Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
Data File : BG019123.D
Acq On : 10 Oct 2015 18:43
Operator : UM/NP
Sample : G3929-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 12 06:36:14 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 | 16385 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 71256 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 53137 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 135685 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.68 | 240 | 166649 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 24.90 | 264 | 159900 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 51690 | 64.23 | ng | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 48198 | 38.99 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 146526 | 113.62 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 120459 | 166.36 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 382653 | 110.73 | ng | 0.00 |
| 78) Terphenyl-d14 | 20.02 | 244 | 665053 | 105.42 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.27 | 88 | 54 | 0.16 | ng | # 1 |
| 15) Benzyl Alcohol | 8.36 | 79 | 2185 | 1.98 | ng | # 49 |
| 24) Nitrobenzene | 9.19 | 77 | 509 | 0.37 | ng | # 43 |
| 31) Naphthalene | 11.12 | 128 | 66 | 0.02 | ng | # 1 |
| 45) 1,1'-Biphenyl | 13.29 | 154 | 824 | 0.21 | ng | # 1 |
| 49) Dimethylphthalate | 14.11 | 163 | 2922 | 0.70 | ng | # 88 |
| 59) Diethylphthalate | 15.47 | 149 | 477 | 0.11 | ng | # 59 |
| 62) Azobenzene | 16.15 | 77 | 579 | 0.14 | ng | # 10 |
| 65) n-Nitrosodiphenylamine | 16.15 | 169 | 4458 | 1.19 | ng | # 48 |
| 73) Di-n-butylphthalate | 18.37 | 149 | 1663 | 0.21 | ng | # 77 |
| 77) Pyrene | 20.02 | 202 | 2767 | 0.30 | ng | # 62 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 334 | 0.09 | ng | # 88 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 415 | 0.05 | ng | # 51 |
| 82) Chrysene | 21.67 | 228 | 415 | 0.05 | ng | # 48 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 1135 | 0.21 | ng | # 93 |
| 84) Di-n-octyl phthalate | 22.79 | 149 | 209 | 0.02 | ng | # 1 |
| 89) Benzo(a)pyrene | 24.90 | 252 | 520 | 0.06 | ng | # 61 |

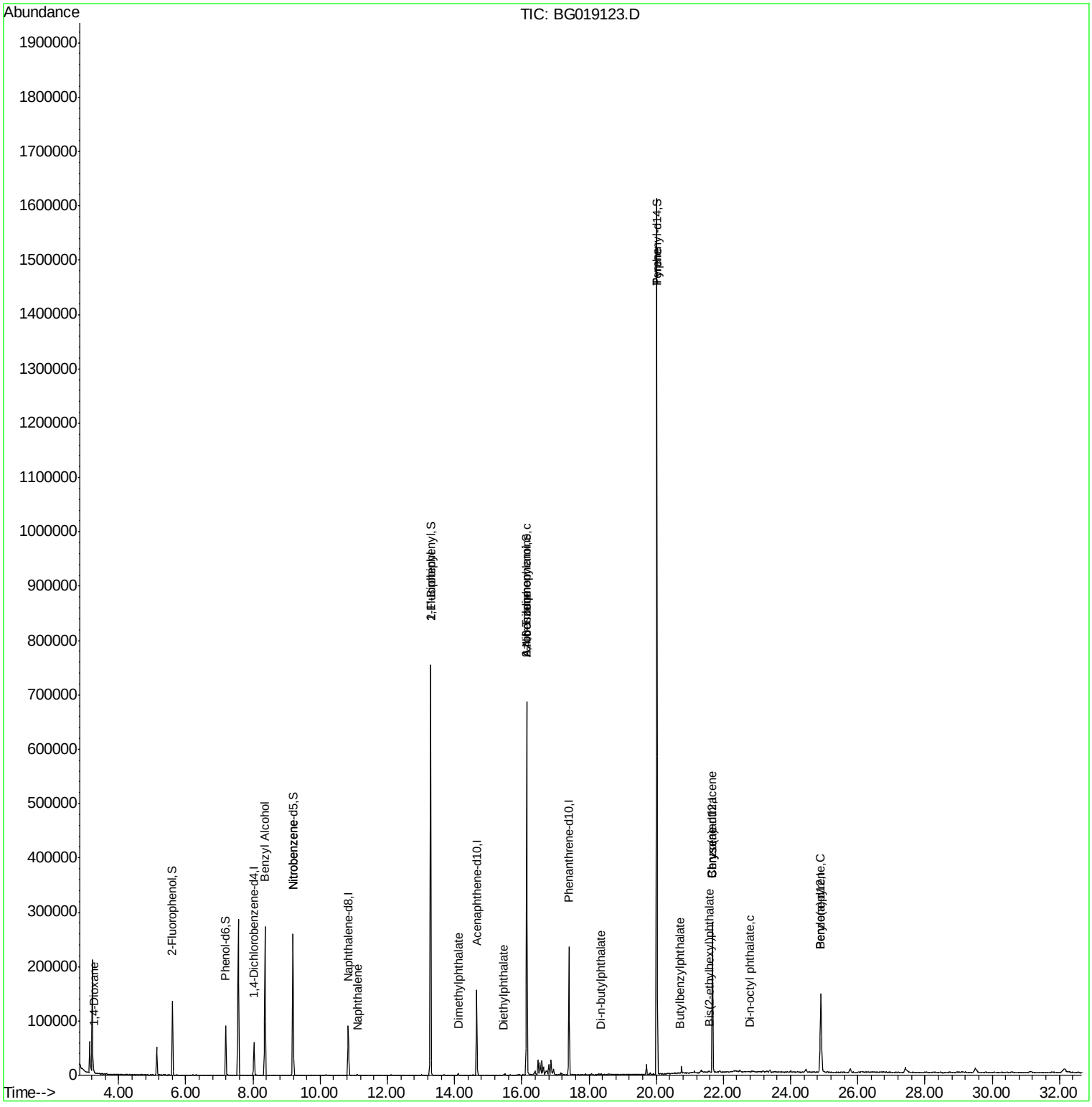
(#) = qualifier out of range (m) = manual integration (+) = signals summed

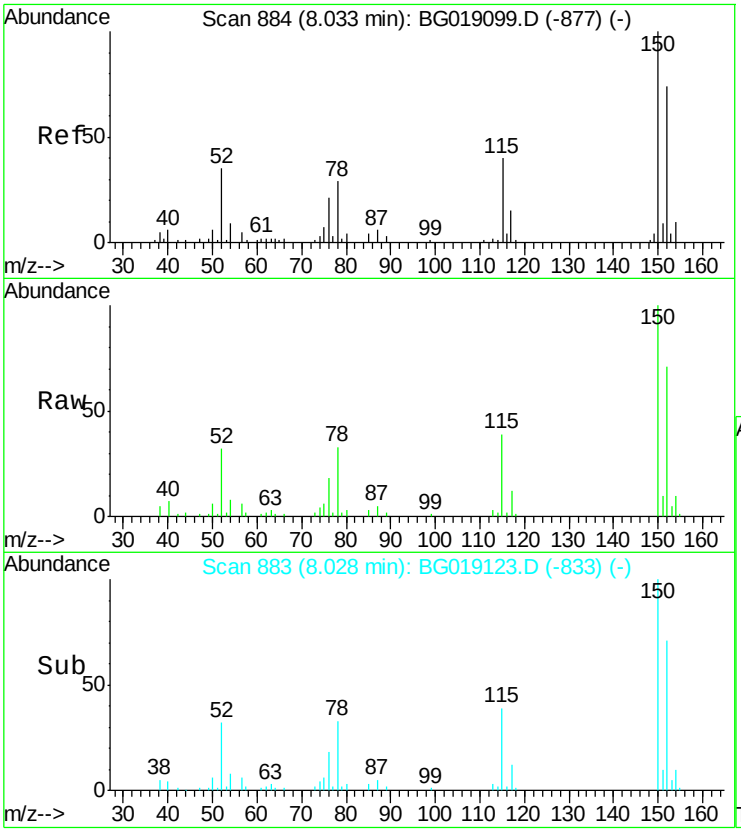
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101015\
Data File : BG019123.D
Acq On : 10 Oct 2015 18:43
Operator : UM/NP
Sample : G3929-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 12 06:36:14 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



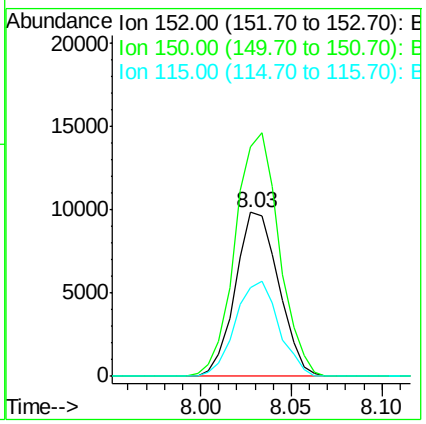


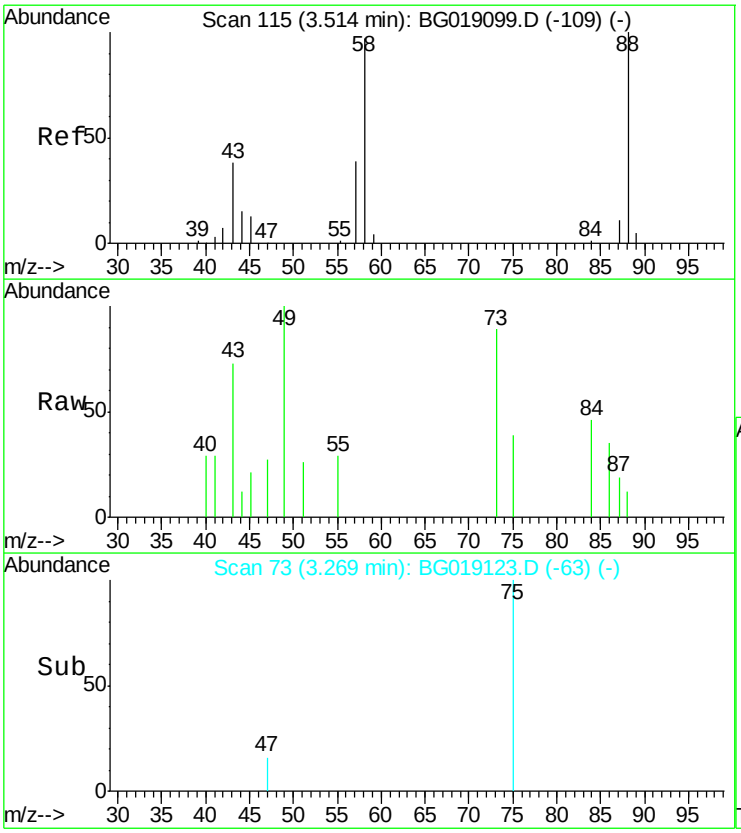

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.03 min Scan# 883
Delta R.T. -0.01 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:152 Resp: 16385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 139.9 | 108.2 | 162.2 |
| 115 | 54.2 | 43.2 | 64.8 |

