Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059292.D
Acq On : 5 Oct 2023 11:56
Operator : MA/JU
Sample : 04527-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Quant Time: Oct 05 22:37:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.229 | 152 | 35176 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.073 | 136 | 159878 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.863 | 164 | 95515 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.612 | 188 | 196667 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.925 | 240 | 169739 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 25.415 | 264 | 206539 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.529 | 96 | 3581 | 3.842 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.975 | 84 | 3122 | 1.148 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.360 | 99 | 45108 | 12.811 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.554 | 67 | 31290 | 13.911 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.748 | 132 | 37474 | 15.833 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.929 | 113 | 19539 | 7.179 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.428 | 128 | 19081 | 16.913 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.145 | 143 | 20364 | 18.387 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.679 | 165 | 35527 | 15.615 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.220 | 131 | 17495 | 4.753 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.258 | 166 | 123269 | 17.850 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.569 | 160 | 158886 | 18.330 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.057 | 143 | 5410 | 4.486 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.850 | 176 | 119097 | 18.120 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.967 | 200 | 3227 | 3.192 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.712 | 188 | 166577 | 18.589 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.992 | 212 | 190187 | 20.008 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.168 | 264 | 183216 | 18.460 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 8) Phenol | 7.395 | 94 | 6361 | 1.816 | ng/ul# | 83 |
| 10) Bis(2-Chloroethyl)ether | 7.624 | 93 | 30033 | 10.455 | ng/ul# | 15 |
| 16) Acetophenone | 9.070 | 105 | 33072 | 7.846 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.993 | 108 | 6125 | 2.184 | ng/ul | 80 |
| 19) Hexachloroethane | 9.328 | 117 | 3474 | 3.534 | ng/ul# | 7 |
| 30) Naphthalene | 11.126 | 128 | 101618 | 11.854 | ng/ul | 94 |
| 34) Caprolactam | 11.984 | 113 | 1003 | 1.282 | ng/ul# | 1 |
| 36) 2-Methylnaphthalene | 12.706 | 142 | 55518 | 9.886 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.924 | 142 | 36401 | 6.387 | ng/ul# | 94 |
| 43) 1,1'-Biphenyl | 13.699 | 154 | 13025 | 1.689 | ng/ul | 91 |
| 50) Acenaphthylene | 14.598 | 152 | 13101 | 1.416 | ng/ul# | 82 |
| 52) Acenaphthene | 14.927 | 153 | 20072 | 3.161 | ng/ul | 98 |
| 55) 4-Nitrophenol | 15.051 | 109 | 853 | 1.003 | ng/ul# | 16 |
| 56) Dibenzofuran | 15.262 | 168 | 22992 | 2.731 | ng/ul | 98 |
| 61) Fluorene | 15.909 | 166 | 39454 | 5.582 | ng/ul | 91 |
| 72) Phenanthrene | 17.659 | 178 | 265603 | 24.609 | ng/ul | 99 |
| 74) Anthracene | 17.659 | 178 | 266114 | 23.879 | ng/ul | 98 |
| 77) Carbazole | 18.024 | 167 | 19845 | 2.185 | ng/ul# | 84 |
| 80) Fluoranthene | 19.657 | 202 | 327071 | 27.931 | ng/ul | 98 |
| 82) Pyrene | 20.021 | 202 | 365034 | 29.430 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.902 | 228 | 231125 | 19.343 | ng/ul# | 92 |
| 87) Chrysene | 21.972 | 228 | 304614 | 26.992 | ng/ul# | 94 |
| 90) Benzo(b)fluoranthene | 24.293 | 252 | 566420 | 44.776 | ng/ul# | 96 |
| 91) Benzo(k)fluoranthene | 24.293 | 252 | 566420 | 44.191 | ng/ul# | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059292.D
Acq On : 5 Oct 2023 11:56
Operator : MA/JU
Sample : 04527-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Quant Time: Oct 05 22:37:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) Benzo(a)pyrene | 25.251 | 252 | 352143 | 29.344 | ng/ul# | 94 |
| 94) Indeno(1,2,3-cd)pyrene | 29.446 | 276 | 278748 | 20.520 | ng/ul# | 85 |
| 96) Benzo(g,h,i)perylene | 30.732 | 276 | 291301 | 26.373 | ng/ul | 92 |

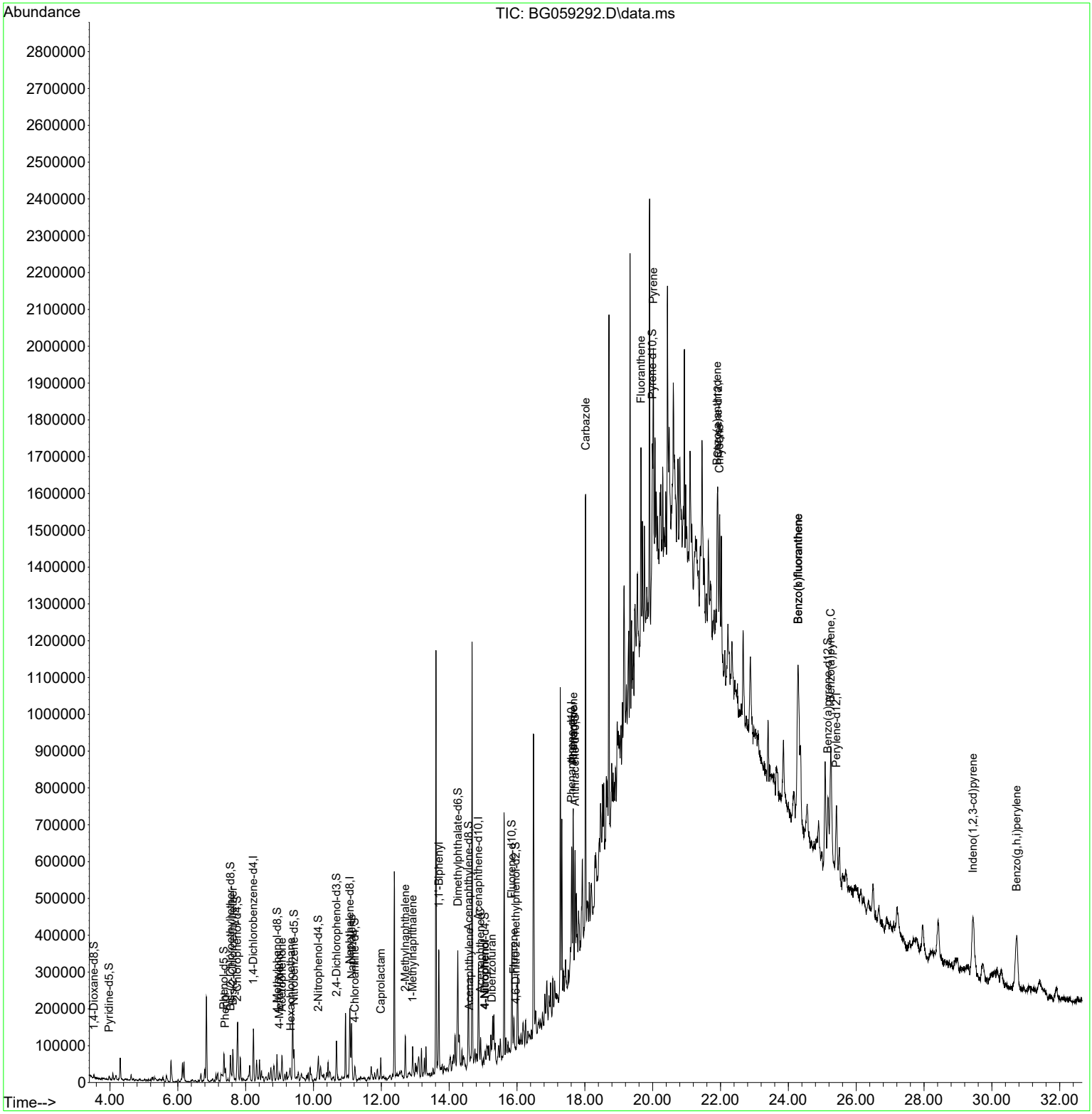
(#) = qualifier out of range (m) = manual integration (+) = signals summed

