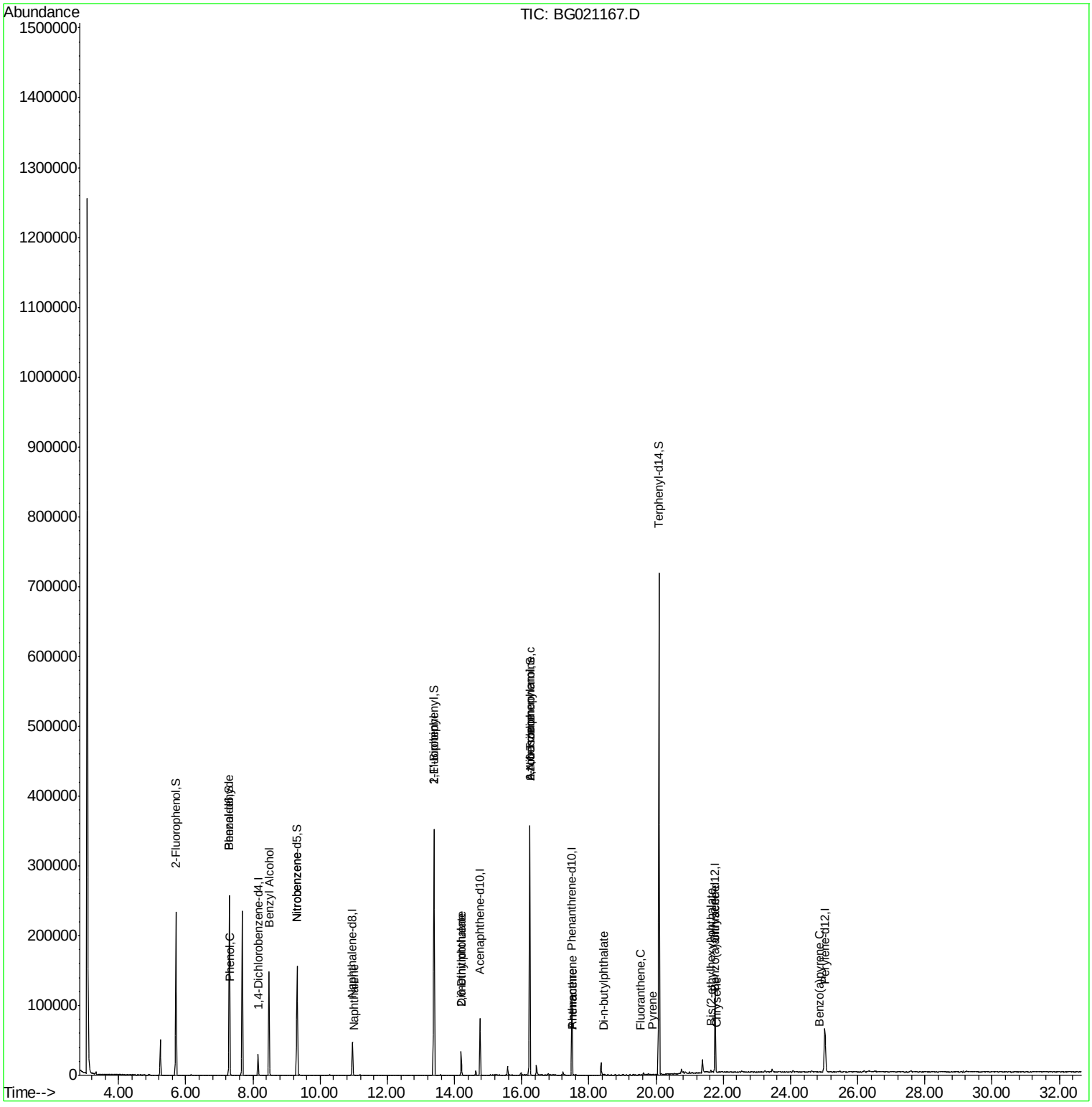
(#) = qualifier out of range (m) = manual integration (+) = signals summed

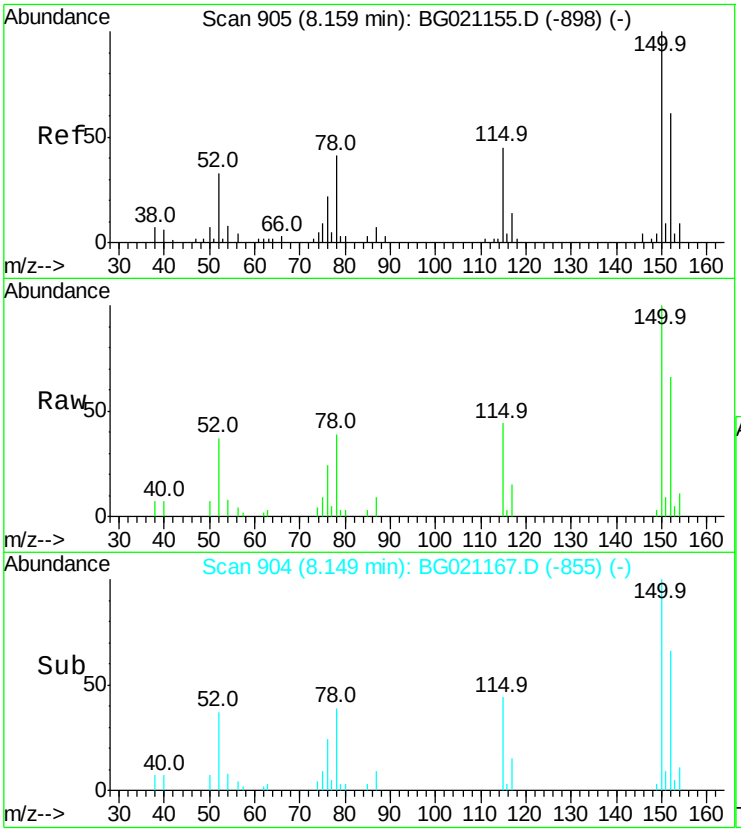
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021167.D
Acq On : 29 Feb 2016 22:51
Operator : UM/SJ
Sample : H1603-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Quant Time: Feb 29 23:59:46 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 17:40:25 2016
Response via : Initial Calibration



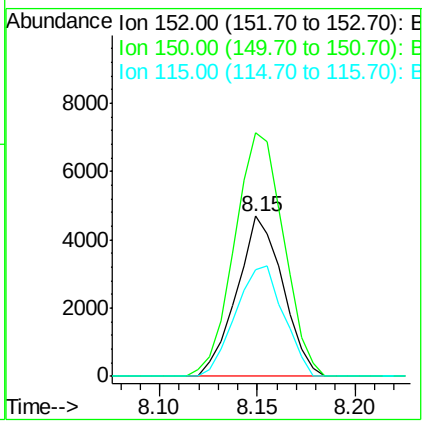


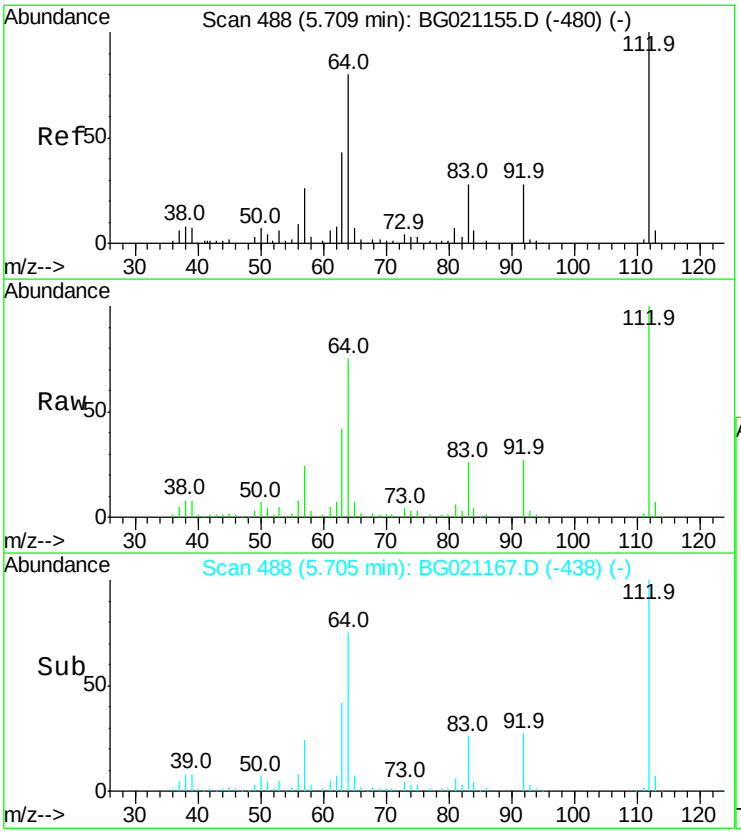

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:152 Resp: 7653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.2 | 123.4 | 185.2 |
| 115 | 66.9 | 43.3 | 64.9# |

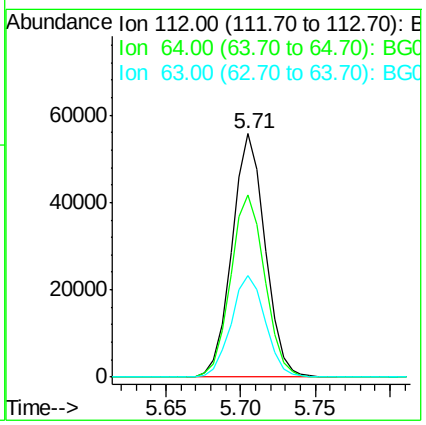


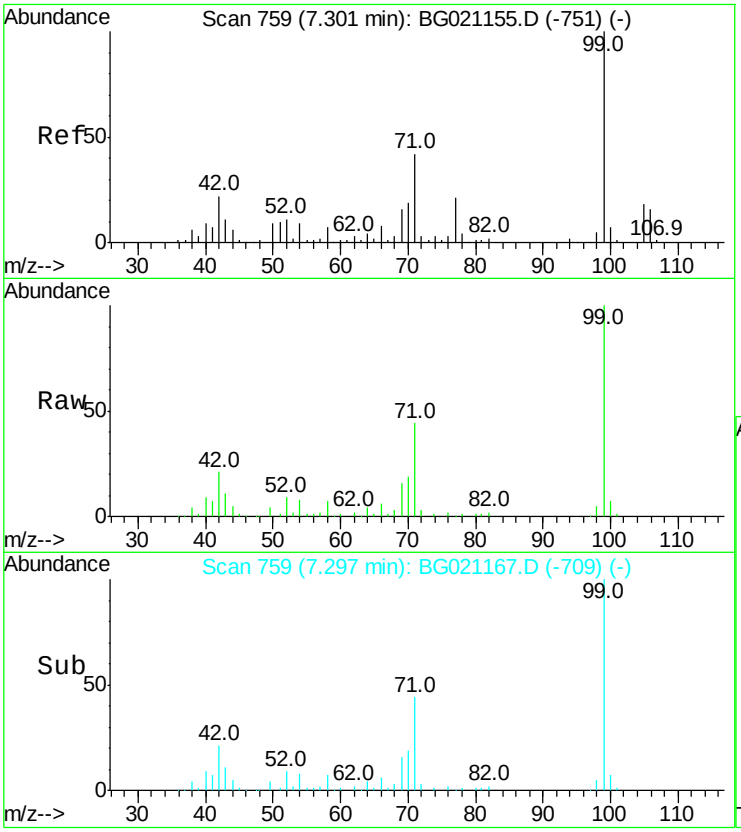




#5
2-Fluorophenol
Concen: 178.72 ng
RT: 5.71 min Scan# 488
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:112 Resp: 86033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 74.9 | 42.6 | 63.8# |
| 63 | 41.8 | 21.7 | 32.5# |



