Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060815\
Data File : BG017566.D
Acq On : 9 Jun 2015 8:57
Operator : TP/IZ
Sample : G2457-09DL 4X
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-5DL

Quant Time: Jun 09 11:10:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 20681 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.40 | 136 | 89930 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.27 | 164 | 55480 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.02 | 188 | 112347 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.22 | 240 | 130003 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 23.45 | 264 | 130926 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 46766 | 39.84 | ng | | 0.00 |
| 7) Phenol-d6 | 6.82 | 99 | 62205 | 38.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.77 | 82 | 44496 | 24.70 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.77 | 330 | 25942 | 33.67 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 12.88 | 172 | 92061 | 25.03 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.66 | 244 | 122665 | 19.50 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 48) Acenaphthylene | 13.99 | 152 | 14151 | 2.37 | ng | | 97 |
| 49) Dimethylphthalate | 13.73 | 163 | 28052 | 5.81 | ng | # | 96 |
| 55) 4-Nitrophenol | 14.68 | 139 | 2758 | 3.71 | ng | # | 1 |
| 70) Phenanthrene | 17.07 | 178 | 173922 | 27.77 | ng | | 98 |
| 71) Anthracene | 17.16 | 178 | 31264 | 5.00 | ng | | 98 |
| 74) Fluoranthene | 19.09 | 202 | 381040 | 46.52 | ng | | 98 |
| 77) Pyrene | 19.46 | 202 | 319457 | 39.89 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.20 | 228 | 159997 | 20.01 | ng | | 99 |
| 82) Chrysene | 21.20 | 228 | 159997 | 22.10 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 64316 | 7.07 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 22.78 | 252 | 199170 | 24.01 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 22.78 | 252 | 199170 | 25.09 | ng | | 98 |
| 89) Benzo(a)pyrene | 23.25 | 252 | 83484 | 10.97 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 25.71 | 278 | 18717 | 2.37 | ng | # | 84 |
| 91) Benzo(g,h,i)perylene | 26.41 | 276 | 57005 | 7.58 | ng | # | 91 |

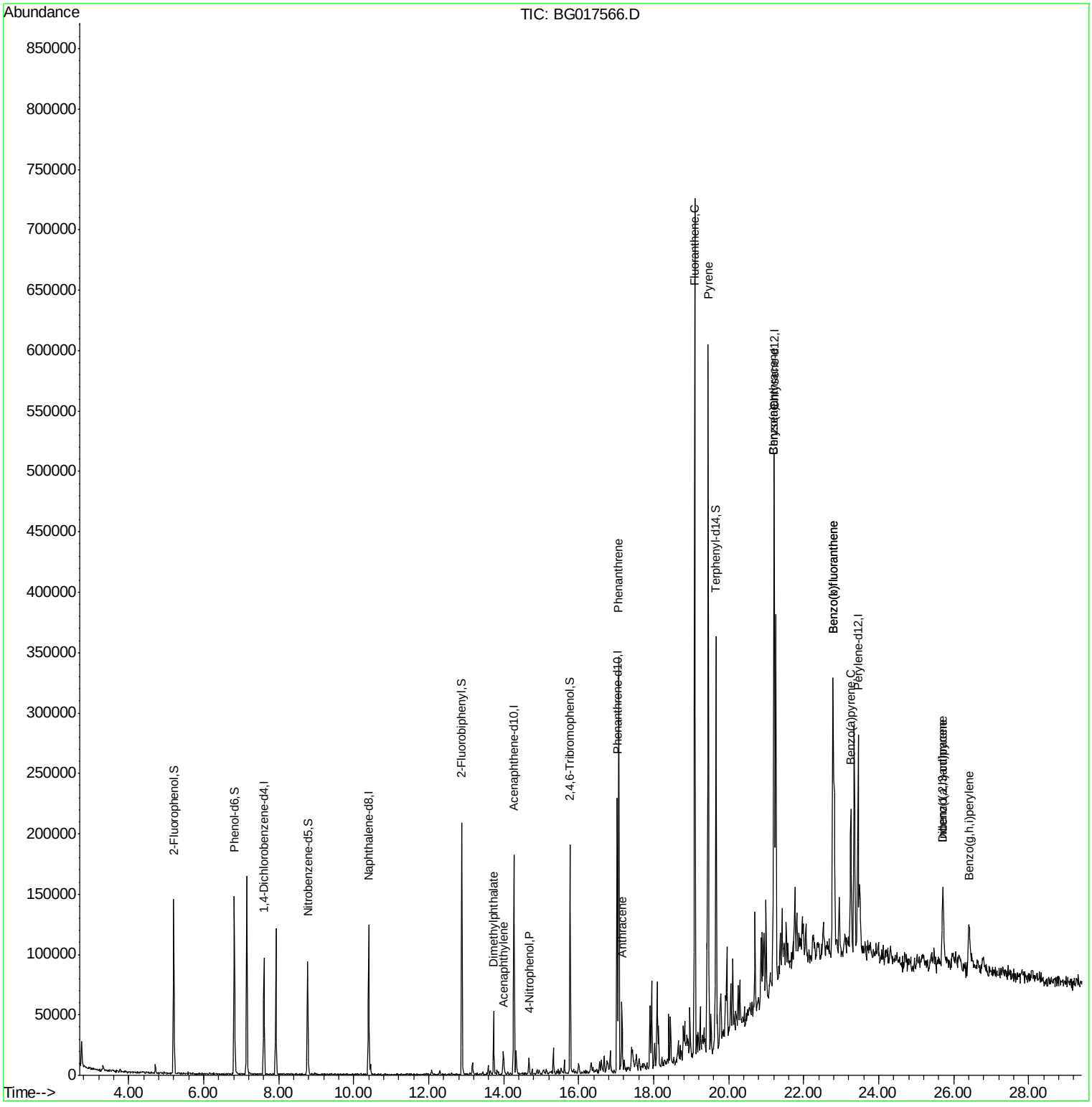
(#) = qualifier out of range (m) = manual integration (+) = signals summed

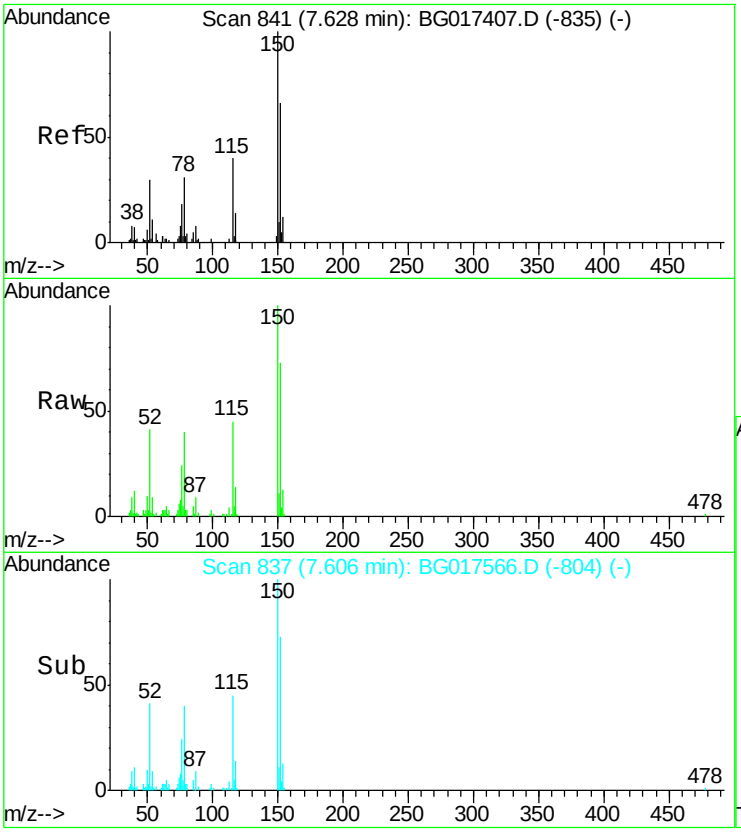
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\Data\BG060815\
Data File : BG017566.D
Acq On : 9 Jun 2015 8:57
Operator : TP/IZ
Sample : G2457-09DL 4X
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SP-5DL

Quant Time: Jun 09 11:10:26 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 18:39:50 2015
Response via : Initial Calibration



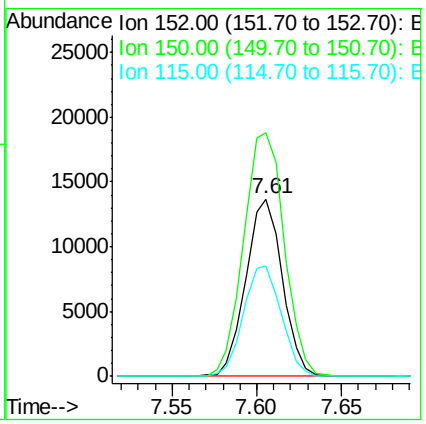


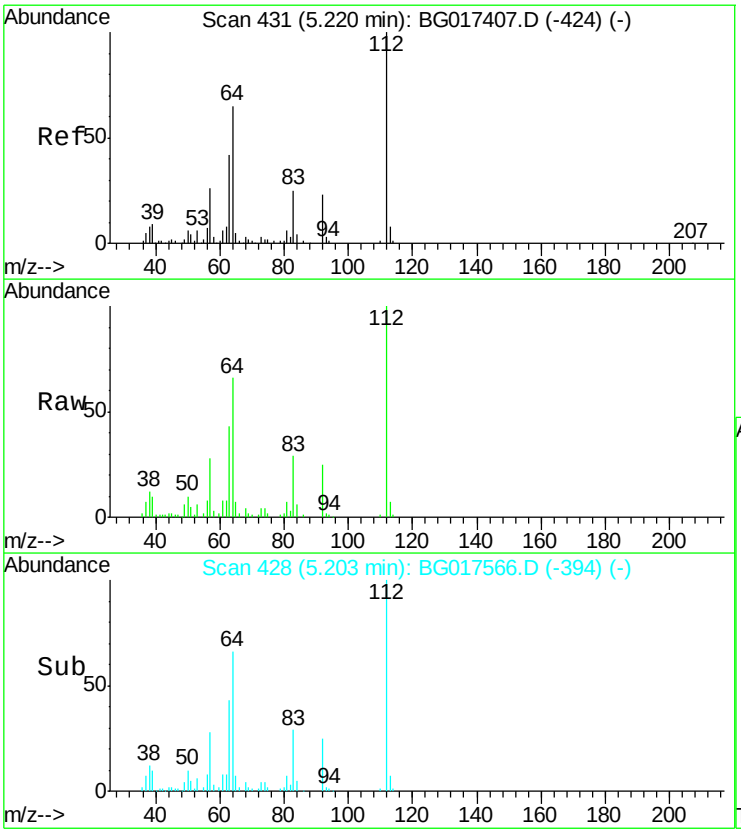

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:152 Resp: 20681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 137.5 | 121.7 | 182.5 |
| 115 | 62.4 | 48.6 | 73.0 |