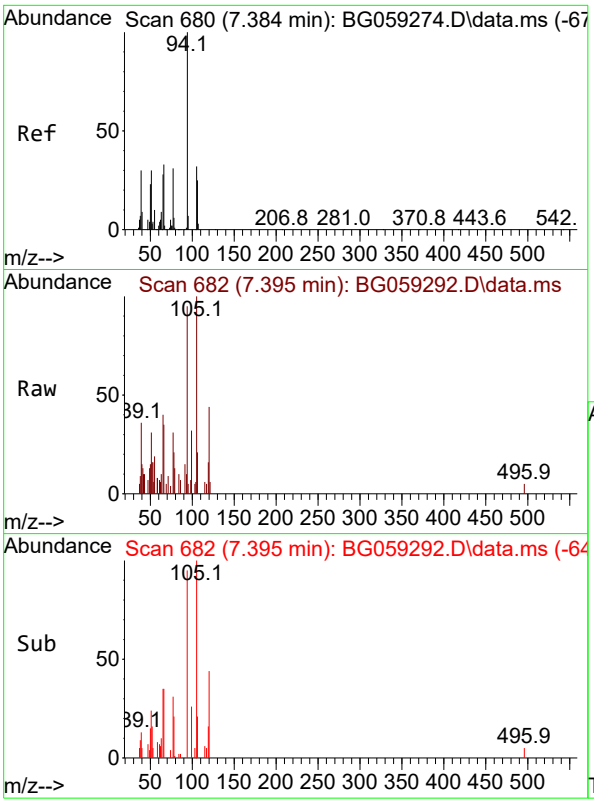
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100523\
Data File : BG059292.D
Acq On : 5 Oct 2023 11:56
Operator : MA/JU
Sample : 04527-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Quant Time: Oct 05 22:37:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration



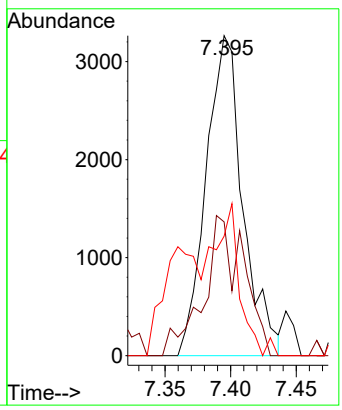


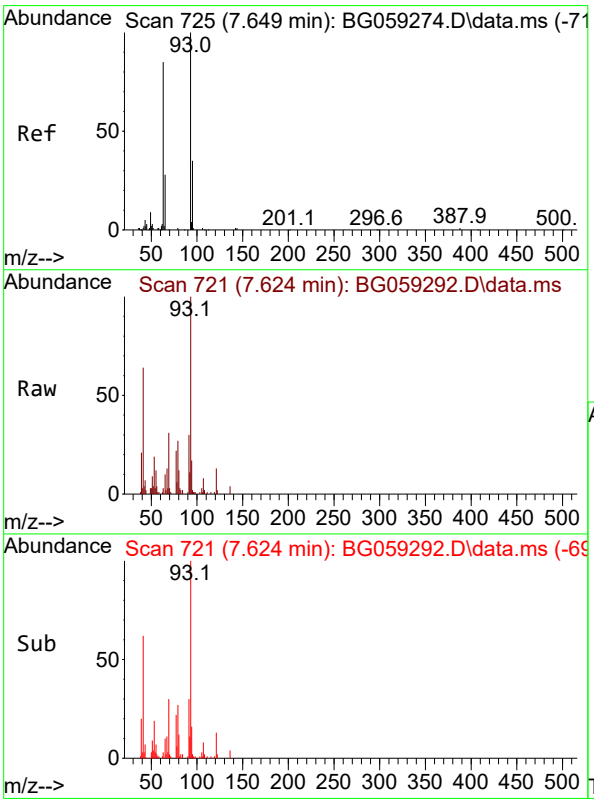

#8
Phenol
Concen: 1.816 ng/ul
RT: 7.395 min Scan# 6
Delta R.T. 0.010 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion: 94 Resp: 6361

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 41.8 | 23.6 | 35.4# |
| 66 | 37.3 | 24.6 | 37.0# |

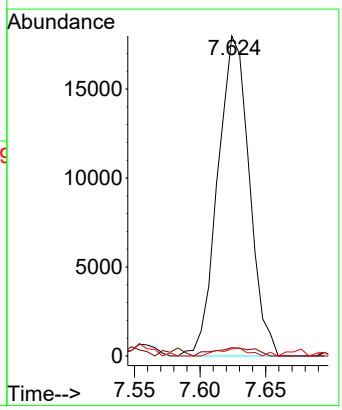


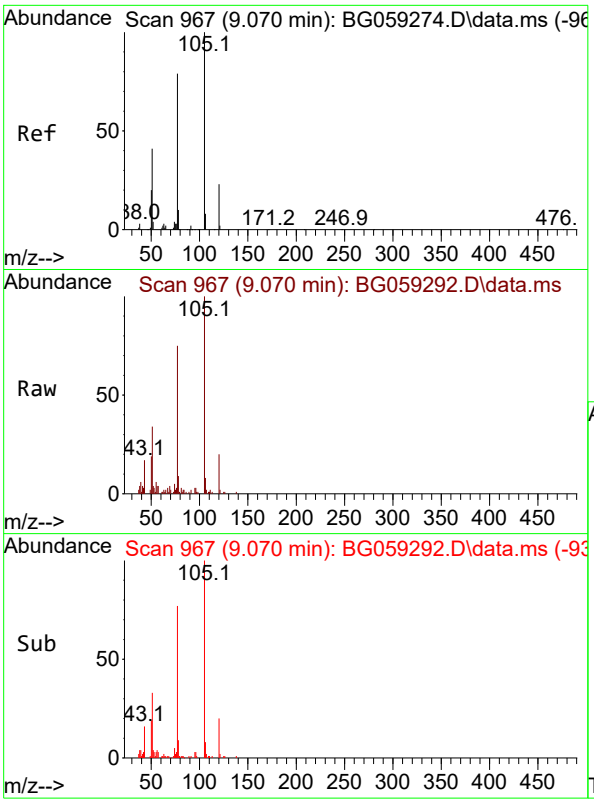




#10
Bis(2-Chloroethyl)ether
Concen: 10.455 ng/ul
RT: 7.624 min Scan# 721
Delta R.T. -0.025 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion: 93 Resp: 30033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 2.6 | 76.0 | 114.0# |
| 95 | 2.2 | 26.6 | 39.8# |



