Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040908.D
Acq On : 12 May 2019 14:10
Operator : HP/JU
Sample : K2766-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** P026-SS006-0612-01

Quant Time: May 13 03:55:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.13 | 152 | 54061 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.96 | 136 | 233221 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.76 | 164 | 170788 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.51 | 188 | 427967 | 20.00 | ng | | -0.03 |
| 76) Chrysene-d12 | 21.79 | 240 | 425678 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 25.14 | 264 | 467390 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 427152 | 139.28 | ng | | -0.02 |
| 7) Phenol-d6 | 7.28 | 99 | 638632 | 135.24 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 441169 | 87.41 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.25 | 330 | 344083 | 146.57 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.39 | 172 | 988452 | 83.58 | ng | | -0.03 |
| 79) Terphenyl-d14 | 20.10 | 244 | 1557869 | 81.08 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 7.27 | 77 | 1280 | Below Cal | | # | 6 |
| 19) n-Nitroso-di-n-propylamine | 9.31 | 70 | 63819 | 15.014 | ng | # | 75 |
| 50) Dimethylphthalate | 14.20 | 163 | 135261 | 9.466 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.76 | 165 | 22536 | 5.947 | ng | # | 16 |
| 65) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 54 | 7.123 | ng | # | 28 |
| 67) 4-Bromophenyl-phenylether | 16.25 | 248 | 25259 | 4.737 | ng | # | 1 |
| 75) Fluoranthene | 19.55 | 202 | 135164 | 4.705 | ng | | 97 |
| 77) Benzidine | 20.10 | 184 | 28066 | 2.408 | ng | # | 95 |
| 78) Pyrene | 19.92 | 202 | 270988 | 10.157 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.77 | 228 | 112796 | 4.193 | ng | | 96 |
| 83) Chrysene | 21.84 | 228 | 151398 | 5.917 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.97 | 276 | 125463 | 4.056 | ng | | 96 |
| 88) Benzo(b)fluoranthene | 24.06 | 252 | 184782 | 6.470 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.06 | 252 | 184782 | 6.928 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.97 | 252 | 126351 | 4.673 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 30.17 | 276 | 155816 | 5.722 | ng | | 98 |

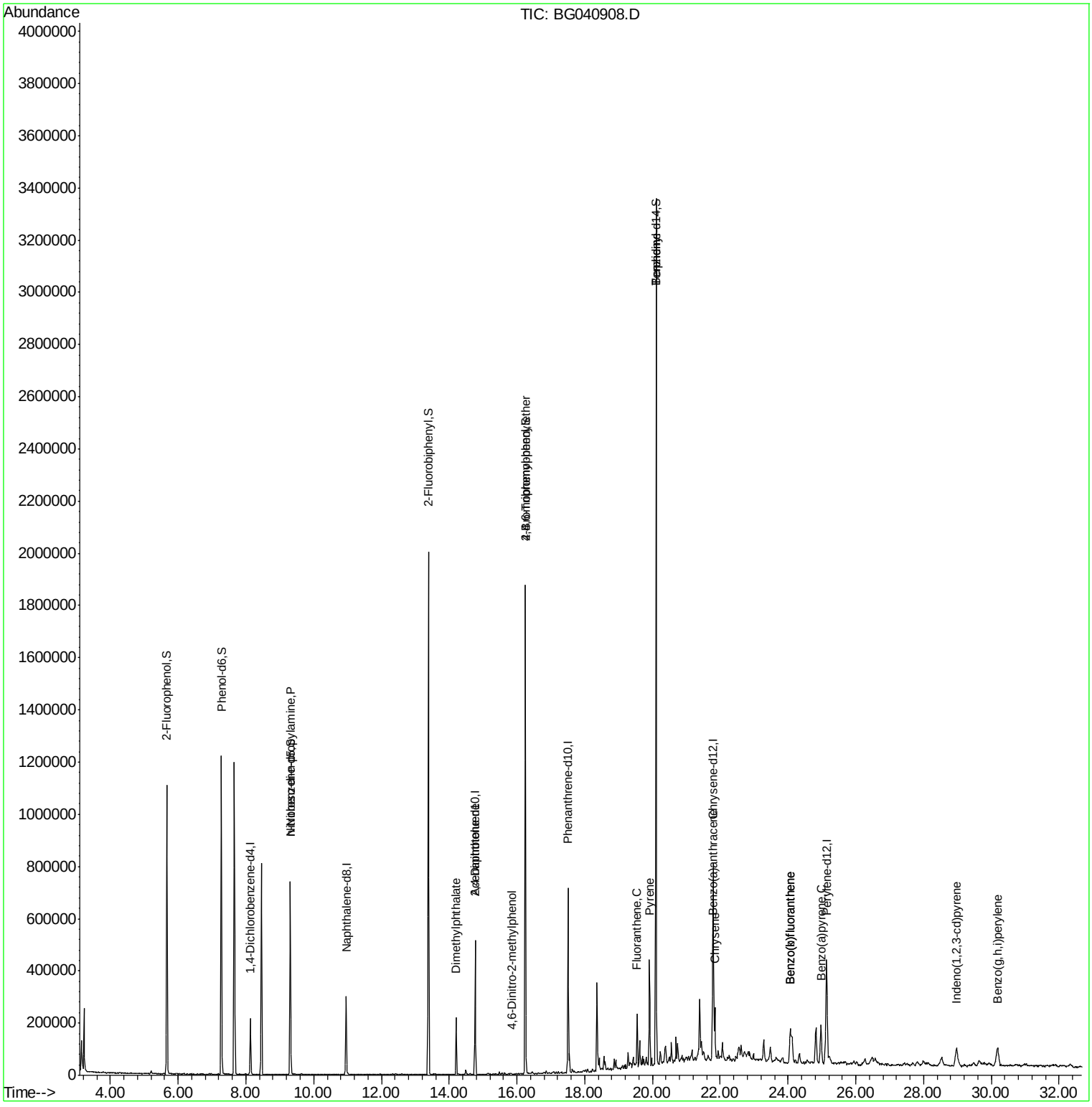
(#) = qualifier out of range (m) = manual integration (+) = signals summed

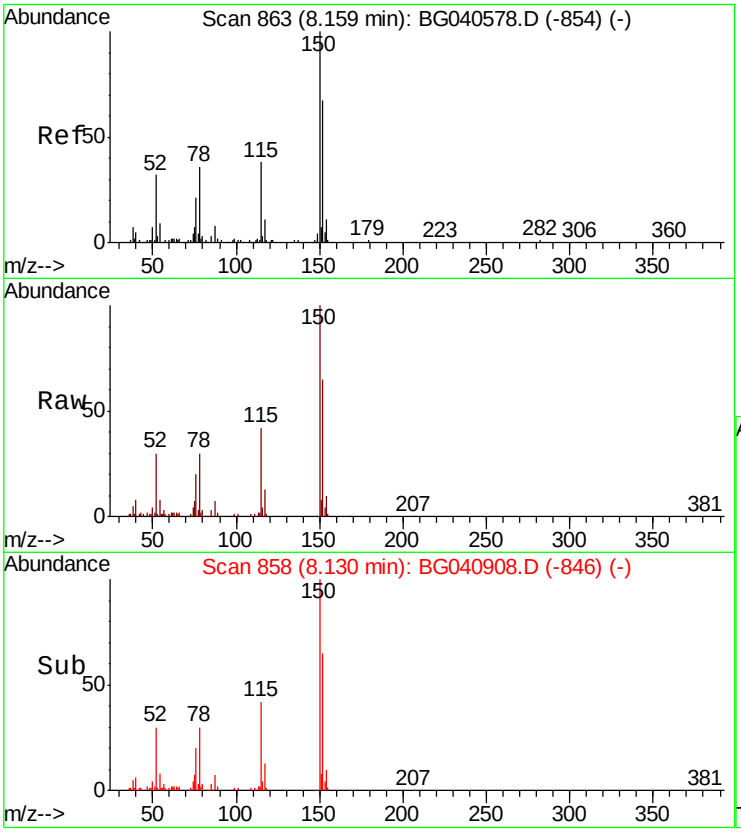
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040908.D
Acq On : 12 May 2019 14:10
Operator : HP/JU
Sample : K2766-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Quant Time: May 13 03:55:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG042319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 05:35:33 2019
Response via : Initial Calibration



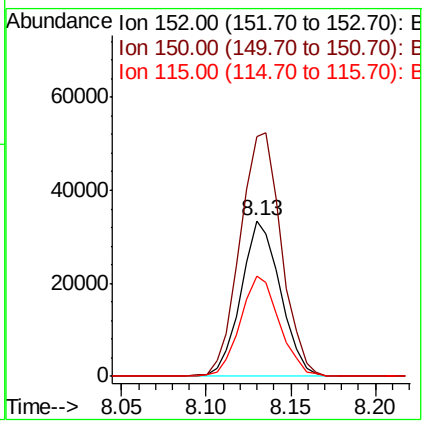


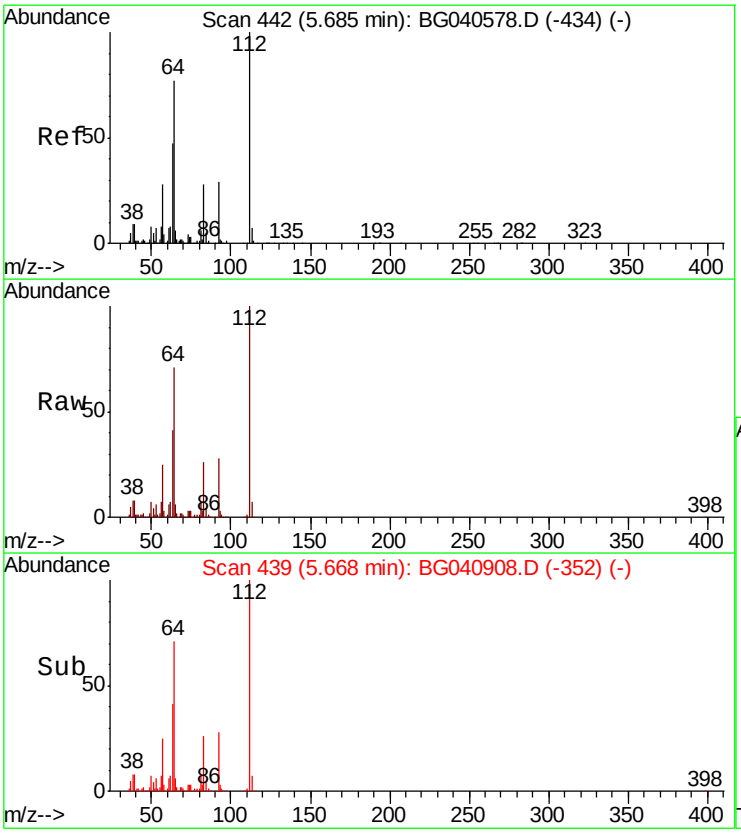

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:152 Resp: 54061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.9 | 120.2 | 180.2 |
| 115 | 64.5 | 46.2 | 69.2 |