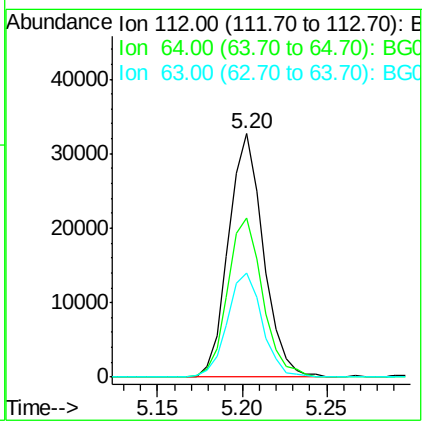


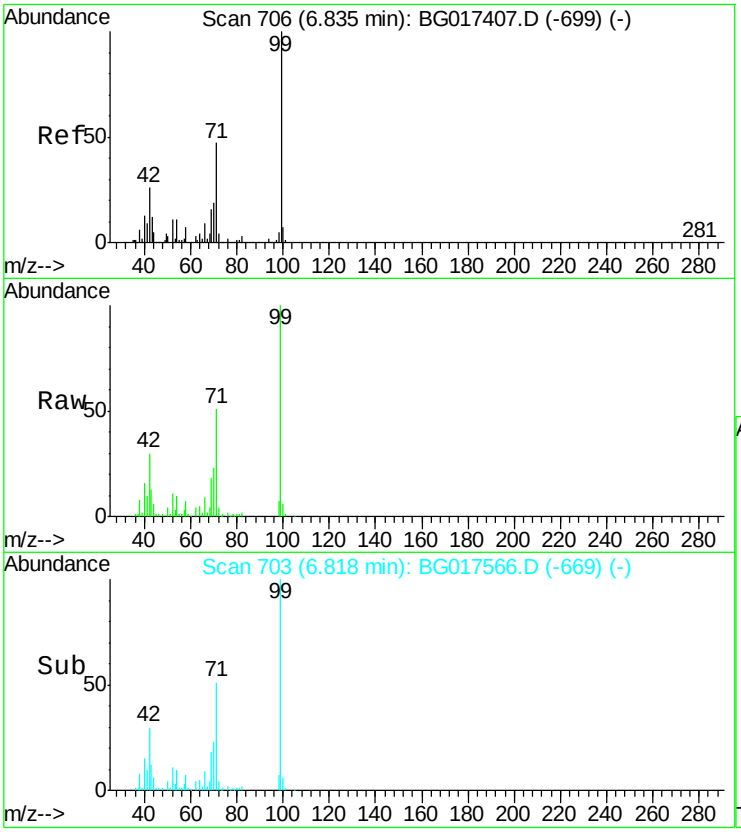




#5
2-Fluorophenol
Concen: 39.84 ng
RT: 5.20 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:112 Resp: 46766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.6 | 51.6 | 77.4 |
| 63 | 42.9 | 33.3 | 49.9 |



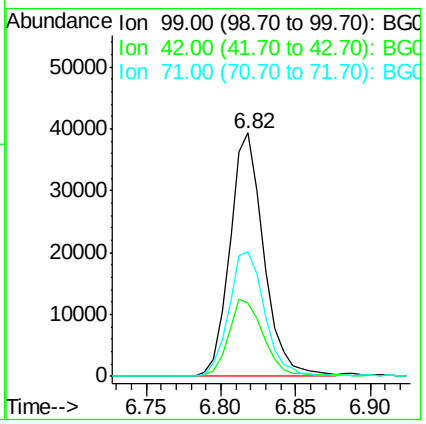


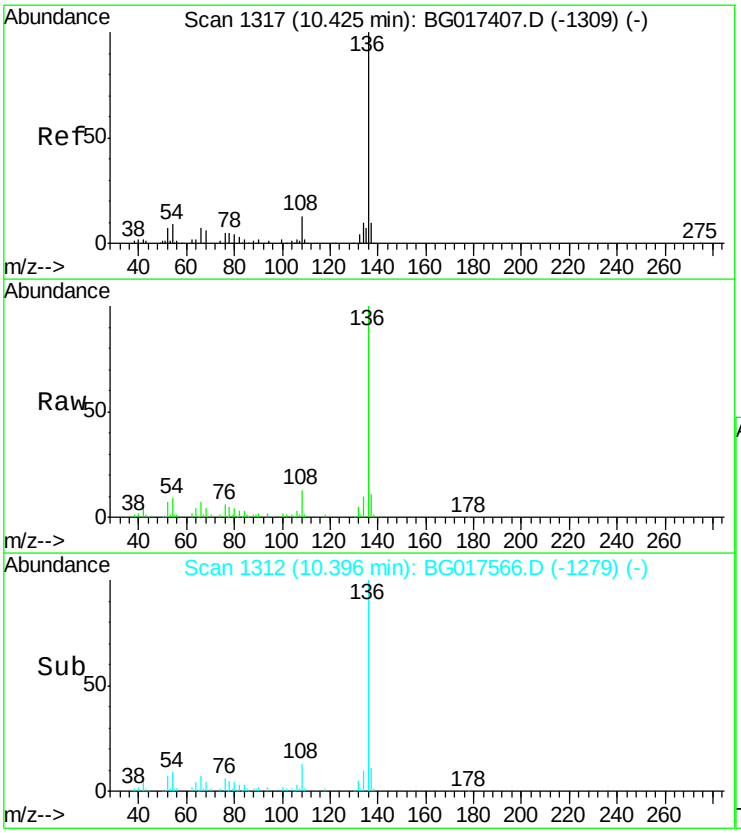

#7
Phenol-d6
Concen: 38.90 ng
RT: 6.82 min Scan# 703
Delta R.T. -0.00 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion: 99 Resp: 62205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 30.3 | 21.0 | 31.6 |
| 71 | 51.0 | 37.2 | 55.8 |

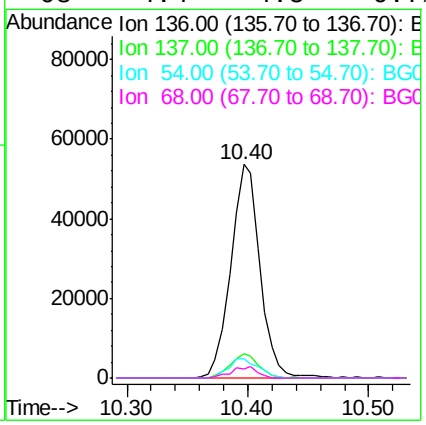


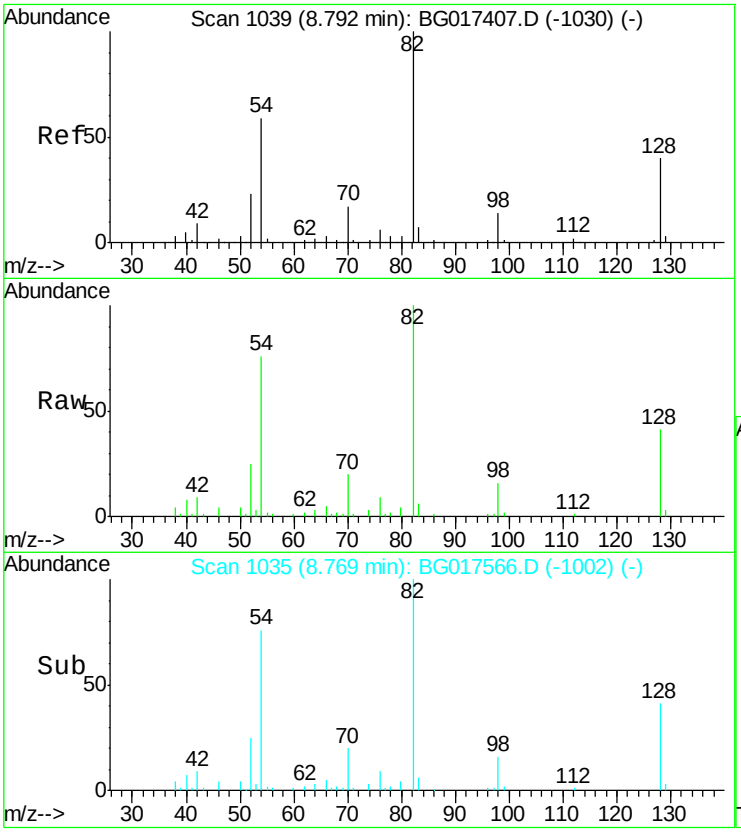




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.40 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:136 Resp: 89930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 7.9 | 11.9 |
| 54 | 8.9 | 7.2 | 10.8 |
| 68 | 4.4 | 4.5 | 6.7# |