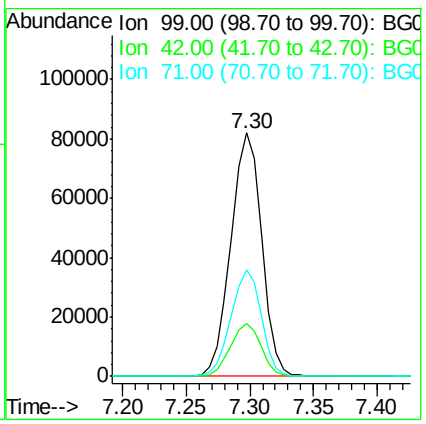


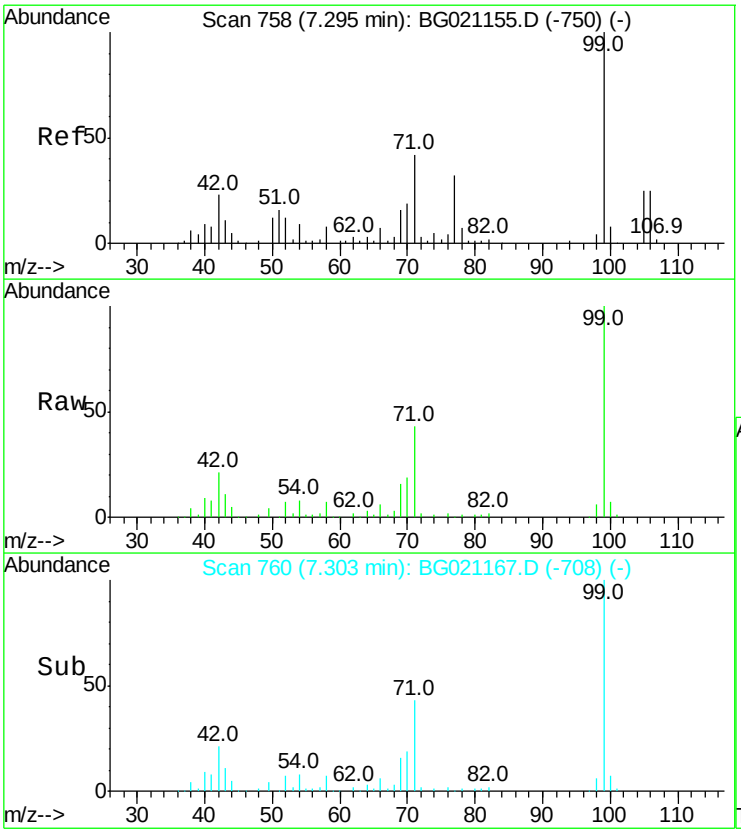

#7
Phenol-d6
Concen: 174.30 ng
RT: 7.30 min Scan# 759
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion: 99 Resp: 137969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.5 | 13.2 | 19.8# |
| 71 | 43.8 | 25.2 | 37.8# |

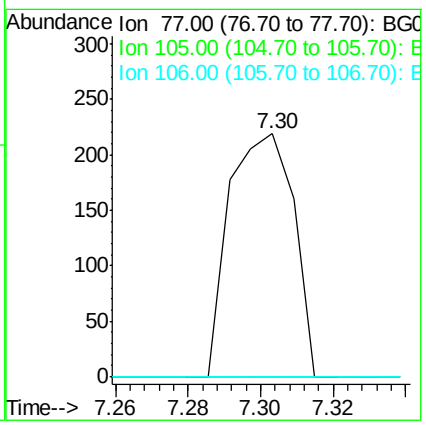


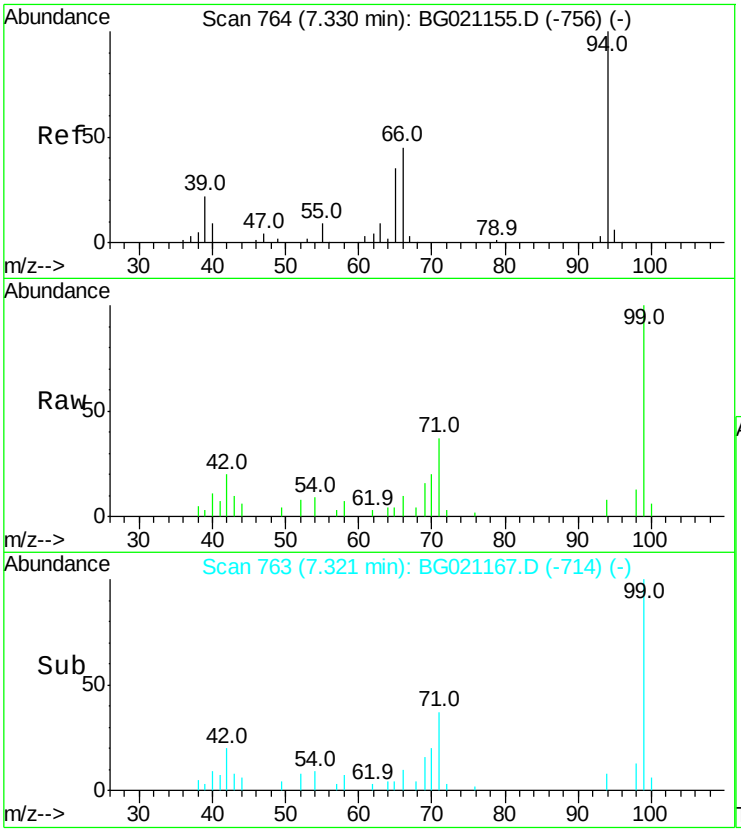




#9
Benzaldehyde
Concen: 0.54 ng
RT: 7.30 min Scan# 760
Delta R.T. 0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion: 77 Resp: 269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 77.4 | 117.4# |
| 106 | 0.0 | 72.8 | 112.8# |



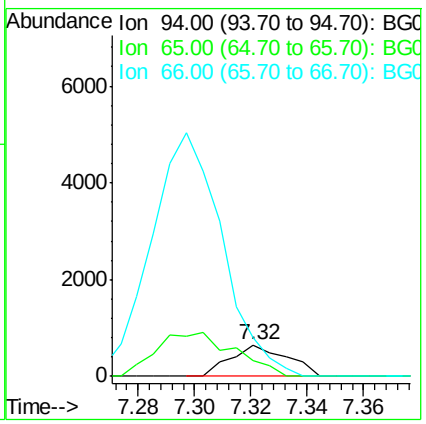


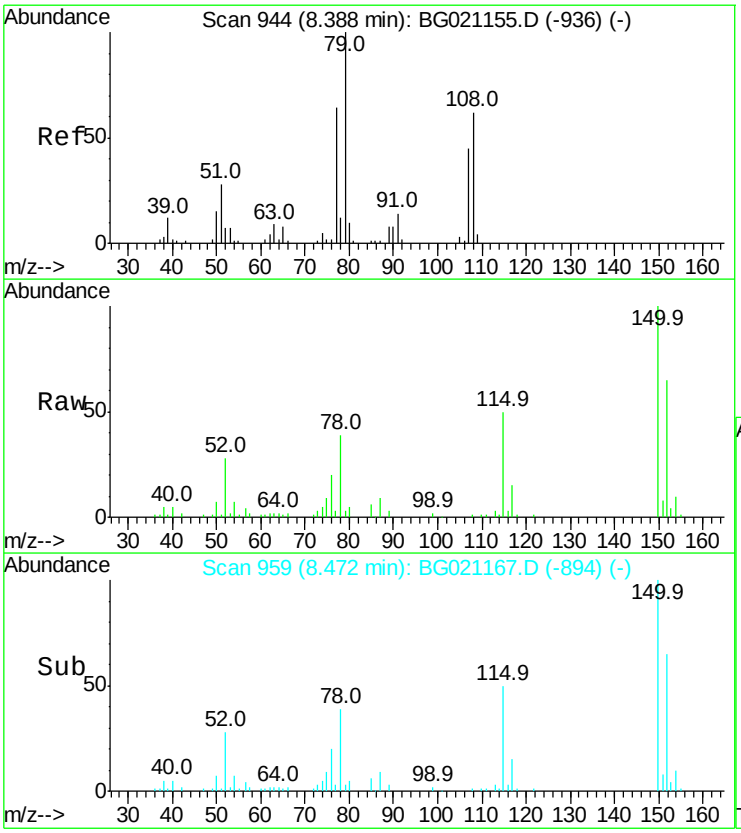

#10
Phenol
Concen: 1.07 ng
RT: 7.32 min Scan# 763
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion: 94 Resp: 904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 50.2 | 7.2 | 47.2# |
| 66 | 123.0 | 15.4 | 55.4# |

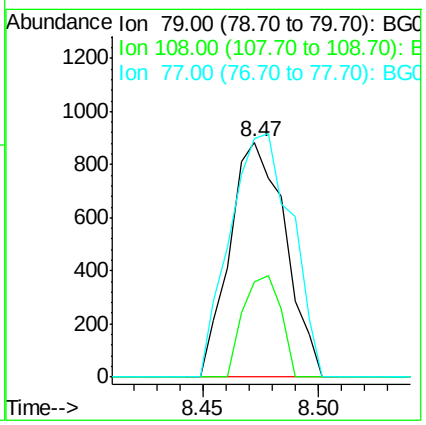


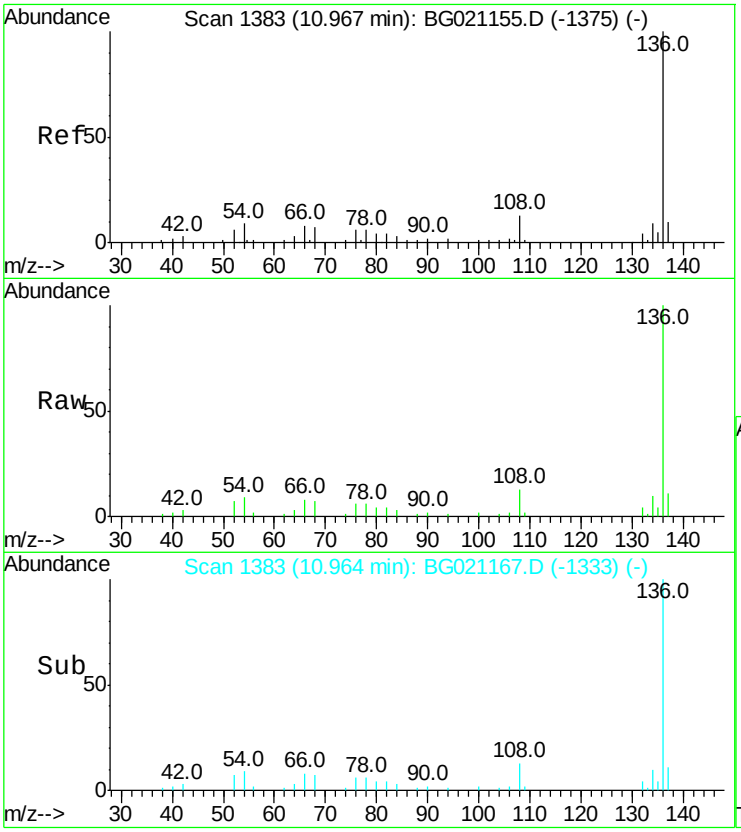




#15
Benzyl Alcohol
Concen: 2.04 ng
RT: 8.47 min Scan# 959
Delta R.T. 0.08 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion: 79 Resp: 1478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 40.4 | 65.1 | 97.7# |
| 77 | 101.1 | 53.8 | 80.8# |