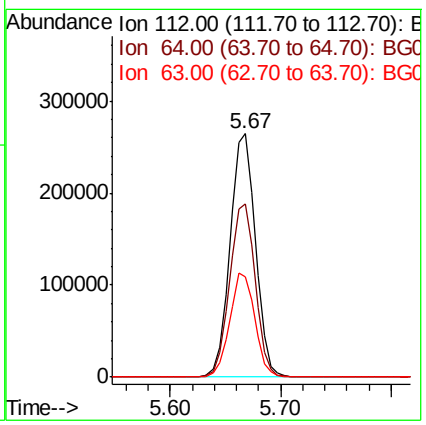


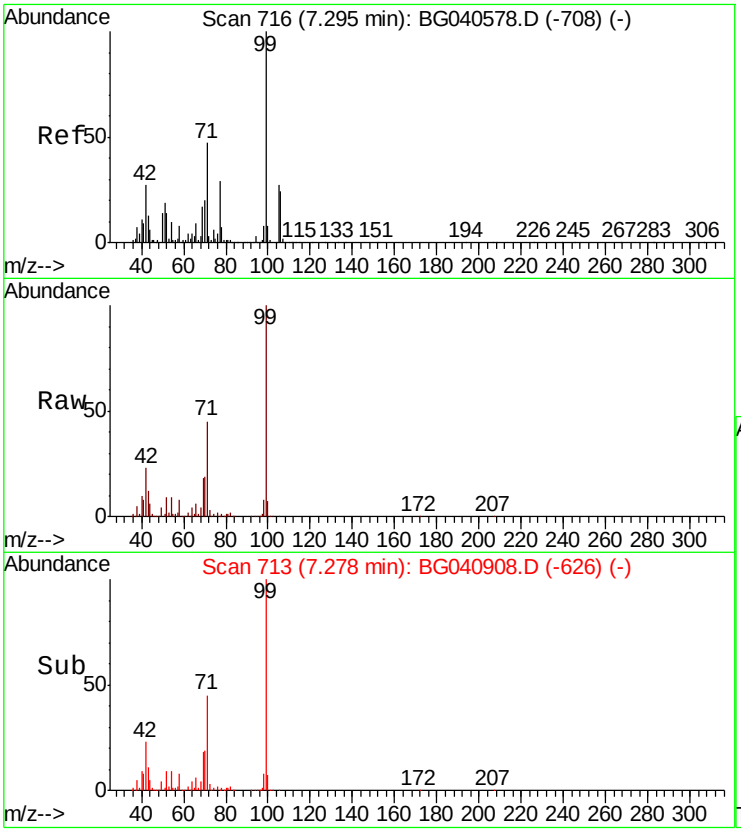




#5
2-Fluorophenol
Concen: 139.281 ng
RT: 5.67 min Scan# 439
Delta R.T. -0.02 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:112 Resp: 427152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.3 | 61.4 | 92.0 |
| 63 | 41.3 | 37.8 | 56.6 |



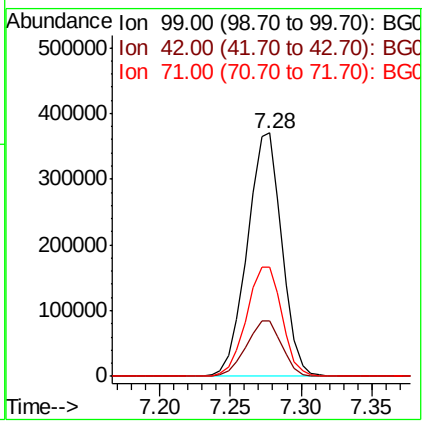


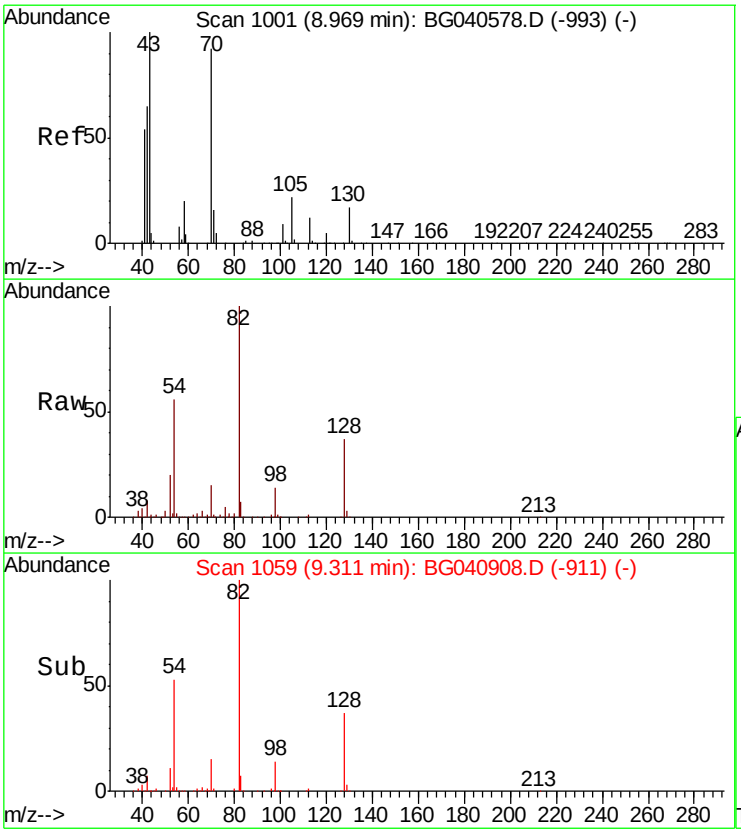

#7
Phenol-d6
Concen: 135.245 ng
RT: 7.28 min Scan# 713
Delta R.T. -0.02 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion: 99 Resp: 638632

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.8 | 21.8 | 32.8 |
| 71 | 45.0 | 38.6 | 57.8 |

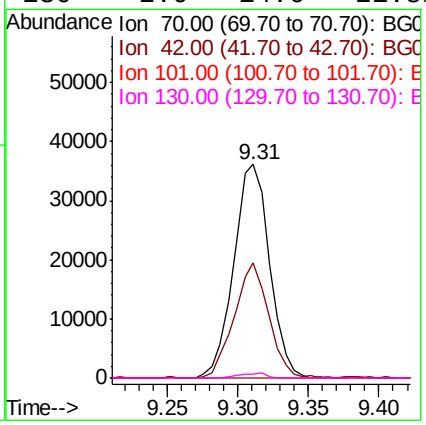


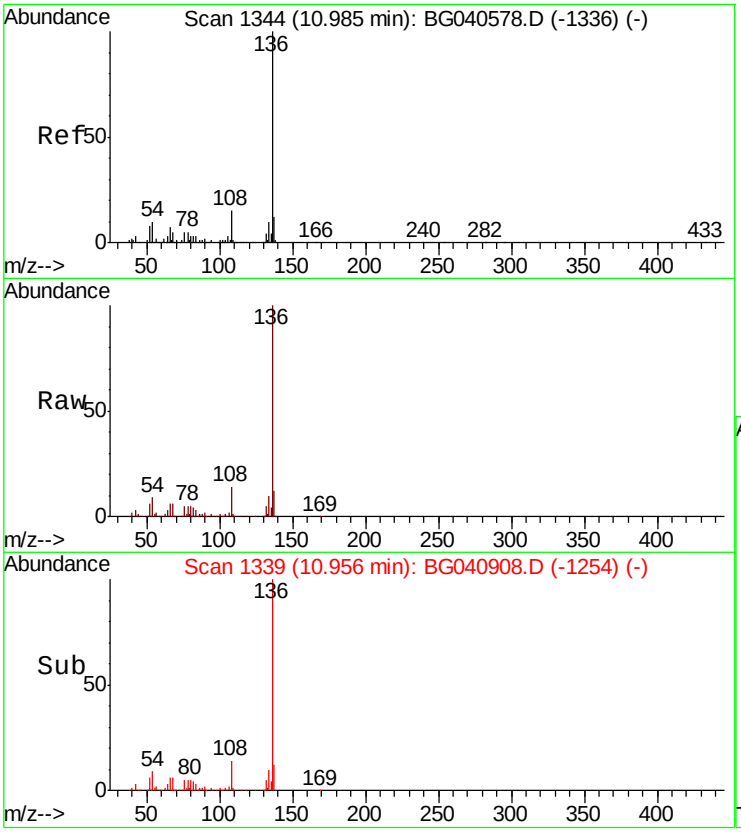




#19
n-Nitroso-di-n-propylamine
Concen: 15.014 ng
RT: 9.31 min Scan# 1059
Delta R.T. 0.34 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion: 70 Resp: 63819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.7 | 57.1 | 85.7# |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 2.0 | 14.6 | 21.8# |