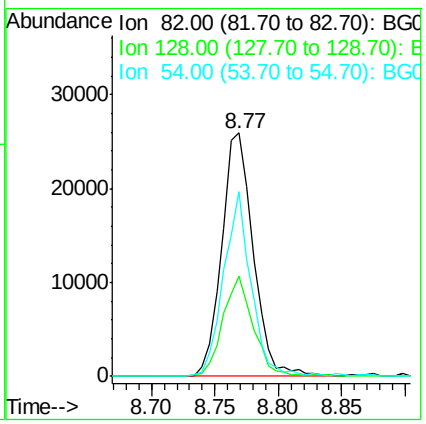


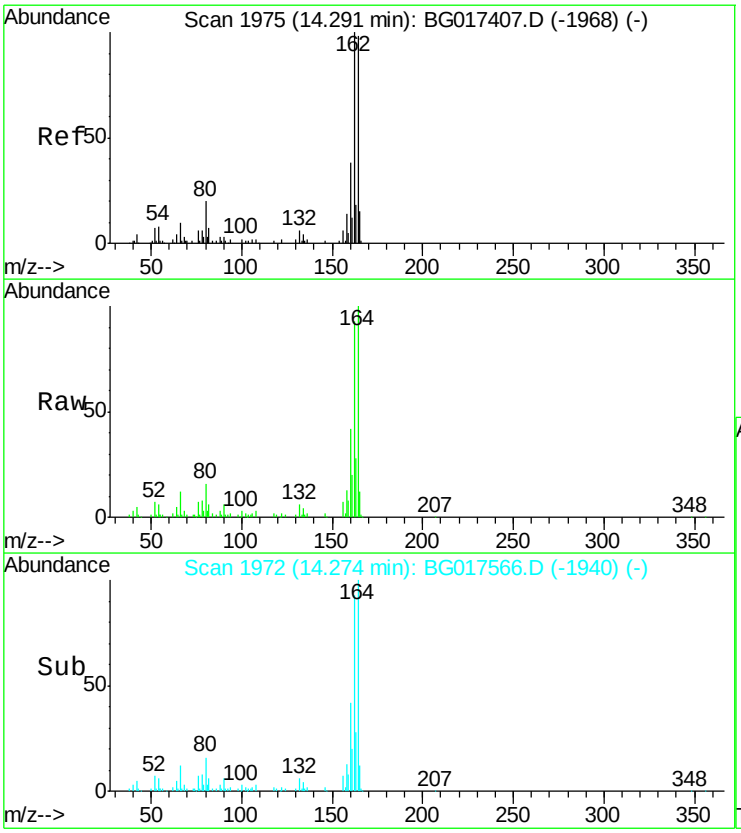

#23
Nitrobenzene-d5
Concen: 24.70 ng
RT: 8.77 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion: 82 Resp: 44496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.3 | 32.2 | 48.4 |
| 54 | 76.0 | 47.4 | 71.2# |

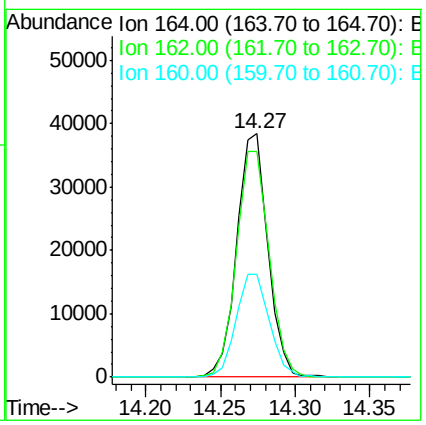


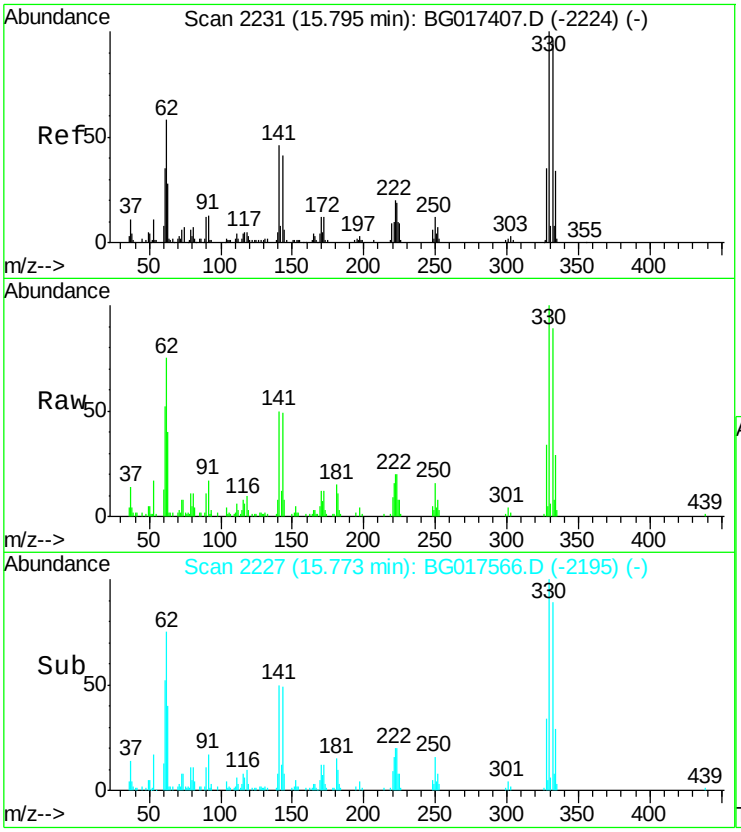




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.27 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:164 Resp: 55480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 92.8 | 81.8 | 122.6 |
| 160 | 42.2 | 31.0 | 46.4 |



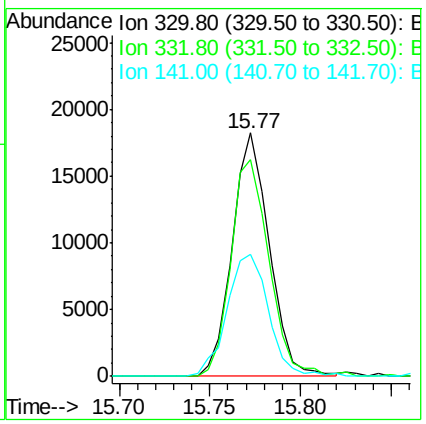


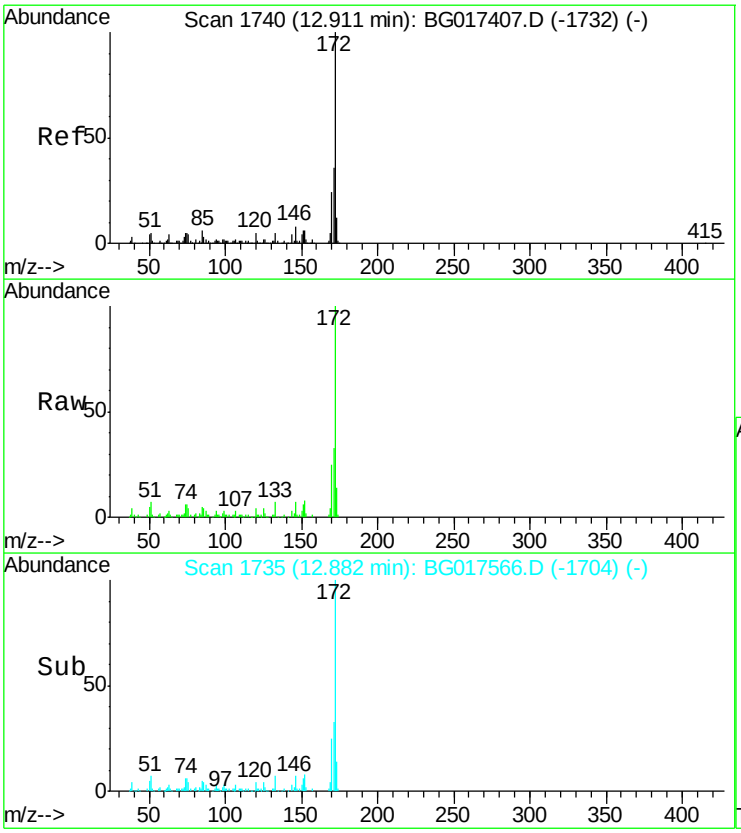

#41
2,4,6-Tribromophenol
Concen: 33.67 ng
RT: 15.77 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:330 Resp: 25942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.3 | 75.9 | 113.9 |
| 141 | 56.3 | 40.2 | 60.4 |

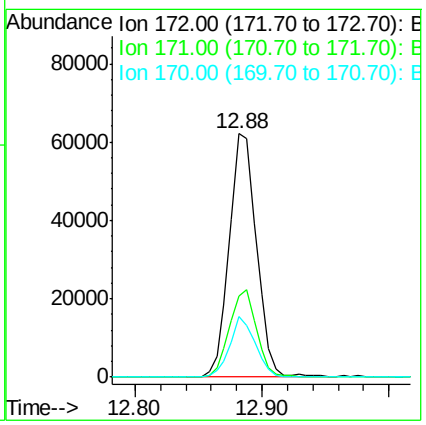


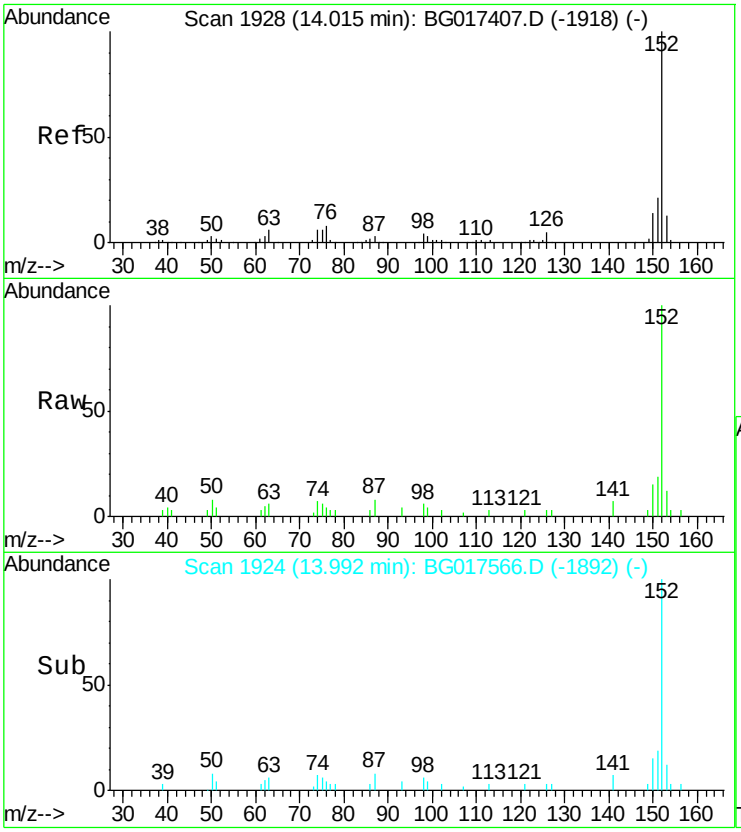




#44
2-Fluorobiphenyl
Concen: 25.03 ng
RT: 12.88 min Scan# 1735
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:172 Resp: 92061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.5 | 29.0 | 43.6 |
| 170 | 24.7 | 18.9 | 28.3 |