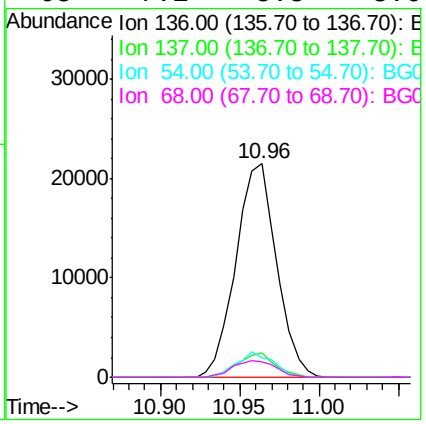


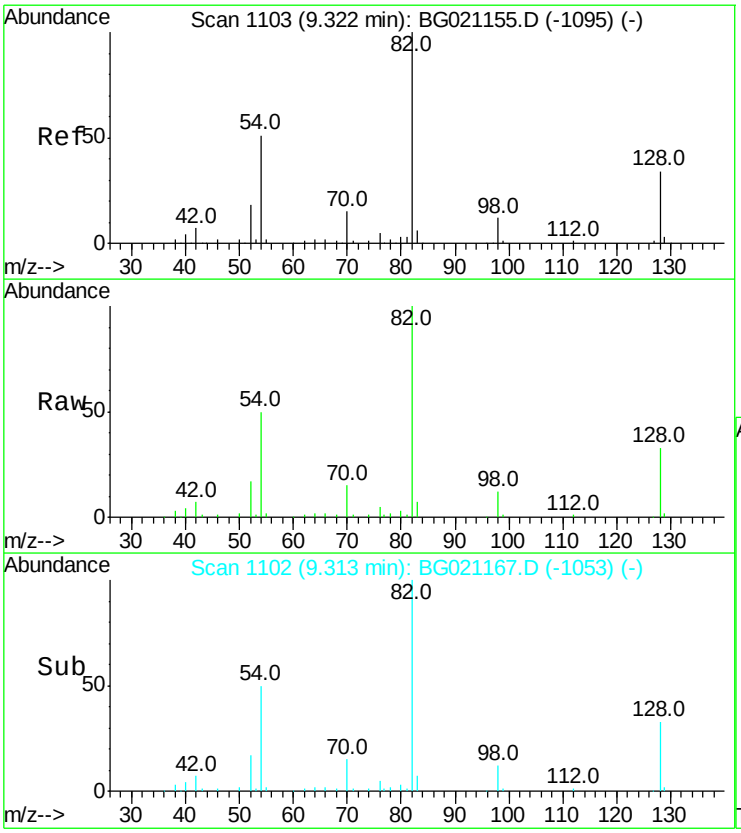

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.96 min Scan# 1383
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:136 Resp: 38333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.8 | 13.2 |
| 54 | 9.1 | 6.9 | 10.3 |
| 68 | 7.1 | 5.8 | 8.6 |

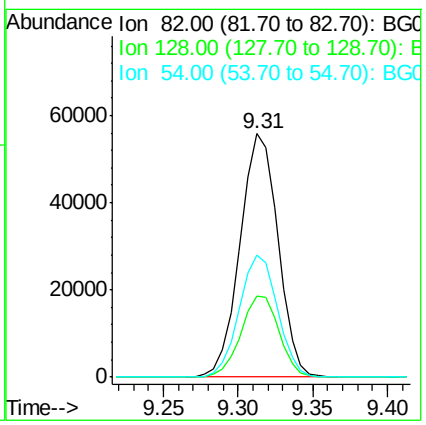


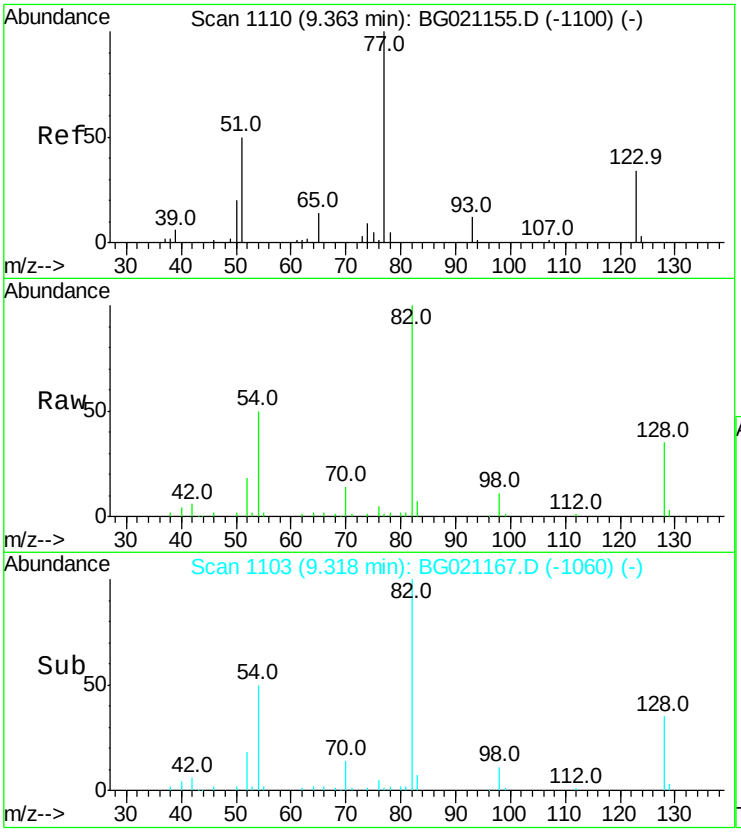




#23
Nitrobenzene-d5
Concen: 108.17 ng
RT: 9.31 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion: 82 Resp: 97987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 33.3 | 36.3 | 54.5# |
| 54 | 50.0 | 37.6 | 56.4 |



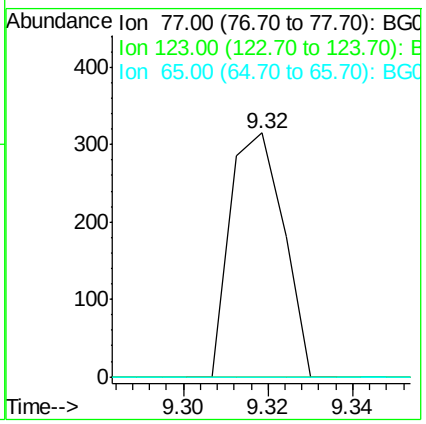


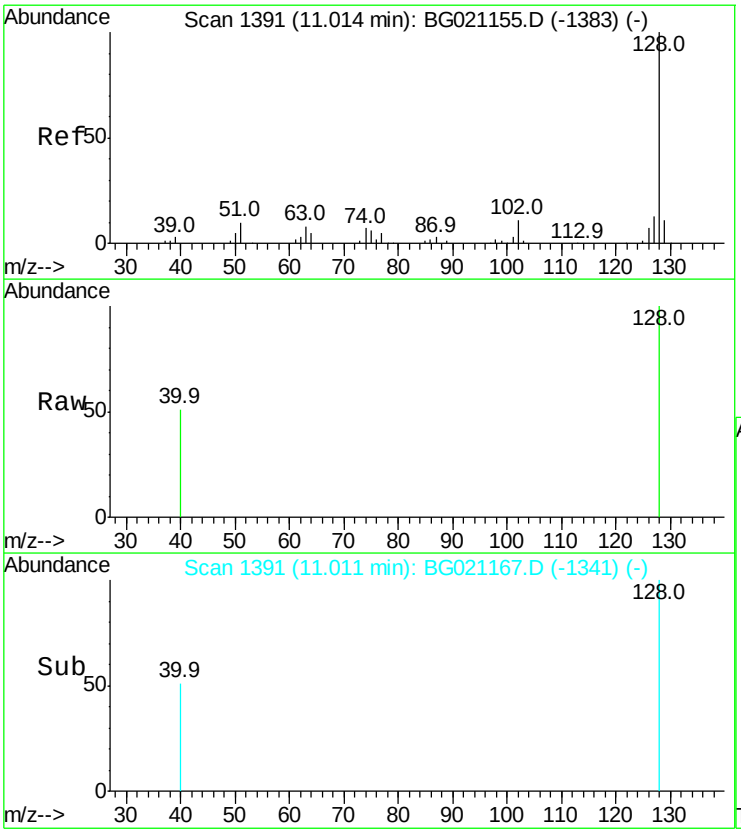

#24
Nitrobenzene
Concen: 0.28 ng
RT: 9.32 min Scan# 1103
Delta R.T. -0.04 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion: 77 Resp: 276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 35.8 | 53.6# |
| 65 | 0.0 | 10.6 | 16.0# |

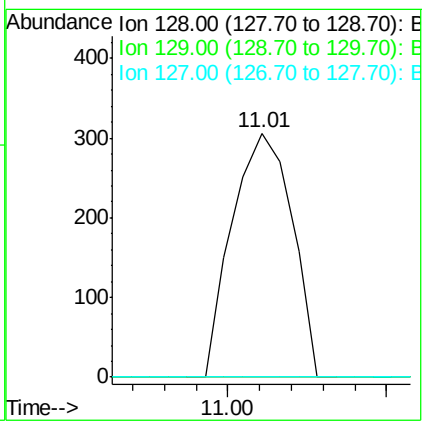


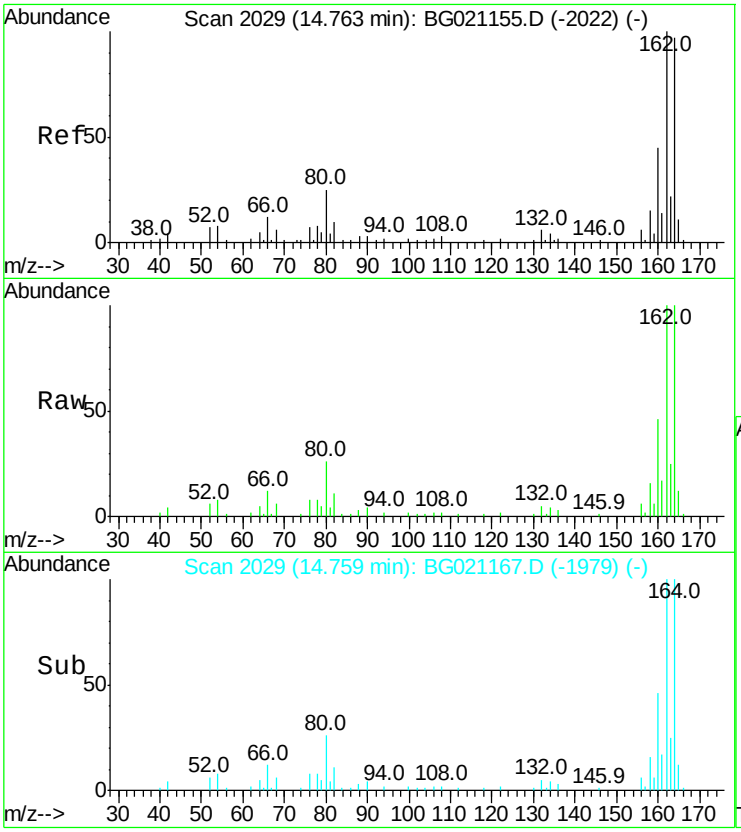




#31
Naphthalene
Concen: 0.20 ng
RT: 11.01 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:128 Resp: 401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 0.0 | 9.4 | 14.2# |
| 127 | 0.0 | 10.8 | 16.2# |