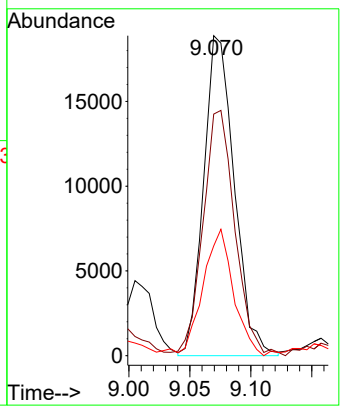


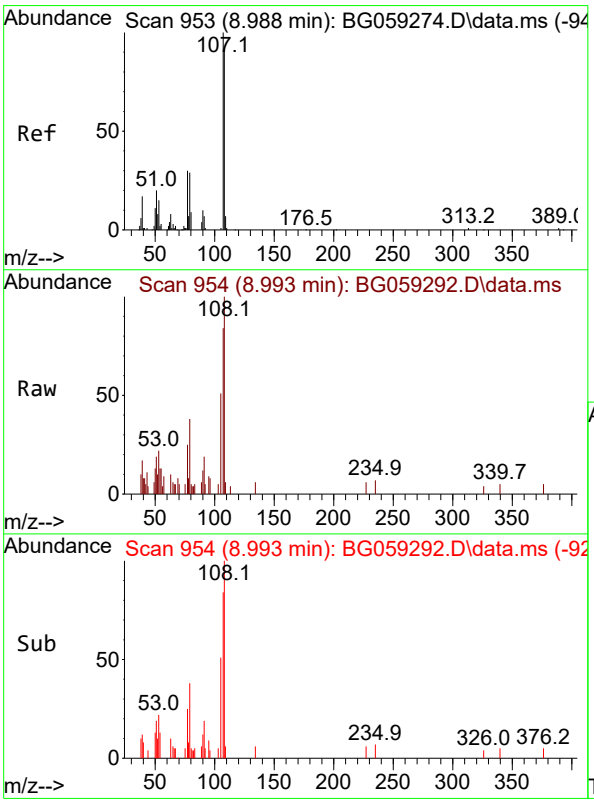

#16
Acetophenone
Concen: 7.846 ng/ul
RT: 9.070 min Scan# 9
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:105 Resp: 33072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 75.5 | 58.8 | 88.2 |
| 51 | 34.3 | 32.6 | 48.8 |

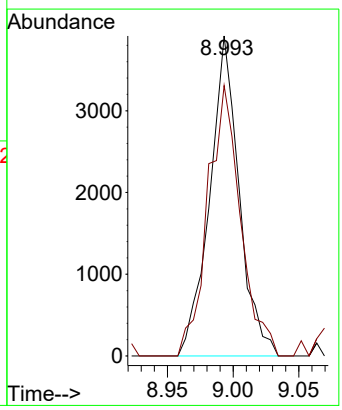


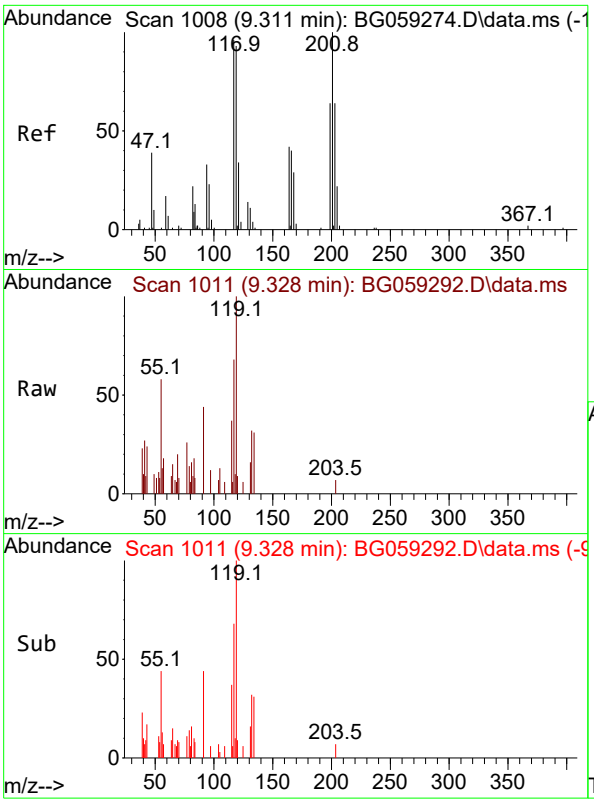




#18
4-Methylphenol
Concen: 2.184 ng/ul
RT: 8.993 min Scan# 954
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:108 Resp: 6125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 107 | 84.5 | 83.8 | 125.8 |



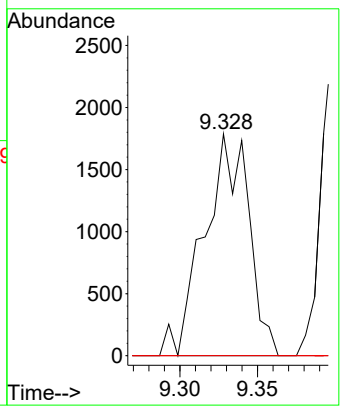


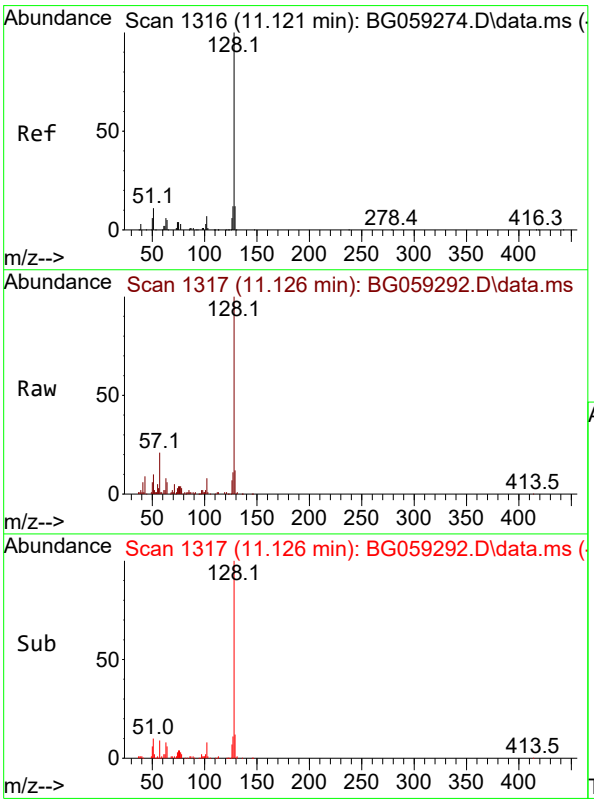

#19
Hexachloroethane
Concen: 3.534 ng/ul
RT: 9.328 min Scan# 1
Delta R.T. 0.010 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:117 Resp: 3474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 78.2 | 117.4# |
| 199 | 0.0 | 53.5 | 80.3# |