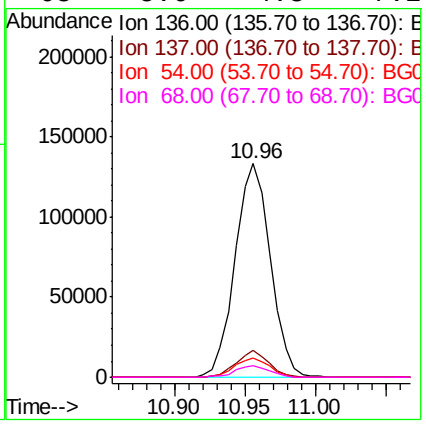


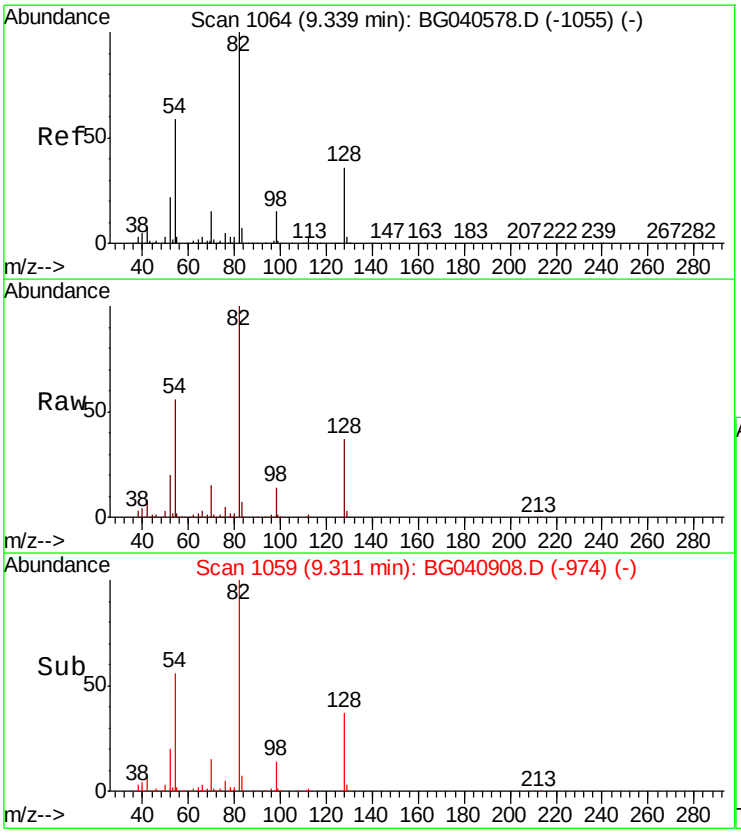

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1339
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:136 Resp: 233221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.4 | 9.7 | 14.5 |
| 54 | 9.3 | 8.6 | 12.8 |
| 68 | 5.6 | 4.8 | 7.2 |

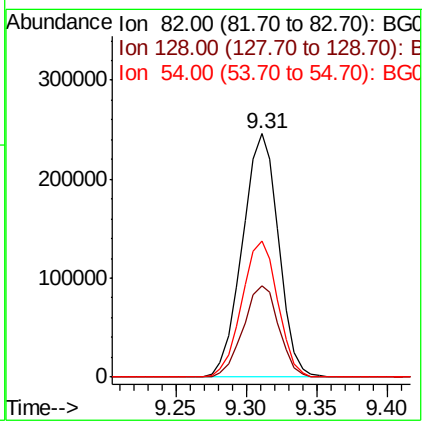


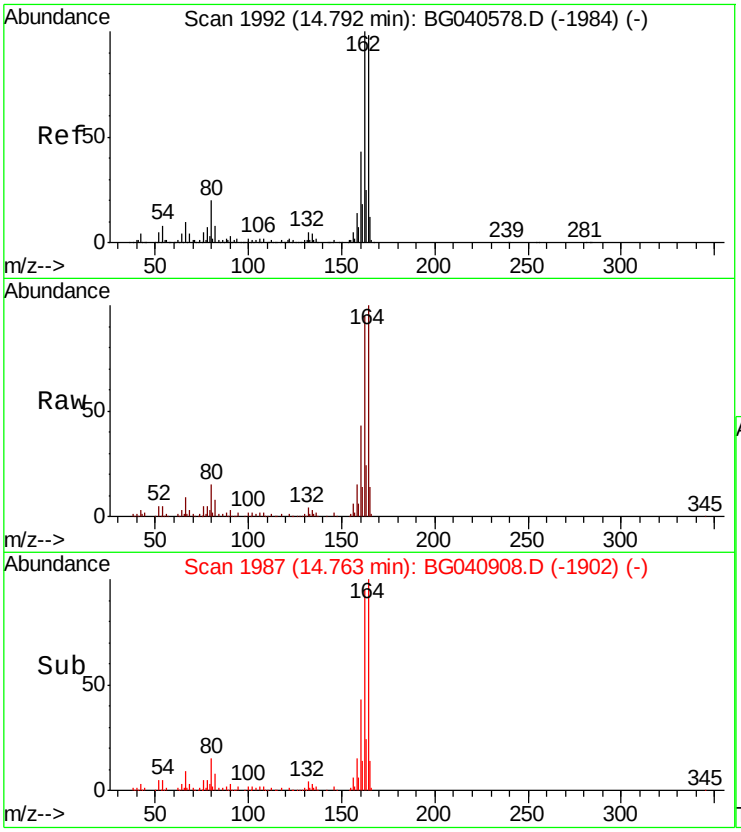




#23
Nitrobenzene-d5
Concen: 87.405 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion: 82 Resp: 441169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.5 | 28.9 | 43.3 |
| 54 | 55.8 | 47.2 | 70.8 |



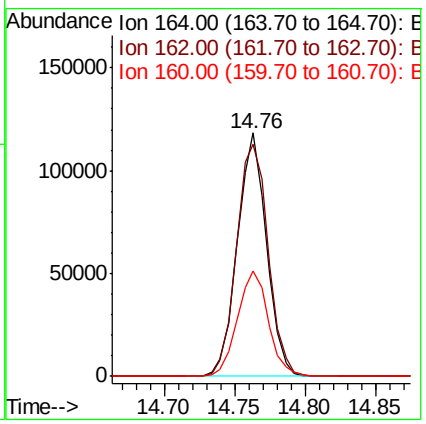


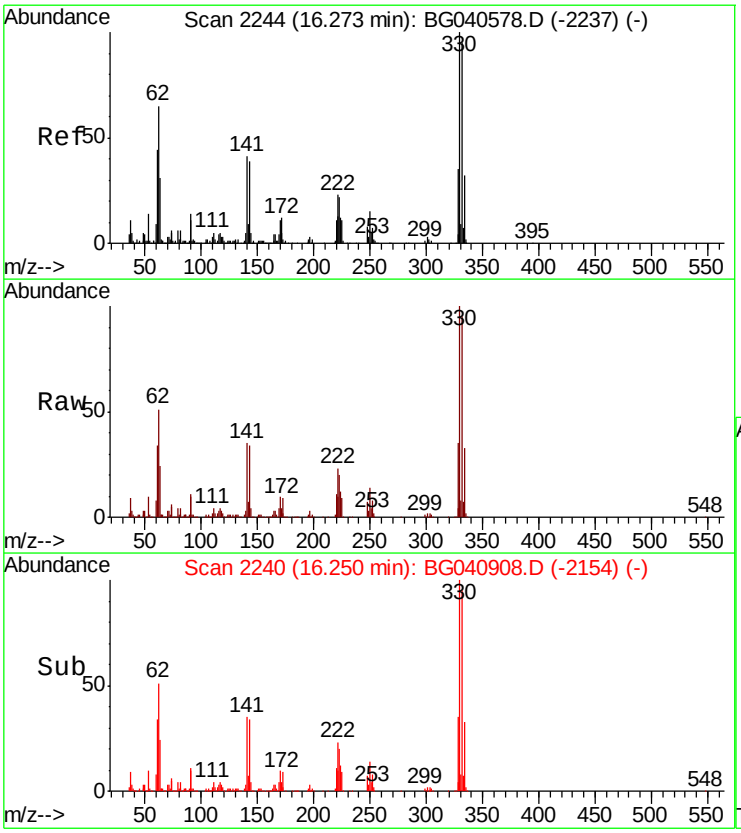

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:164 Resp: 170788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 95.2 | 81.9 | 122.9 |
| 160 | 43.3 | 35.4 | 53.2 |

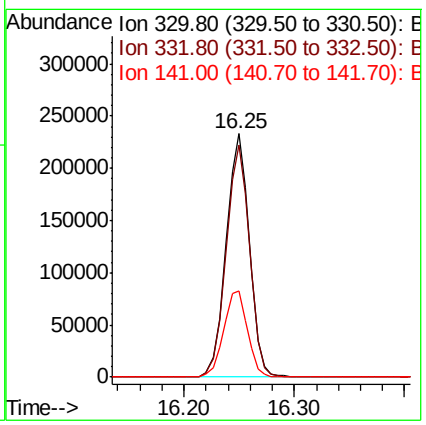


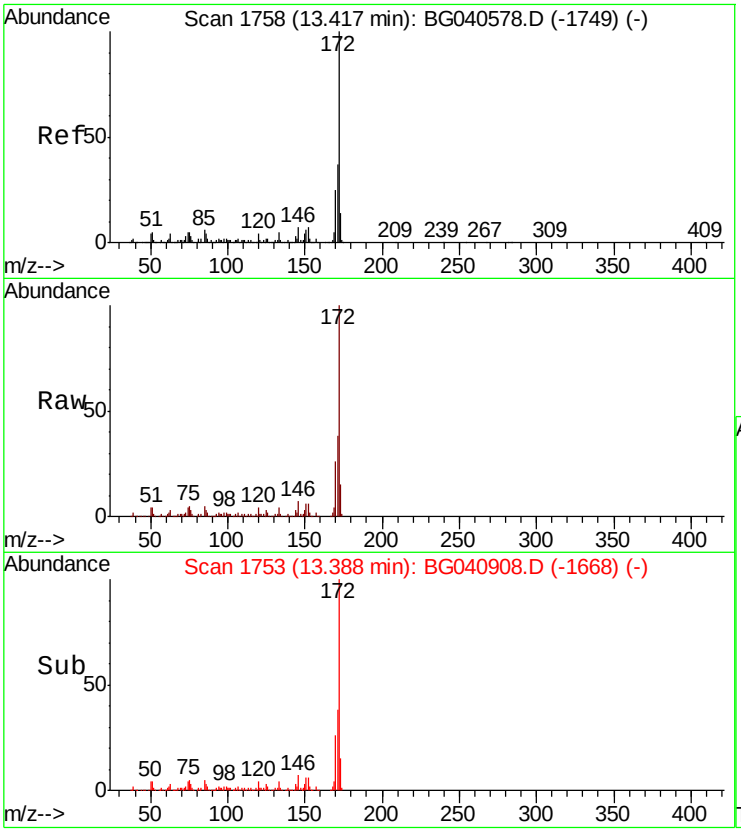




#42
2,4,6-Tribromophenol
Concen: 146.573 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.02 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:330 Resp: 344083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 75.9 | 113.9 |
| 141 | 36.1 | 32.4 | 48.6 |