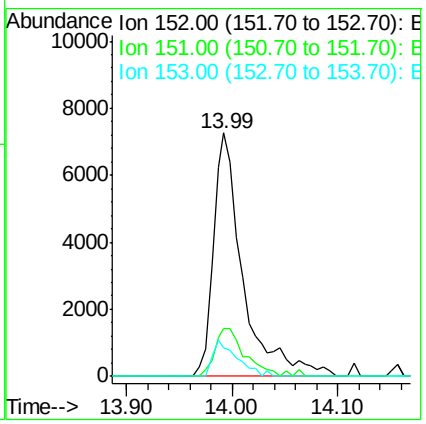


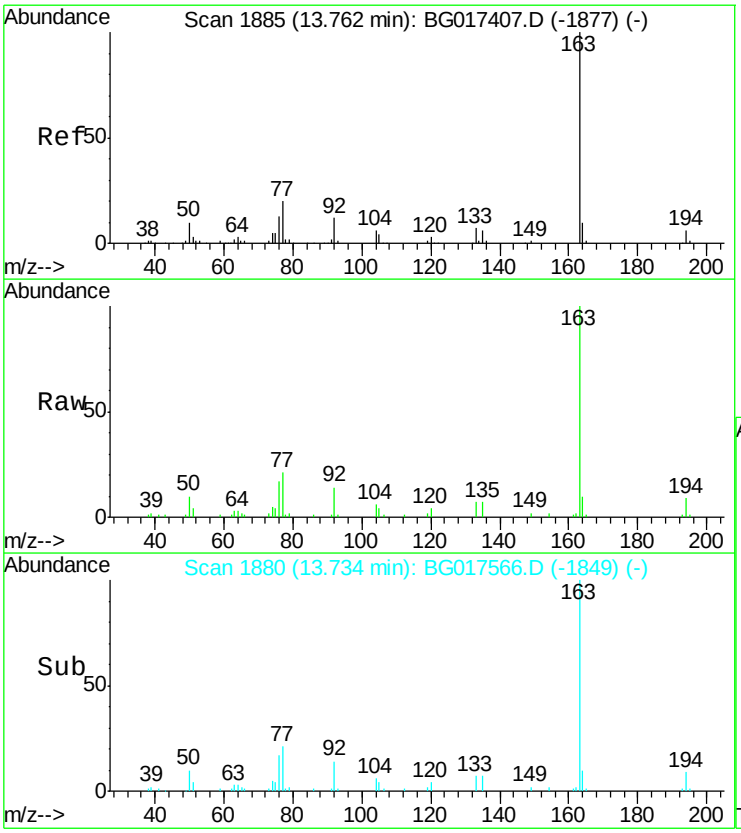

#48
Acenaphthylene
Concen: 2.37 ng
RT: 13.99 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:152 Resp: 14151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 16.5 | 24.7 |
| 153 | 11.7 | 10.7 | 16.1 |

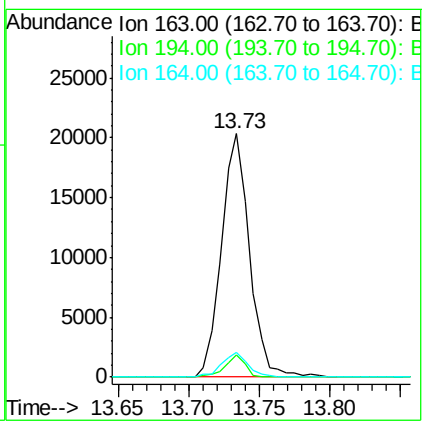


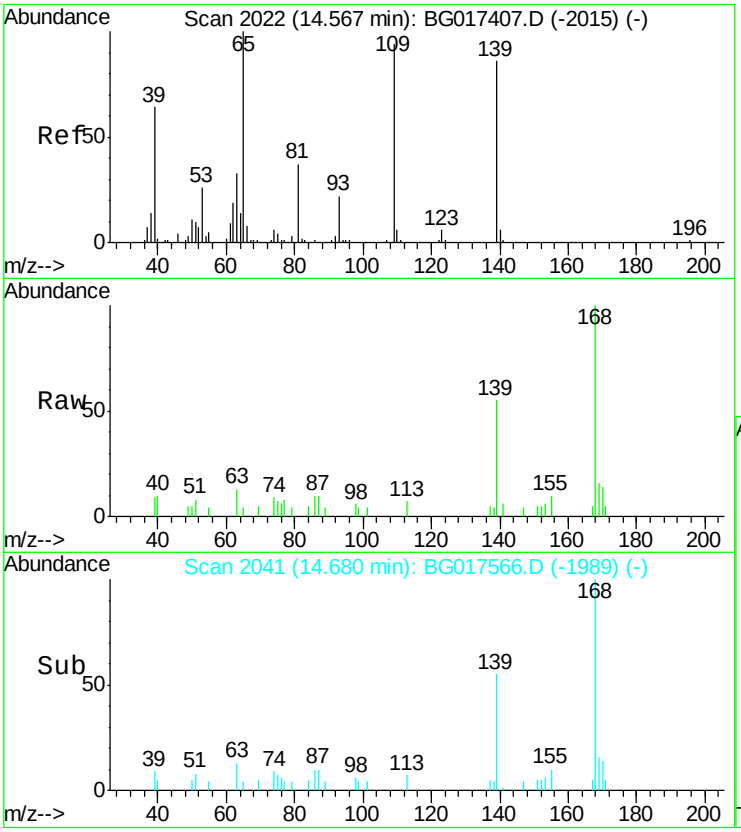




#49
Dimethylphthalate
Concen: 5.81 ng
RT: 13.73 min Scan# 1880
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:163 Resp: 28052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 9.2 | 4.9 | 7.3# |
| 164 | 10.1 | 8.2 | 12.2 |



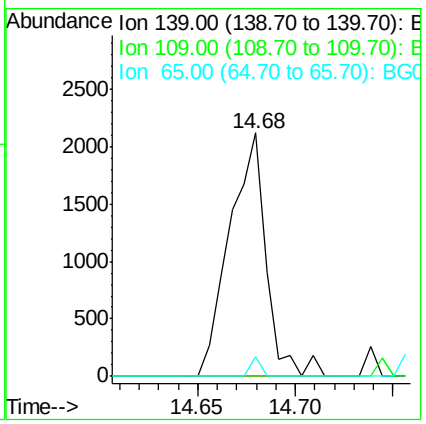


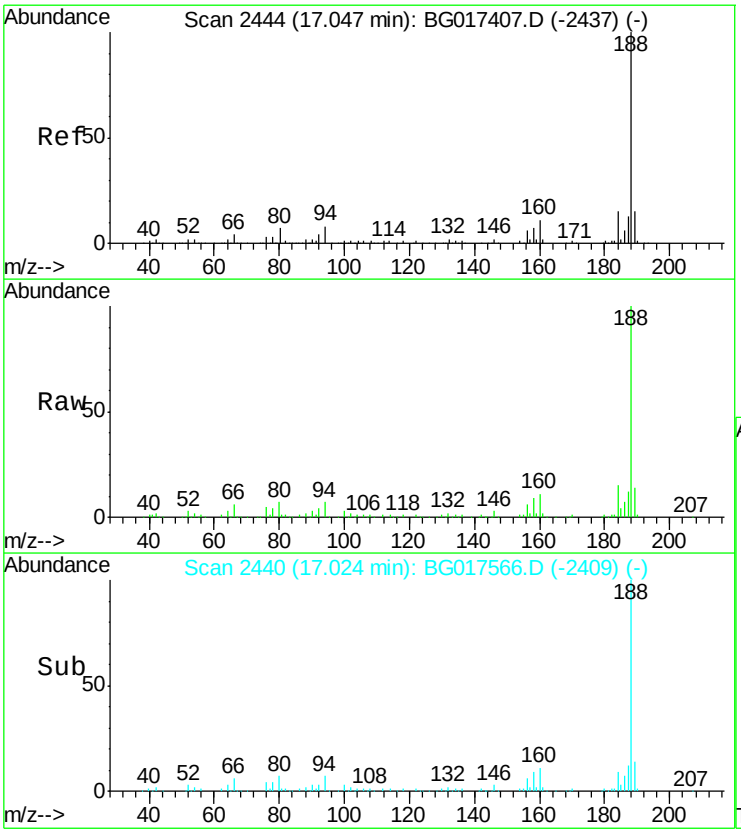

#55
4-Nitrophenol
Concen: 3.71 ng
RT: 14.68 min Scan# 2041
Delta R.T. 0.11 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:139 Resp: 2758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 89.5 | 129.5# |
| 65 | 8.0 | 95.9 | 135.9# |

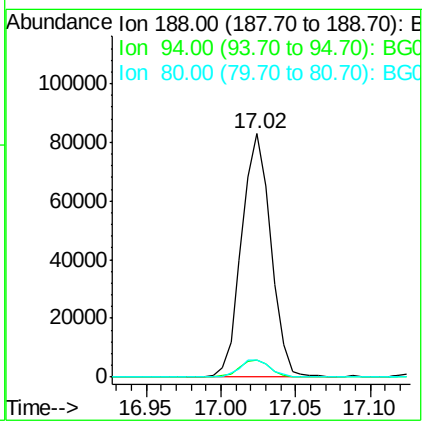


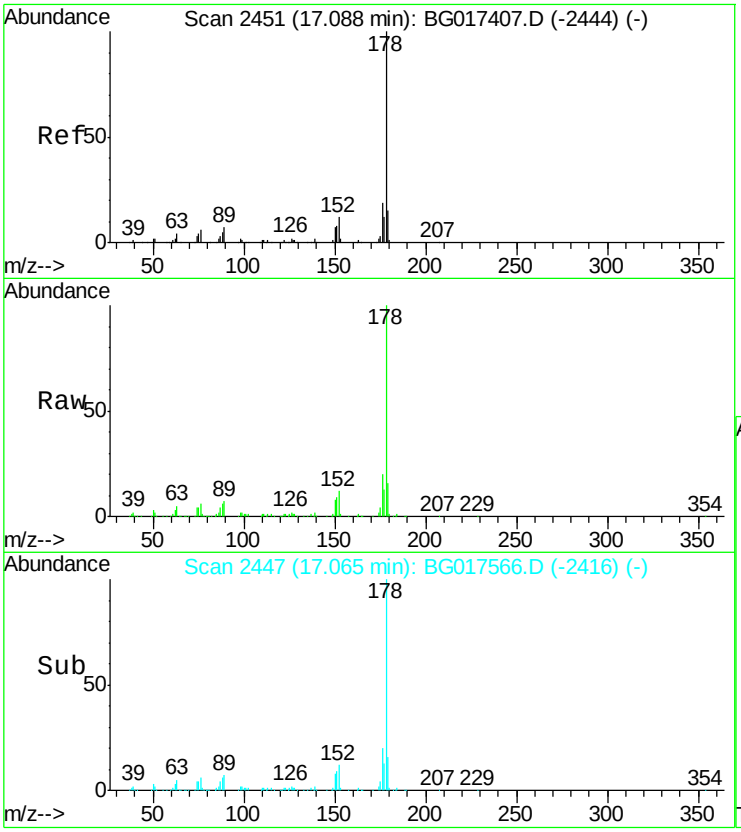




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:188 Resp: 112347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.8 | 6.3 | 9.5 |
| 80 | 7.1 | 5.2 | 7.8 |