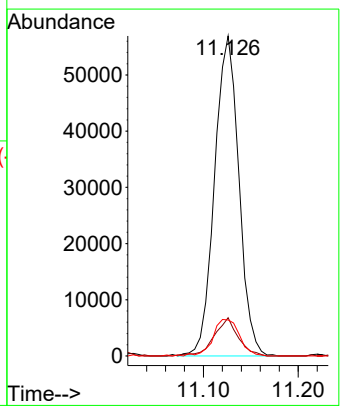


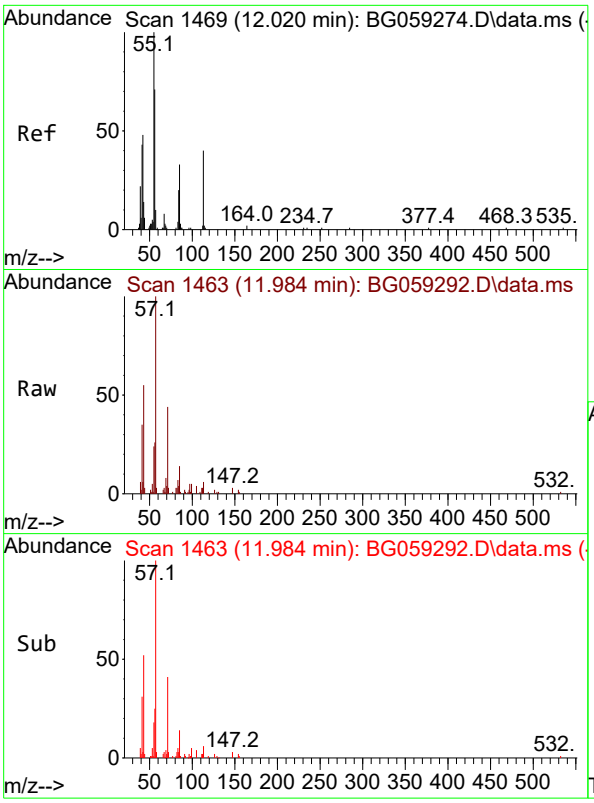




#30
Naphthalene
Concen: 11.854 ng/ul
RT: 11.126 min Scan# 1317
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:128 Resp: 101618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.9 | 8.0 | 12.0 |
| 127 | 11.3 | 11.1 | 16.7 |



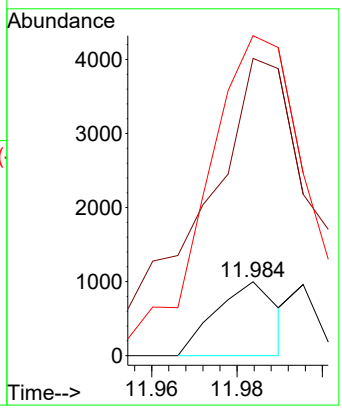


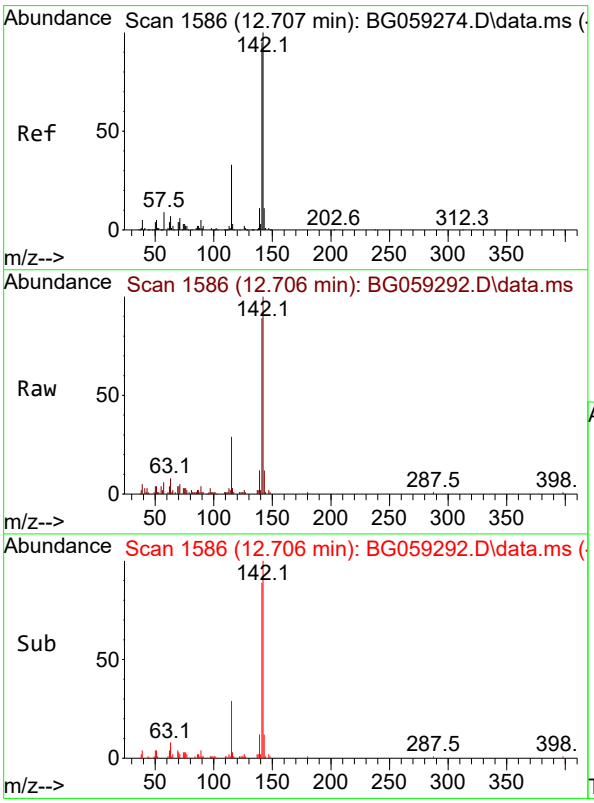

#34
Caprolactam
Concen: 1.282 ng/ul
RT: 11.984 min Scan# 14
Delta R.T. -0.043 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:113 Resp: 1003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 401.9 | 211.3 | 316.9# |
| 56 | 432.5 | 167.9 | 251.9# |

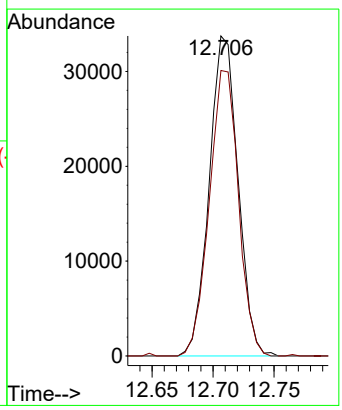


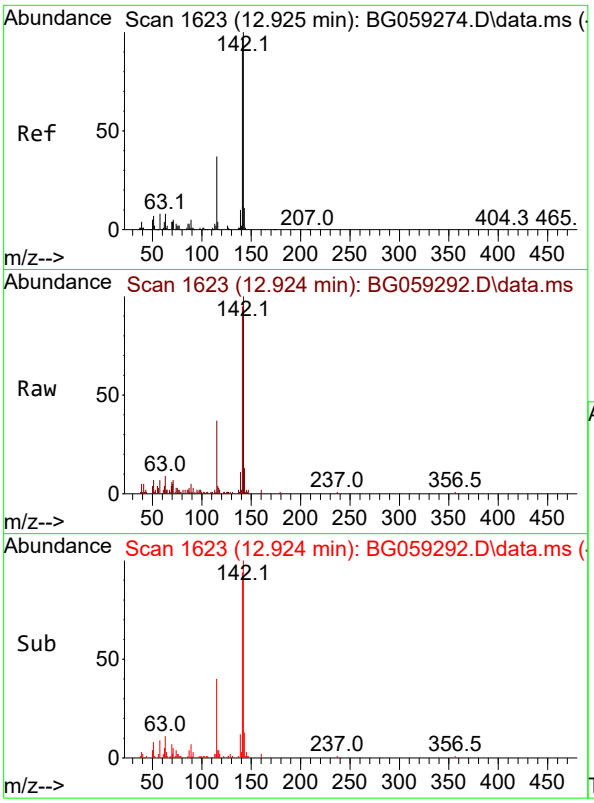




#36
2-Methylnaphthalene
Concen: 9.886 ng/ul
RT: 12.706 min Scan# 1586
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:142 Resp: 55518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 70.2 | 105.2 |