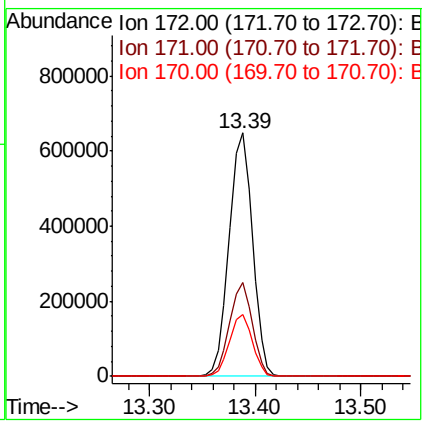


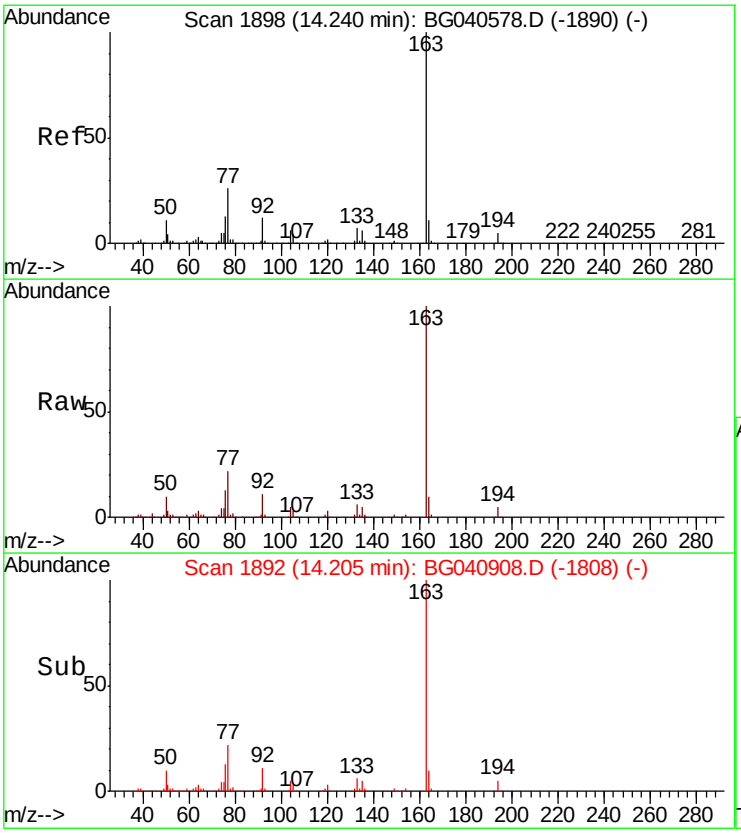

#45
2-Fluorobiphenyl
Concen: 83.584 ng
RT: 13.39 min Scan# 1753
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:172 Resp: 988452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.3 | 29.4 | 44.2 |
| 170 | 25.6 | 19.9 | 29.9 |

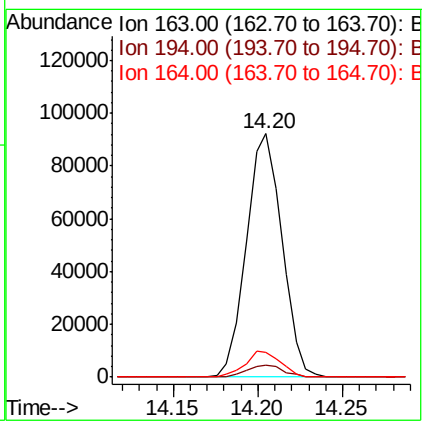


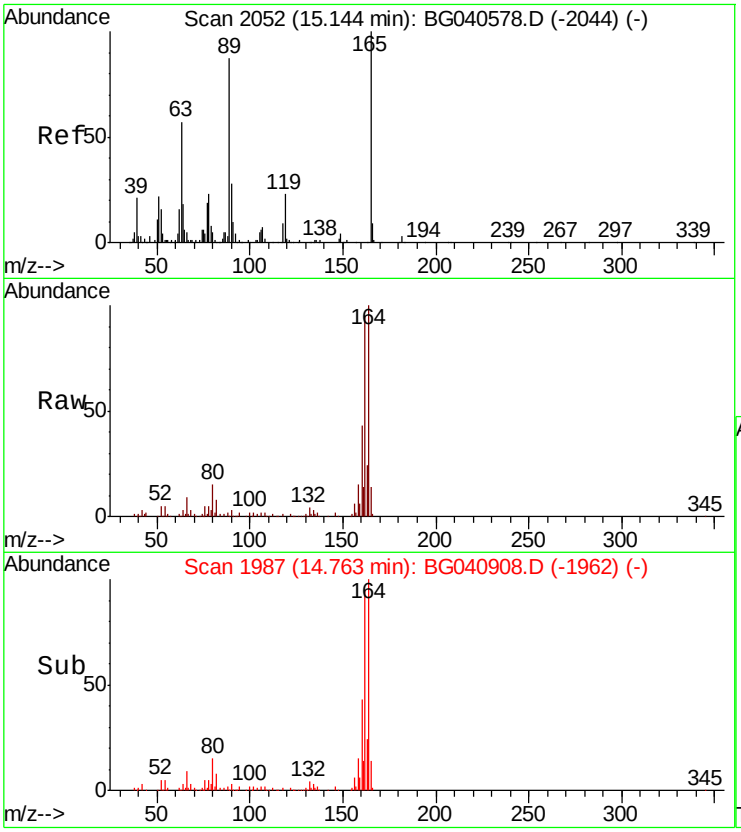




#50
Dimethylphthalate
Concen: 9.466 ng
RT: 14.20 min Scan# 1892
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:163 Resp: 135261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.1 | 3.8 | 5.8 |
| 164 | 9.9 | 8.8 | 13.2 |



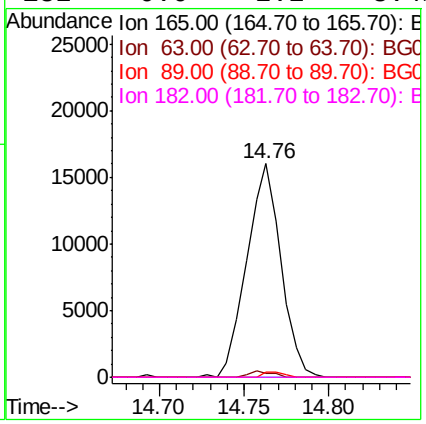


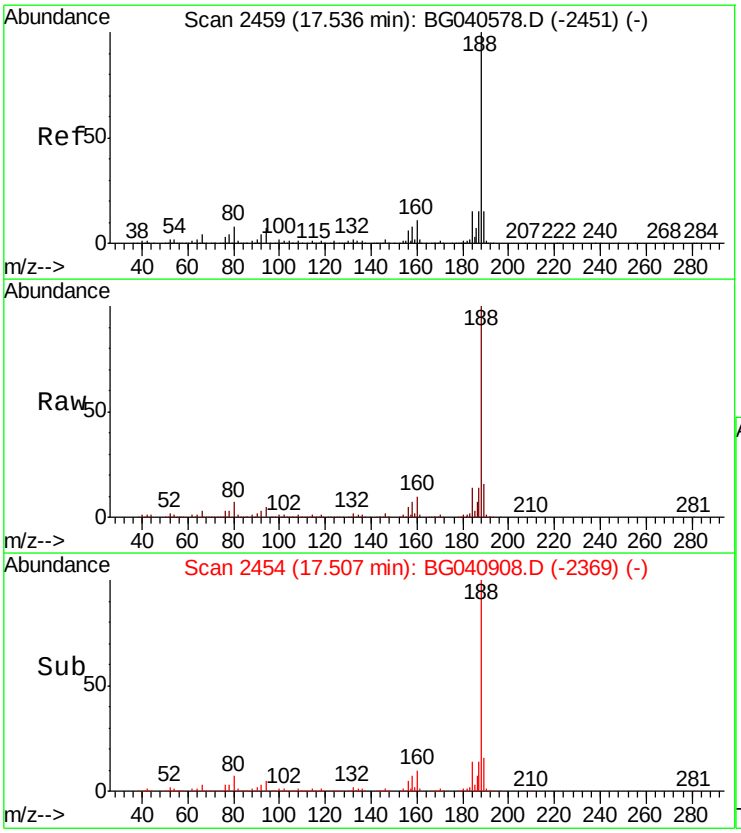

#57
2,4-Dinitrotoluene
Concen: 5.947 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.38 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:165 Resp: 22536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.0 | 45.8 | 68.8# |
| 89 | 2.2 | 69.4 | 104.2# |
| 182 | 0.0 | 2.2 | 3.4# |

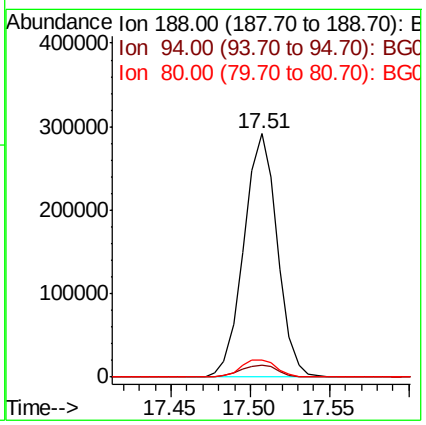


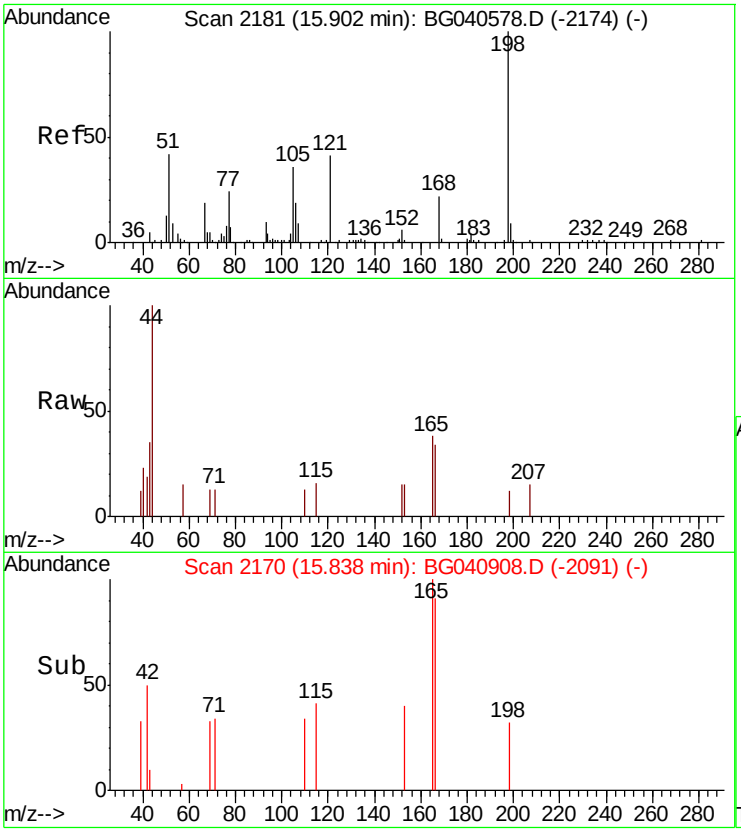




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2454
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:188 Resp: 427967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.1 | 5.6 | 8.4# |
| 80 | 7.1 | 6.4 | 9.6 |