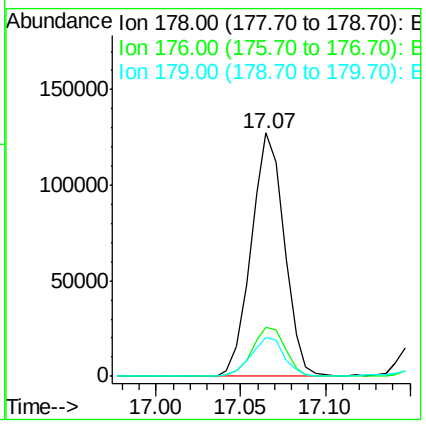


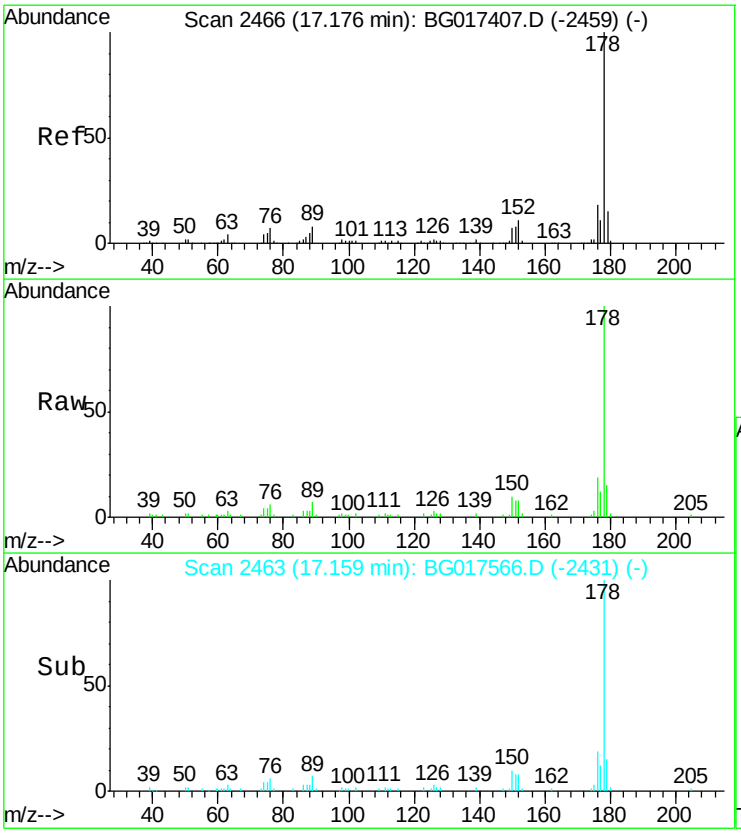

#70
Phenanthrene
Concen: 27.77 ng
RT: 17.07 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:178 Resp: 173922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.3 | 15.6 | 23.4 |
| 179 | 16.1 | 12.2 | 18.2 |

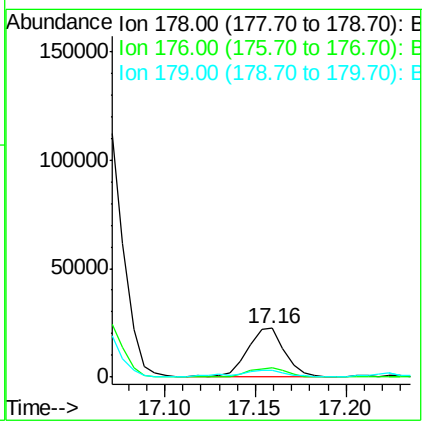


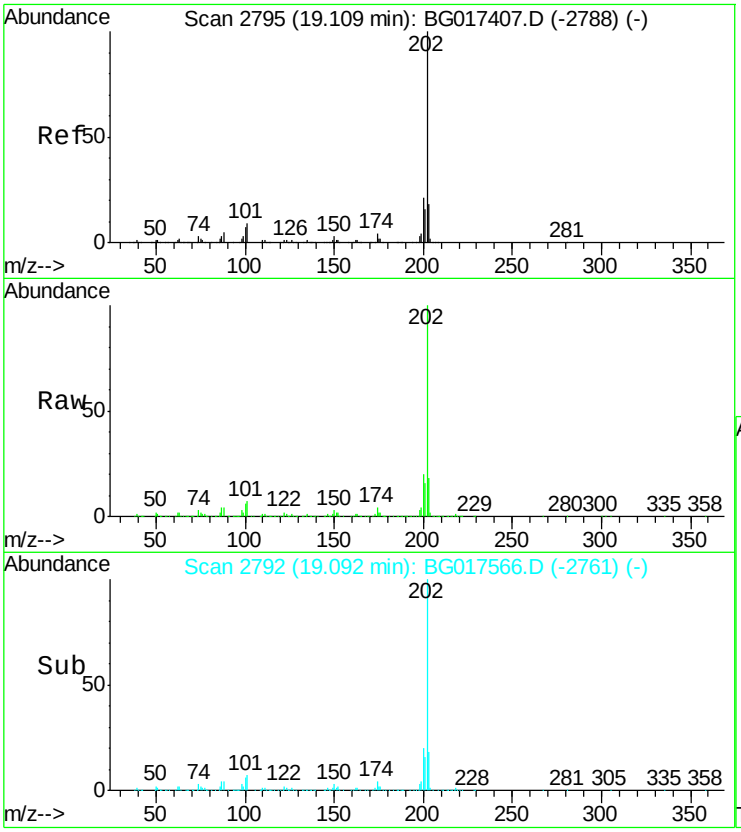




#71
Anthracene
Concen: 5.00 ng
RT: 17.16 min Scan# 2463
Delta R.T. -0.01 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:178 Resp: 31264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.2 | 21.2 |
| 179 | 14.7 | 12.2 | 18.4 |



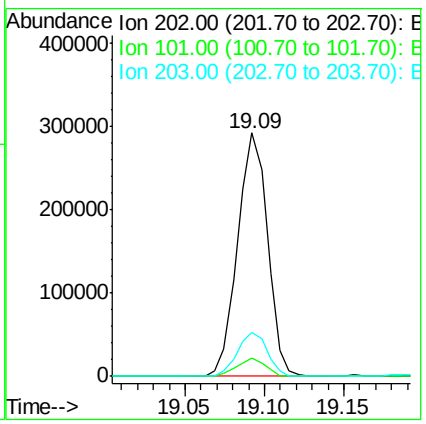


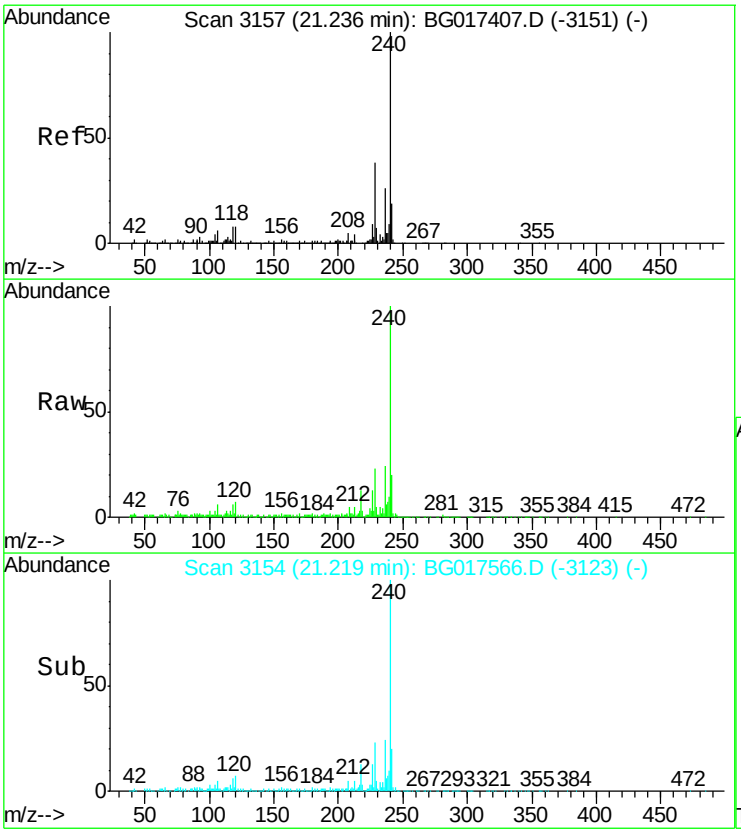

#74
Fluoranthene
Concen: 46.52 ng
RT: 19.09 min Scan# 2792
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:202 Resp: 381040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.4 | 0.0 | 28.8 |
| 203 | 18.1 | 0.0 | 37.6 |