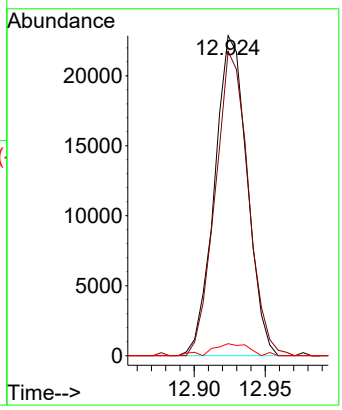


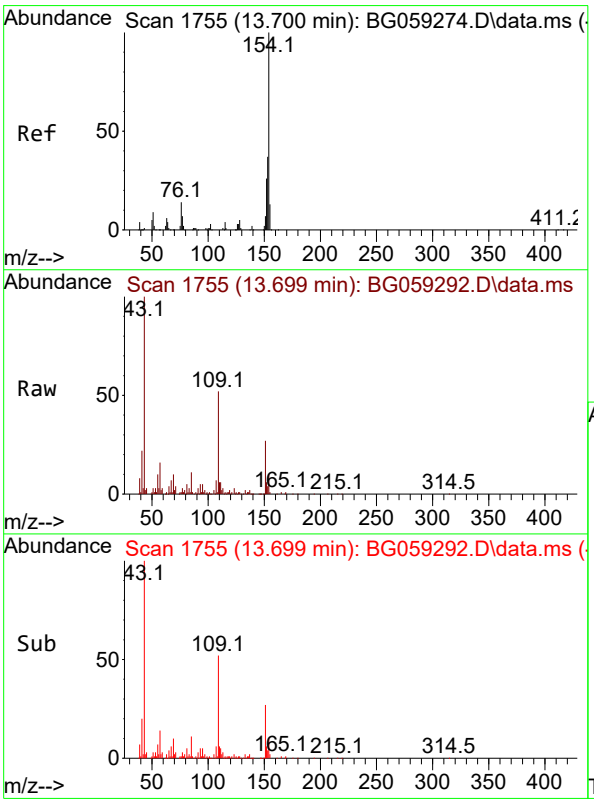

#37
1-Methylnaphthalene
Concen: 6.387 ng/ul
RT: 12.924 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:142 Resp: 36401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 95.1 | 71.6 | 107.4 |
| 116 | 3.7 | 2.3 | 3.5# |

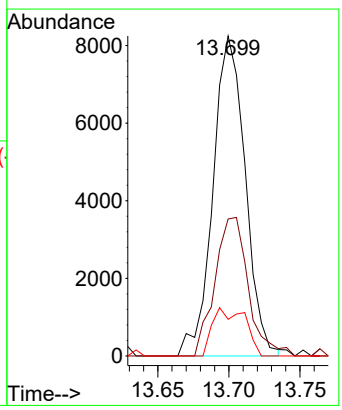


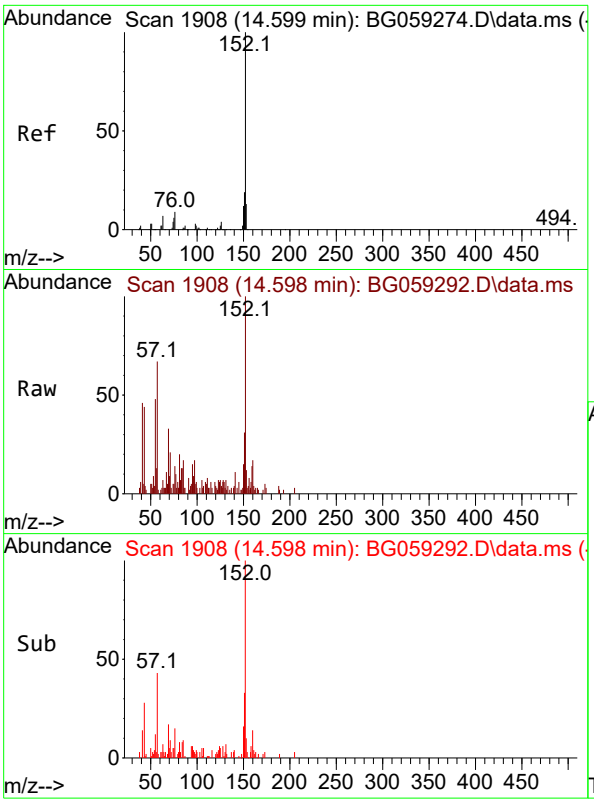




#43
1,1'-Biphenyl
Concen: 1.689 ng/ul
RT: 13.699 min Scan# 1755
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:154 Resp: 13025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 42.8 | 29.2 | 43.8 |
| 76 | 11.4 | 10.1 | 15.1 |



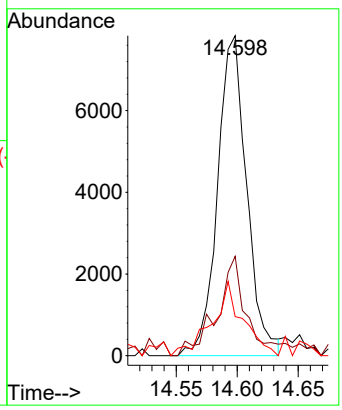


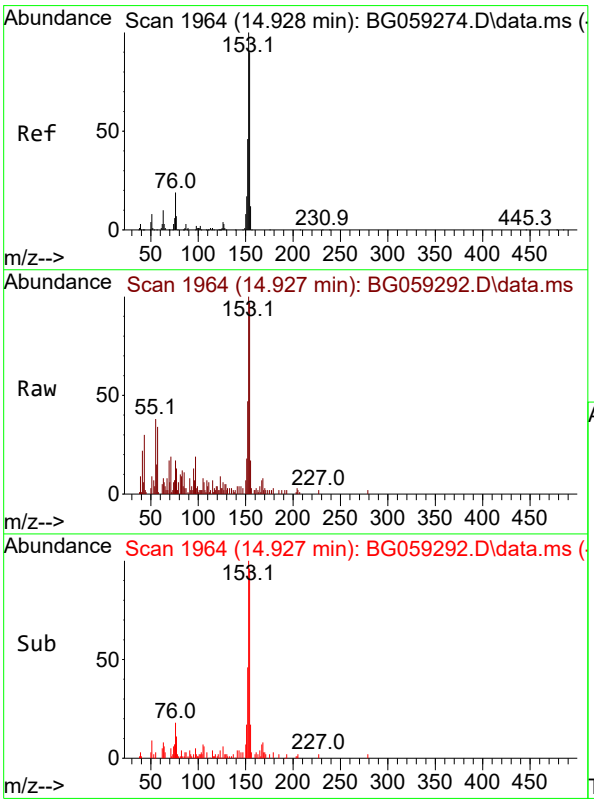

#50
Acenaphthylene
Concen: 1.416 ng/ul
RT: 14.598 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:152 Resp: 13101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 31.1 | 14.6 | 21.8# |
| 153 | 12.2 | 10.9 | 16.3 |