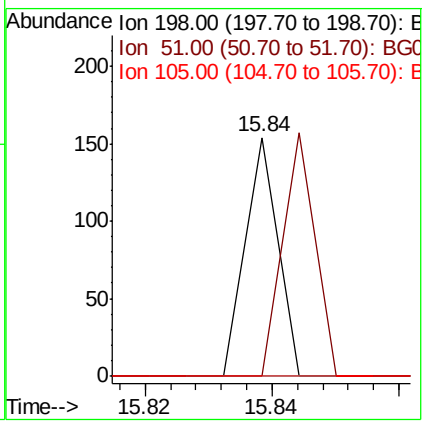


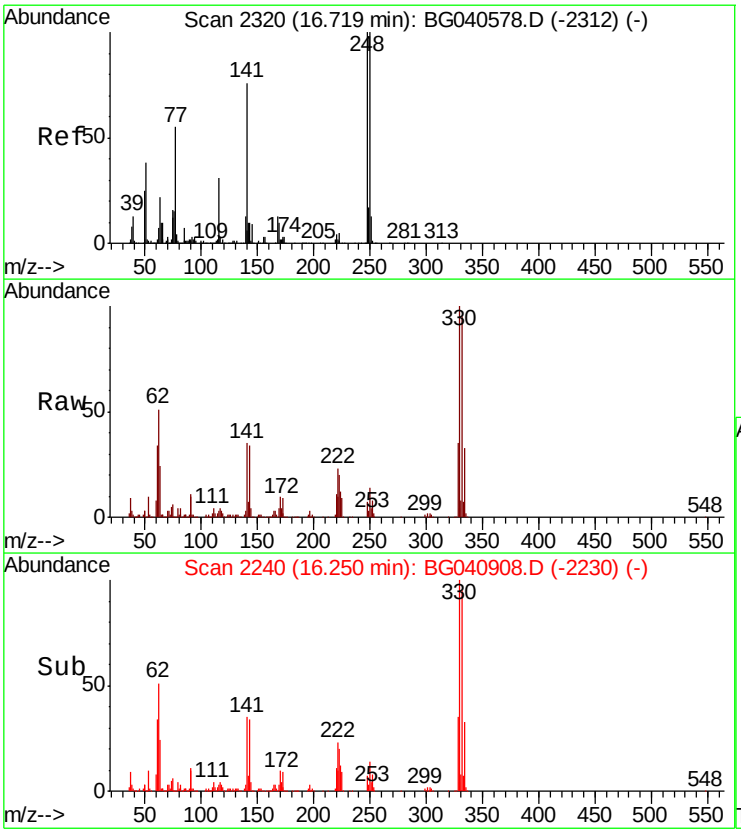

#65
4,6-Dinitro-2-methylphenol
Concen: 7.123 ng
RT: 15.84 min Scan# 2170
Delta R.T. -0.06 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:198 Resp: 54

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 0.0 | 35.9 | 75.9# |
| 105 | 0.0 | 21.2 | 61.2# |

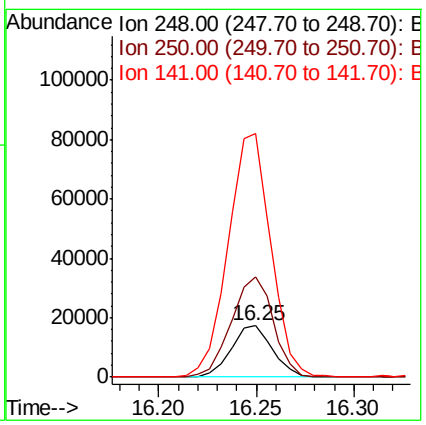


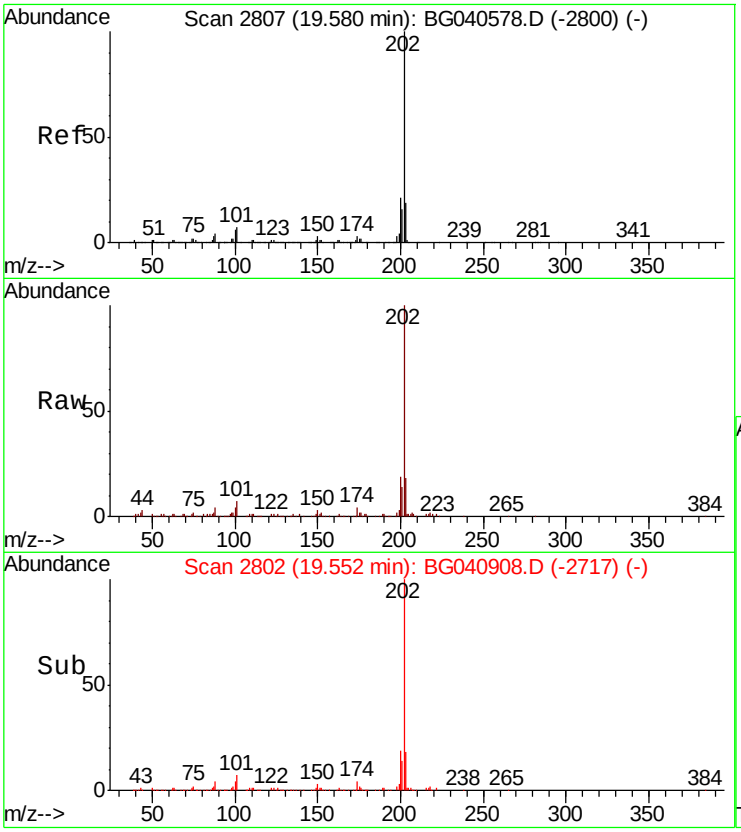




#67
4-Bromophenyl-phenylether
Concen: 4.737 ng
RT: 16.25 min Scan# 2240
Delta R.T. -0.47 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:248 Resp: 25259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 193.8 | 79.8 | 119.6# |
| 141 | 472.9 | 60.8 | 91.2# |



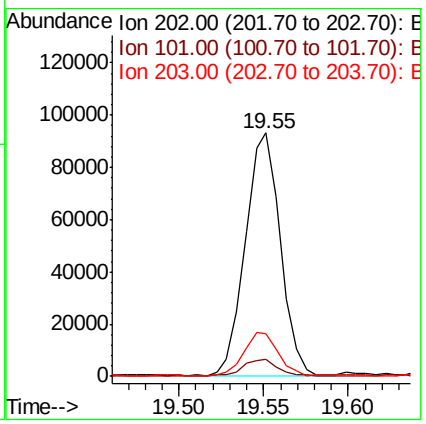


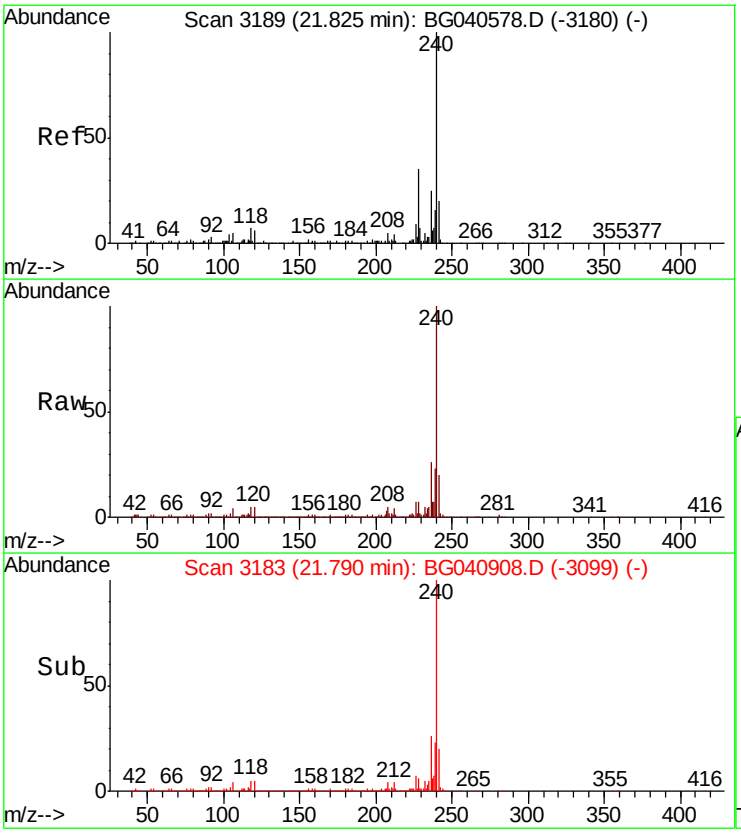

#75
Fluoranthene
Concen: 4.705 ng
RT: 19.55 min Scan# 2802
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:202 Resp: 135164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.8 | 0.0 | 27.5 |
| 203 | 17.6 | 0.0 | 39.3 |