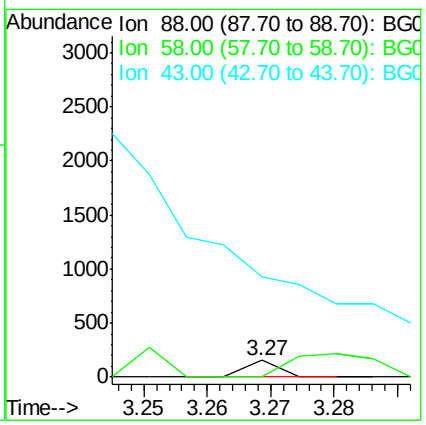


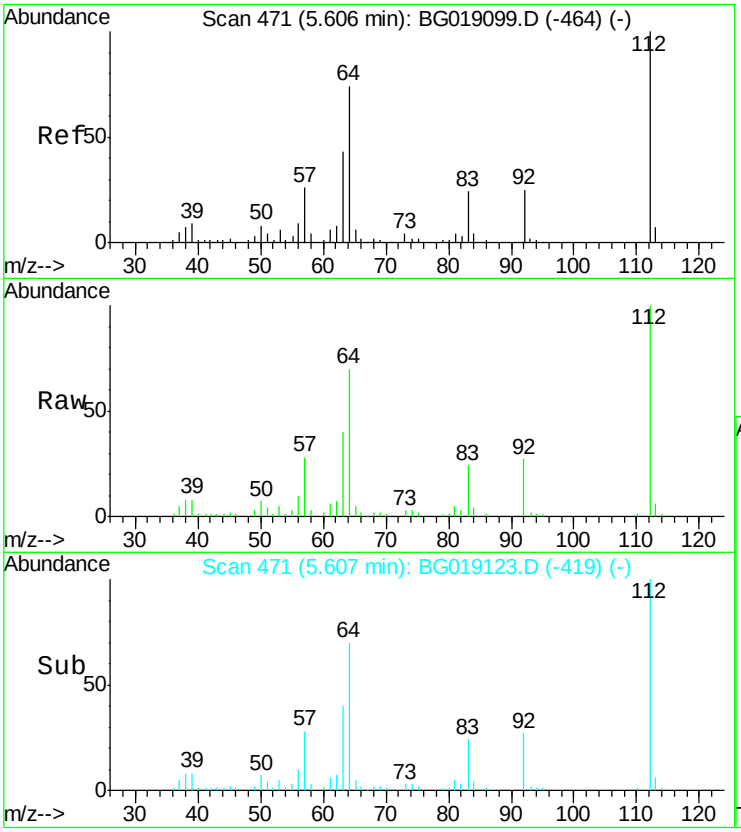




#2
1,4-Dioxane
Concen: 0.16 ng
RT: 3.27 min Scan# 73
Delta R.T. -0.24 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion: 88 Resp: 54

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 381.5 | 81.1 | 121.7# |
| 43 | 0.0 | 31.0 | 46.6# |



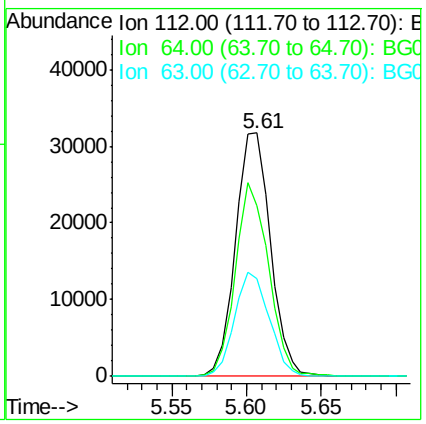


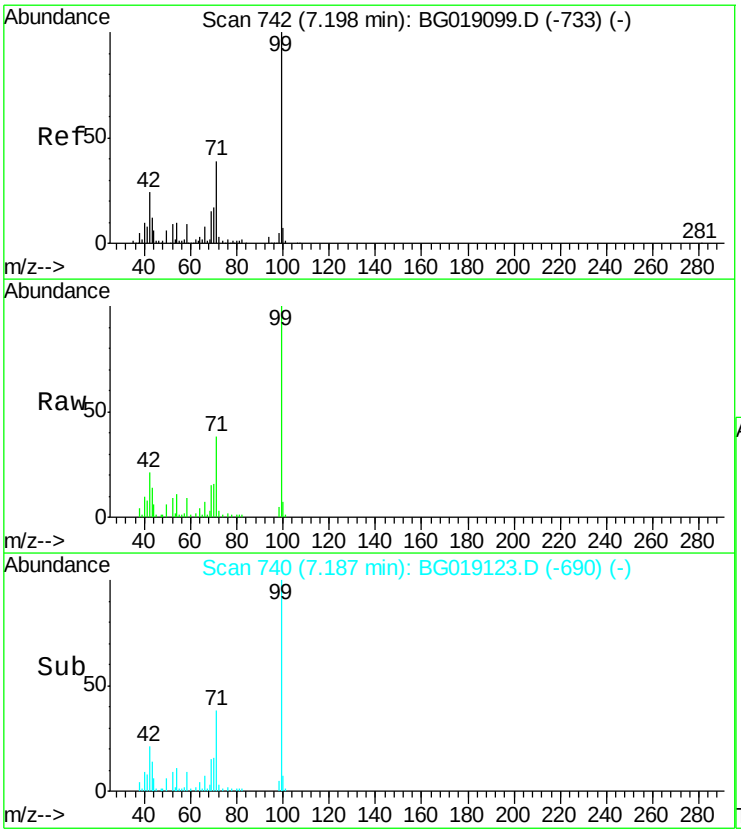

#5
2-Fluorophenol
Concen: 64.23 ng
RT: 5.61 min Scan# 471
Delta R.T. 0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:112 Resp: 51690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.1 | 59.0 | 88.4 |
| 63 | 39.9 | 34.7 | 52.1 |

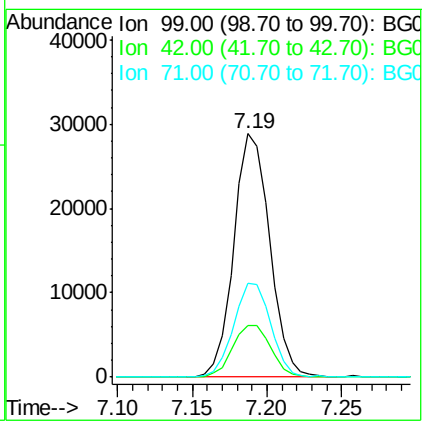


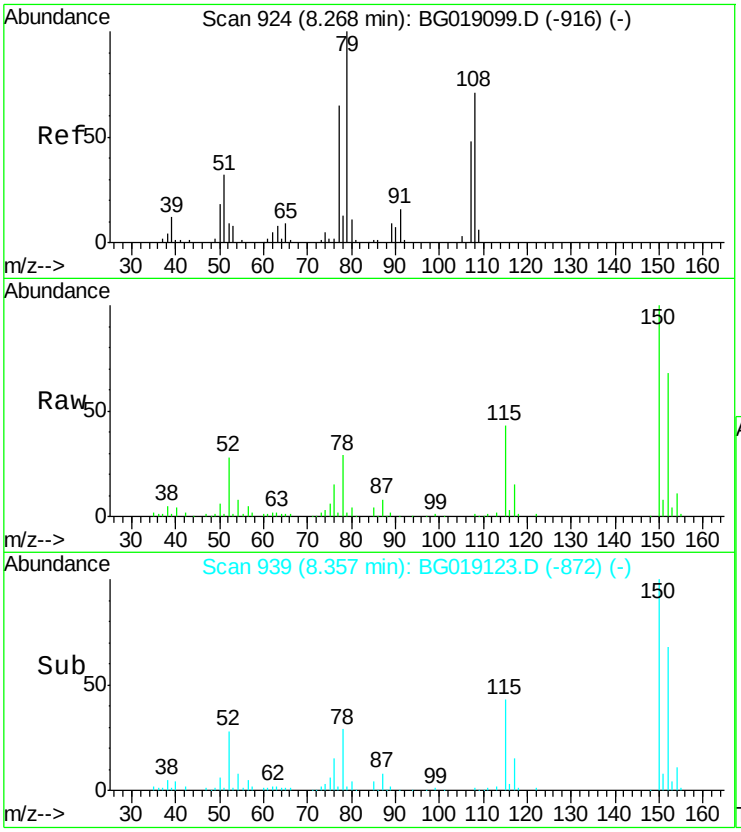




#7
Phenol-d6
Concen: 38.99 ng
RT: 7.19 min Scan# 740
Delta R.T. -0.01 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion: 99 Resp: 48198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.3 | 19.5 | 29.3 |
| 71 | 38.4 | 31.4 | 47.0 |



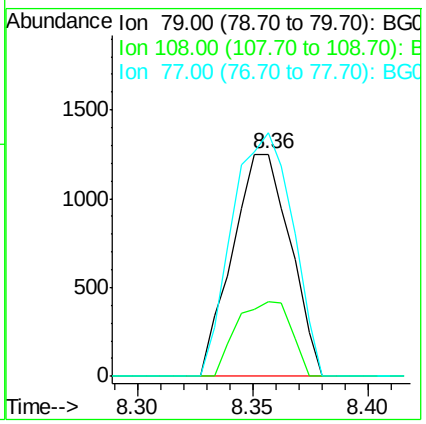


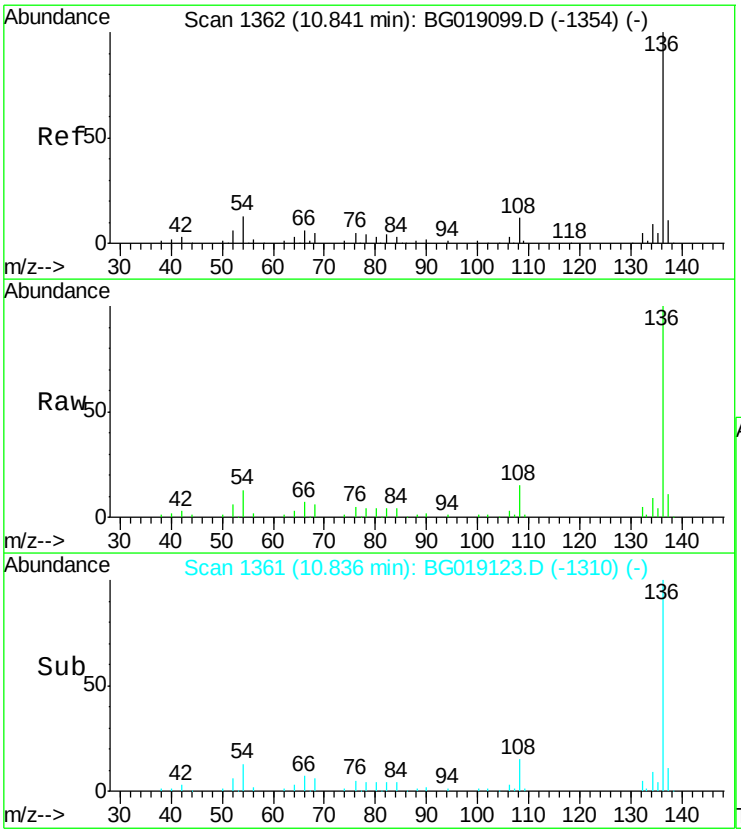

#15
Benzyl Alcohol
Concen: 1.98 ng
RT: 8.36 min Scan# 939
Delta R.T. 0.09 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion: 79 Resp: 2185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 33.7 | 56.6 | 84.8# |
| 77 | 109.6 | 51.6 | 77.4# |