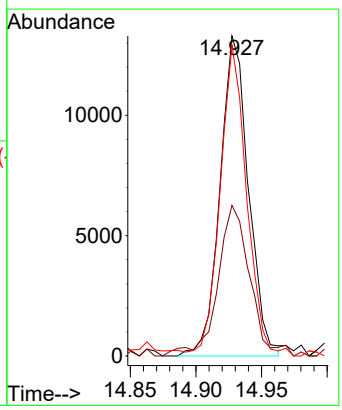


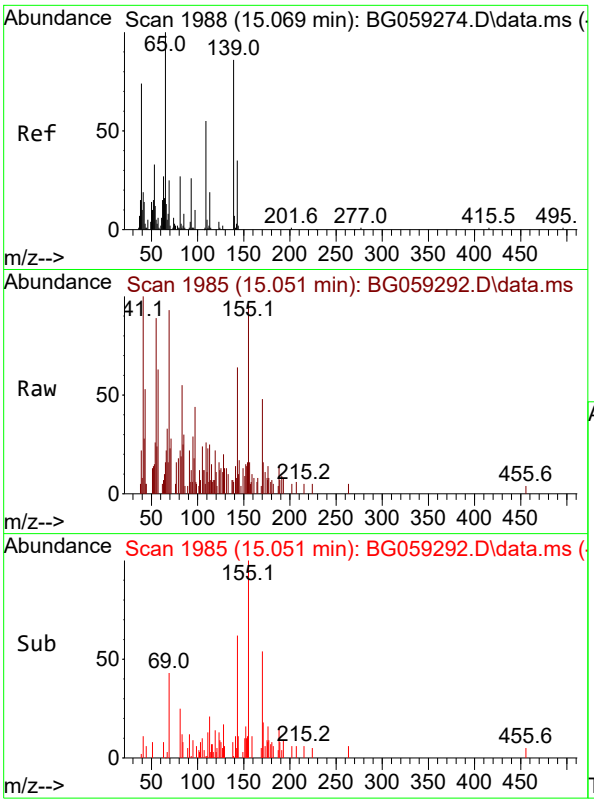




#52
Acenaphthene
Concen: 3.161 ng/ul
RT: 14.927 min Scan# 1964
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:153 Resp: 20072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.1 | 38.5 | 57.7 |
| 154 | 97.2 | 76.3 | 114.5 |



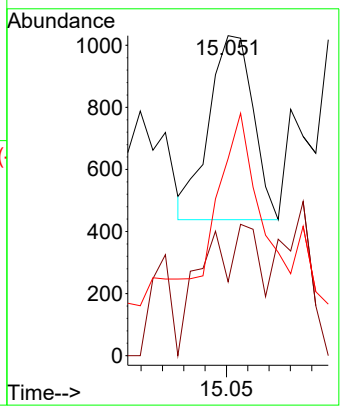


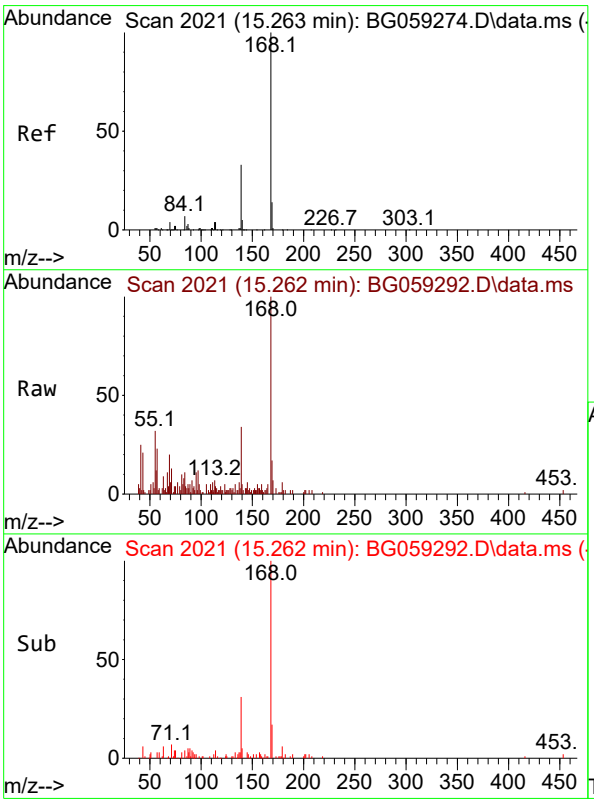

#55
4-Nitrophenol
Concen: 1.003 ng/ul
RT: 15.051 min Scan# 1
Delta R.T. -0.019 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:109 Resp: 853

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 109 | 100 | | |
| 139 | 23.1 | 115.5 | 173.3# |
| 65 | 61.6 | 122.8 | 184.2# |

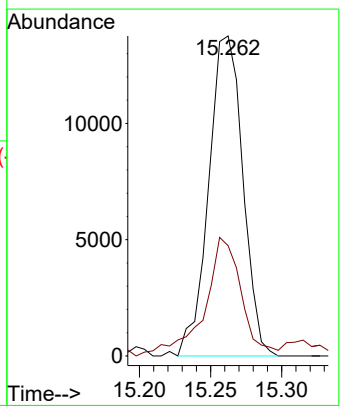


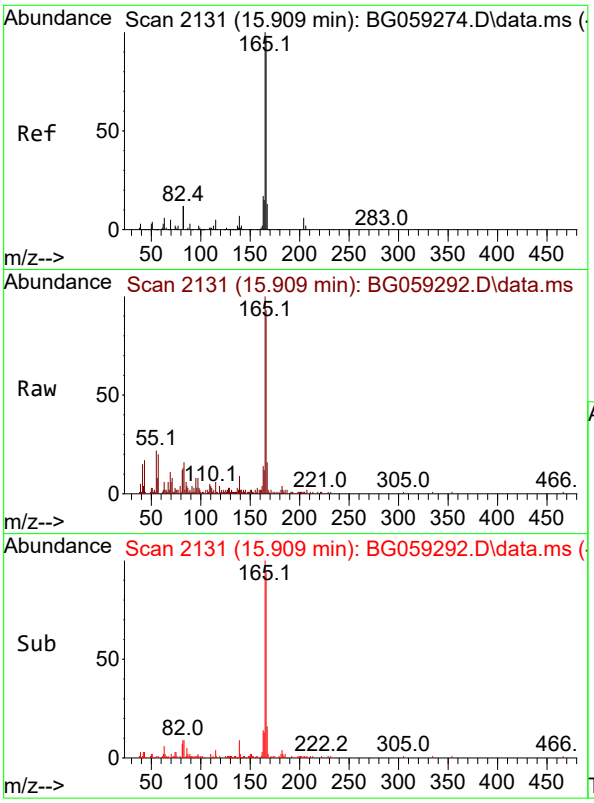




#56
Dibenzofuran
Concen: 2.731 ng/ul
RT: 15.262 min Scan# 2021
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:168 Resp: 22992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 34.4 | 26.6 | 39.8 |