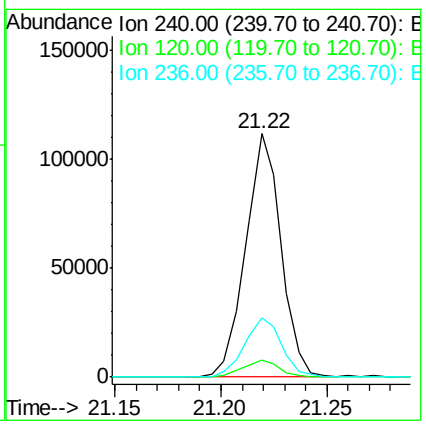


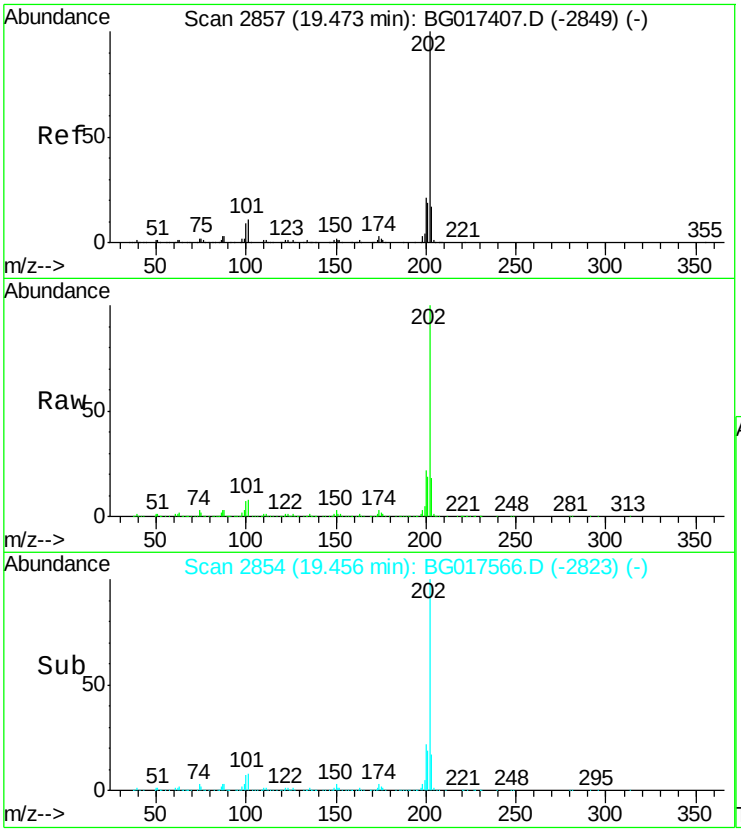




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.22 min Scan# 3154
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:240 Resp: 130003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.0 | 6.5 | 9.7 |
| 236 | 24.3 | 20.8 | 31.2 |



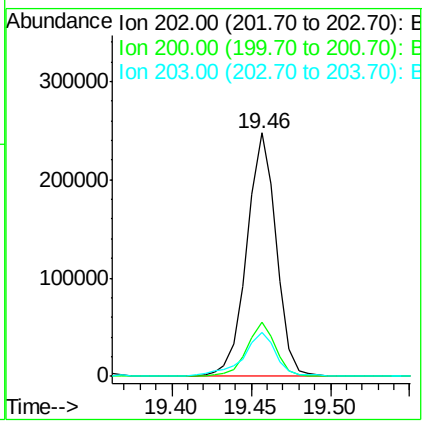


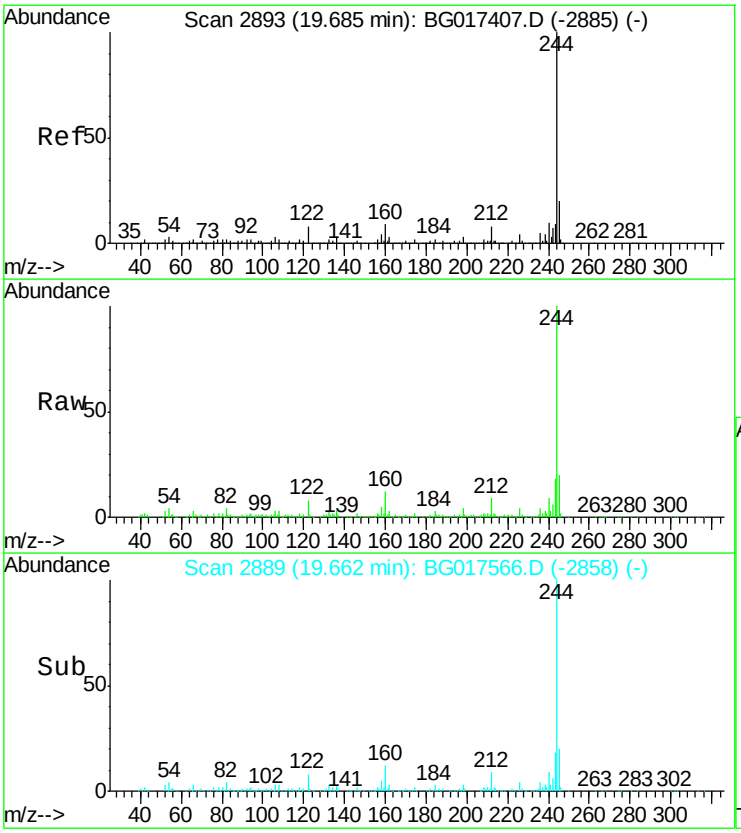

#77
Pyrene
Concen: 39.89 ng
RT: 19.46 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:202 Resp: 319457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.4 | 17.0 | 25.4 |
| 203 | 17.9 | 13.9 | 20.9 |

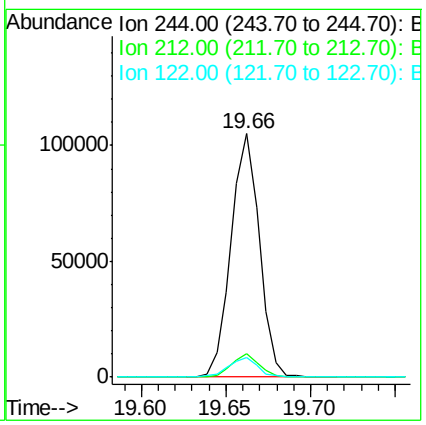


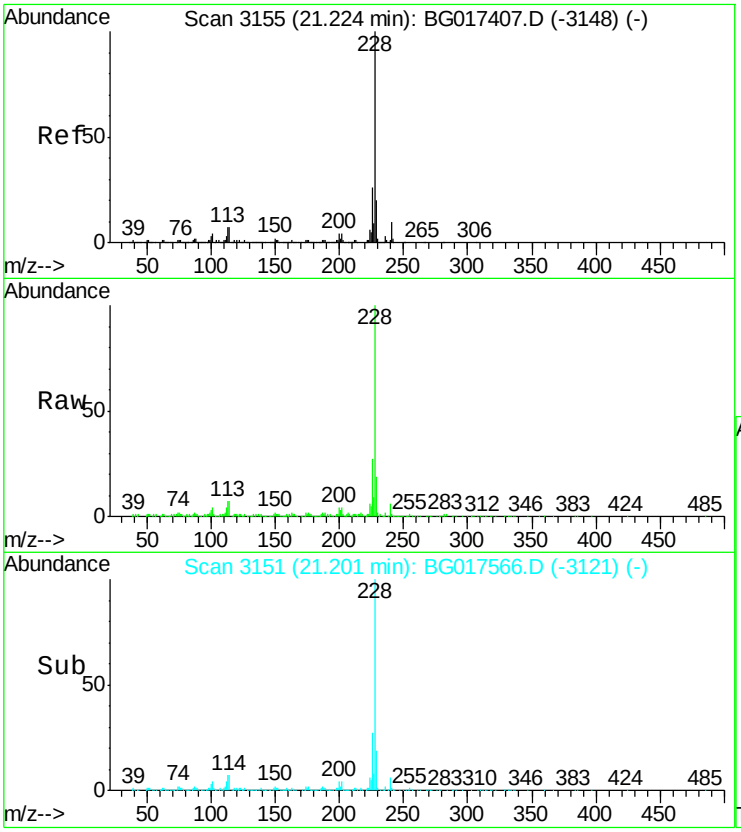




#78
Terphenyl-d14
Concen: 19.50 ng
RT: 19.66 min Scan# 2889
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:244 Resp: 122665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.5 | 6.4 | 9.6 |
| 122 | 8.2 | 6.6 | 10.0 |



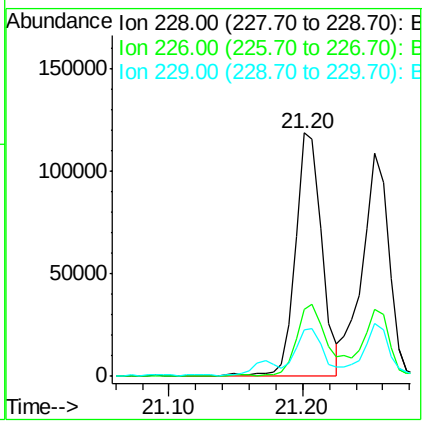


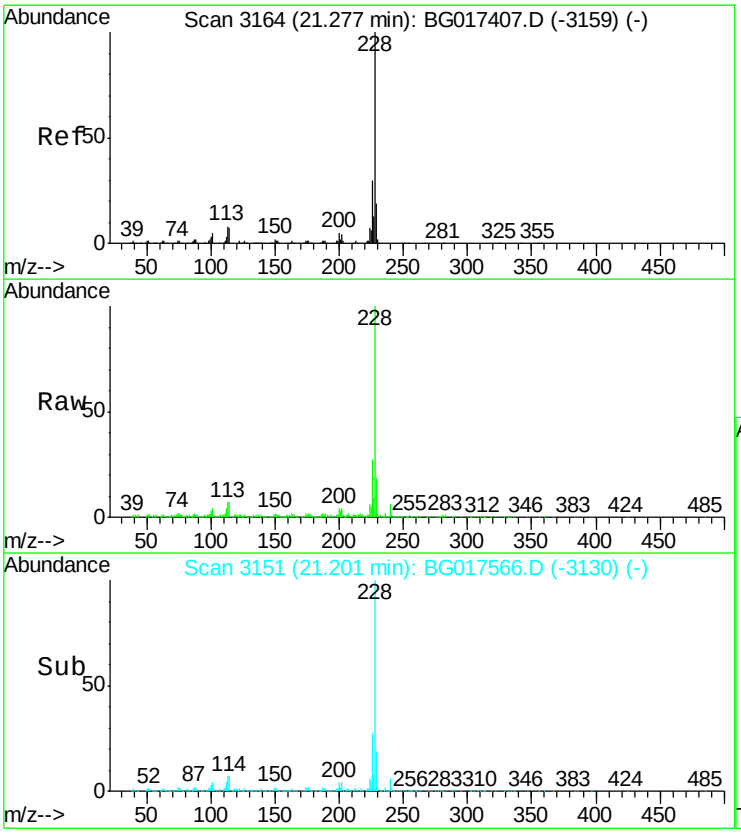

#80
Benzo(a)anthracene
Concen: 20.01 ng
RT: 21.20 min Scan# 3151
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:228 Resp: 159997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 21.0 | 31.6 |
| 229 | 19.3 | 15.7 | 23.5 |