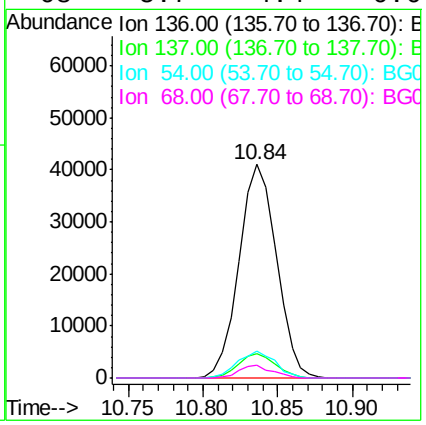


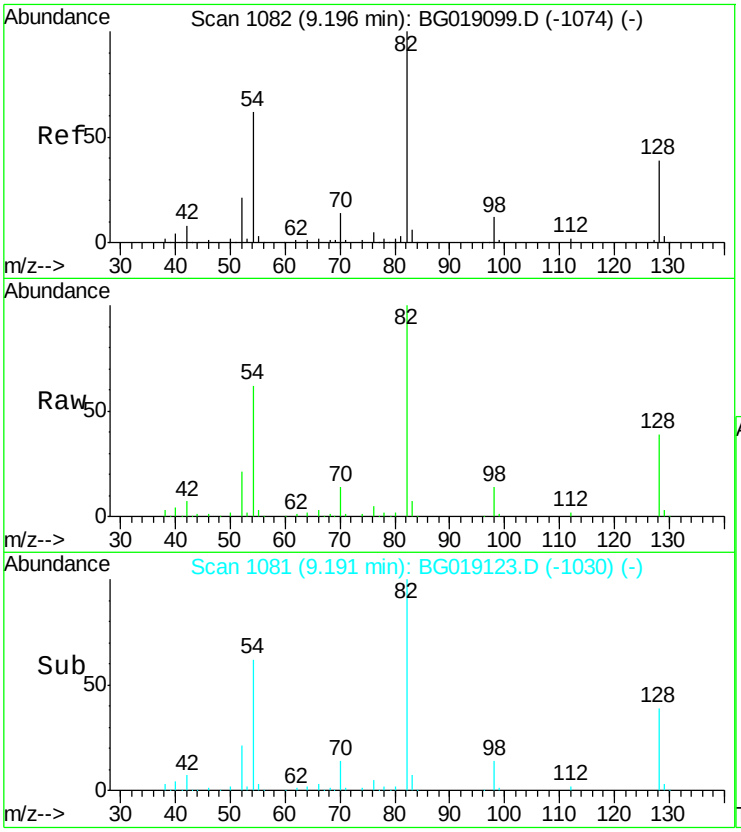




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.84 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:136 Resp: 71256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.4 |
| 54 | 12.7 | 10.1 | 15.1 |
| 68 | 5.7 | 4.4 | 6.6 |



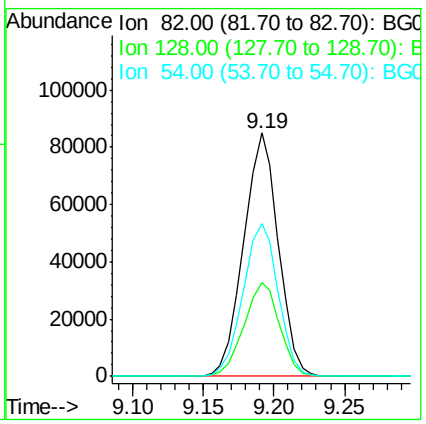


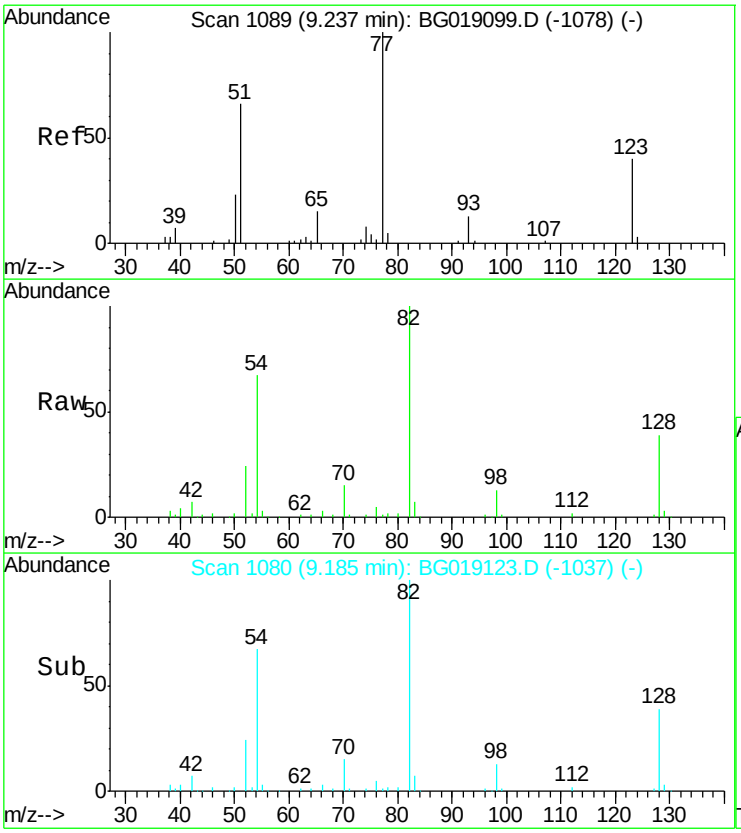

#23
Nitrobenzene-d5
Concen: 113.62 ng
RT: 9.19 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion: 82 Resp: 146526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.5 | 31.4 | 47.2 |
| 54 | 62.5 | 50.0 | 75.0 |

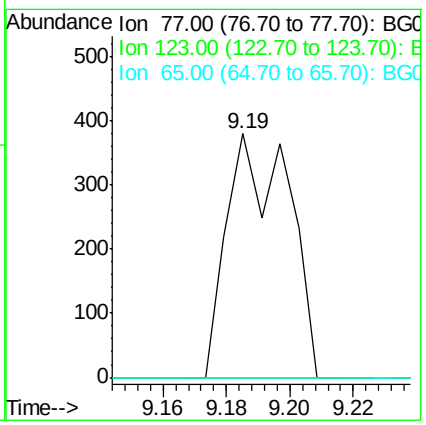


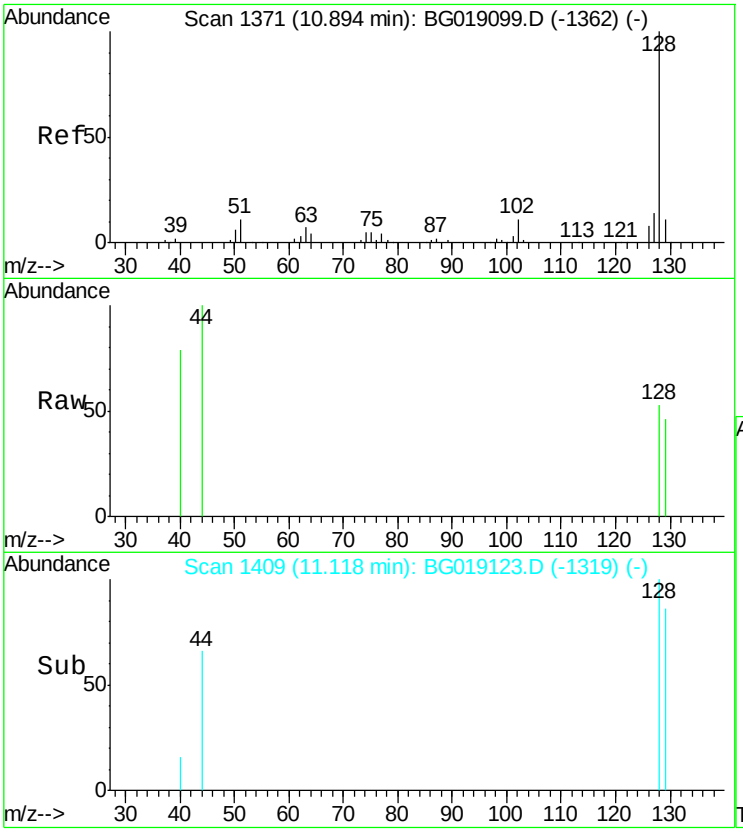




#24
Nitrobenzene
Concen: 0.37 ng
RT: 9.19 min Scan# 1080
Delta R.T. -0.05 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion: 77 Resp: 509

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



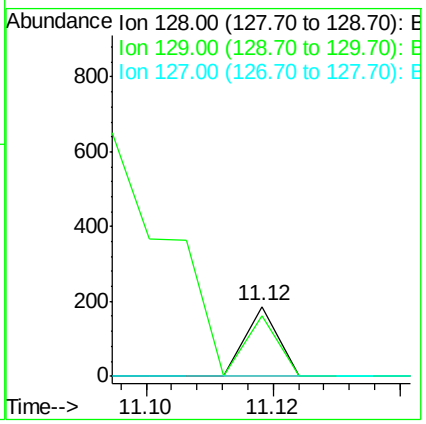


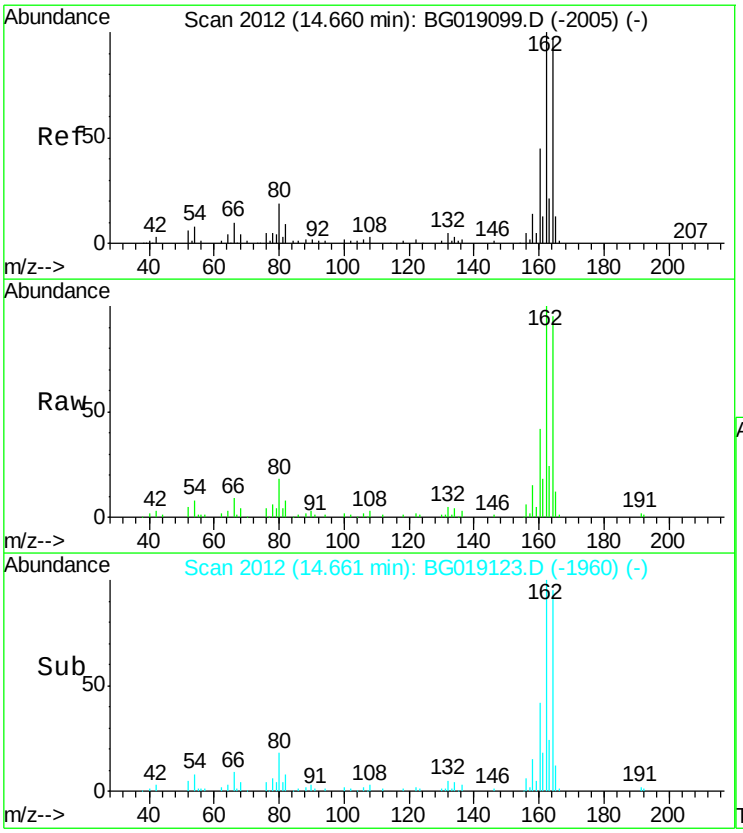

#31
Naphthalene
Concen: 0.02 ng
RT: 11.12 min Scan# 1409
Delta R.T. 0.23 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:128 Resp: 66

