Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046392.D
Acq On : 20 Aug 2020 23:58
Operator : CG/JU
Sample : L3634-19
Misc :
ALS Vial : 56 Sample Multiplier: 1

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

Quant Time: Aug 21 00:39:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 21 00:37:00 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.94 | 152 | 85804 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.74 | 136 | 361277 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.57 | 164 | 241807 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.31 | 188 | 538170 | 20.00 | ng/ul | 0.00 |
| 18) Chrysene-d12 | 21.56 | 240 | 522754 | 20.00 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.67 | 264 | 557236 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2,4-Dichlorophenol-d3 | 10.36 | 165 | 175053 | 28.14 | ng/ul | 0.00 |
| 7) Acenaphthylene-d8 | 14.26 | 160 | 663265 | 29.81 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.56 | 176 | 499172 | 29.27 | ng/ul | 0.00 |
| 15) Anthracene-d10 | 17.41 | 188 | 708343 | 28.39 | ng/ul | 0.00 |
| 19) Pyrene-d10 | 19.70 | 212 | 799993 | 29.73 | ng/ul | 0.00 |
| 26) Benzo(a)pyrene-d12 | 24.46 | 264 | 890090 | 29.27 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Naphthalene | 10.79 | 128 | 30904 | 1.645 | ng/ul | 96 |
| 5) 2-Methylnaphthalene | 12.40 | 142 | 16425 | 1.147 | ng/ul | 98 |
| 8) Acenaphthylene | 14.29 | 152 | 43043 | 1.902 | ng/ul | 98 |
| 9) Acenaphthene | 14.63 | 153 | 26307 | 1.628 | ng/ul | 99 |
| 11) Fluorene | 15.61 | 166 | 27947 | 1.479 | ng/ul | 98 |
| 14) Phenanthrene | 17.35 | 178 | 638438 | 21.564 | ng/ul | 100 |
| 16) Anthracene | 17.44 | 178 | 106347 | 3.560 | ng/ul | 99 |
| 17) Fluoranthene | 19.36 | 202 | 1116083 | 33.807 | ng/ul | 100 |
| 20) Pyrene | 19.73 | 202 | 1066177 | 31.071 | ng/ul | 99 |
| 21) Benzo(a)anthracene | 21.54 | 228 | 559526 | 16.451 | ng/ul | 97 |
| 22) Chrysene | 21.60 | 228 | 631722 | 19.213 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 23.69 | 252 | 853570 | 23.164 | ng/ul | 98 |
| 25) Benzo(k)fluoranthene | 23.69 | 252 | 853570 | 23.351 | ng/ul | 99 |
| 27) Benzo(a)pyrene | 24.53 | 252 | 575924 | 17.024 | ng/ul | 97 |
| 28) Indeno(1,2,3-cd)pyrene | 28.19 | 276 | 392551 | 9.267 | ng/ul | 99 |
| 29) Dibenzo(a,h)anthracene | 28.23 | 278 | 103520 | 3.014 | ng/ul | 98 |
| 30) Benzo(g,h,i)perylene | 29.29 | 276 | 170858 | 4.820 | ng/ul | 96 |

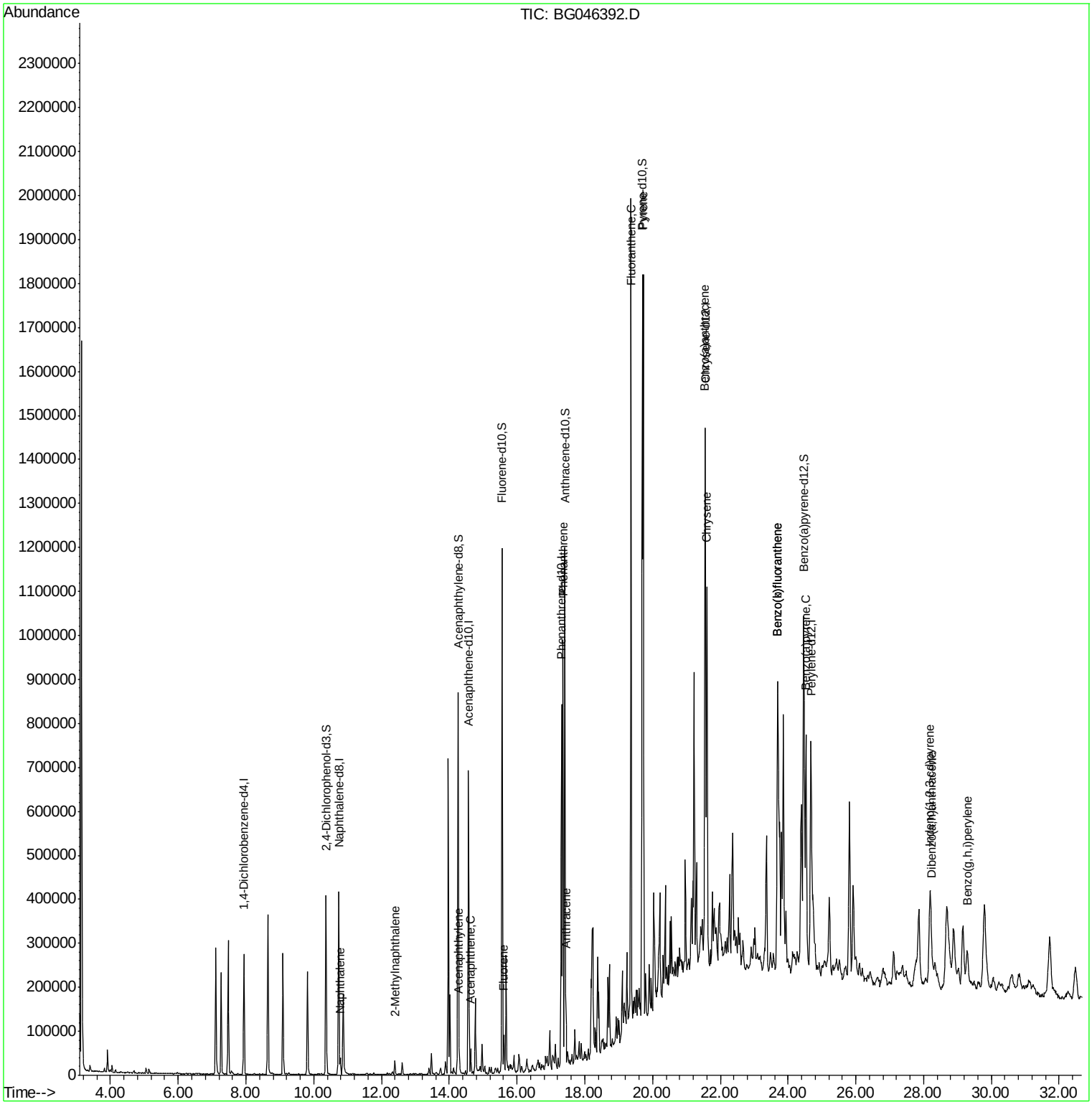
(#) = qualifier out of range (m) = manual integration (+) = signals summed