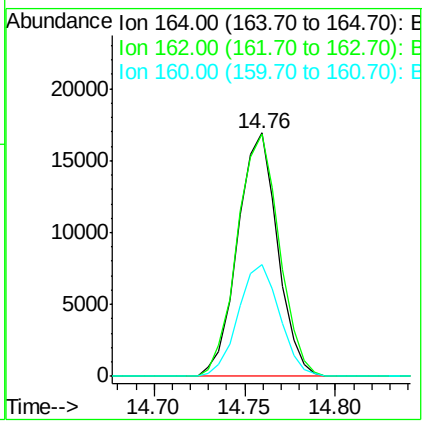


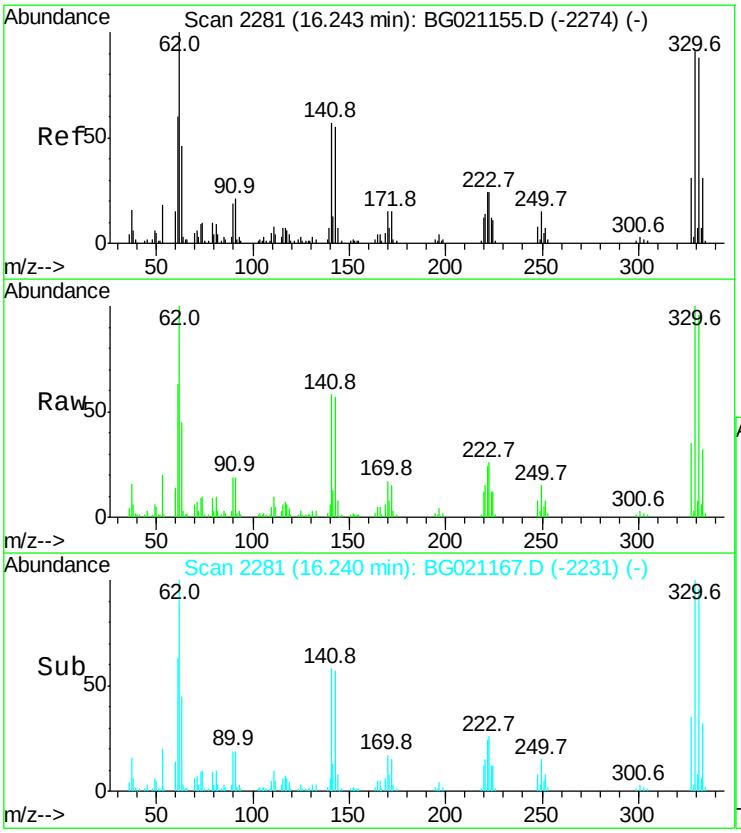

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:164 Resp: 25864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.6 | 80.6 | 120.8 |
| 160 | 46.1 | 36.5 | 54.7 |

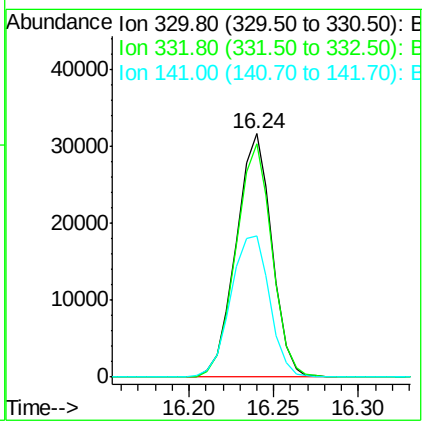


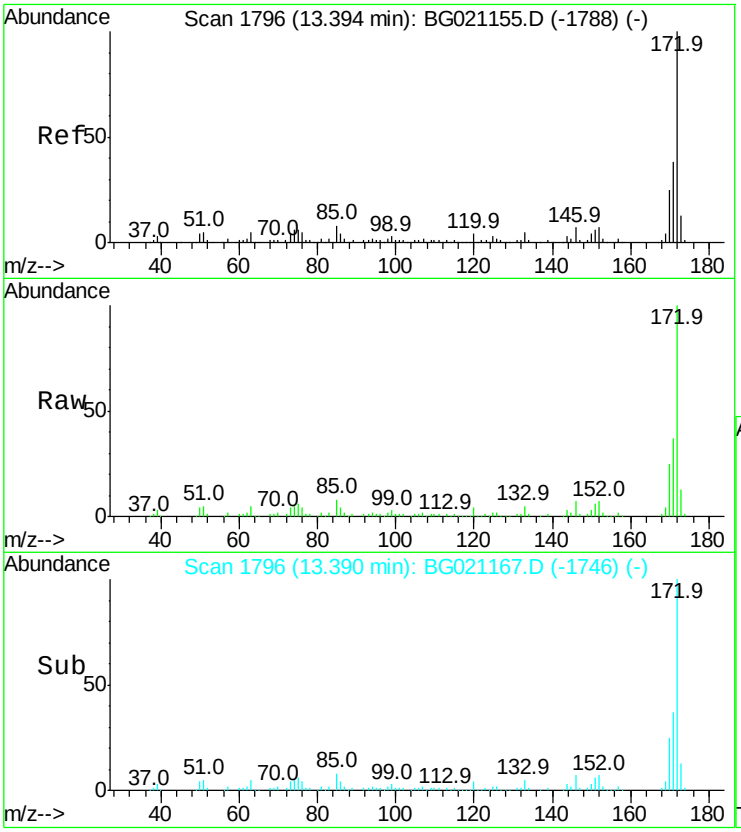




#41
2,4,6-Tribromophenol
Concen: 172.38 ng
RT: 16.24 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:330 Resp: 46388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.4 | 116.0 |
| 141 | 63.1 | 35.3 | 52.9# |



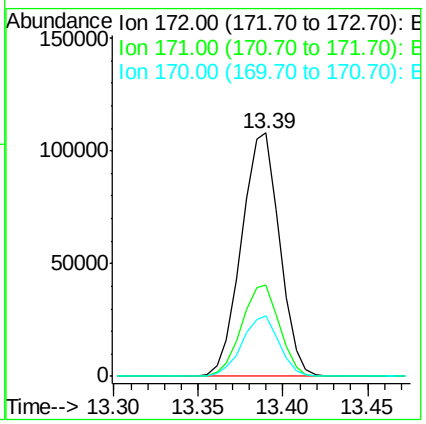


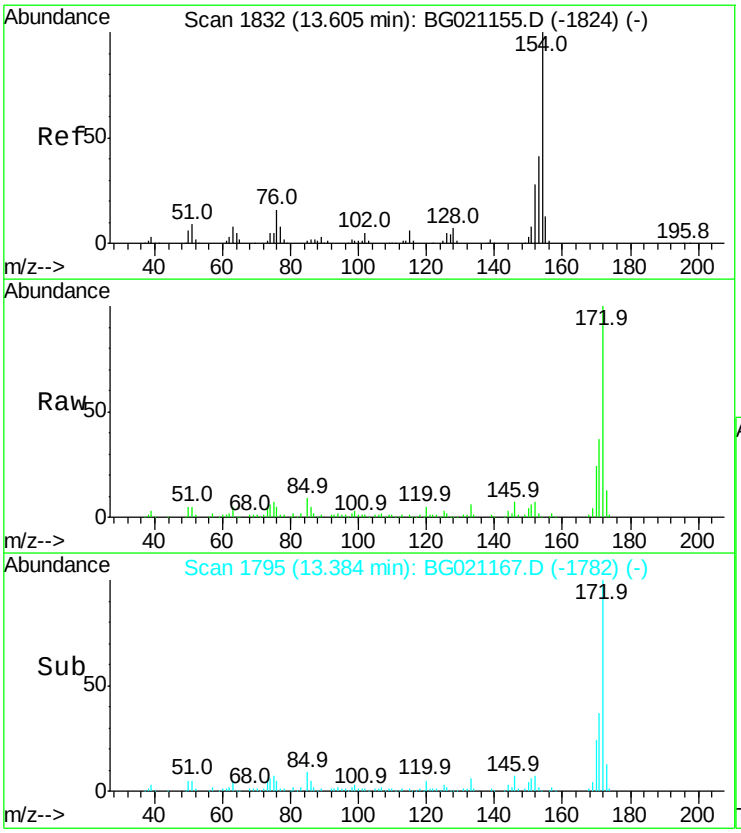

#44
2-Fluorobiphenyl
Concen: 93.08 ng
RT: 13.39 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:172 Resp: 169537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 29.4 | 44.0 |
| 170 | 25.1 | 19.8 | 29.8 |

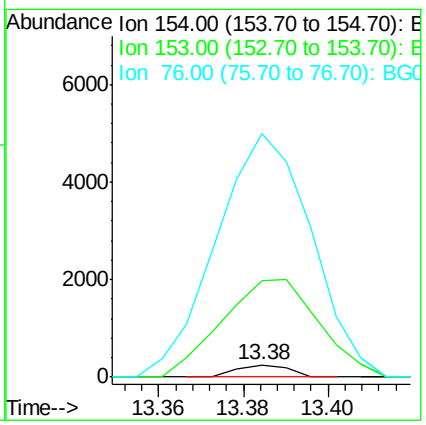


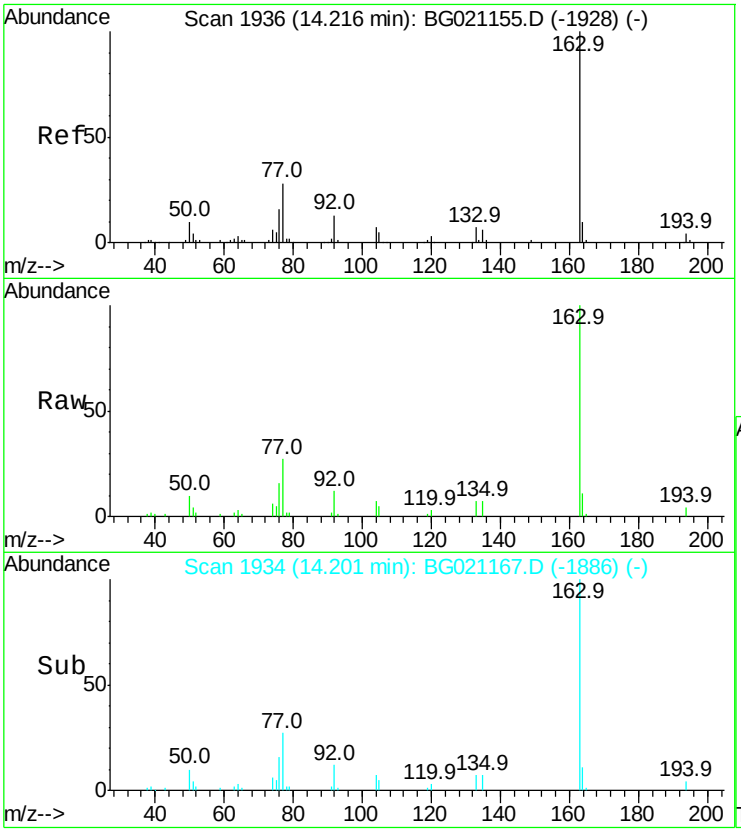




#45
1,1'-Biphenyl
Concen: 0.10 ng
RT: 13.38 min Scan# 1795
Delta R.T. -0.22 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:154 Resp: 218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 806.1 | 19.8 | 59.8# |
| 76 | 2029.7 | 0.0 | 33.6# |