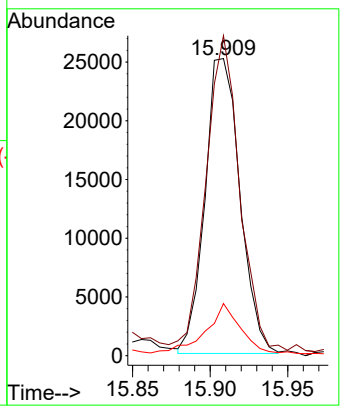


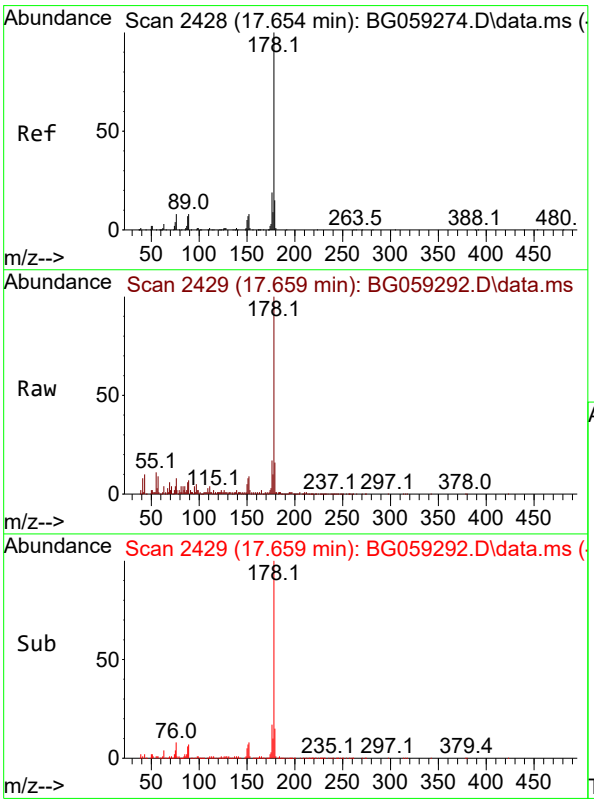

#61
Fluorene
Concen: 5.582 ng/ul
RT: 15.909 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:166 Resp: 39454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 107.7 | 78.6 | 118.0 |
| 167 | 17.6 | 11.8 | 17.8 |

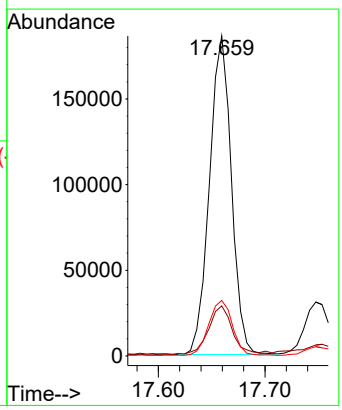


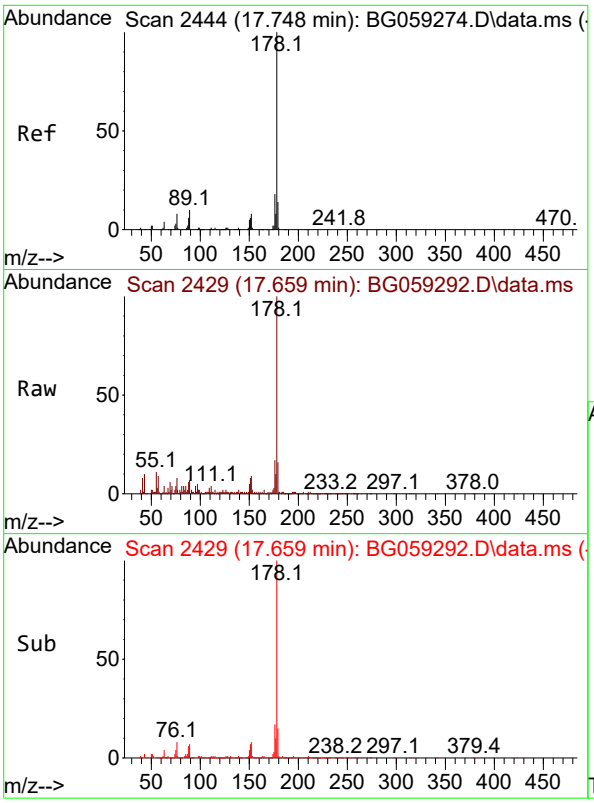




#72
Phenanthrene
Concen: 24.609 ng/ul
RT: 17.659 min Scan# 2429
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:178 Resp: 265603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.3 | 18.5 |
| 176 | 17.3 | 14.6 | 21.8 |



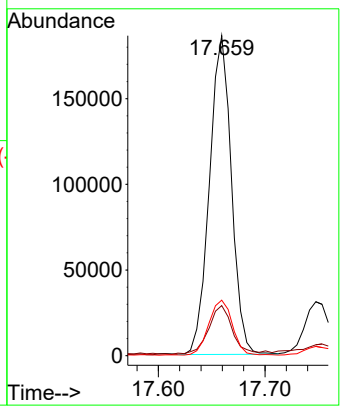


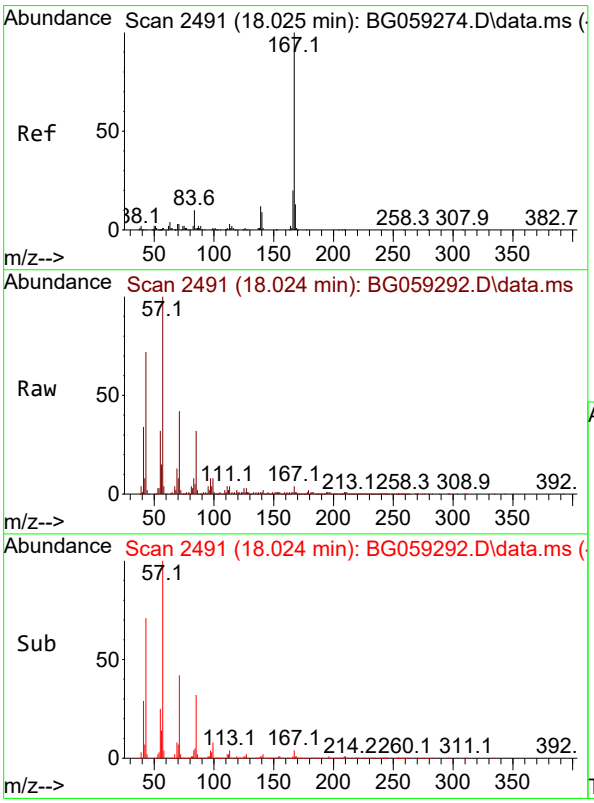

#74
Anthracene
Concen: 23.879 ng/ul
RT: 17.659 min Scan# 24
Delta R.T. -0.096 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:178 Resp: 266114

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.0 | 18.0 |
| 176 | 17.3 | 14.5 | 21.7 |