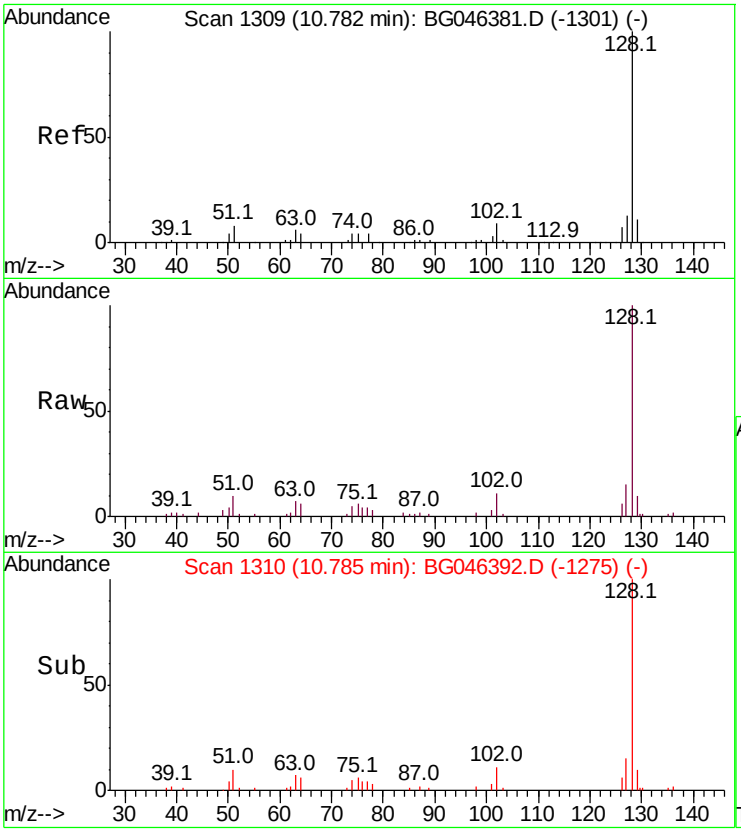
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046392.D
Acq On : 20 Aug 2020 23:58
Operator : CG/JU
Sample : L3634-19
Misc :
ALS Vial : 56 Sample Multiplier: 1

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

Quant Time: Aug 21 00:39:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 21 00:37:00 2020
Response via : Initial Calibration



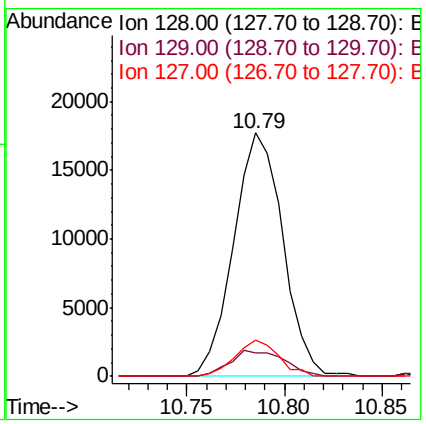


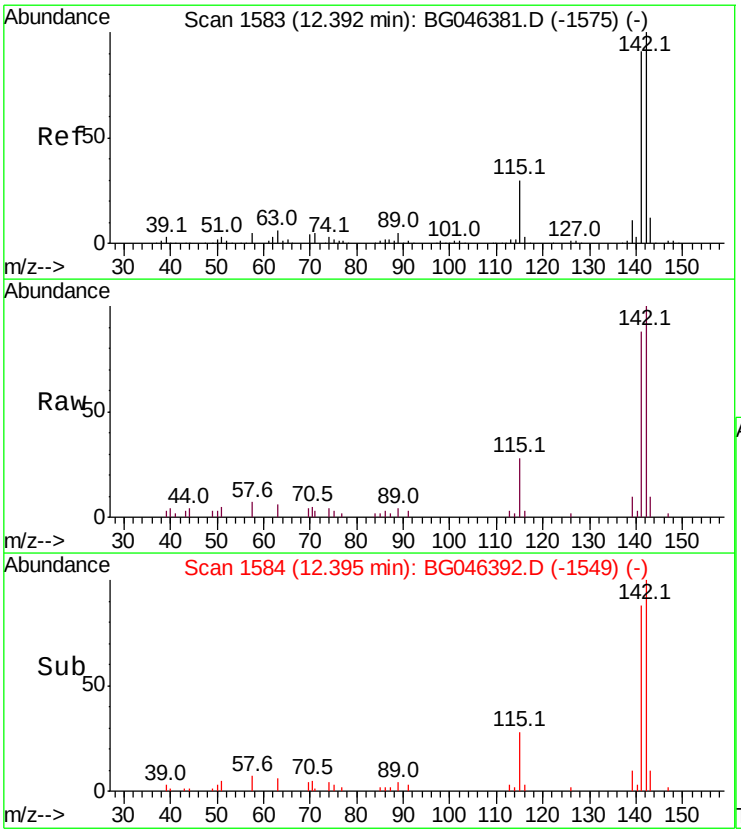

#4
Naphthalene
Concen: 1.645 ng/ul
RT: 10.79 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:128 Resp: 30904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 9.6 | 9.0 | 13.6 |
| 127 | 15.1 | 10.9 | 16.3 |