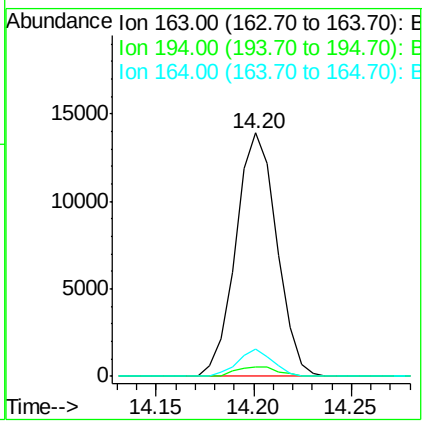


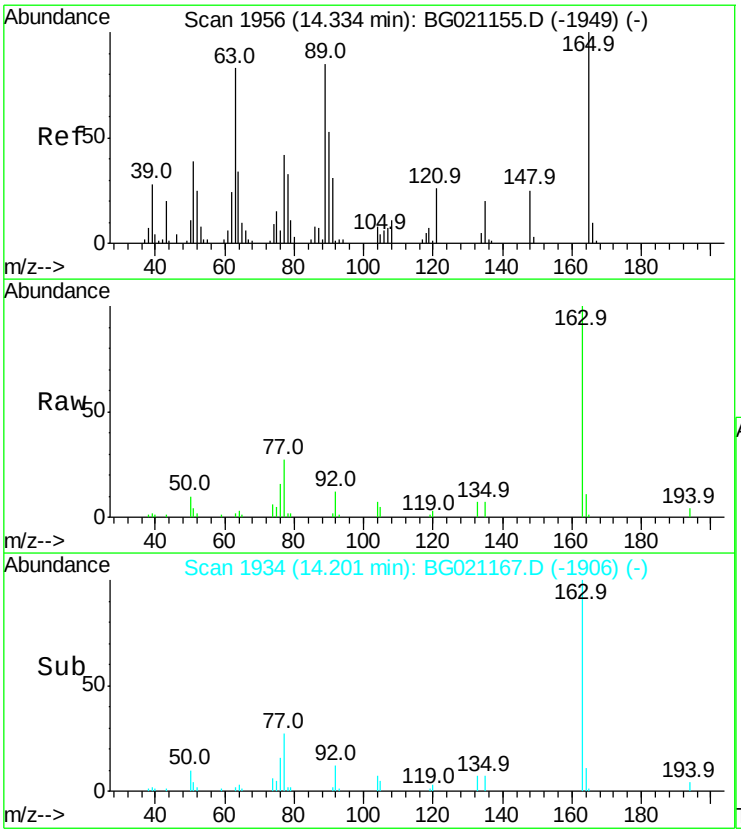

#49
Dimethylphthalate
Concen: 8.75 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.02 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:163 Resp: 20178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 2.8 | 4.2 |
| 164 | 11.3 | 7.9 | 11.9 |

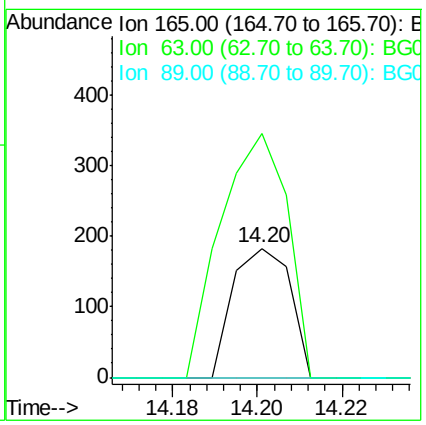


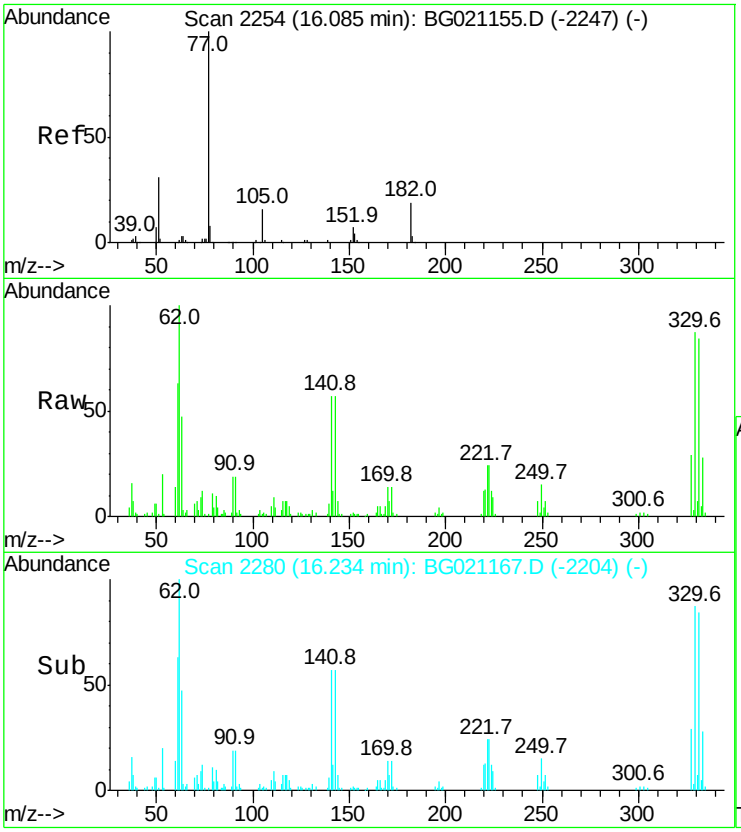




#50
2,6-Dinitrotoluene
Concen: 0.36 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.13 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:165 Resp: 173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 188.5 | 42.1 | 63.1# |
| 89 | 0.0 | 46.1 | 69.1# |



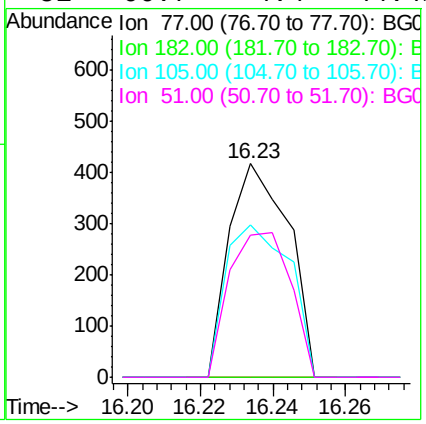


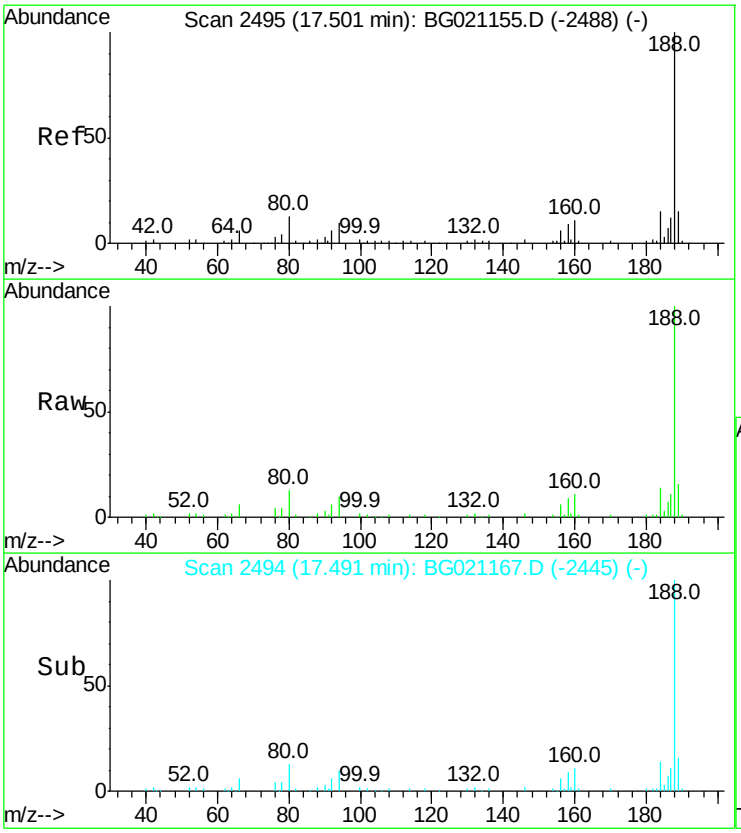

#62
Azobenzene
Concen: 0.17 ng
RT: 16.23 min Scan# 2280
Delta R.T. 0.15 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion: 77 Resp: 474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 0.7 | 40.7# |
| 105 | 71.2 | 0.0 | 38.3# |
| 51 | 66.7 | 4.4 | 44.4# |

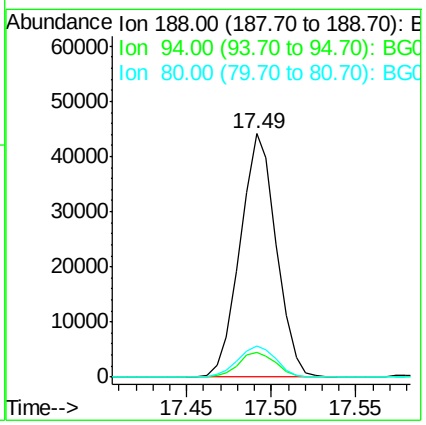


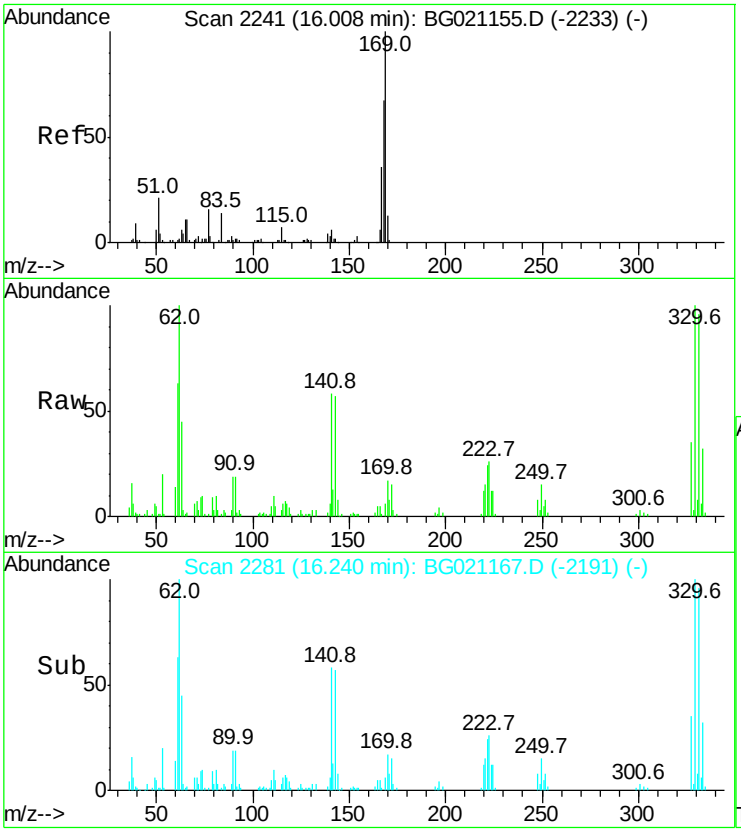




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.49 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:188 Resp: 65623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.1 | 8.2 | 12.4 |
| 80 | 12.9 | 9.2 | 13.8 |