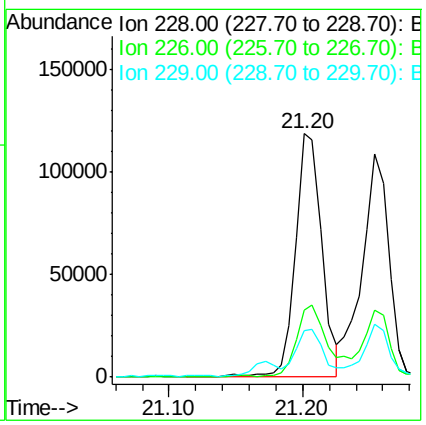


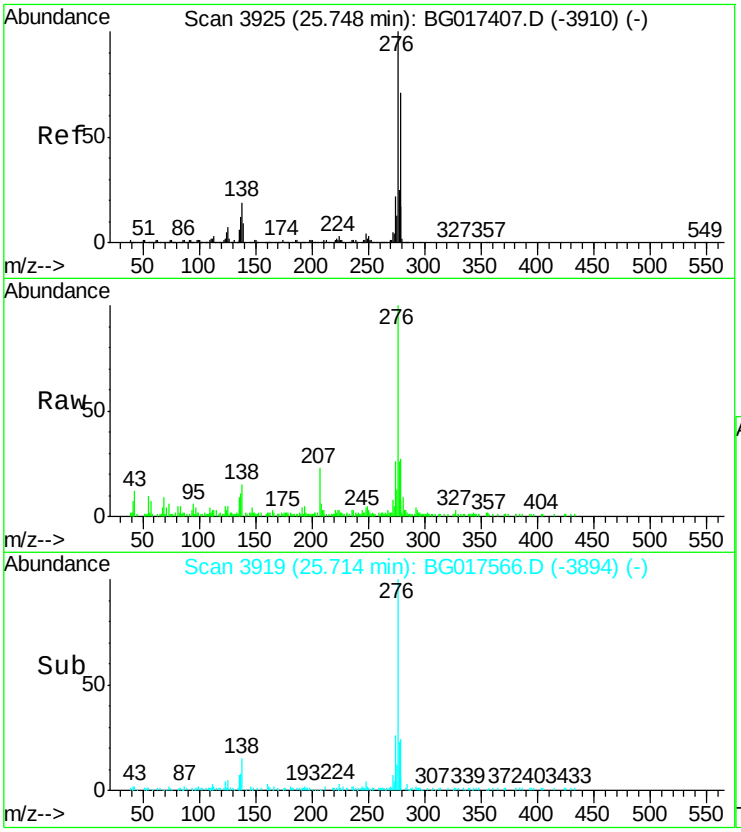




#82
Chrysene
Concen: 22.10 ng
RT: 21.20 min Scan# 3151
Delta R.T. -0.08 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:228 Resp: 159997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 23.7 | 35.5 |
| 229 | 19.3 | 15.2 | 22.8 |



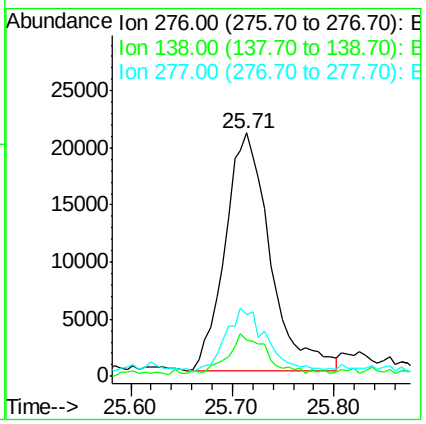


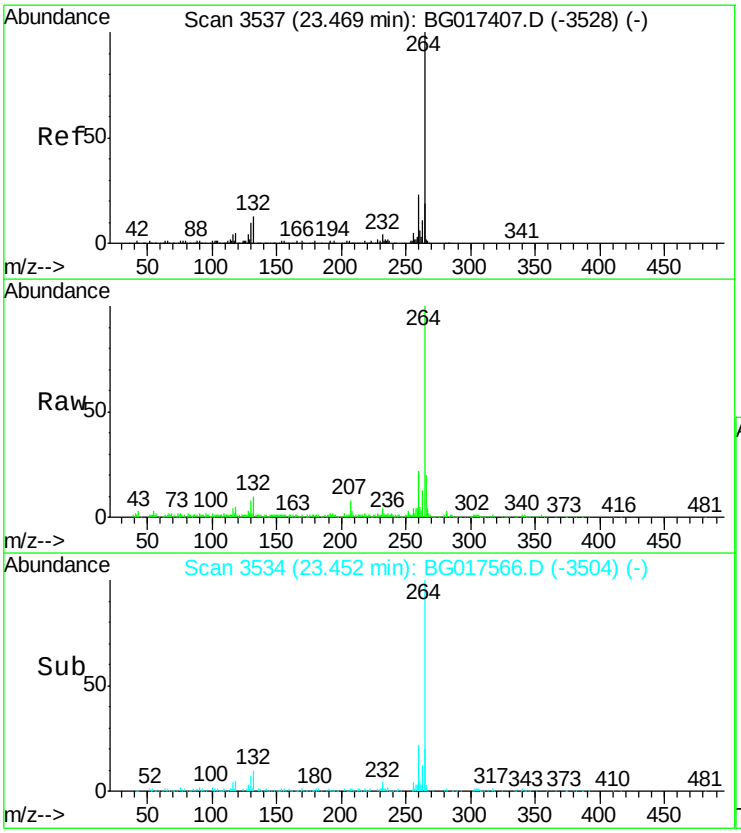

#85
Indeno(1,2,3-cd)pyrene
Concen: 7.07 ng
RT: 25.71 min Scan# 3919
Delta R.T. -0.05 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:276 Resp: 64316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.5 | 15.4 | 23.0# |
| 277 | 24.9 | 20.5 | 30.7 |

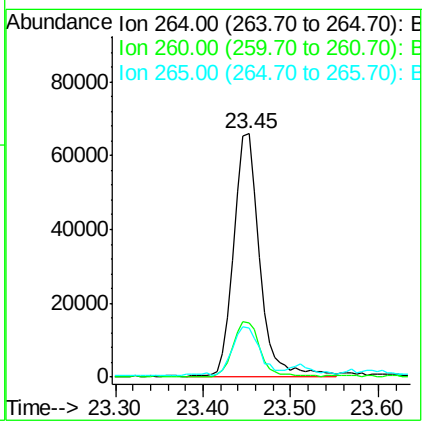


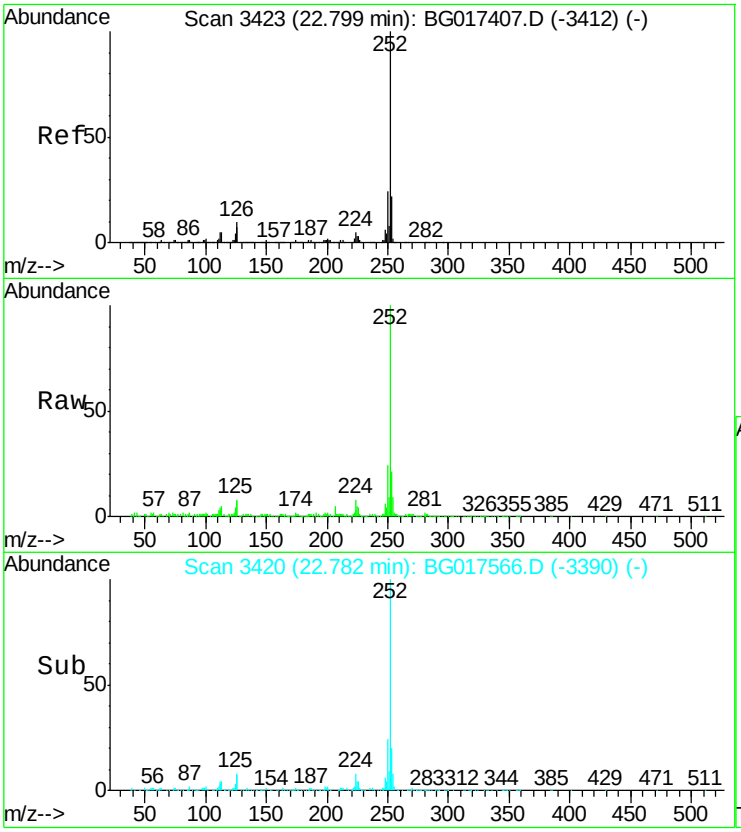




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.45 min Scan# 3534
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:264 Resp: 130926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.0 | 18.2 | 27.4 |
| 265 | 20.2 | 15.8 | 23.6 |



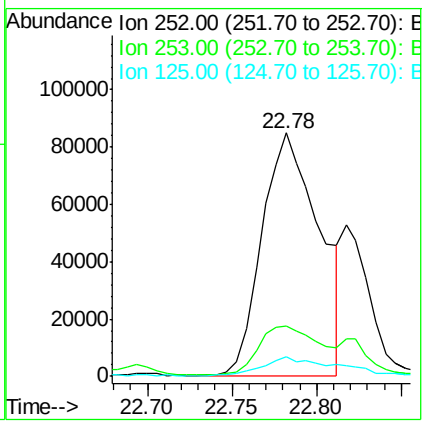


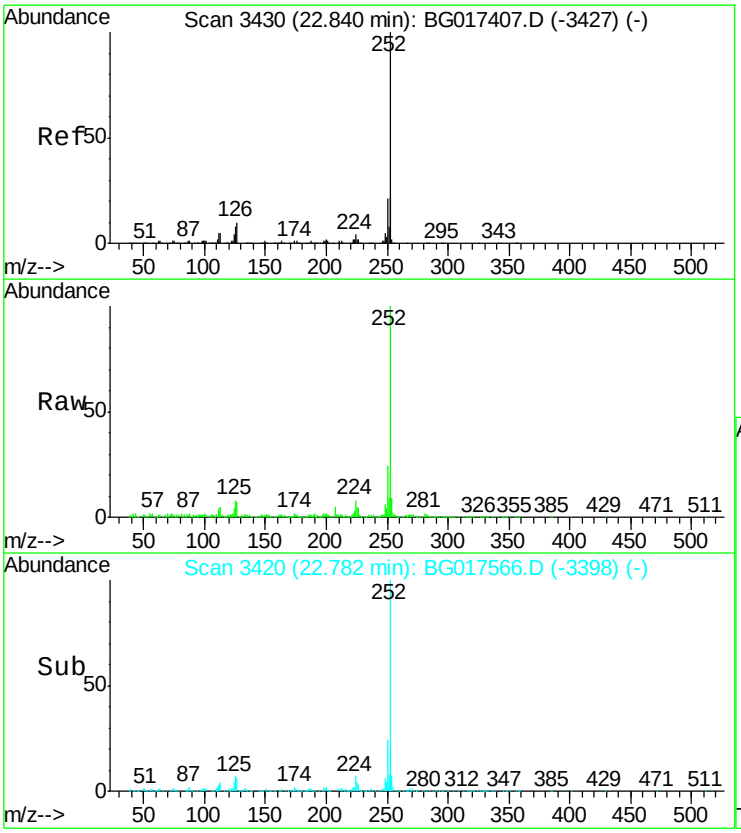

#87
Benzo(b)fluoranthene
Concen: 24.01 ng
RT: 22.78 min Scan# 3420
Delta R.T. -0.02 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:252 Resp: 199170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.7 | 17.4 | 26.2 |
| 125 | 7.9 | 5.8 | 8.8 |