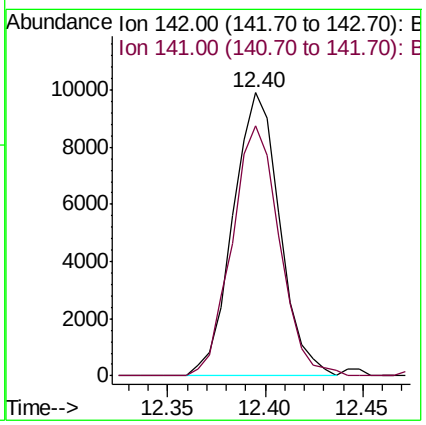


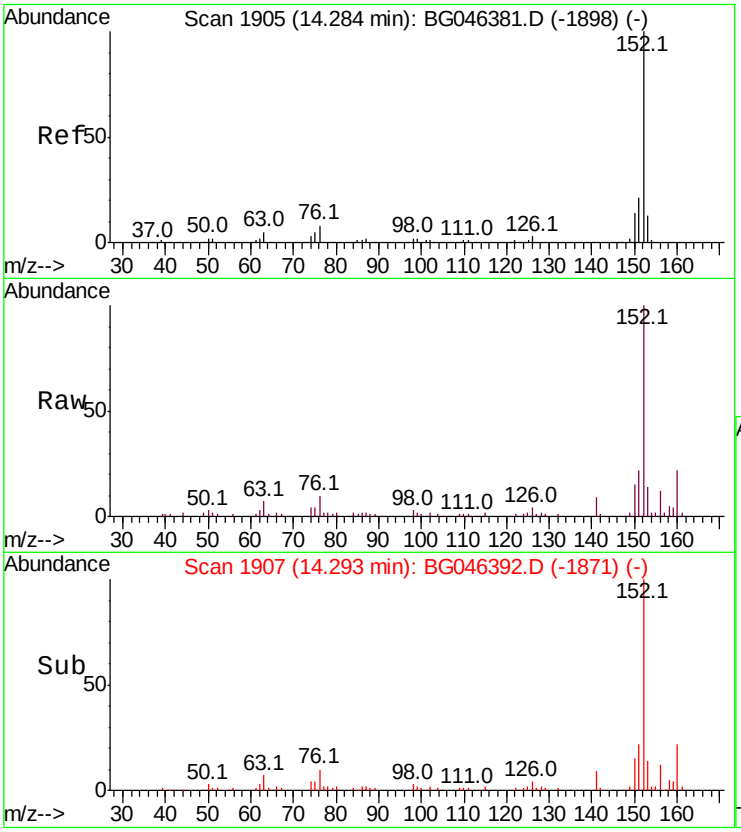




#5
2-Methylnaphthalene
Concen: 1.147 ng/ul
RT: 12.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:142 Resp: 16425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 72.5 | 108.7 |



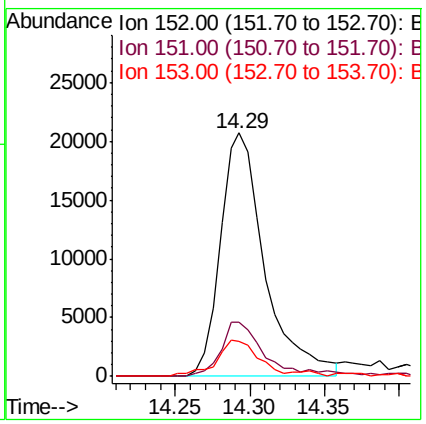


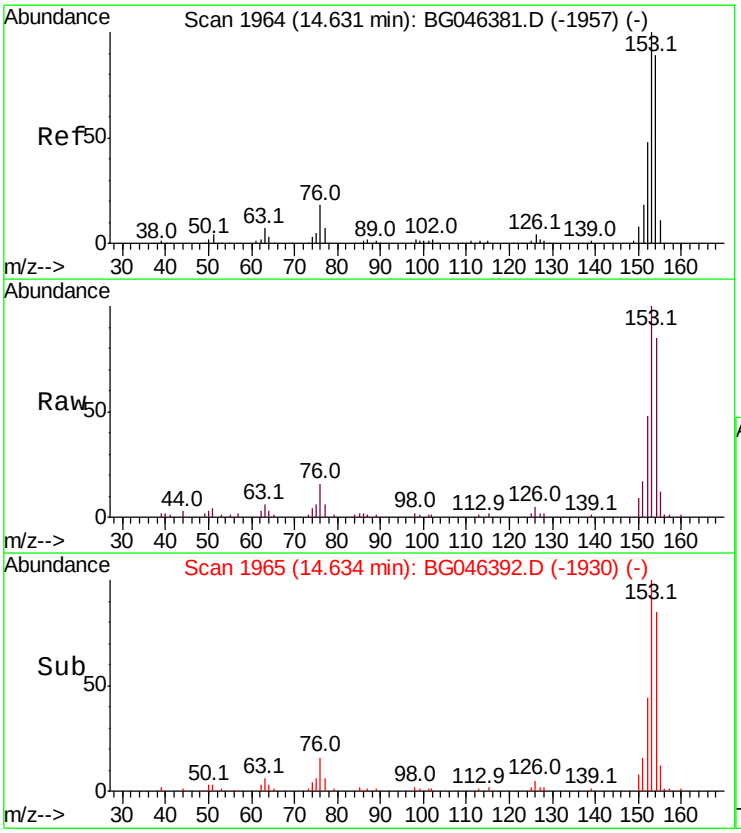

#8
Acenaphthylene
Concen: 1.902 ng/ul
RT: 14.29 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:152 Resp: 43043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 22.1 | 16.5 | 24.7 |
| 153 | 14.2 | 11.0 | 16.6 |

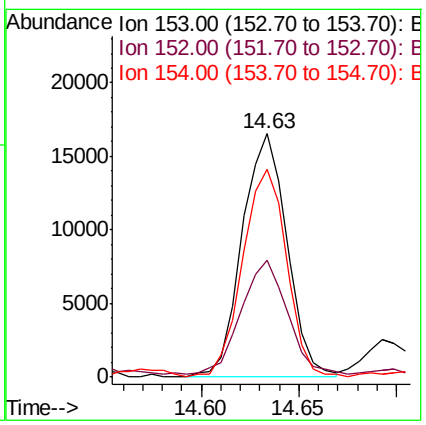


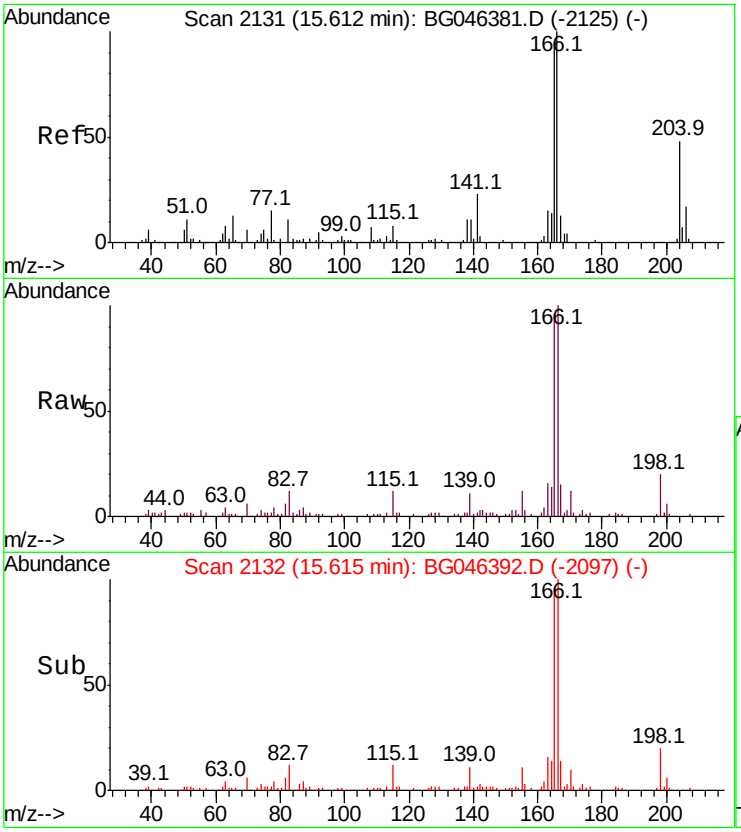




#9
Acenaphthene
Concen: 1.628 ng/ul
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:153 Resp: 26307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.2 | 37.2 | 55.8 |
| 154 | 85.2 | 67.8 | 101.6 |