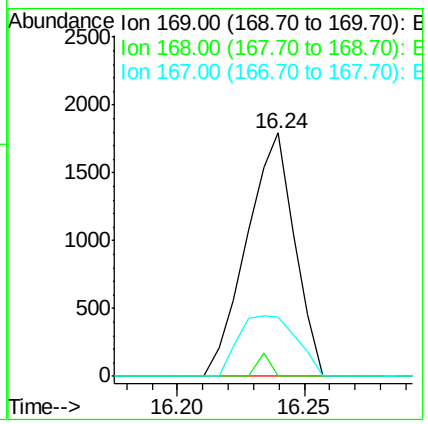


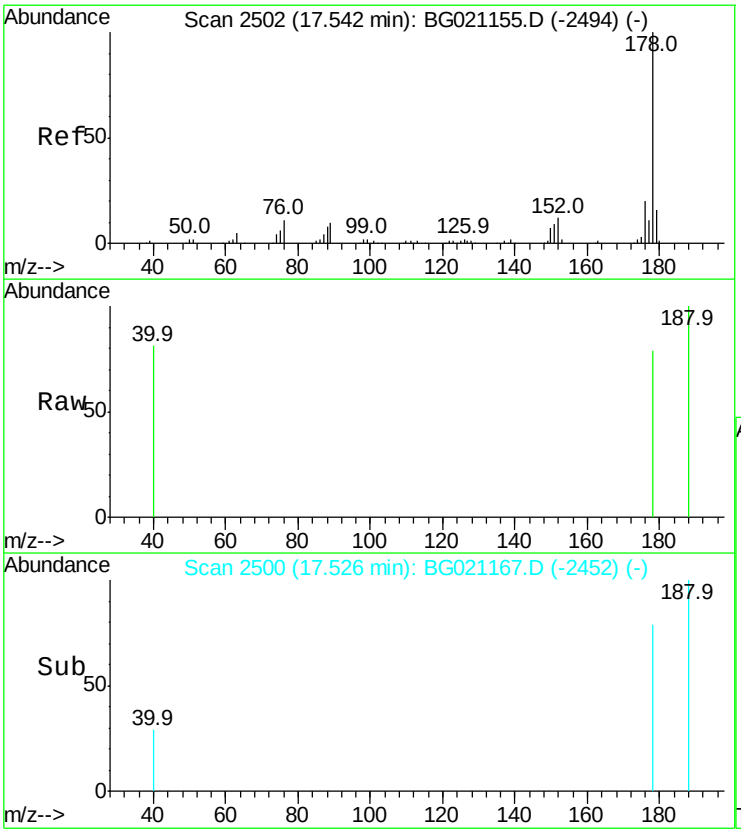

#65
n-Nitrosodiphenylamine
Concen: 1.17 ng
RT: 16.24 min Scan# 2281
Delta R.T. 0.23 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:169 Resp: 2358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 0.0 | 58.2 | 87.2# |
| 167 | 24.2 | 31.0 | 46.6# |

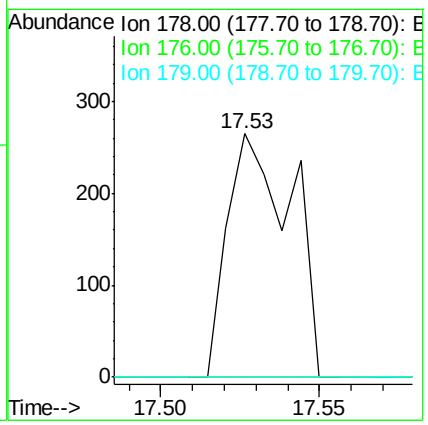


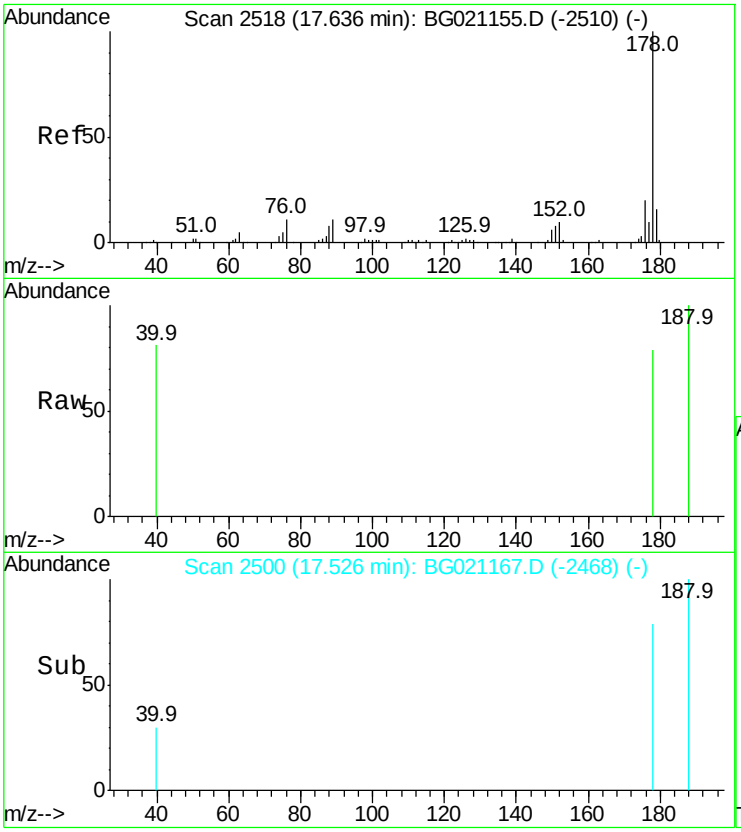




#70
Phenanthrene
Concen: 0.10 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:178 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 16.2 | 24.4# |
| 179 | 0.0 | 12.9 | 19.3# |



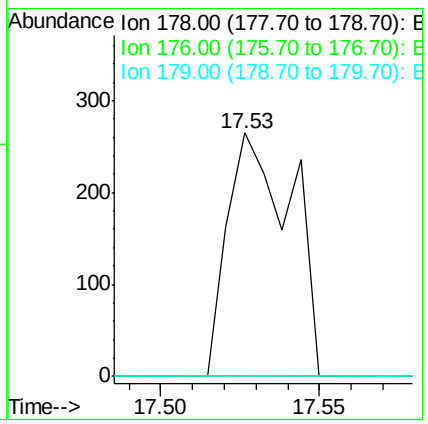


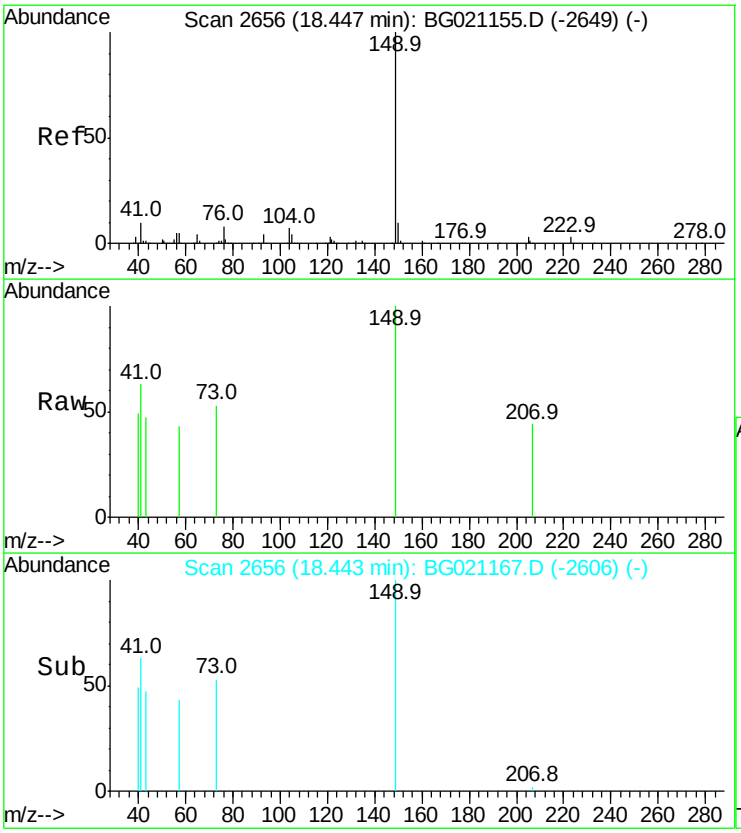

#71
Anthracene
Concen: 0.10 ng
RT: 17.53 min Scan# 2500
Delta R.T. -0.11 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:178 Resp: 368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 0.0 | 14.8 | 22.2# |
| 179 | 0.0 | 12.6 | 19.0# |

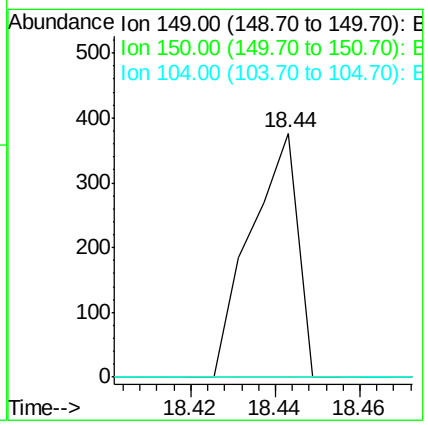


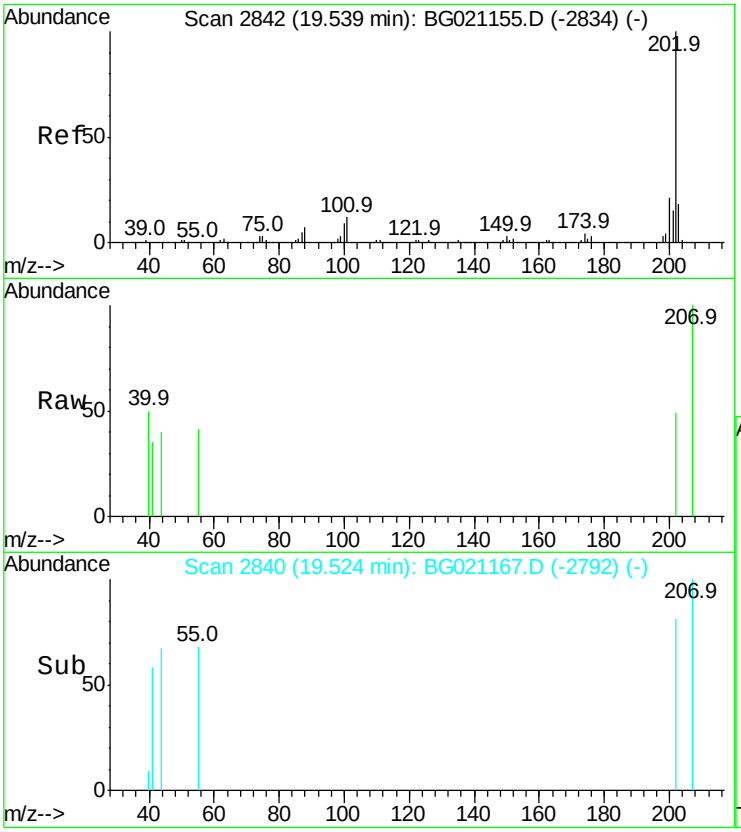




#73
Di-n-butylphthalate
Concen: 0.06 ng
RT: 18.44 min Scan# 2656
Delta R.T. -0.00 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:149 Resp: 293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 0.0 | 7.6 | 11.4# |
| 104 | 0.0 | 4.1 | 6.1# |