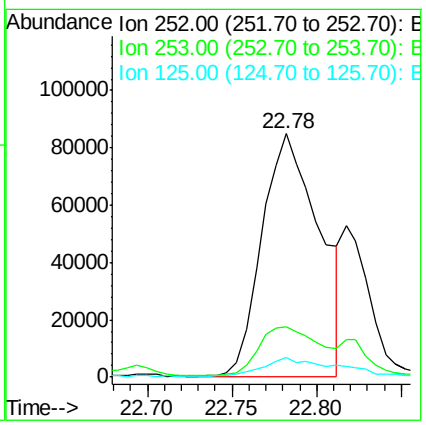


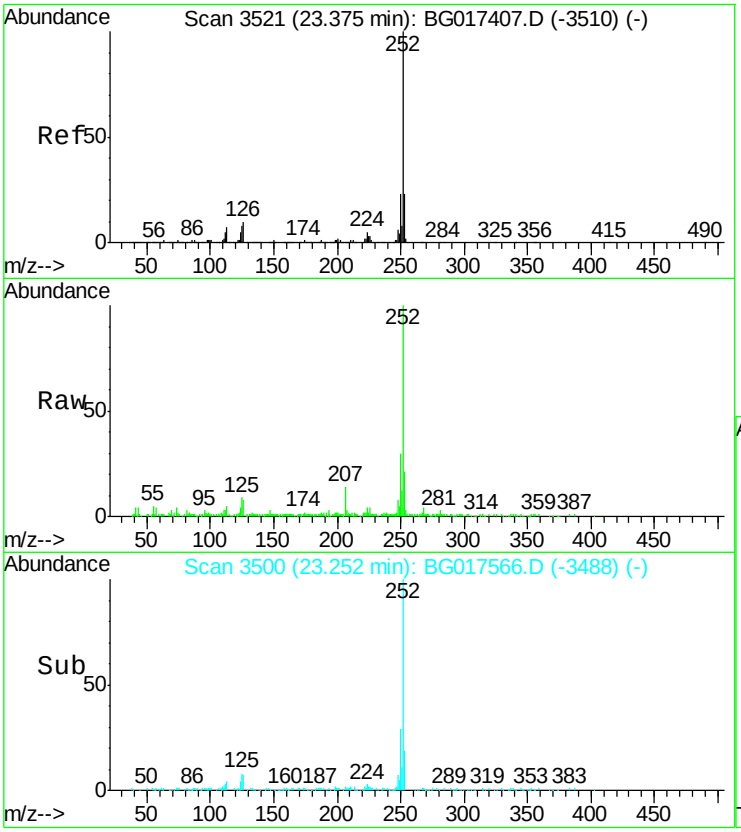




#88
Benzo(k)fluoranthene
Concen: 25.09 ng
RT: 22.78 min Scan# 3420
Delta R.T. -0.07 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:252 Resp: 199170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 20.7 | 17.7 | 26.5 |
| 125 | 7.9 | 6.5 | 9.7 |



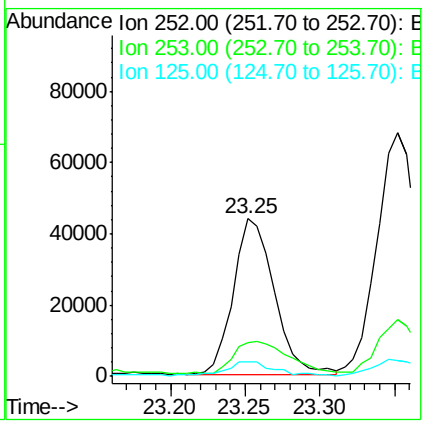


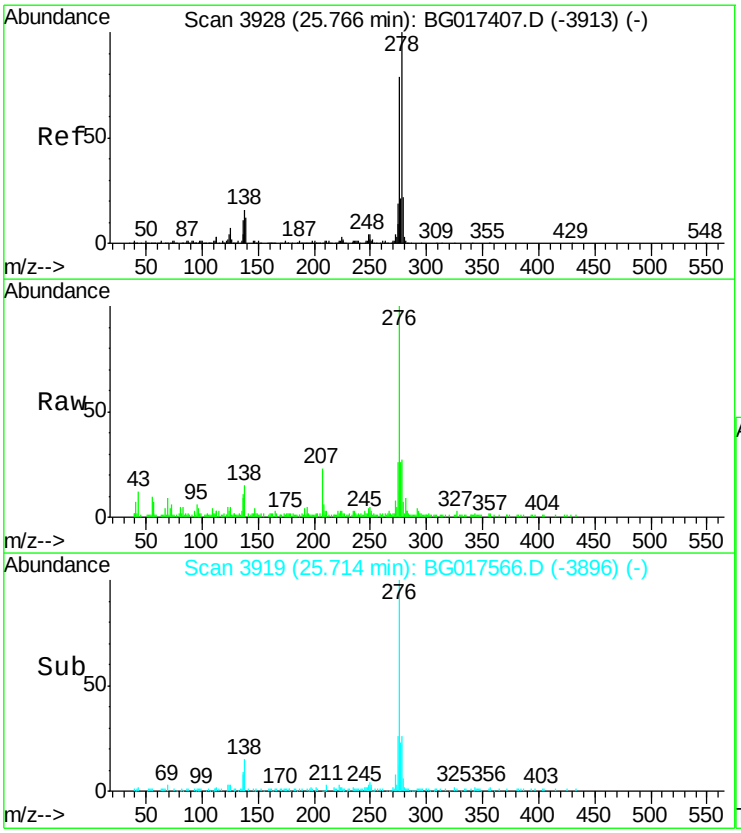

#89
Benzo(a)pyrene
Concen: 10.97 ng
RT: 23.25 min Scan# 3500
Delta R.T. -0.13 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:252 Resp: 83484

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 18.1 | 27.1 |
| 125 | 9.2 | 6.5 | 9.7 |

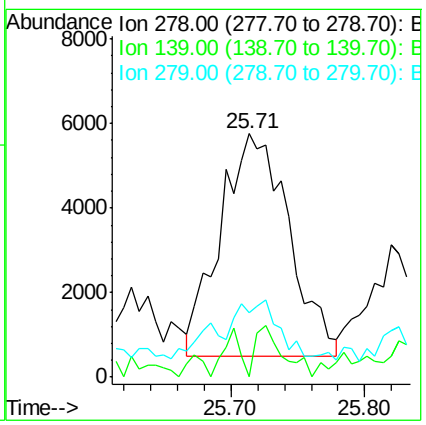


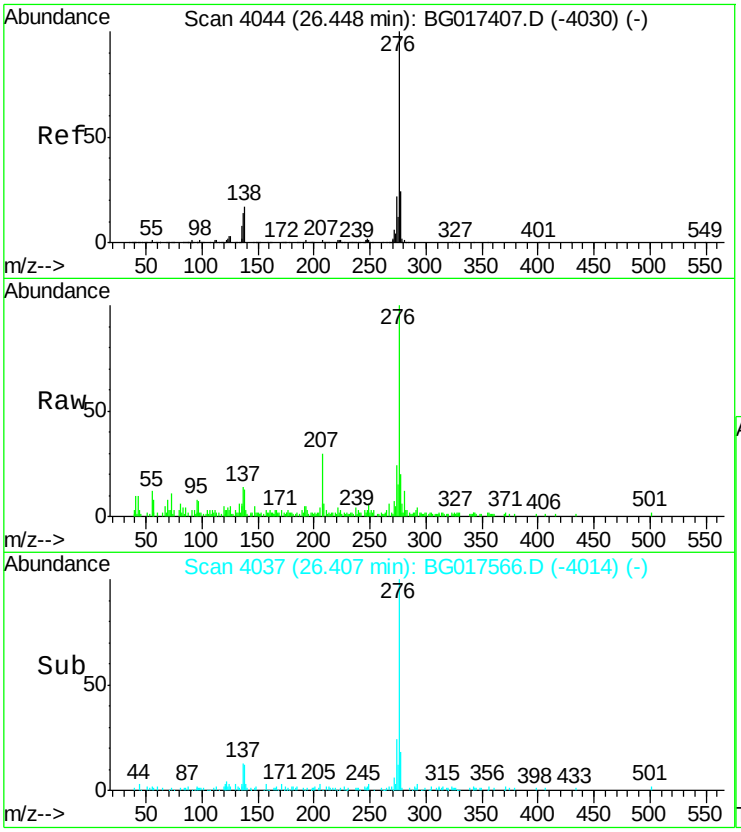




#90
Dibenzo(a,h)anthracene
Concen: 2.37 ng
RT: 25.71 min Scan# 3919
Delta R.T. -0.06 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

Tgt Ion:278 Resp: 18717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 9.4 | 14.0# |
| 279 | 26.2 | 17.8 | 26.8 |






#91
Benzo(g,h,i)perylene
Concen: 7.58 ng
RT: 26.41 min Scan# 4037
Delta R.T. -0.06 min
Lab File: BG017566.D
Acq: 9 Jun 2015 8:57

**Instrument :**
BNA_G
**ClientSampleId :**
SP-5DL

Tgt Ion:276 Resp: 57005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 19.5 | 19.2 | 28.8 |
| 138 | 12.6 | 13.5 | 20.3# |