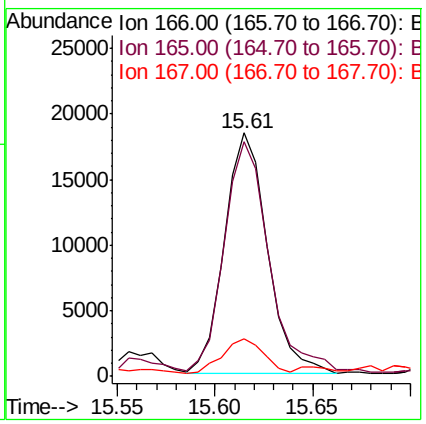


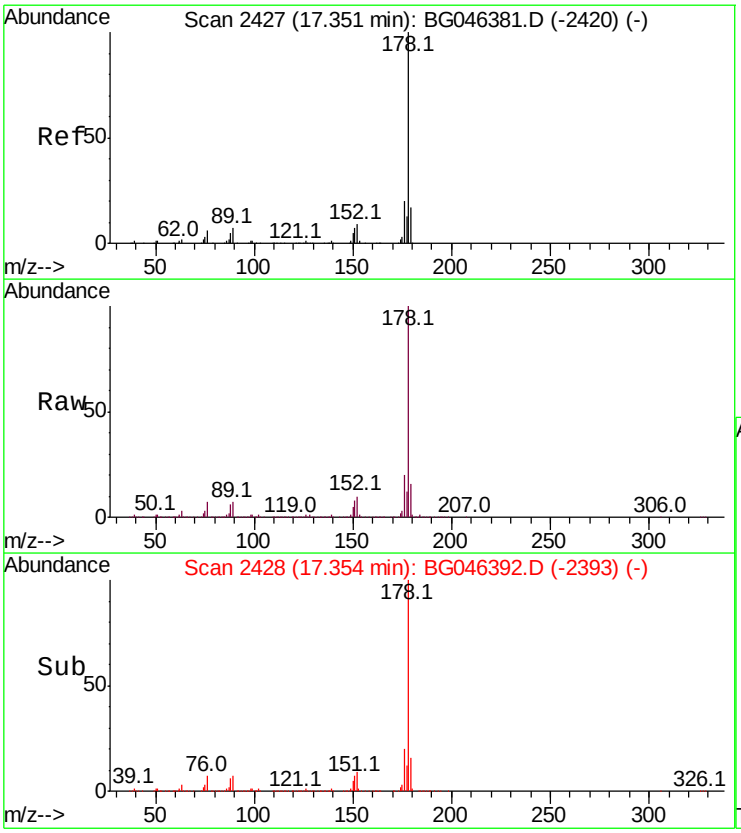

#11
Fluorene
Concen: 1.479 ng/ul
RT: 15.61 min Scan# 2132
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:166 Resp: 27947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.3 | 75.9 | 113.9 |
| 167 | 15.4 | 10.7 | 16.1 |

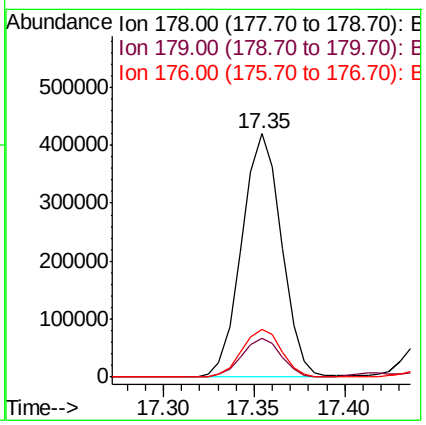


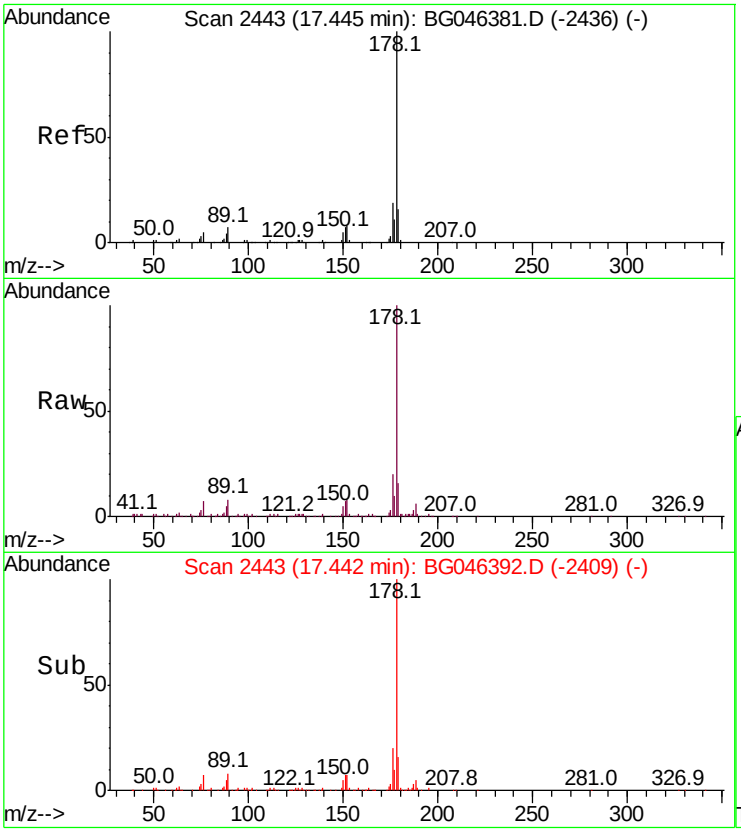




#14
Phenanthrene
Concen: 21.564 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:178 Resp: 638438

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 12.8 | 19.2 |
| 176 | 19.7 | 15.8 | 23.8 |