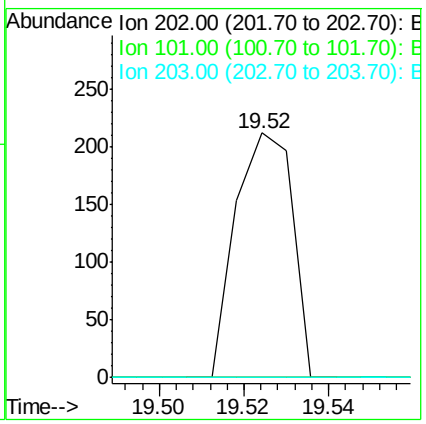


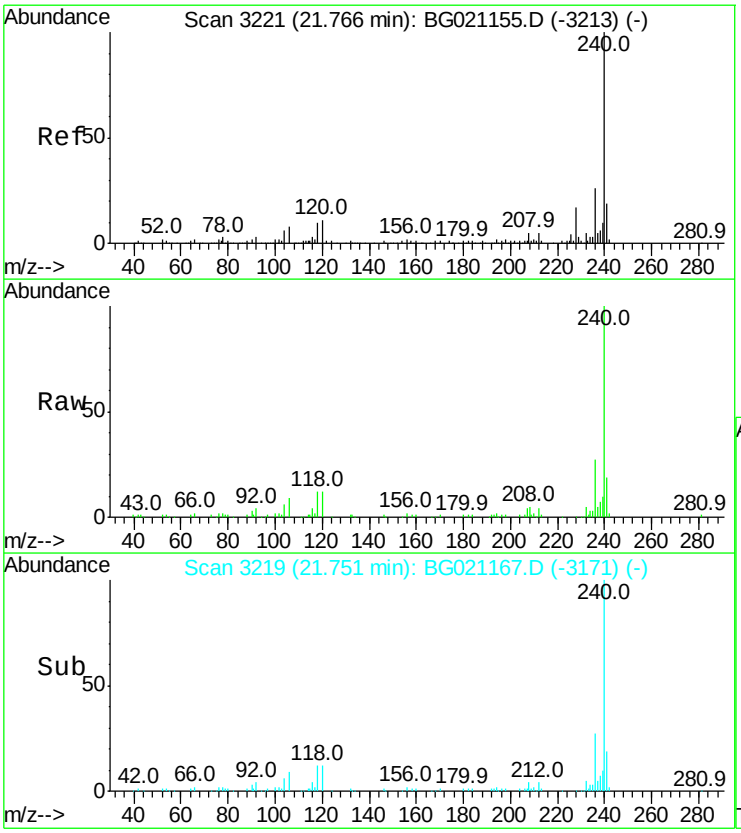

#74
Fluoranthene
Concen: 0.05 ng
RT: 19.52 min Scan# 2840
Delta R.T. -0.02 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:202 Resp: 198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 0.0 | 0.0 | 32.5 |
| 203 | 0.0 | 0.0 | 37.6 |

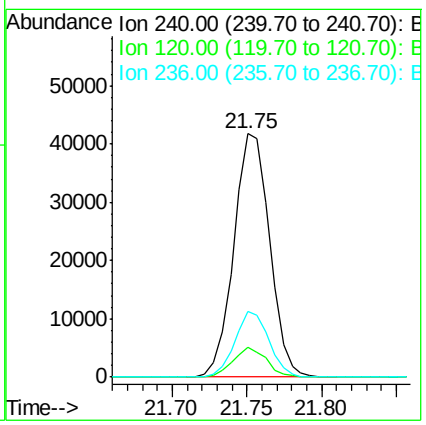


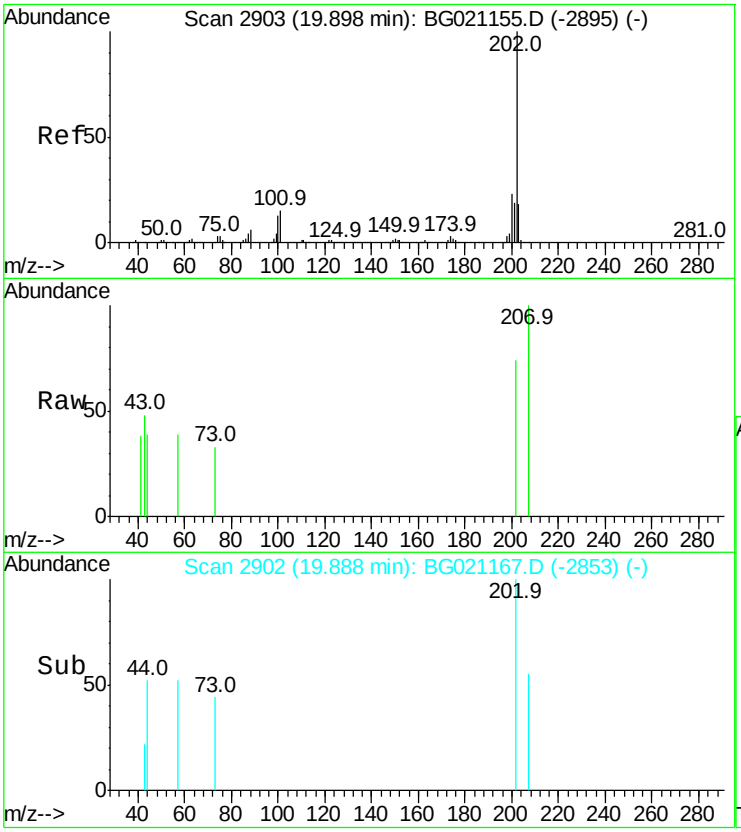




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.75 min Scan# 3219
Delta R.T. -0.02 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:240 Resp: 69447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 7.5 | 11.3# |
| 236 | 27.1 | 20.5 | 30.7 |



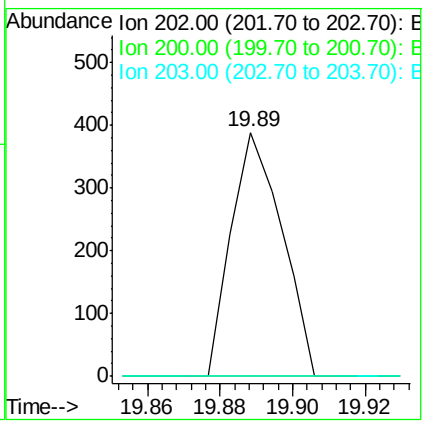


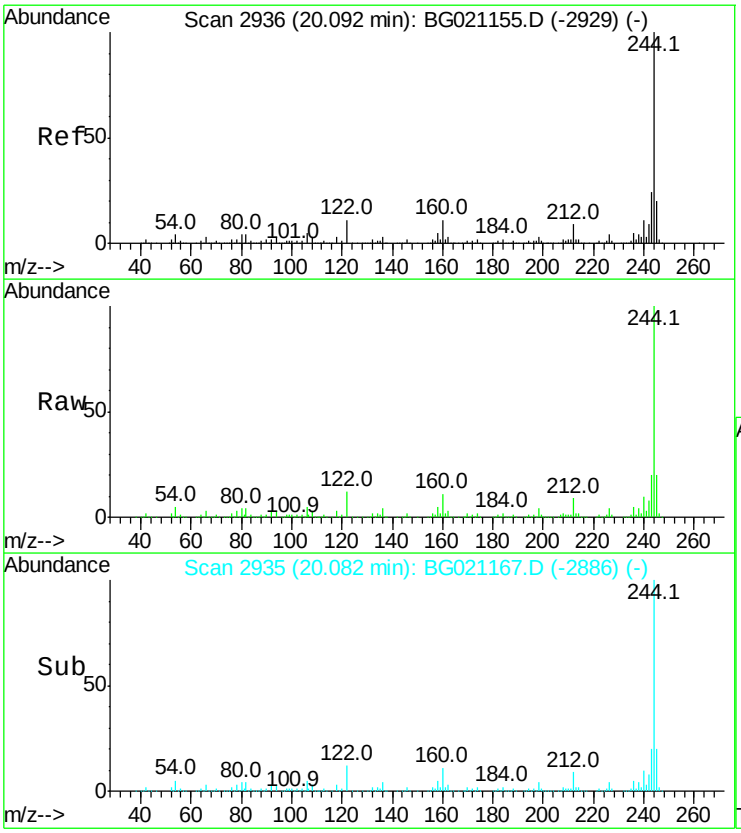

#77
Pyrene
Concen: 0.09 ng
RT: 19.89 min Scan# 2902
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:202 Resp: 376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 0.0 | 16.6 | 25.0# |
| 203 | 0.0 | 13.8 | 20.8# |

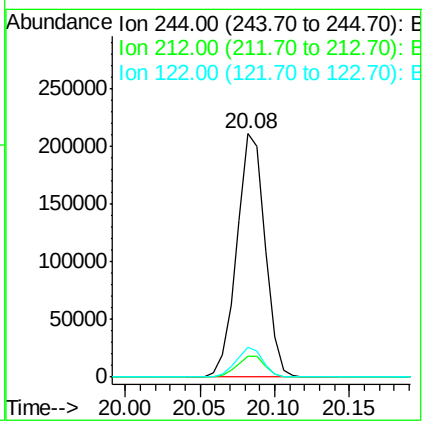


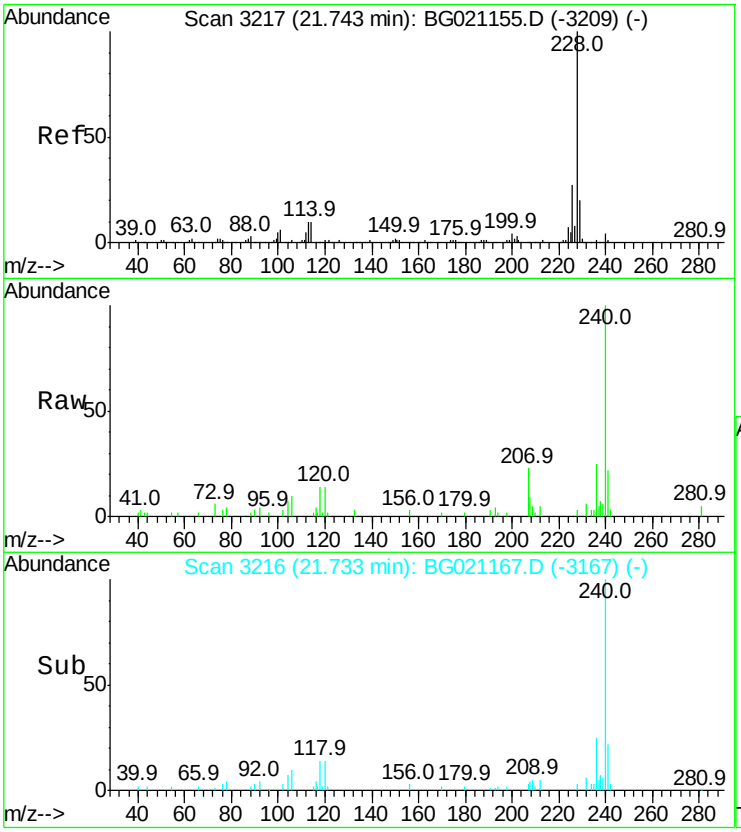




#78
Terphenyl-d14
Concen: 96.32 ng
RT: 20.08 min Scan# 2935
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:244 Resp: 276126

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 5.8 | 8.6# |
| 122 | 12.2 | 8.3 | 12.5 |