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 85.6 | 8.6 | 12.8# |
| 127 | 0.0 | 11.4 | 17.0# |

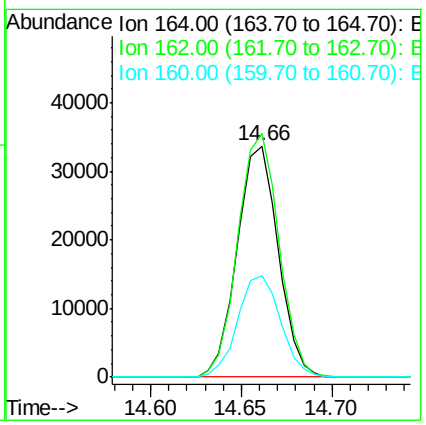


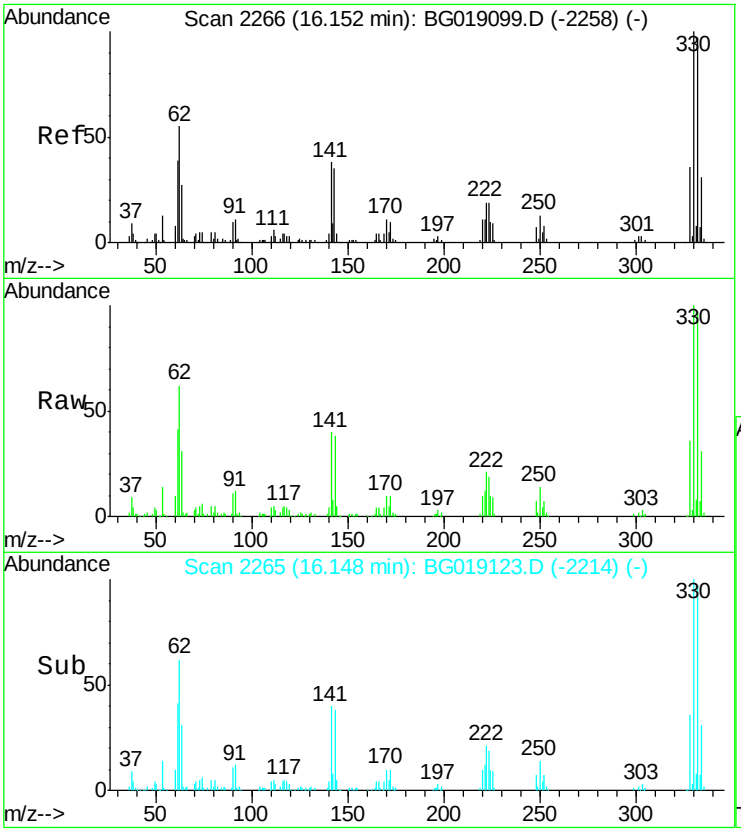




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:164 Resp: 53137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.3 | 82.6 | 124.0 |
| 160 | 43.9 | 36.9 | 55.3 |



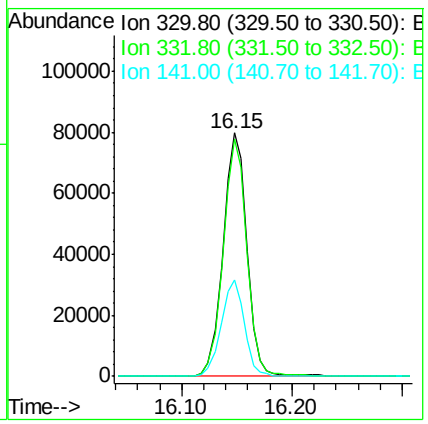


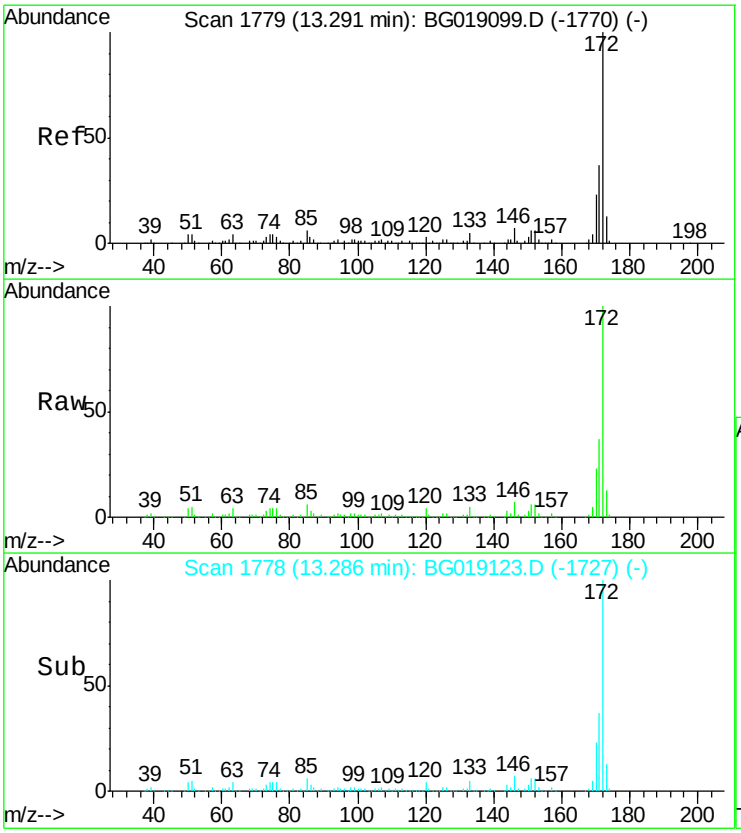

#41
2,4,6-Tribromophenol
Concen: 166.36 ng
RT: 16.15 min Scan# 2265
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:330 Resp: 120459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 77.3 | 115.9 |
| 141 | 38.5 | 30.7 | 46.1 |

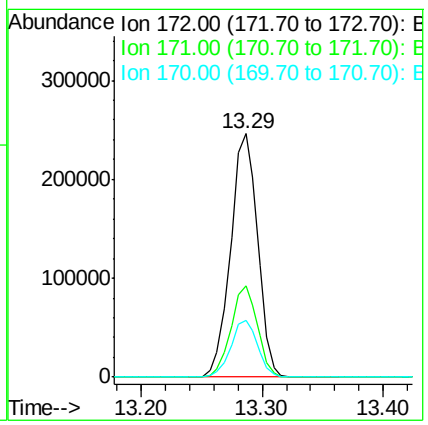


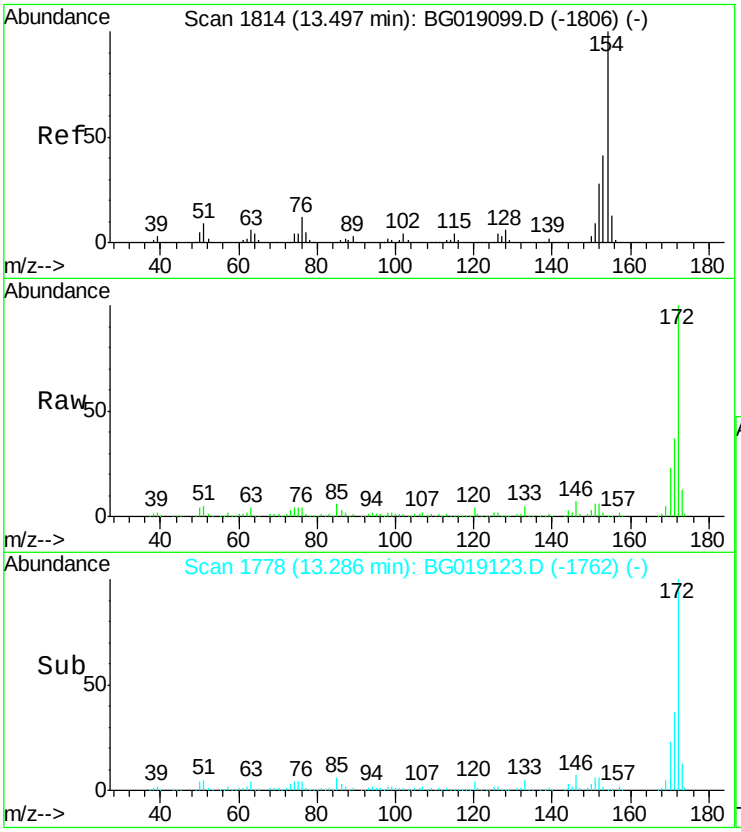




#44
2-Fluorobiphenyl
Concen: 110.73 ng
RT: 13.29 min Scan# 1778
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:172 Resp: 382653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.3 | 29.9 | 44.9 |
| 170 | 23.3 | 18.6 | 27.8 |



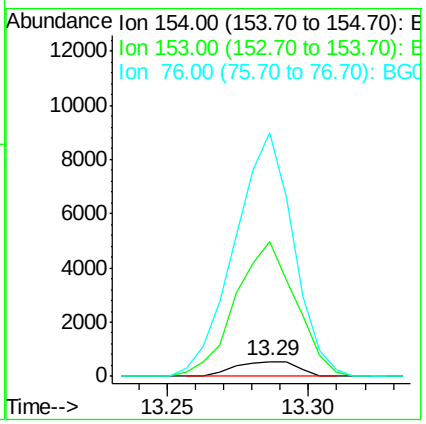


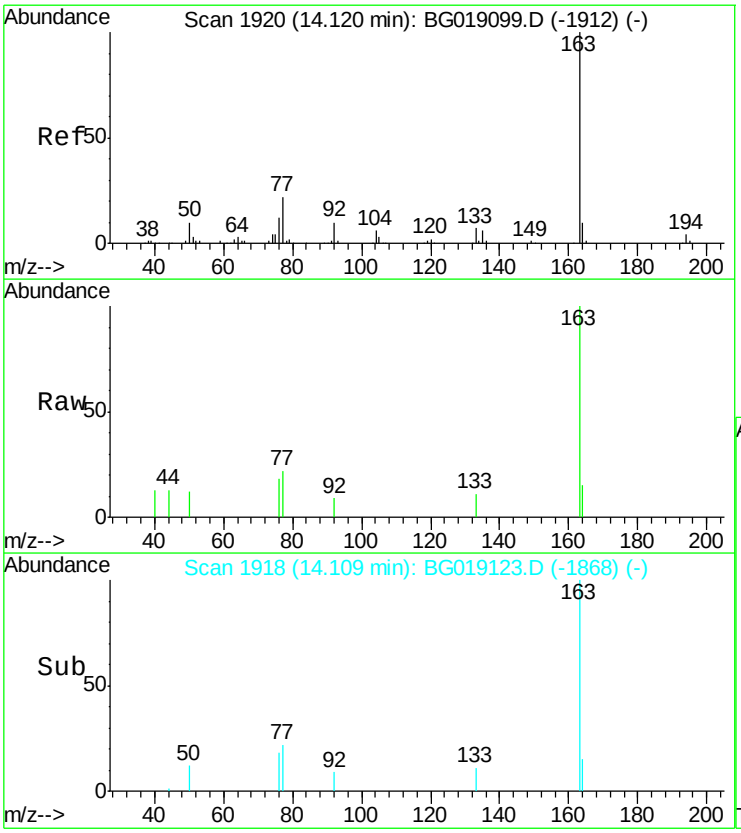

#45
1,1'-Biphenyl
Concen: 0.21 ng
RT: 13.29 min Scan# 1778
Delta R.T. -0.21 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:154 Resp: 824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 926.5 | 20.6 | 60.6# |
| 76 | 1676.3 | 0.0 | 32.2# |