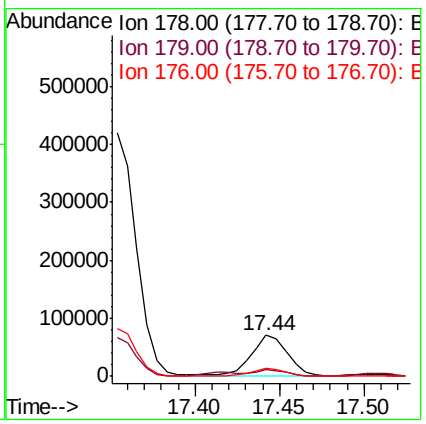


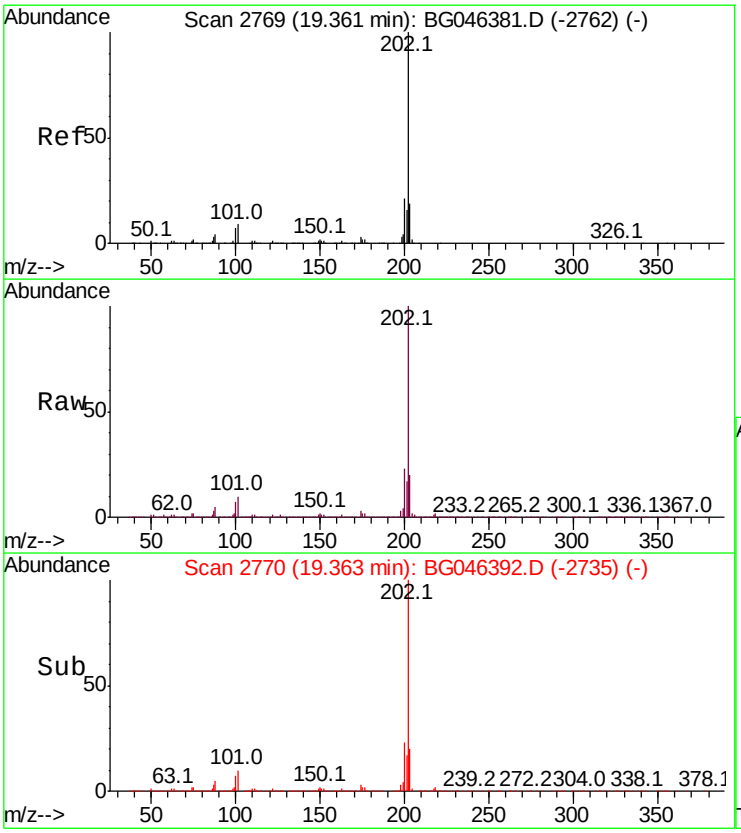

#16
Anthracene
Concen: 3.560 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:178 Resp: 106347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 13.2 | 19.8 |
| 176 | 19.8 | 15.2 | 22.8 |

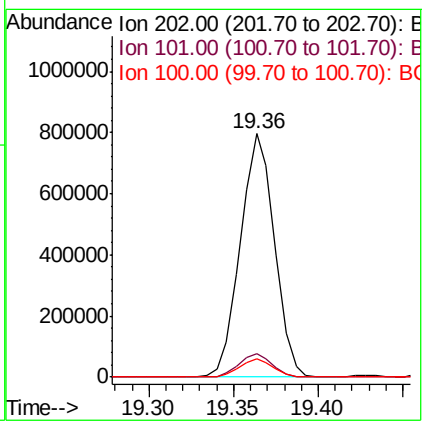


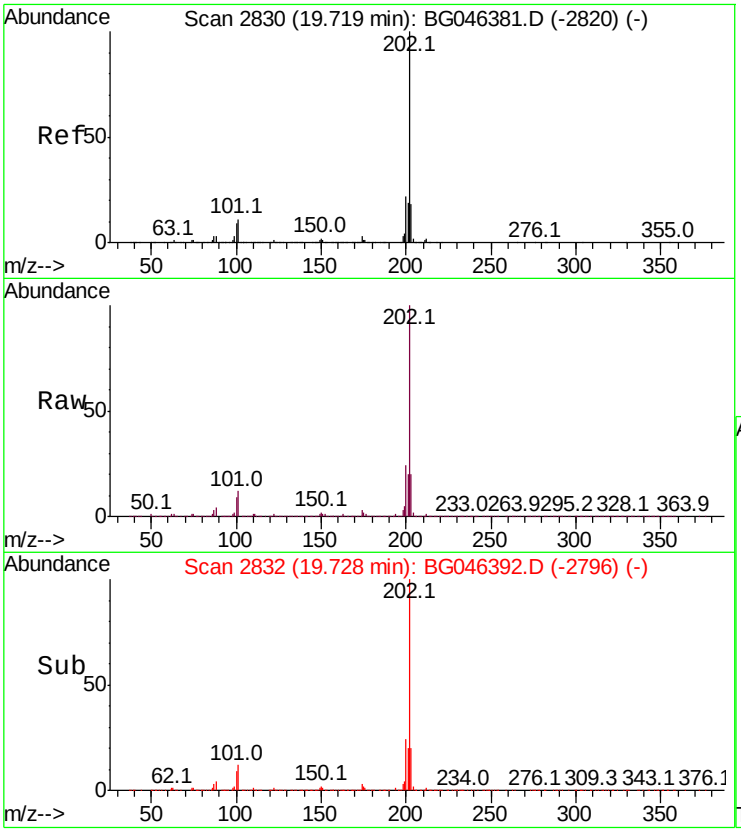




#17
Fluoranthene
Concen: 33.807 ng/ul
RT: 19.36 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:202 Resp: 1116083

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 7.8 | 11.6 |
| 100 | 7.5 | 5.9 | 8.9 |



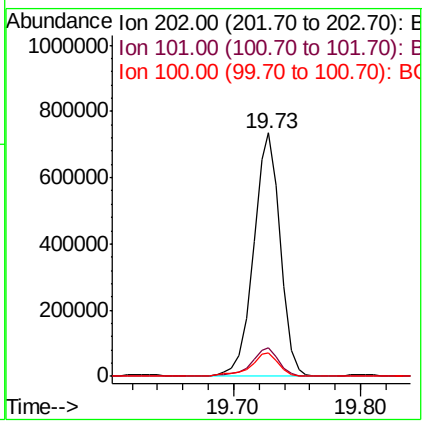


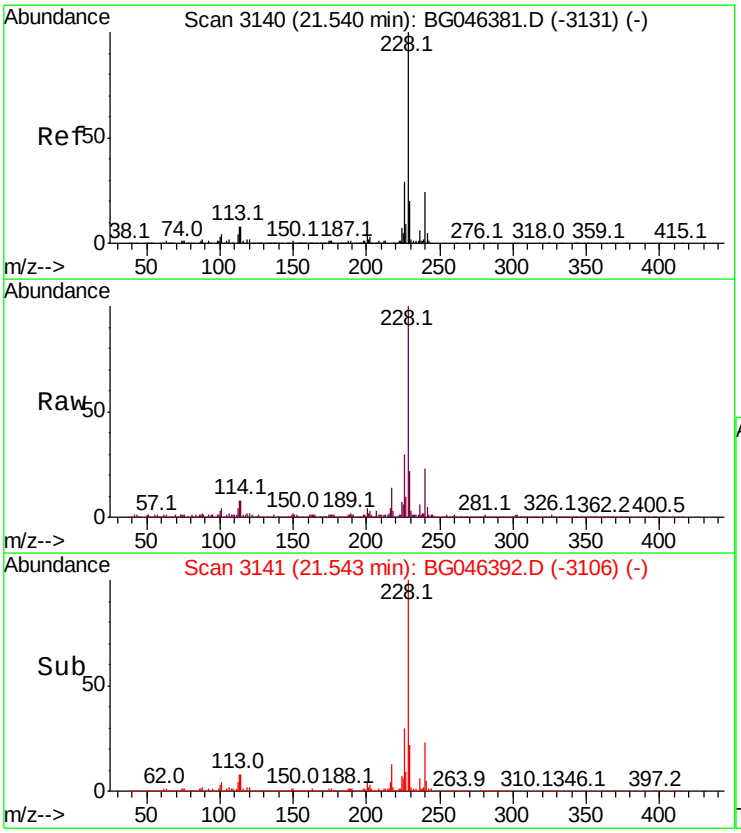

#20
Pyrene
Concen: 31.071 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:202 Resp: 1066177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 8.9 | 13.3 |
| 100 | 9.4 | 7.9 | 11.9 |