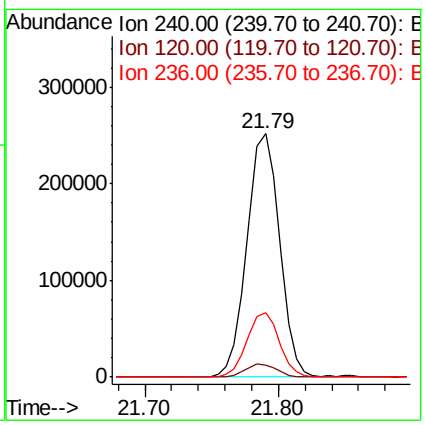


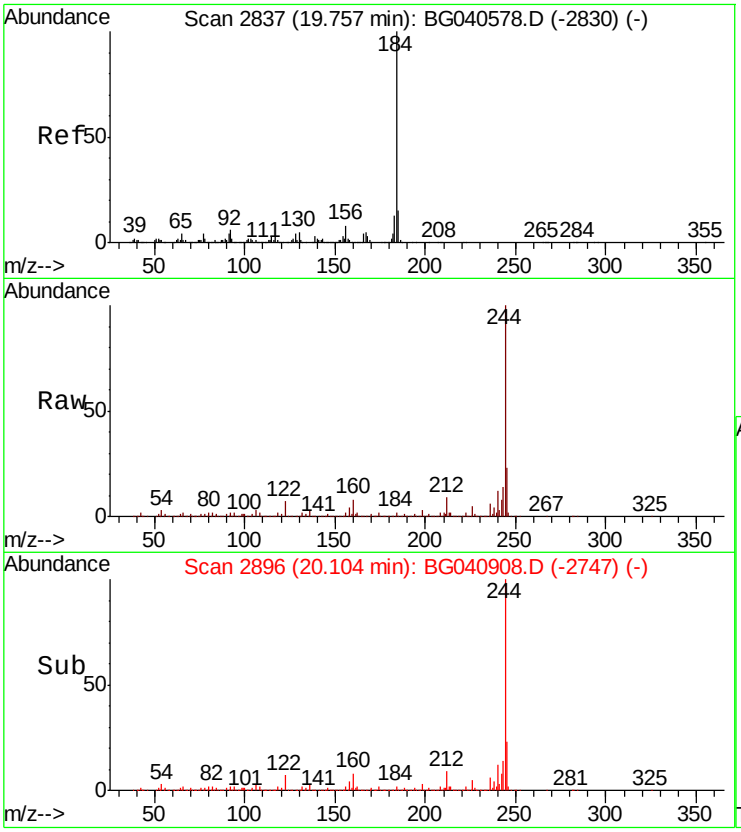




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.79 min Scan# 3183
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:240 Resp: 425678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.0 | 5.0 | 7.6# |
| 236 | 26.4 | 20.3 | 30.5 |



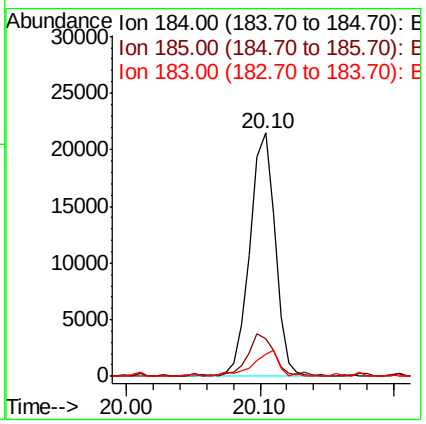


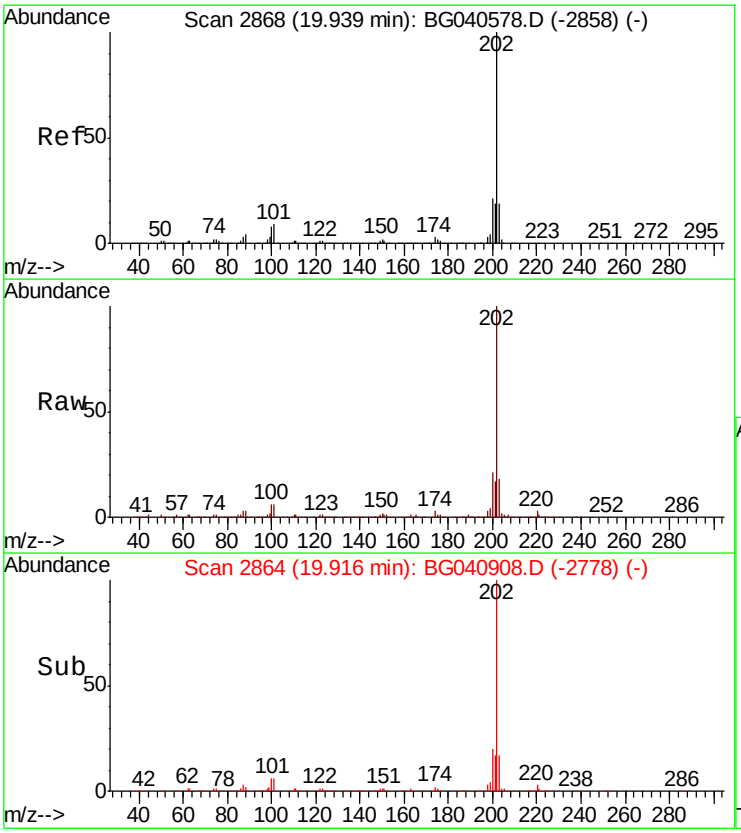

#77
Benzidine
Concen: 2.408 ng
RT: 20.10 min Scan# 2896
Delta R.T. 0.35 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:184 Resp: 28066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 15.6 | 11.8 | 17.8 |
| 183 | 9.1 | 10.2 | 15.2# |

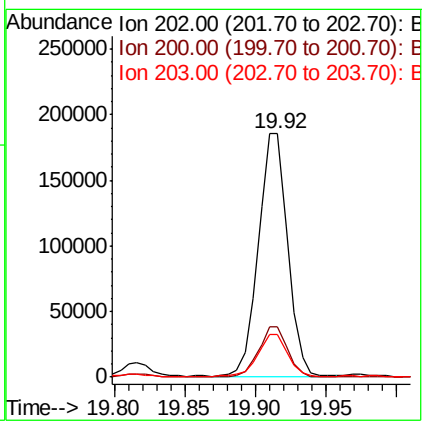


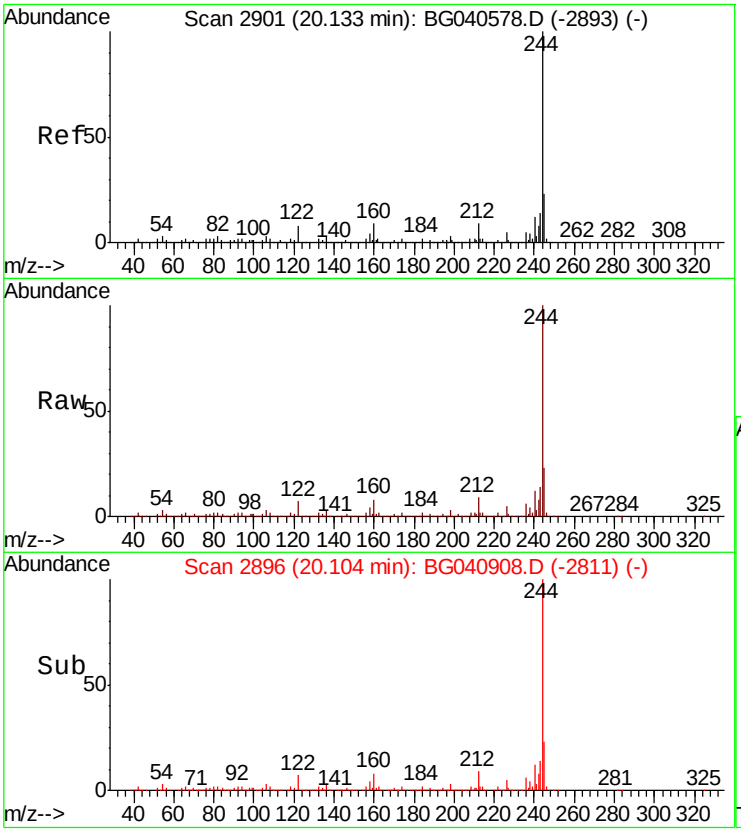




#78
Pyrene
Concen: 10.157 ng
RT: 19.92 min Scan# 2864
Delta R.T. -0.02 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:202 Resp: 270988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 17.2 | 25.8 |
| 203 | 17.7 | 15.0 | 22.4 |



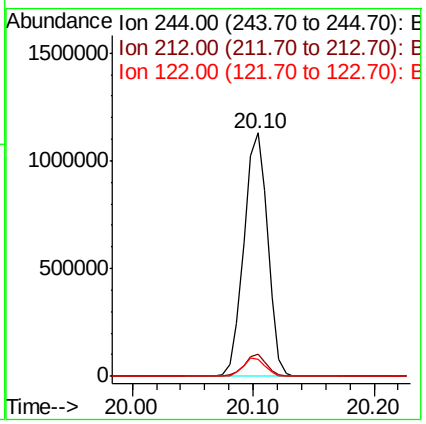


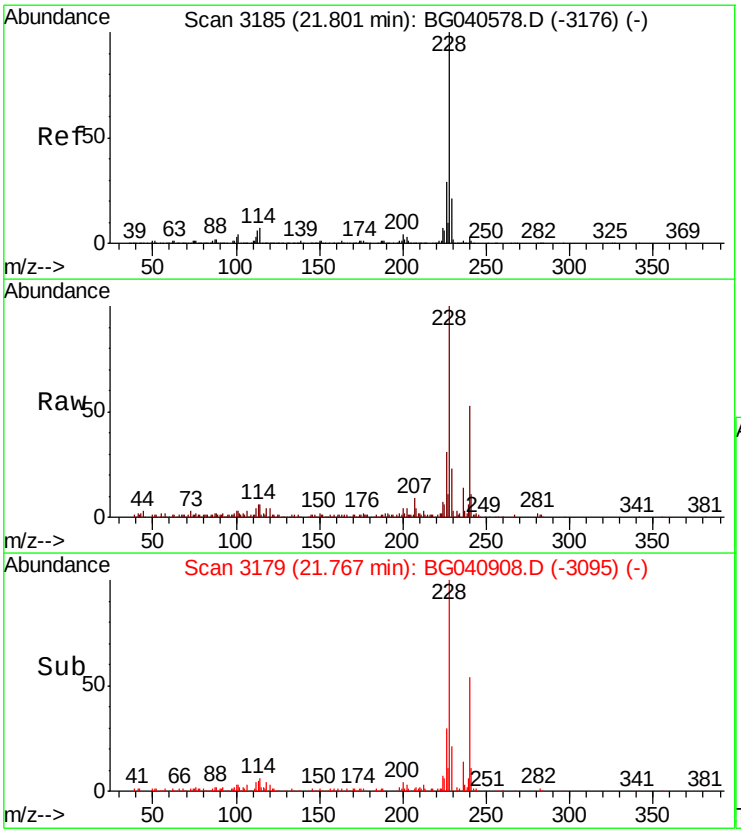

#79
Terphenyl-d14
Concen: 81.079 ng
RT: 20.10 min Scan# 2896
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:244 Resp: 1557869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.2 | 7.2 | 10.8 |
| 122 | 7.2 | 6.6 | 10.0 |