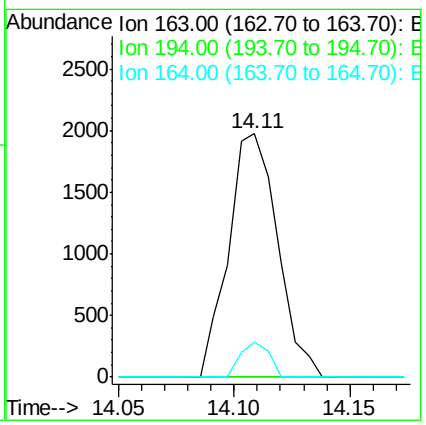


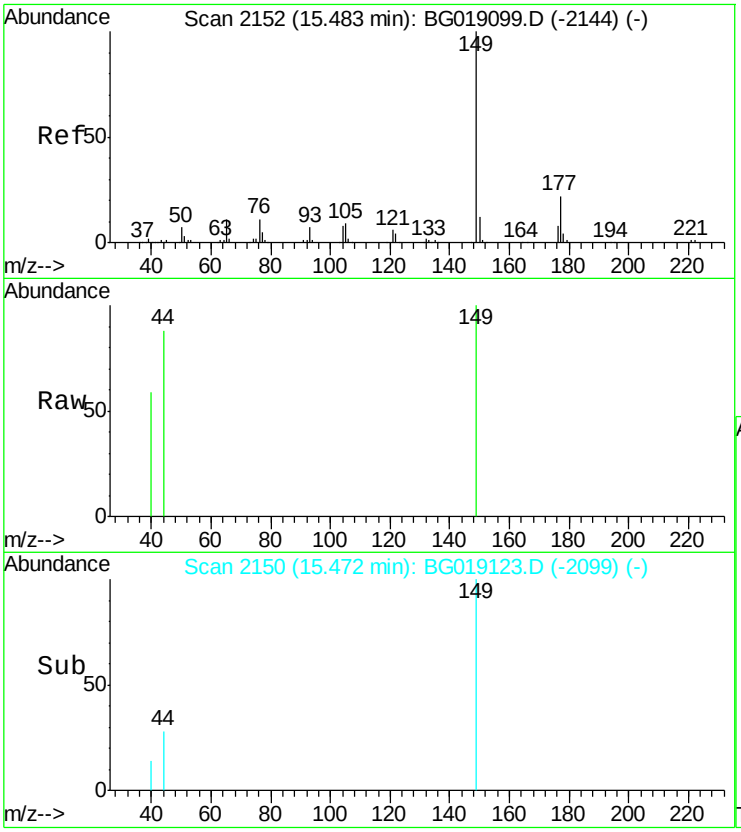




#49
Dimethylphthalate
Concen: 0.70 ng
RT: 14.11 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:163 Resp: 2922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 0.0 | 3.2 | 4.8# |
| 164 | 14.6 | 8.1 | 12.1# |



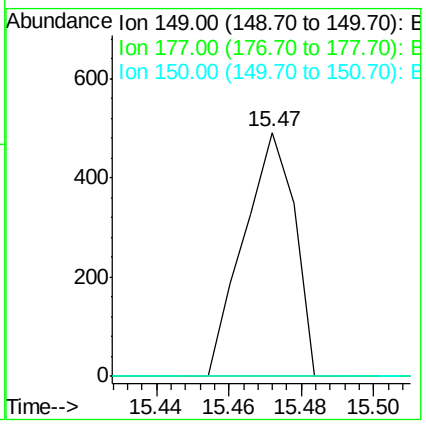


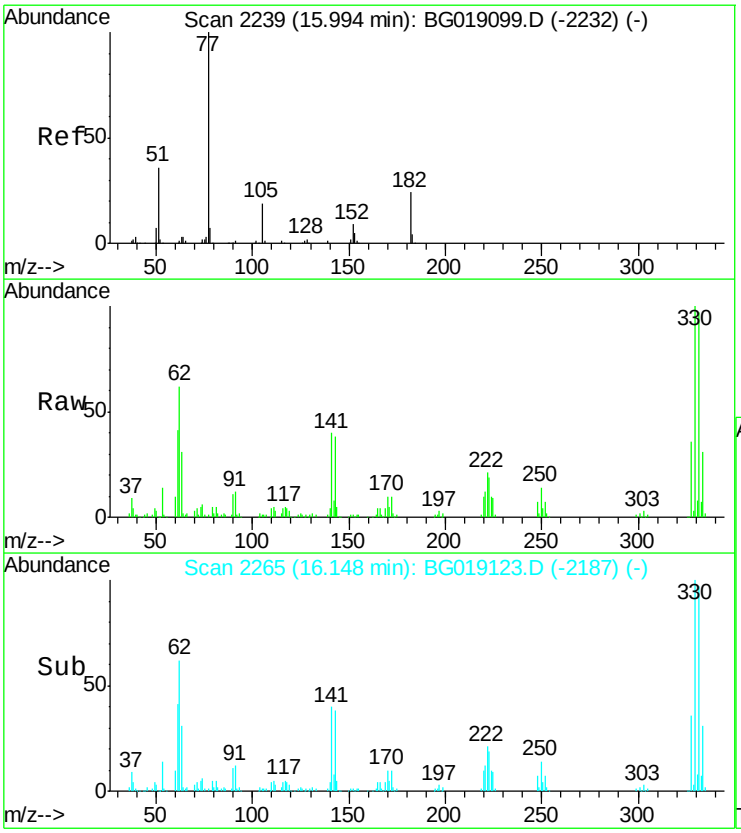

#59
Diethylphthalate
Concen: 0.11 ng
RT: 15.47 min Scan# 2150
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:149 Resp: 477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 177 | 0.0 | 17.7 | 26.5# |
| 150 | 0.0 | 9.4 | 14.2# |

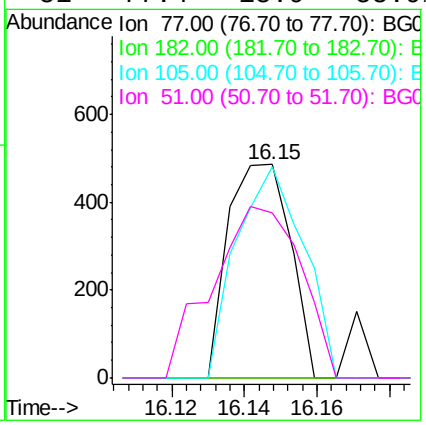


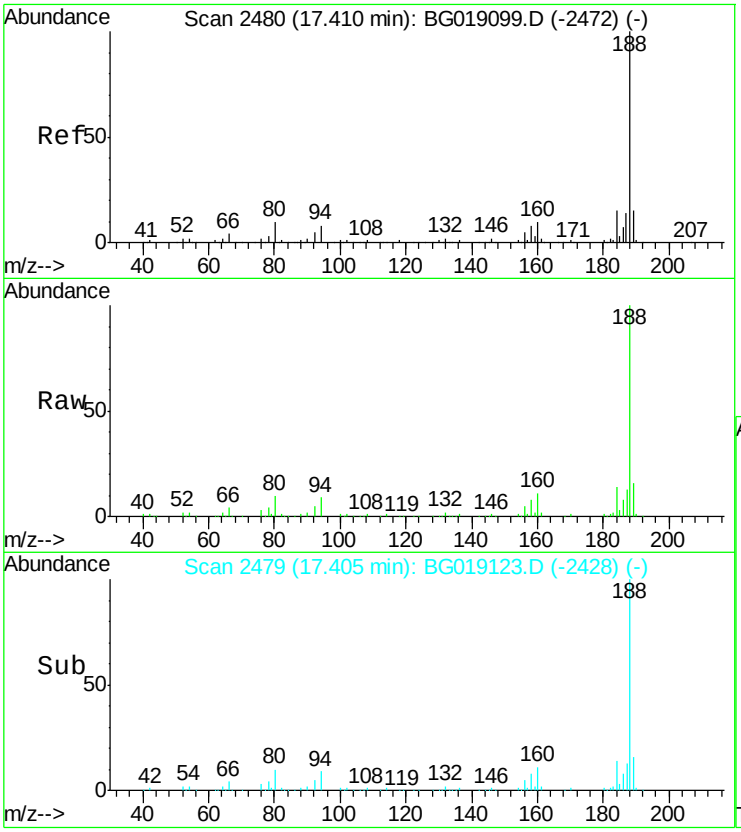




#62
Azobenzene
Concen: 0.14 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.16 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion: 77 Resp: 579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 4.4 | 44.4# |
| 105 | 99.2 | 0.0 | 39.1# |
| 51 | 77.4 | 15.9 | 55.9# |