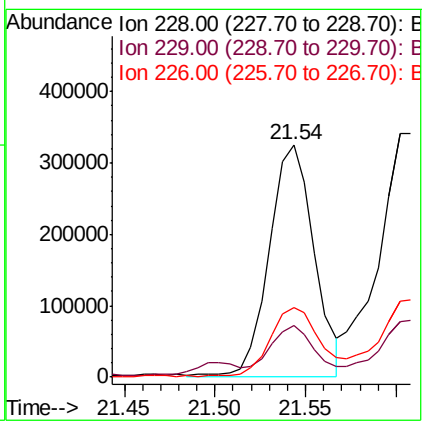


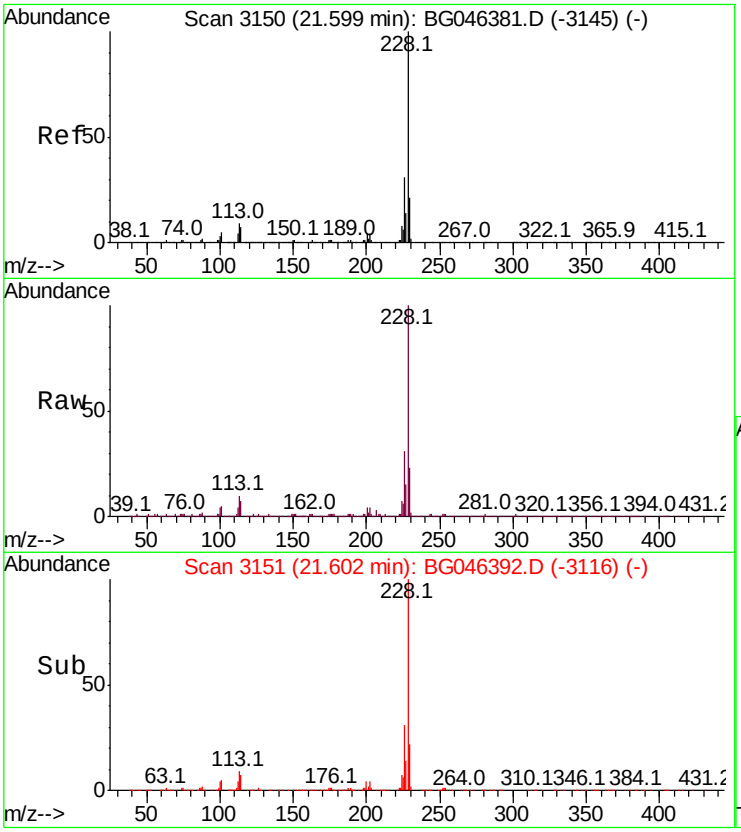




#21
Benzo(a)anthracene
Concen: 16.451 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:228 Resp: 559526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.3 | 16.6 | 25.0 |
| 226 | 30.1 | 22.6 | 33.8 |



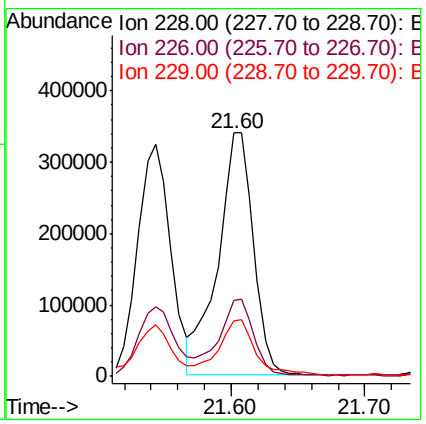


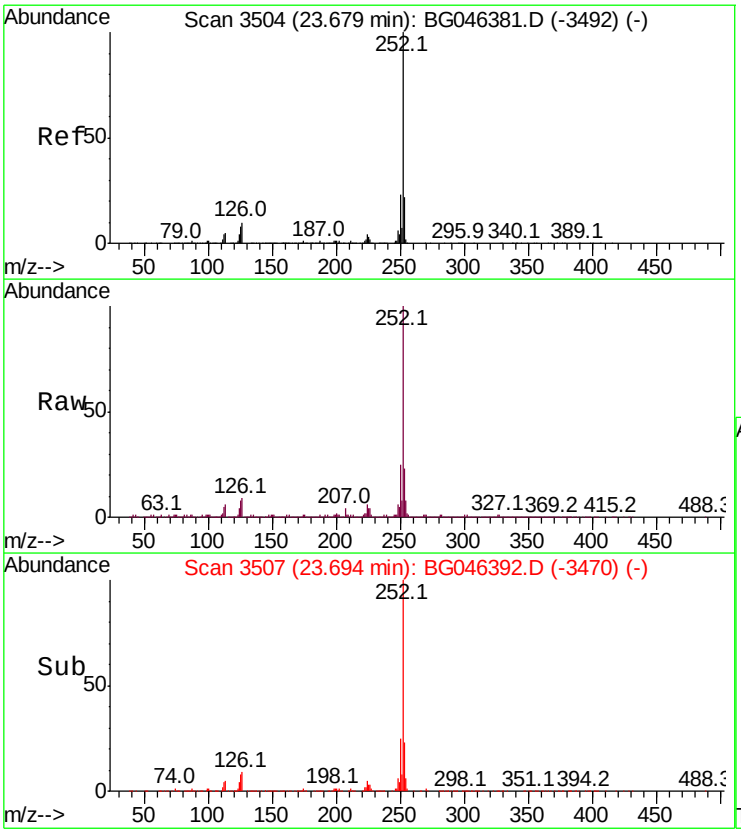

#22
Chrysene
Concen: 19.213 ng/ul
RT: 21.60 min Scan# 3151
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:228 Resp: 631722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 25.5 | 38.3 |
| 229 | 22.8 | 17.0 | 25.4 |