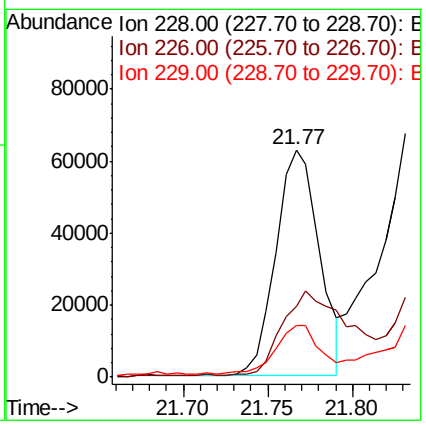


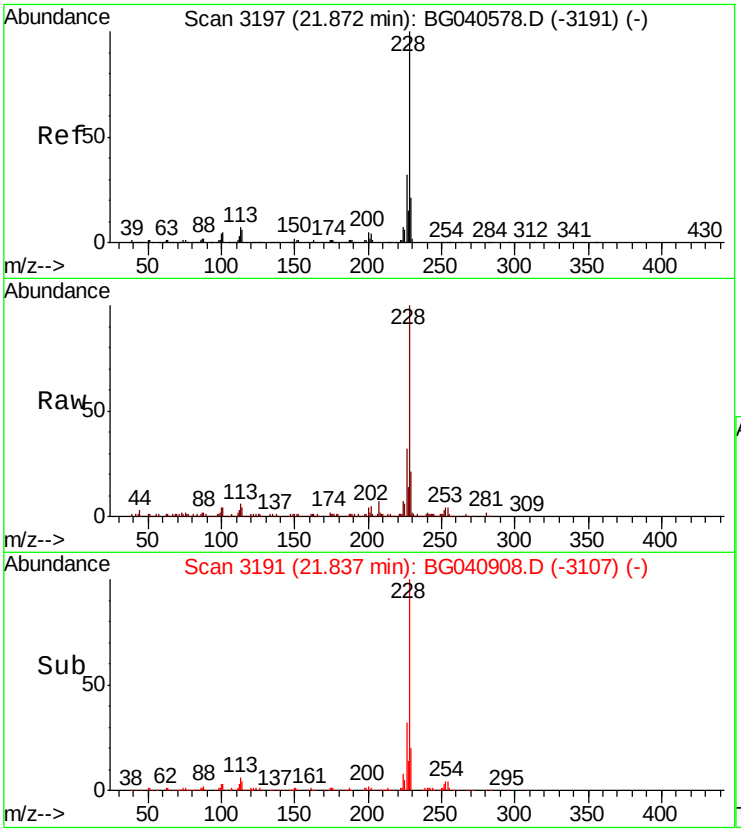




#81
Benzo(a)anthracene
Concen: 4.193 ng
RT: 21.77 min Scan# 3179
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:228 Resp: 112796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.5 | 23.1 | 34.7 |
| 229 | 23.0 | 17.0 | 25.4 |



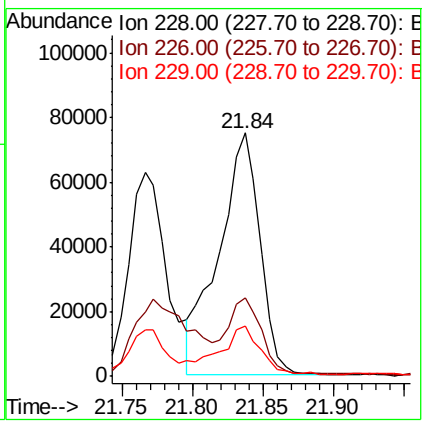


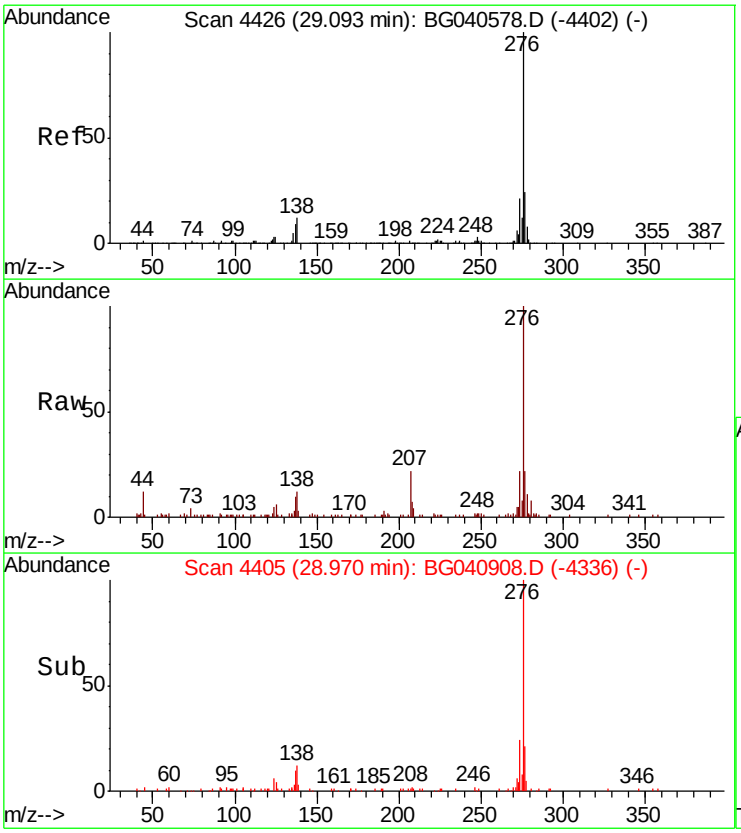

#83
Chrysene
Concen: 5.917 ng
RT: 21.84 min Scan# 3191
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:228 Resp: 151398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 25.5 | 38.3 |
| 229 | 20.7 | 16.8 | 25.2 |

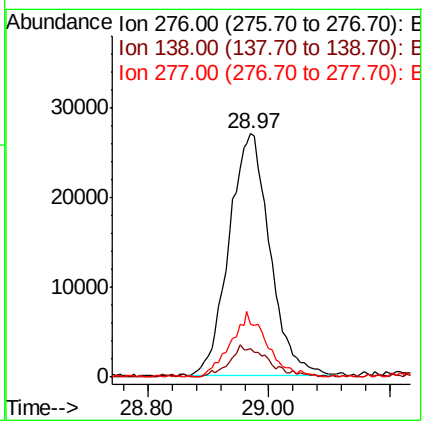


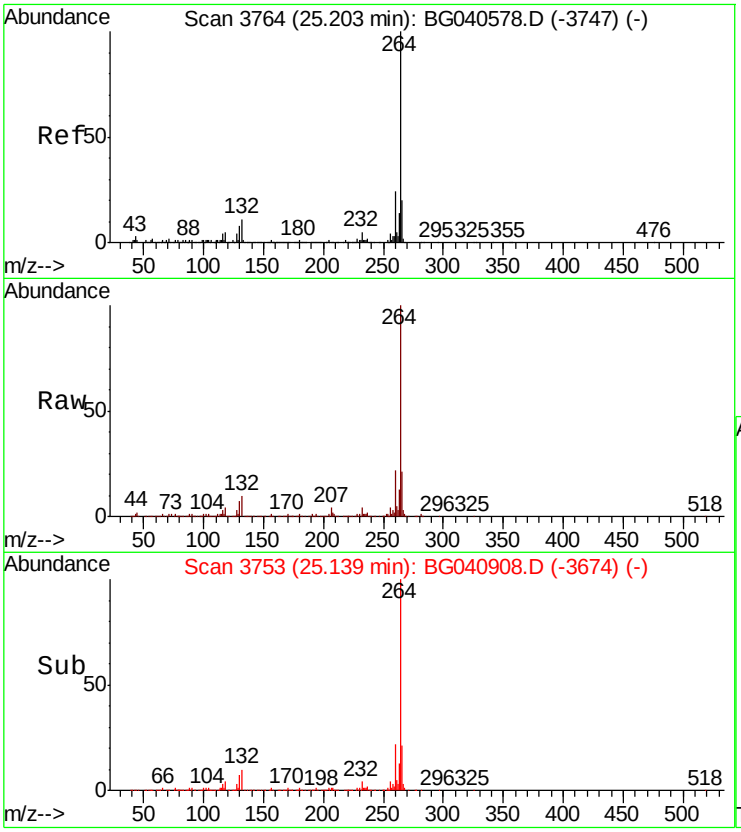




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.056 ng
RT: 28.97 min Scan# 4405
Delta R.T. -0.12 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:276 Resp: 125463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 11.8 | 9.8 | 14.6 |
| 277 | 24.2 | 17.3 | 25.9 |



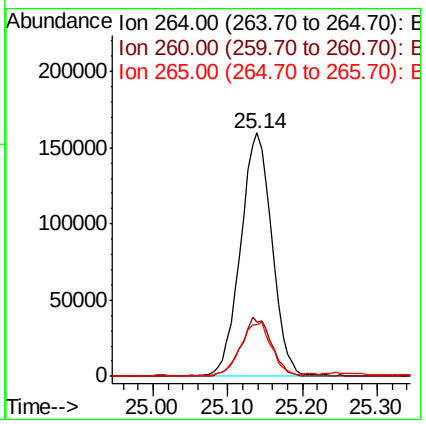


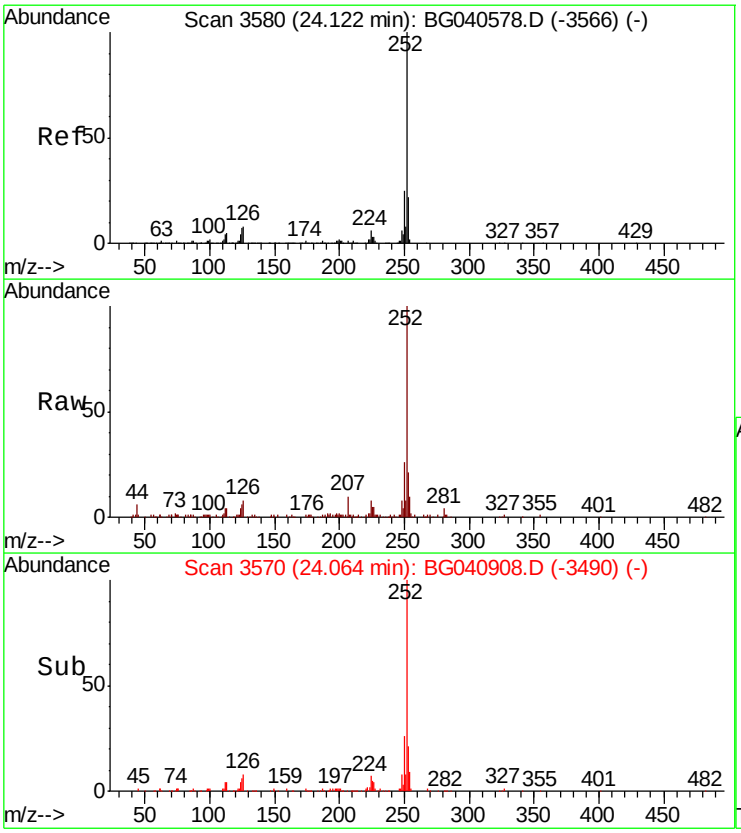

#87
Perylene-d12
Concen: 20.000 ng
RT: 25.14 min Scan# 3753
Delta R.T. -0.06 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:264 Resp: 467390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.2 | 19.2 | 28.8 |
| 265 | 21.2 | 16.6 | 25.0 |