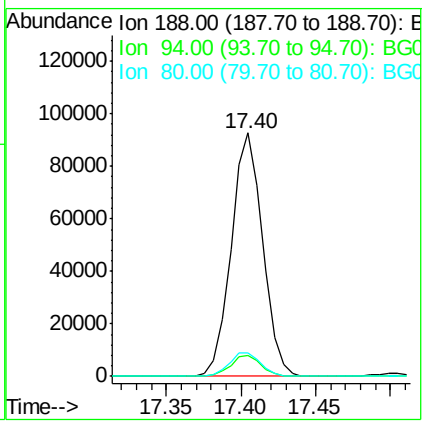


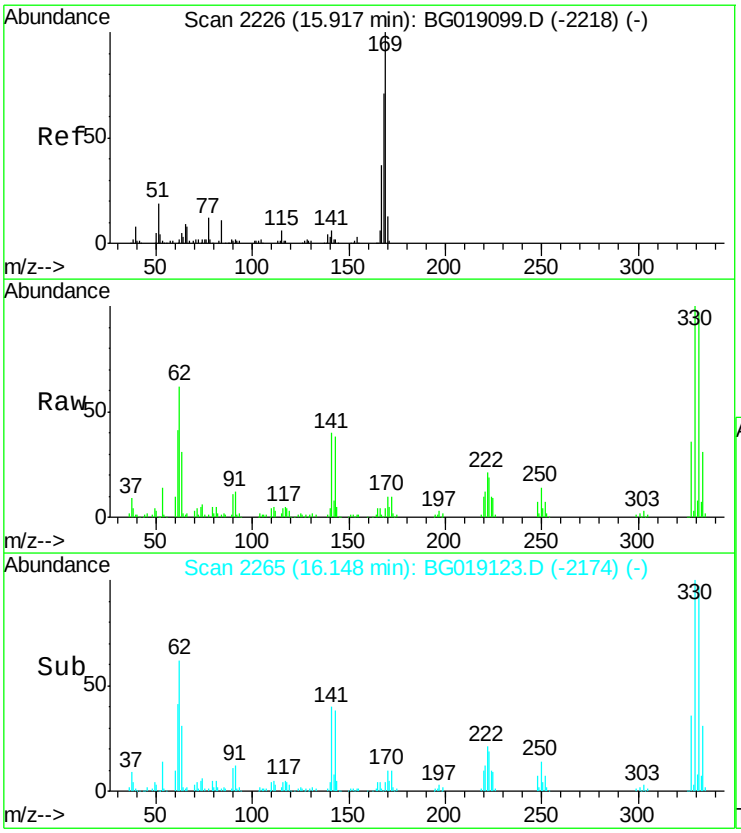

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.40 min Scan# 2479
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:188 Resp: 135685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.7 | 6.4 | 9.6 |
| 80 | 9.7 | 7.6 | 11.4 |

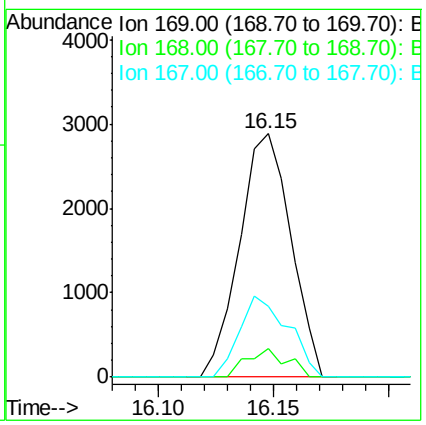


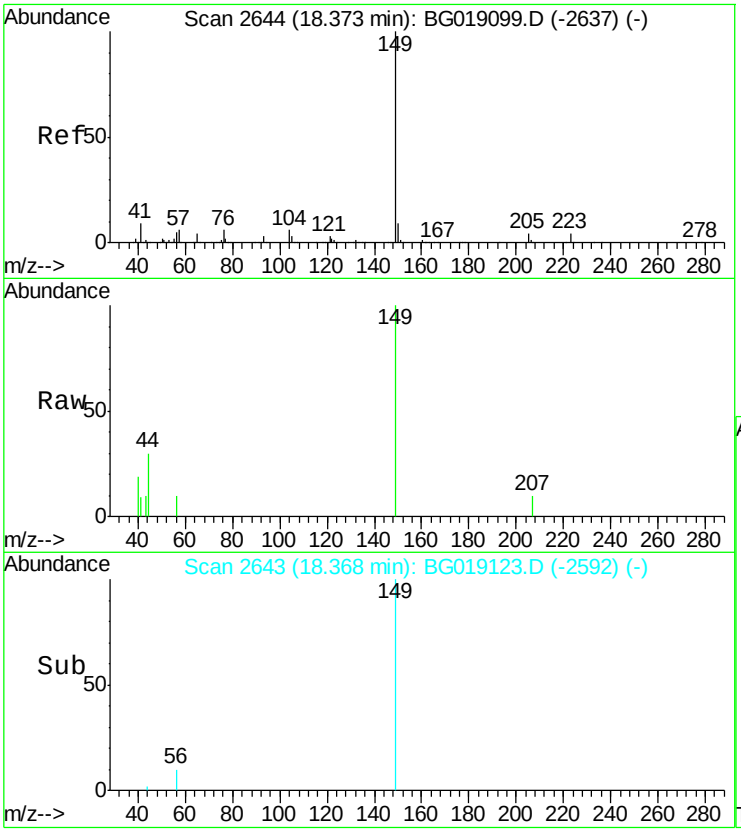




#65
n-Nitrosodiphenylamine
Concen: 1.19 ng
RT: 16.15 min Scan# 2265
Delta R.T. 0.23 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:169 Resp: 4458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 11.8 | 56.6 | 84.8# |
| 167 | 28.8 | 30.0 | 45.0# |



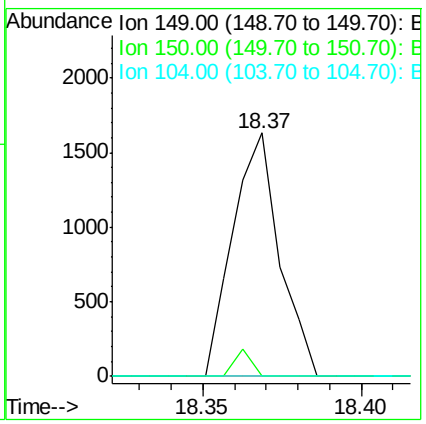


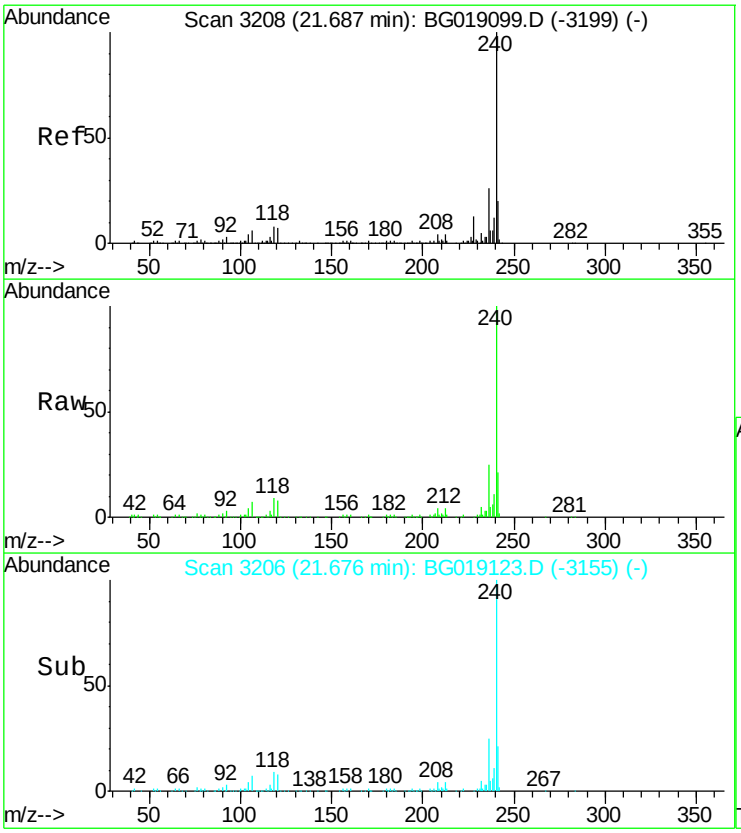

#73
Di-n-butylphthalate
Concen: 0.21 ng
RT: 18.37 min Scan# 2643
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:149 Resp: 1663

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

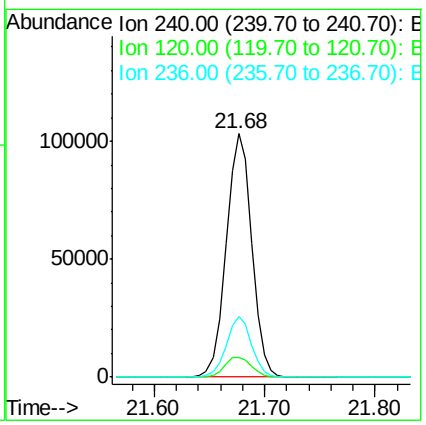


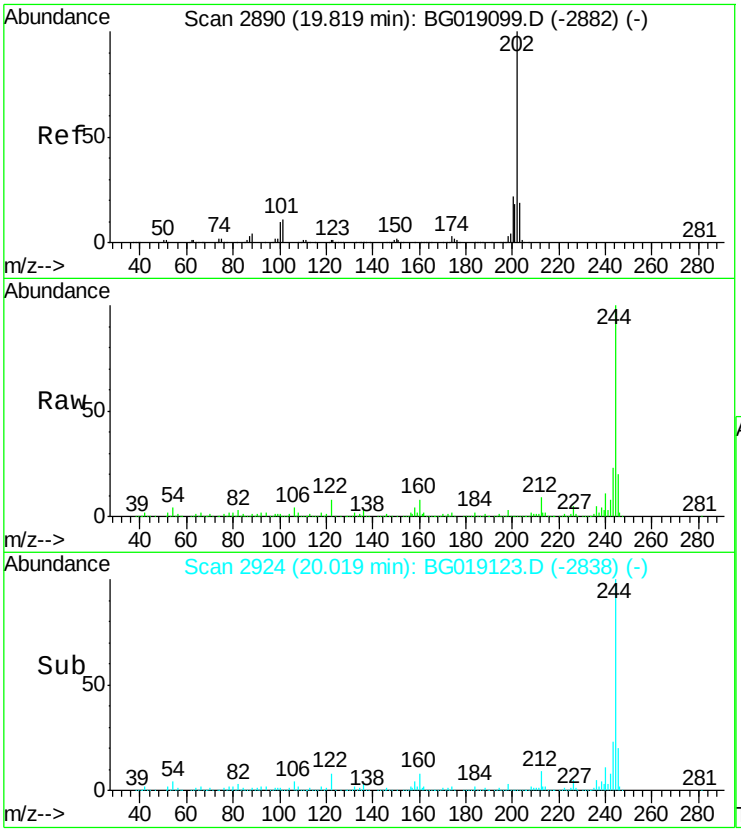




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.68 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:240 Resp: 166649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 5.8 | 8.6 |
| 236 | 25.0 | 21.2 | 31.8 |