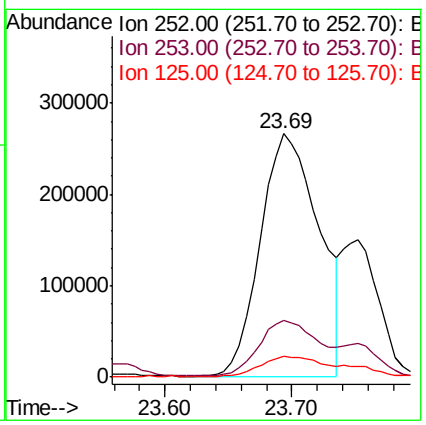


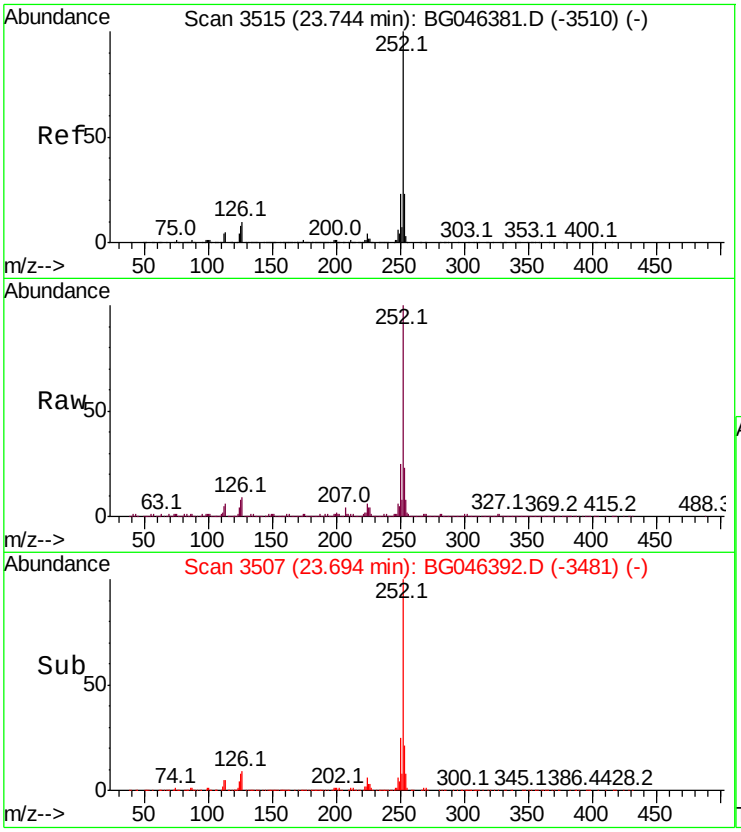




#24
Benzo(b)fluoranthene
Concen: 23.164 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:252 Resp: 853570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.8 | 26.6 |
| 125 | 8.5 | 6.4 | 9.6 |



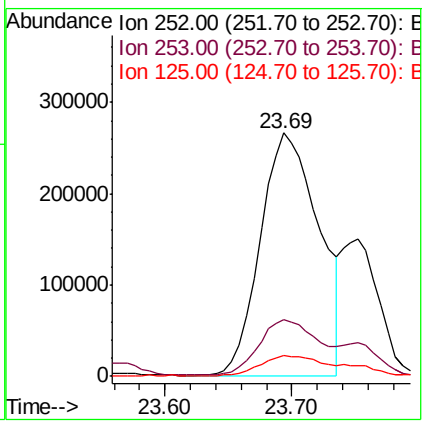


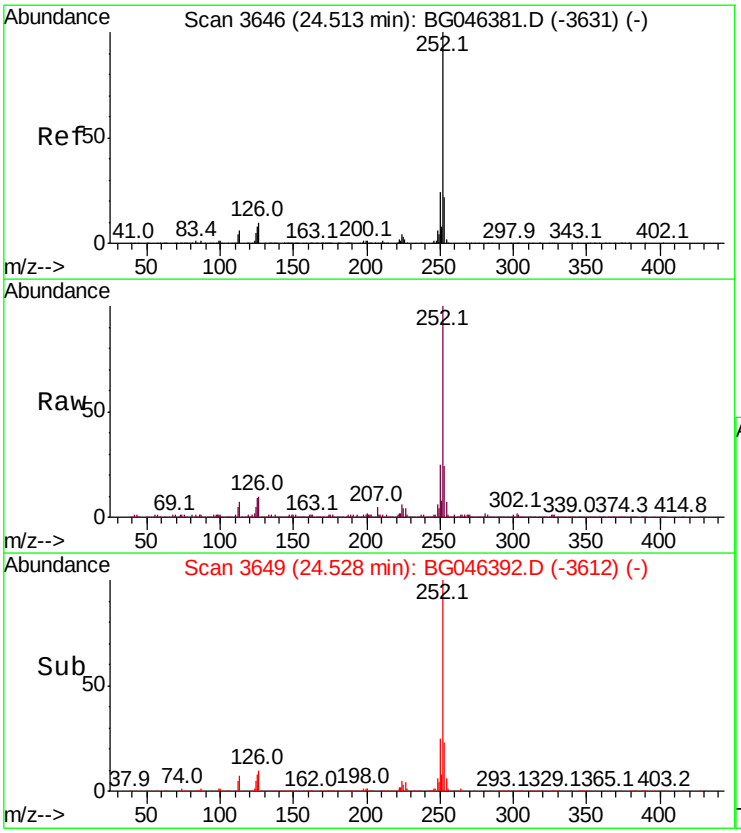

#25
Benzo(k)fluoranthene
Concen: 23.351 ng/ul
RT: 23.69 min Scan# 3507
Delta R.T. -0.05 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:252 Resp: 853570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.5 | 27.7 |
| 125 | 8.5 | 6.2 | 9.2 |

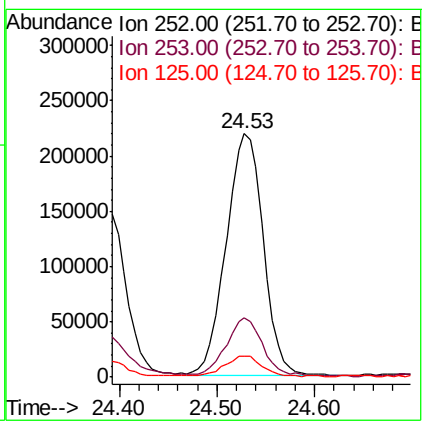


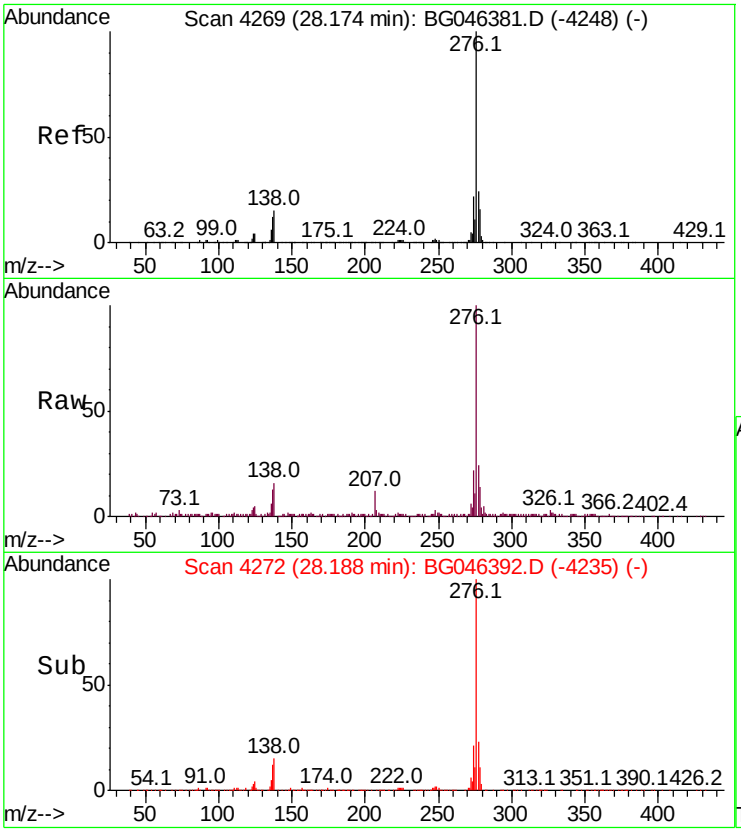




#27
Benzo(a)pyrene
Concen: 17.024 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:252 Resp: 575924