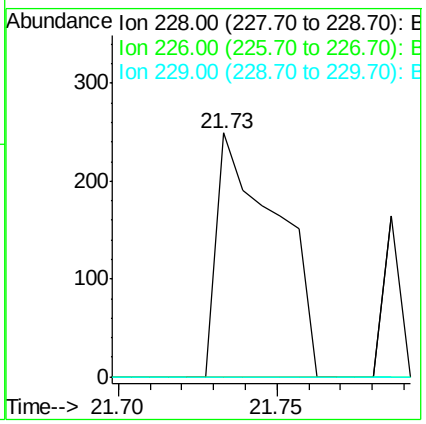


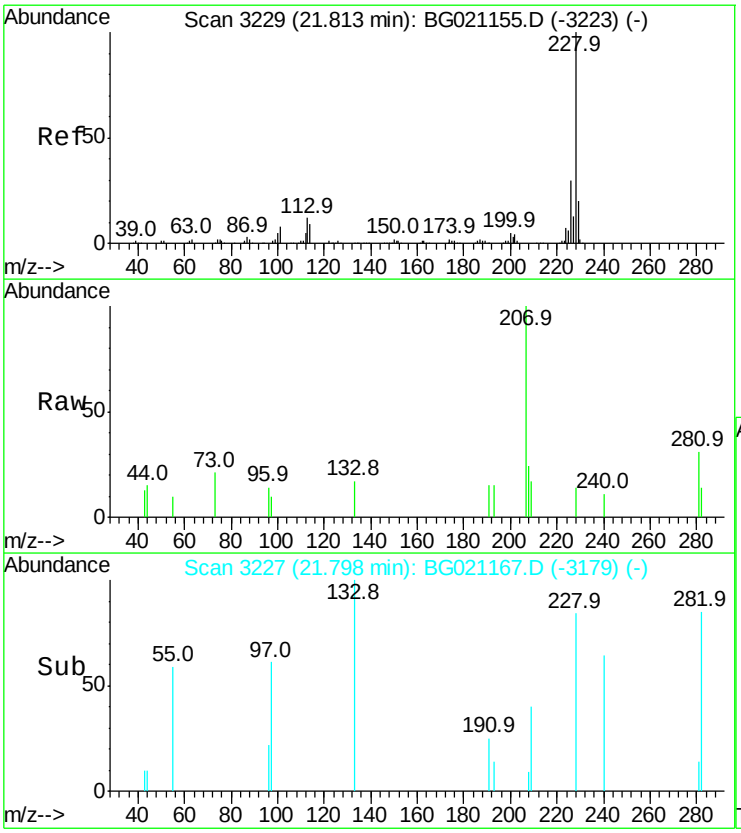

#80
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:228 Resp: 328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 22.7 | 34.1# |
| 229 | 0.0 | 15.5 | 23.3# |

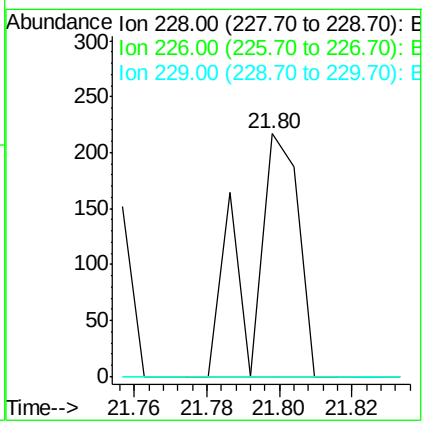


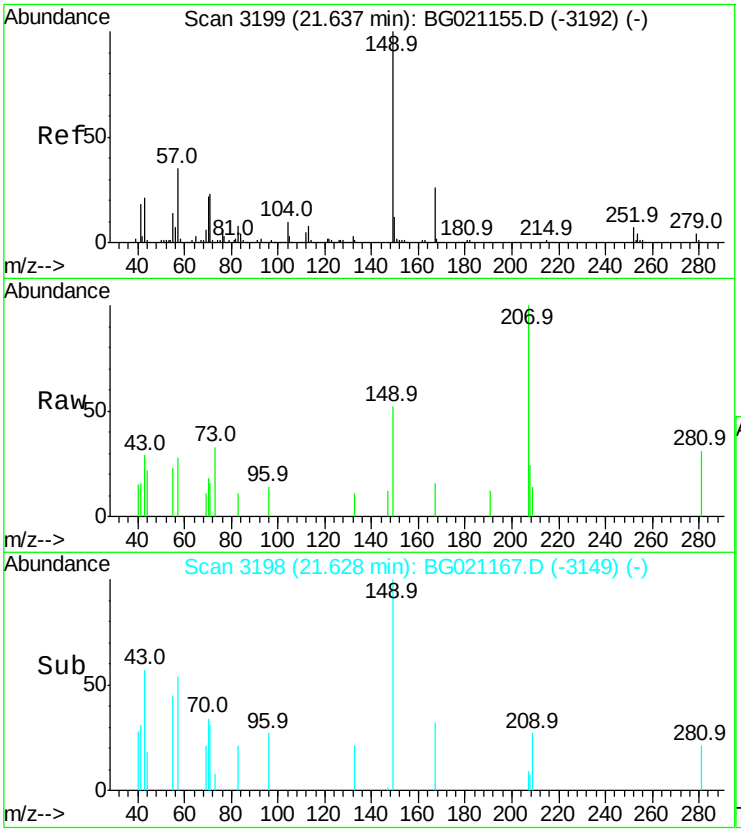




#82
Chrysene
Concen: 0.05 ng
RT: 21.80 min Scan# 3227
Delta R.T. -0.02 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:228 Resp: 200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 23.7 | 35.5# |
| 229 | 0.0 | 16.7 | 25.1# |



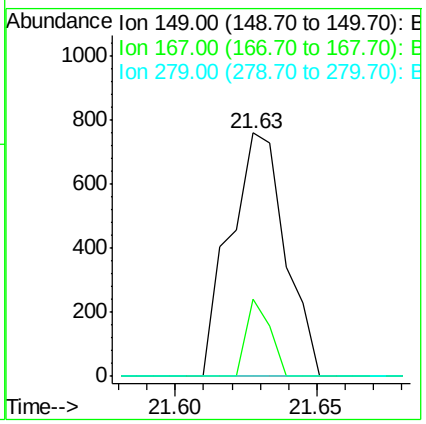


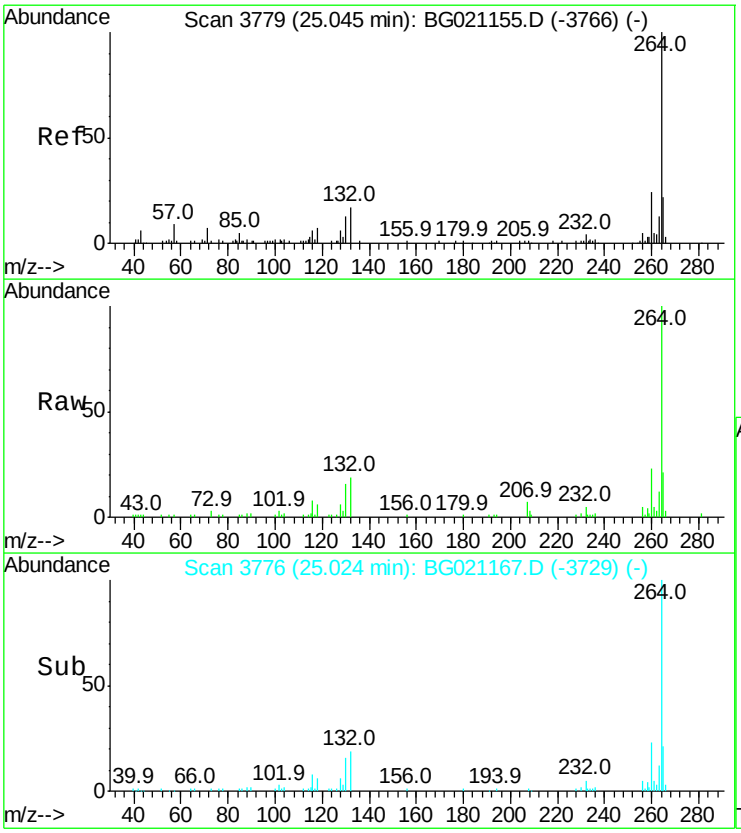

#83
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng
RT: 21.63 min Scan# 3198
Delta R.T. -0.01 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:149 Resp: 1028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 31.9 | 18.9 | 28.3# |
| 279 | 0.0 | 3.0 | 4.6# |

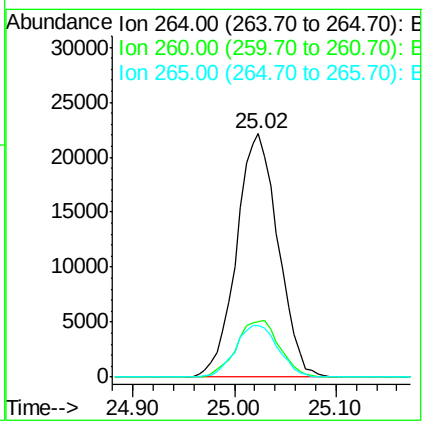


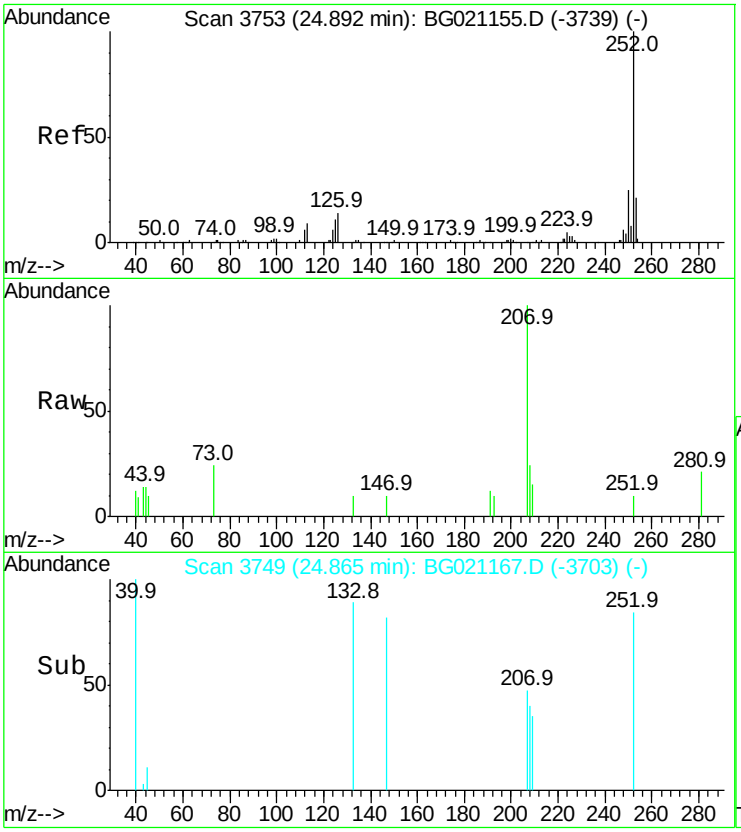




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.02 min Scan# 3776
Delta R.T. -0.02 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

Tgt Ion:264 Resp: 62837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.9 | 18.5 | 27.7 |
| 265 | 21.2 | 18.6 | 28.0 |






#89
Benzo(a)pyrene
Concen: 0.02 ng
RT: 24.86 min Scan# 3749
Delta R.T. -0.03 min
Lab File: BG021167.D
Acq: 29 Feb 2016 22:51

**Instrument :**
BNA_G
**ClientSampleId :**
SB-41(6-8)

Tgt Ion:252 Resp: 62

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 15.8 | 23.8# |
| 125 | 0.0 | 8.4 | 12.6# |