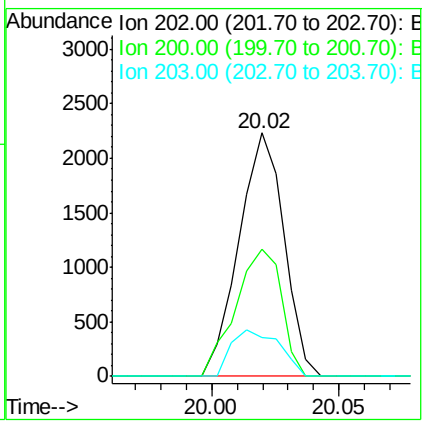


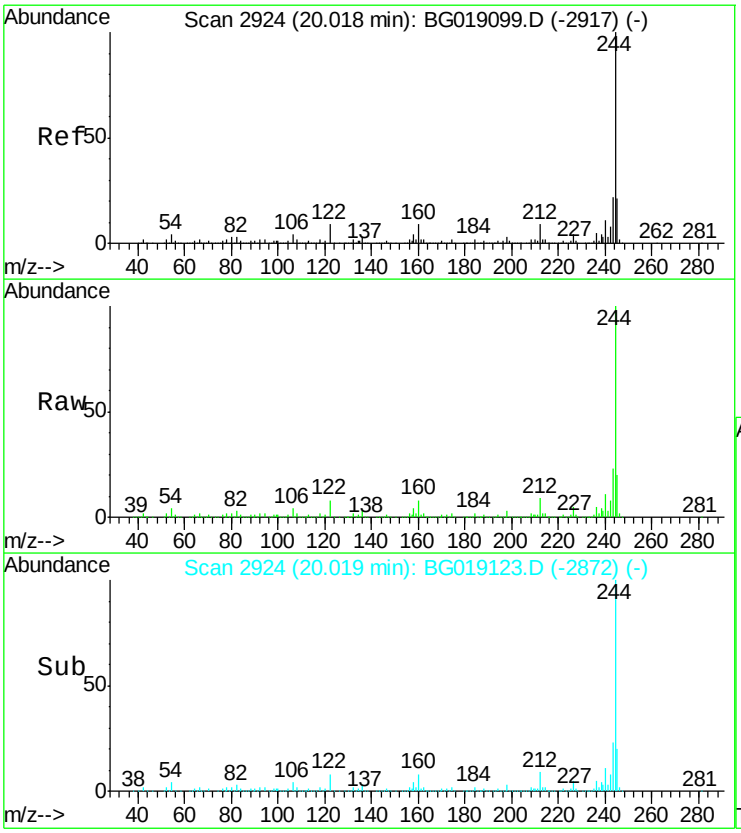

#77
Pyrene
Concen: 0.30 ng
RT: 20.02 min Scan# 2924
Delta R.T. 0.20 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:202 Resp: 2767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 52.3 | 17.4 | 26.2# |
| 203 | 15.7 | 14.8 | 22.2 |

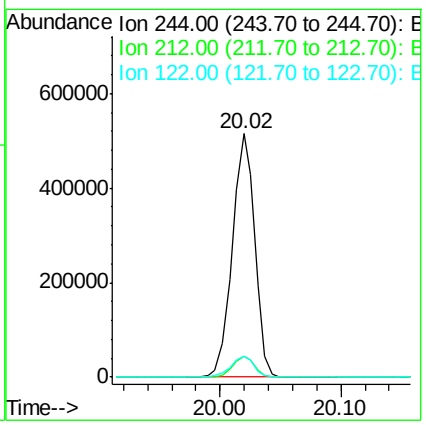


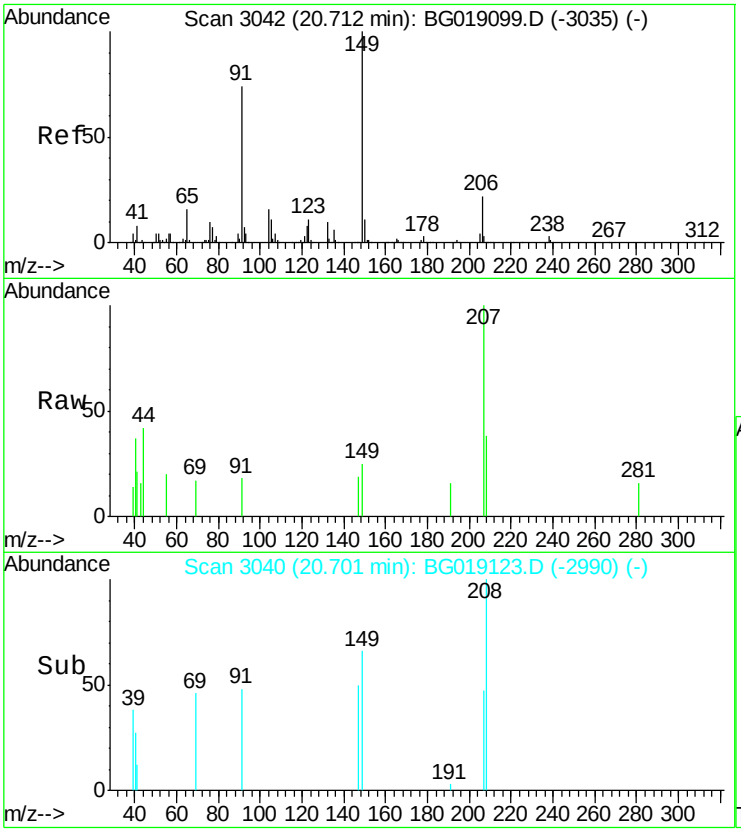




#78
Terphenyl-d14
Concen: 105.42 ng
RT: 20.02 min Scan# 2924
Delta R.T. 0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:244 Resp: 665053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 6.8 | 10.2 |
| 122 | 8.5 | 7.4 | 11.2 |



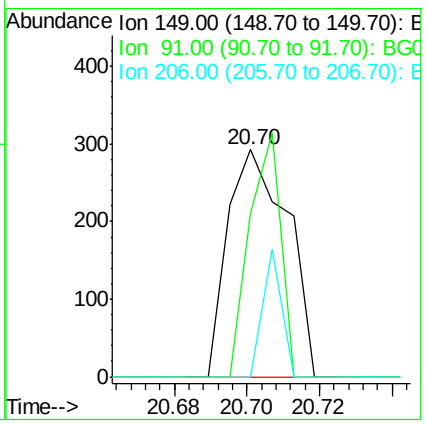


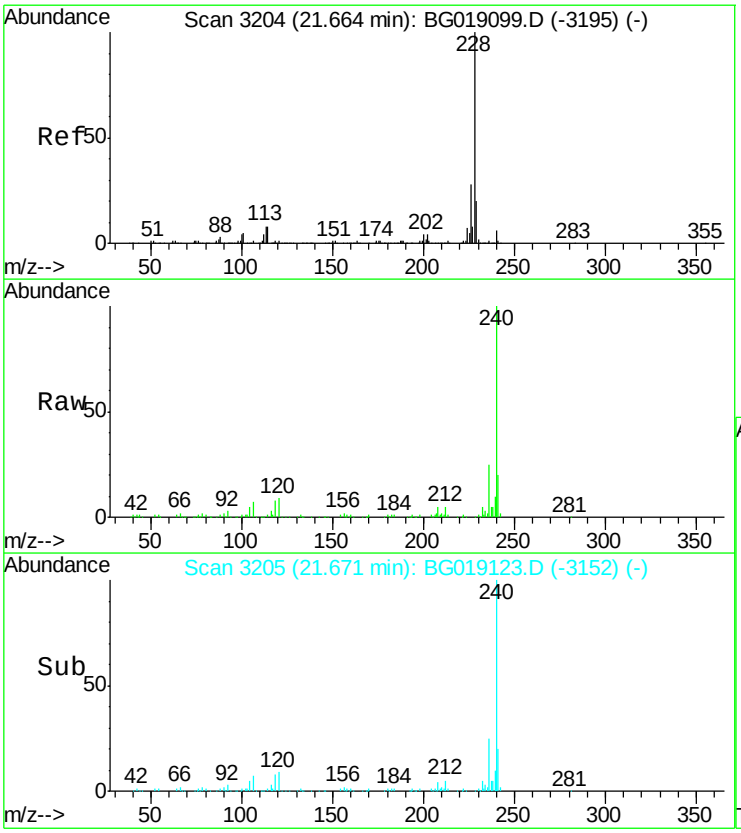

#79
Butylbenzylphthalate
Concen: 0.09 ng
RT: 20.70 min Scan# 3040
Delta R.T. -0.01 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:149 Resp: 334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 72.0 | 59.2 | 88.8 |
| 206 | 0.0 | 17.5 | 26.3# |

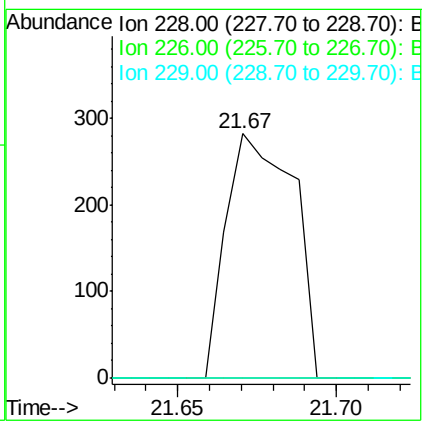


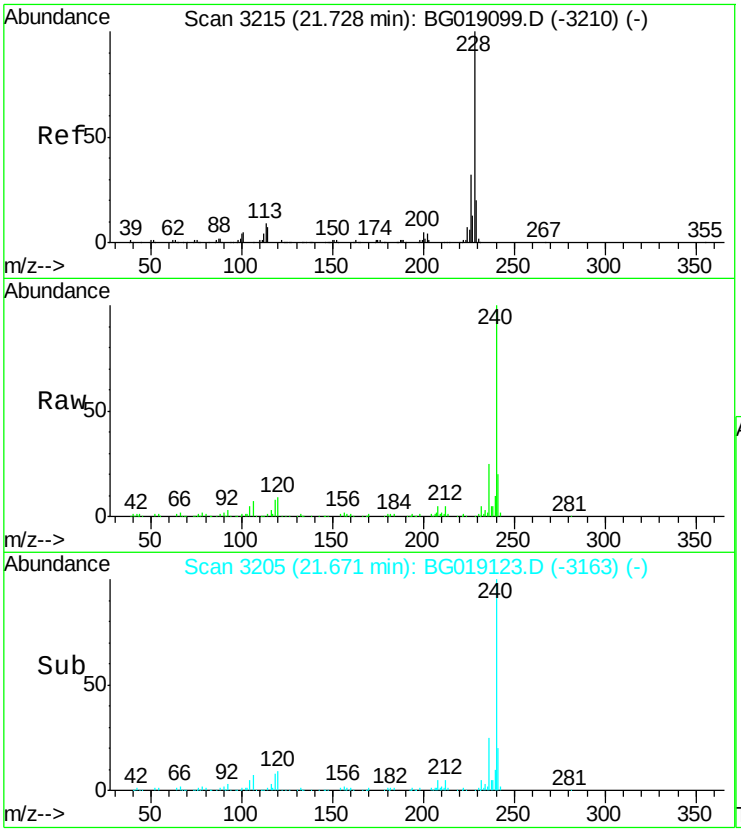




#80
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.67 min Scan# 3205
Delta R.T. 0.01 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:228 Resp: 415