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 17.8 | 26.8 |
| 125 | 8.8 | 7.1 | 10.7 |



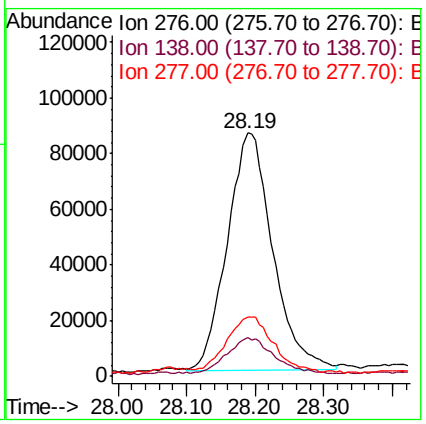


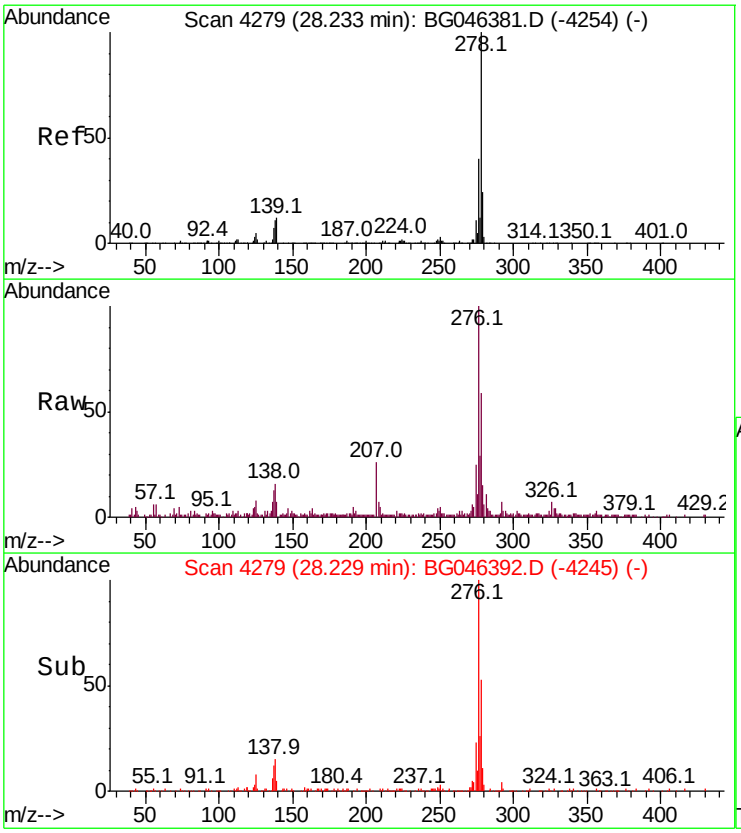

#28
Indeno(1,2,3-cd)pyrene
Concen: 9.267 ng/ul
RT: 28.19 min Scan# 4272
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:276 Resp: 392551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.1 | 13.2 | 19.8 |
| 277 | 24.5 | 19.9 | 29.9 |

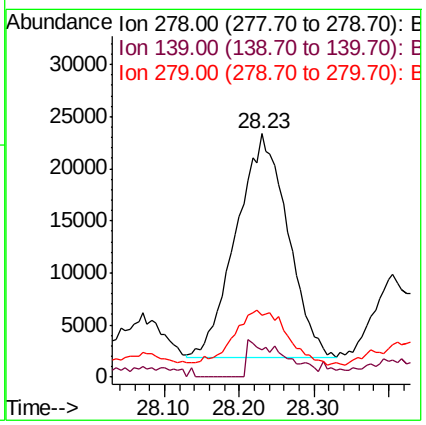


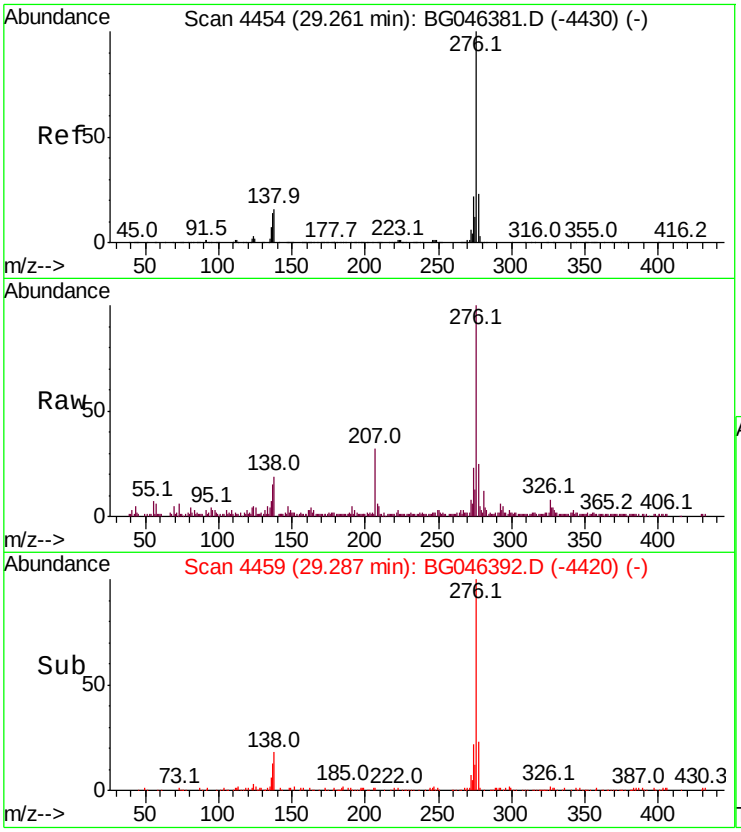




#29
Dibenzo(a,h)anthracene
Concen: 3.014 ng/ul
RT: 28.23 min Scan# 4279
Delta R.T. -0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion:278 Resp: 103520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 11.4 | 9.8 | 14.8 |
| 279 | 25.3 | 19.7 | 29.5 |






#30
Benzo(g,h,i)perylene
Concen: 4.820 ng/ul
RT: 29.29 min Scan# 4459
Delta R.T. 0.03 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

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

Tgt Ion:276 Resp: 170858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.8 | 12.9 | 19.3 |
| 277 | 25.4 | 19.4 | 29.0 |