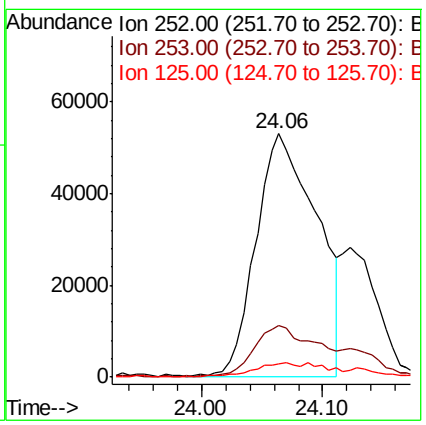


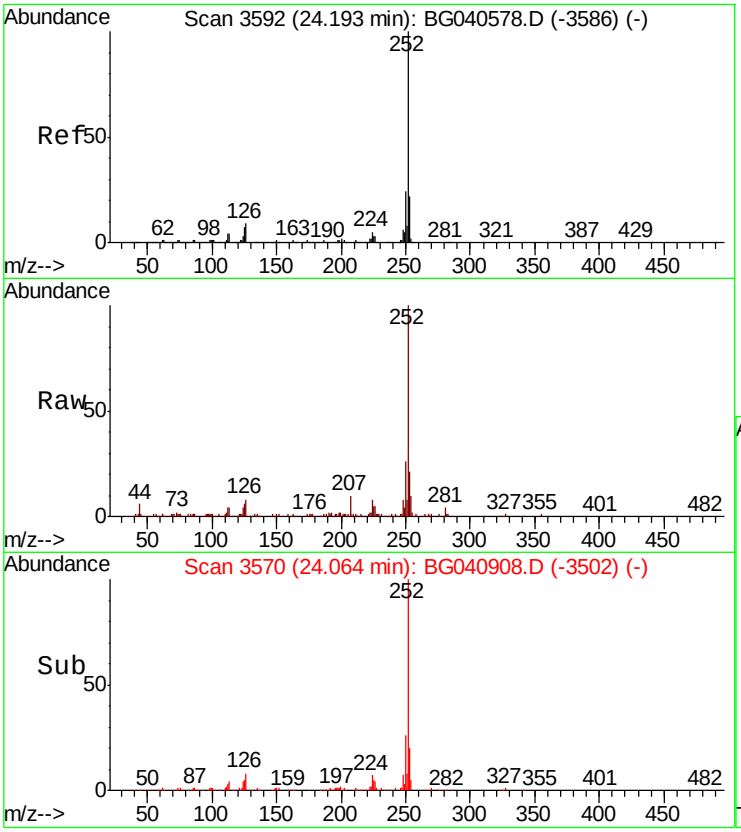




#88
Benzo(b)fluoranthene
Concen: 6.470 ng
RT: 24.06 min Scan# 3570
Delta R.T. -0.06 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:252 Resp: 184782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.6 | 26.4 |
| 125 | 5.6 | 5.4 | 8.0 |



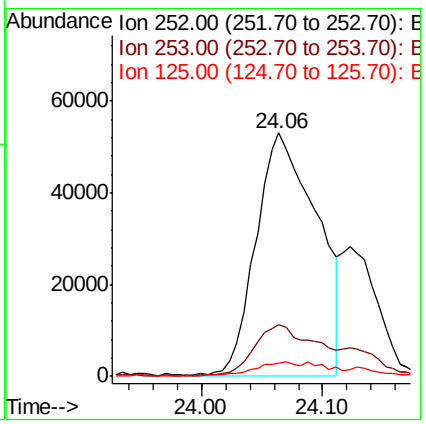


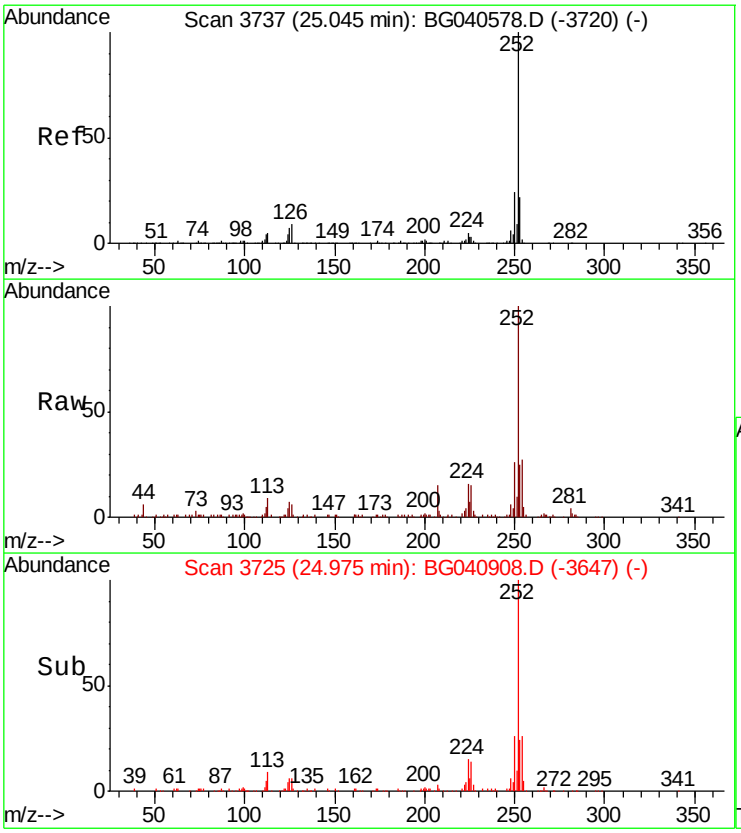

#89
Benzo(k)fluoranthene
Concen: 6.928 ng
RT: 24.06 min Scan# 3570
Delta R.T. -0.13 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:252 Resp: 184782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.2 | 17.6 | 26.4 |
| 125 | 5.6 | 5.5 | 8.3 |

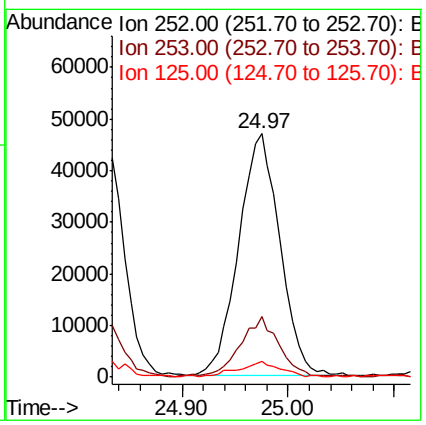


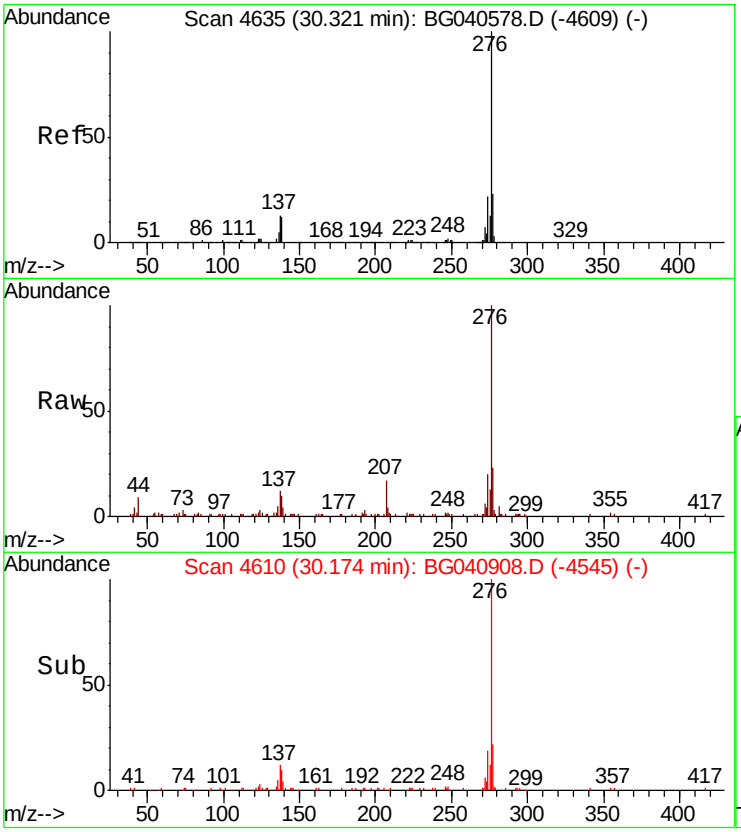




#90
Benzo(a)pyrene
Concen: 4.673 ng
RT: 24.97 min Scan# 3725
Delta R.T. -0.07 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion:252 Resp: 126351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 17.8 | 26.6 |
| 125 | 6.6 | 5.7 | 8.5 |






#92
Benzo(g,h,i)perylene
Concen: 5.722 ng
RT: 30.17 min Scan# 4610
Delta R.T. -0.15 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

**Instrument :**
BNA_G
**ClientSampleId :**
P026-SS006-0612-01

Tgt Ion:276 Resp: 155816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.6 | 18.4 | 27.6 |
| 138 | 13.8 | 9.8 | 14.6 |