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



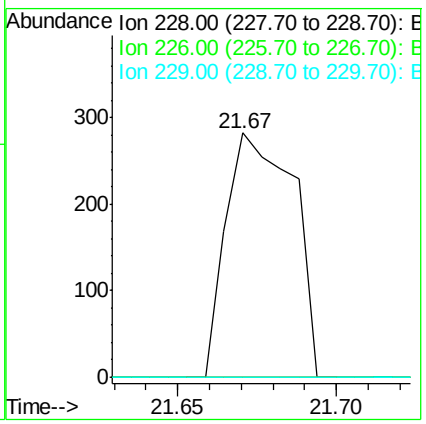


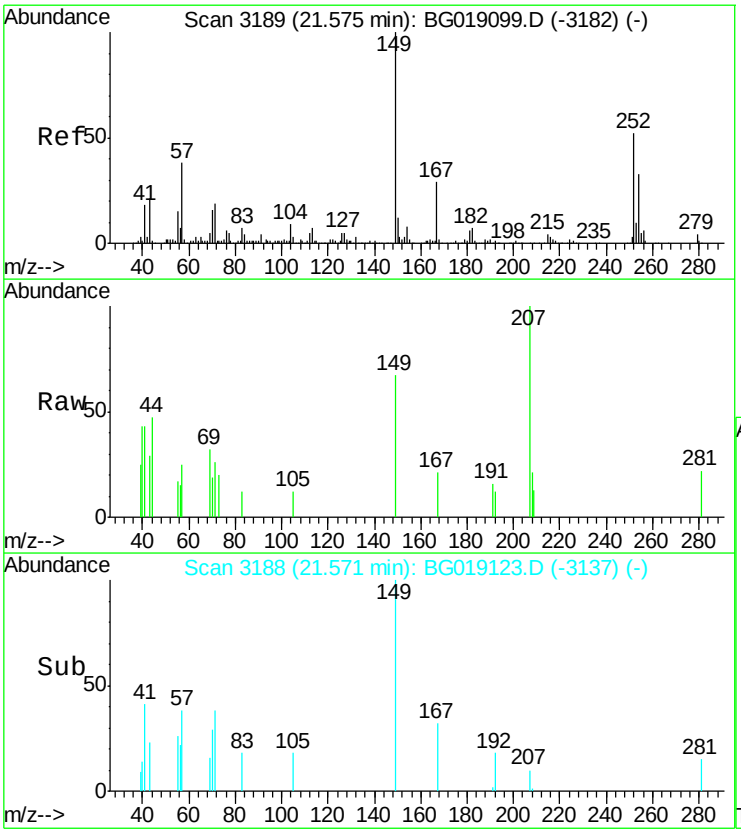

#82
Chrysene
Concen: 0.05 ng
RT: 21.67 min Scan# 3205
Delta R.T. -0.06 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:228 Resp: 415

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

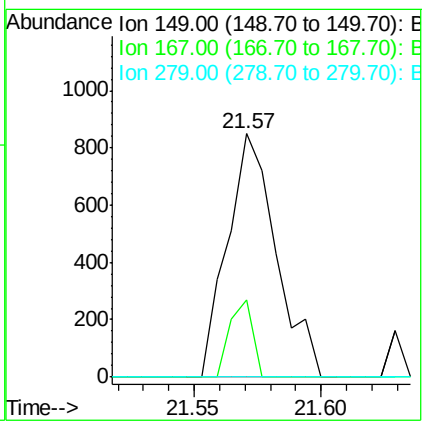


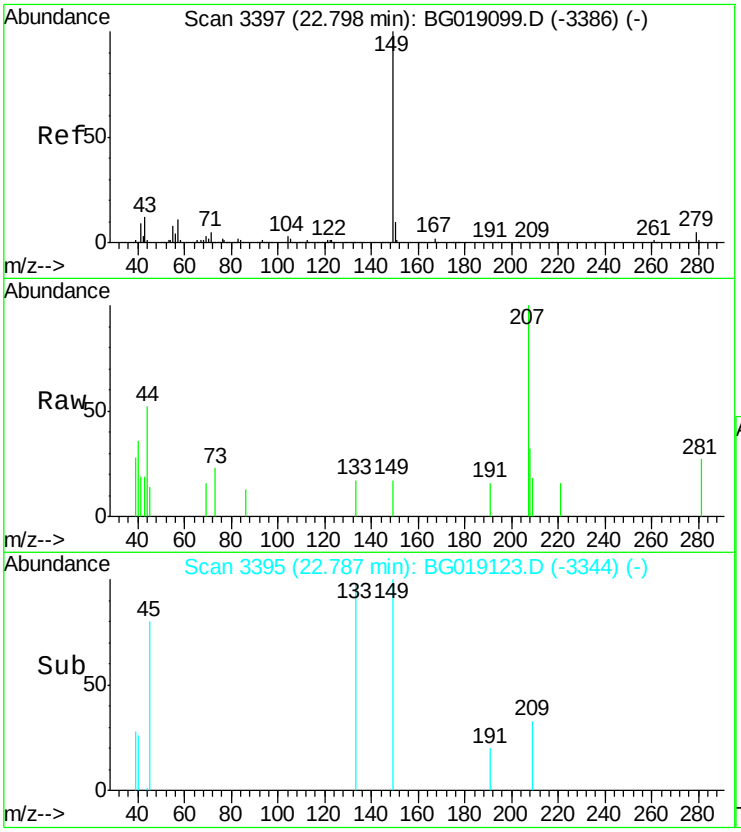




#83
Bis(2-ethylhexyl)phthalate
Concen: 0.21 ng
RT: 21.57 min Scan# 3188
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:149 Resp: 1135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 31.6 | 22.8 | 34.2 |
| 279 | 0.0 | 3.6 | 5.4# |



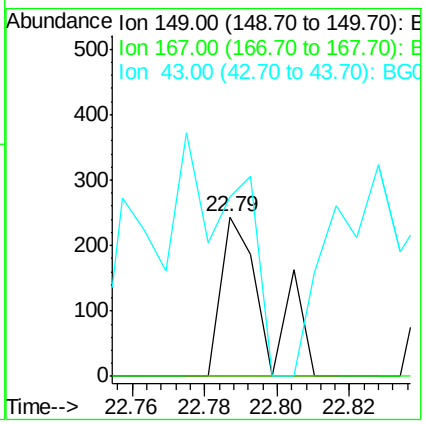


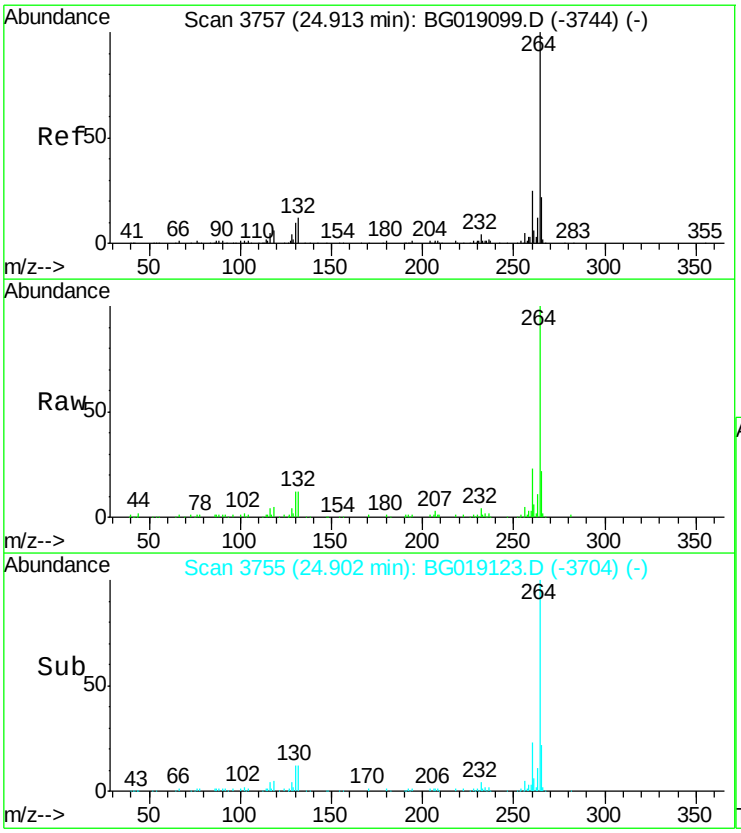

#84
Di-n-octyl phthalate
Concen: 0.02 ng
RT: 22.79 min Scan# 3395
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:149 Resp: 209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.3 | 1.9# |
| 43 | 306.2 | 10.1 | 15.1# |

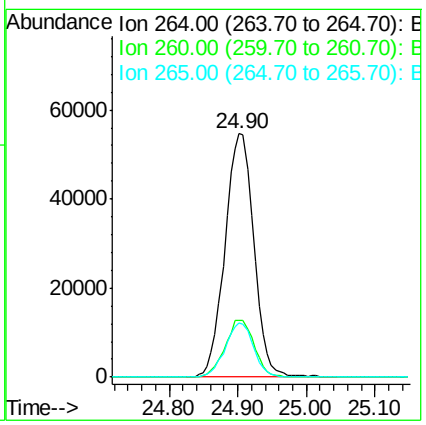


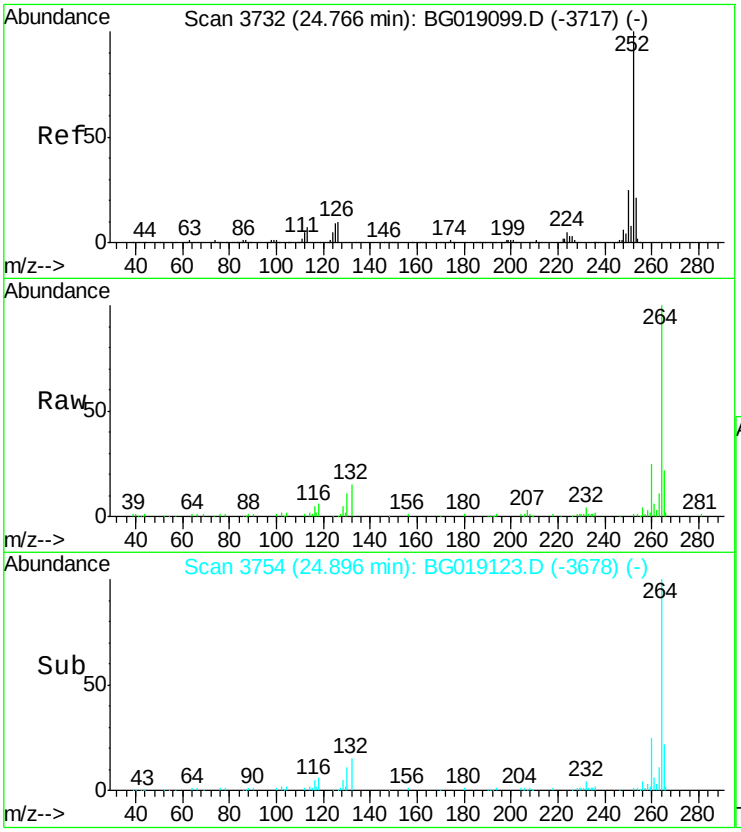




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.90 min Scan# 3755
Delta R.T. -0.00 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

Tgt Ion:264 Resp: 159900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 20.1 | 30.1 |
| 265 | 22.0 | 17.2 | 25.8 |






#89
Benzo(a)pyrene
Concen: 0.06 ng
RT: 24.90 min Scan# 3754
Delta R.T. 0.14 min
Lab File: BG019123.D
Acq: 10 Oct 2015 18:43

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

Tgt Ion:252 Resp: 520

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