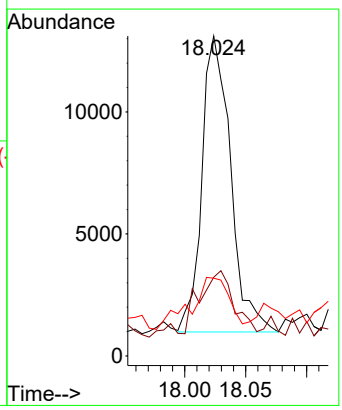


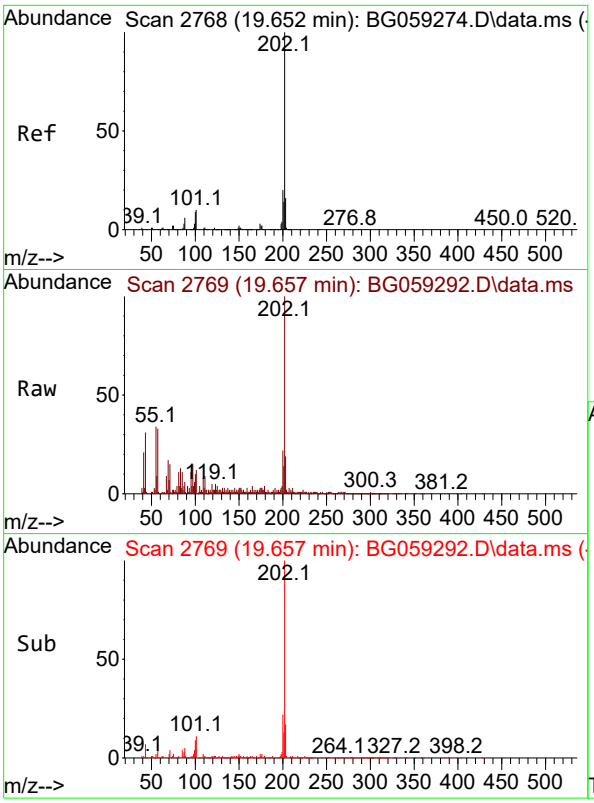




#77
Carbazole
Concen: 2.185 ng/ul
RT: 18.024 min Scan# 2491
Delta R.T. -0.008 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:167 Resp: 19845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 24.6 | 17.4 | 26.0 |
| 139 | 24.3 | 9.0 | 13.4# |



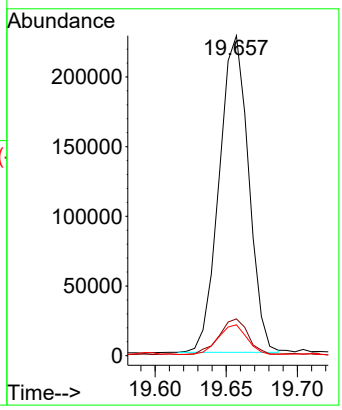


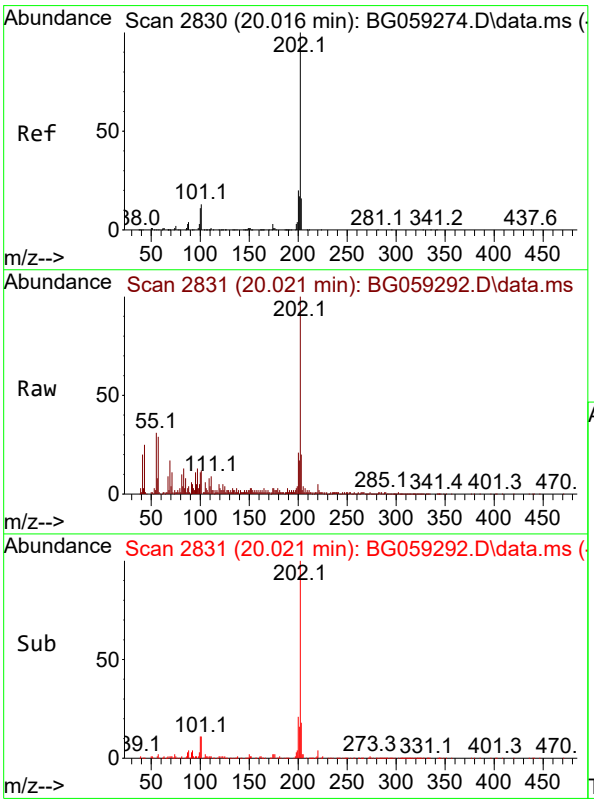

#80
Fluoranthene
Concen: 27.931 ng/ul
RT: 19.657 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:202 Resp: 327071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 8.2 | 12.4 |
| 100 | 9.7 | 8.2 | 12.2 |

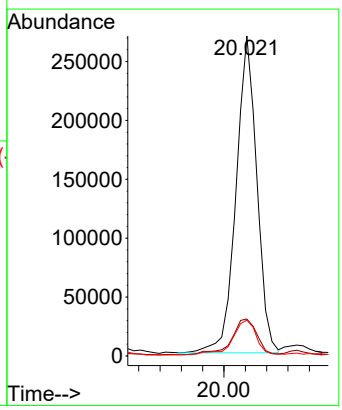


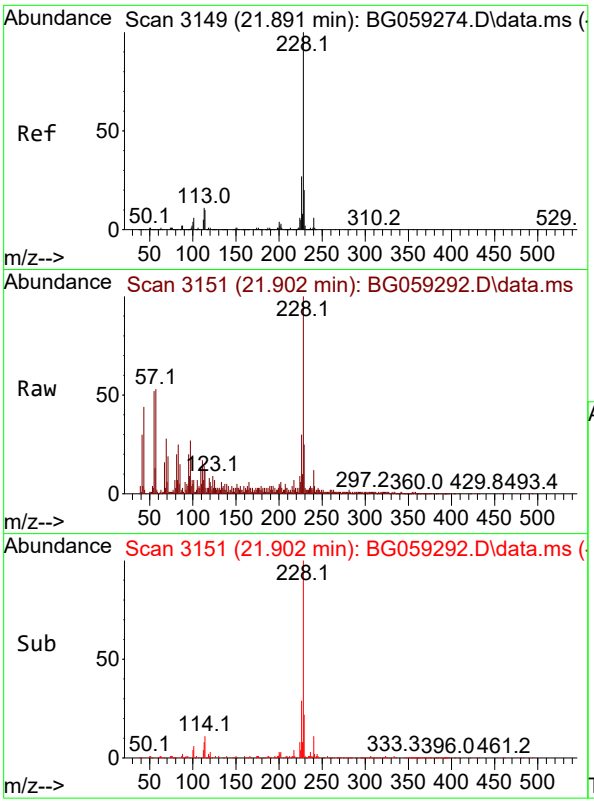




#82
Pyrene
Concen: 29.430 ng/ul
RT: 20.021 min Scan# 2831
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:202 Resp: 365034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 10.2 | 15.4 |
| 100 | 11.2 | 9.6 | 14.4 |



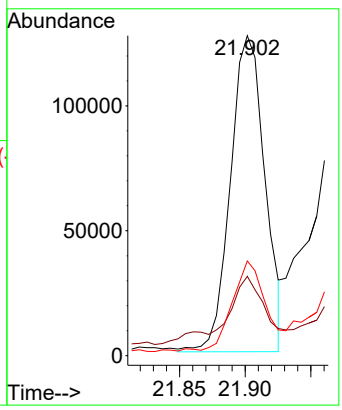


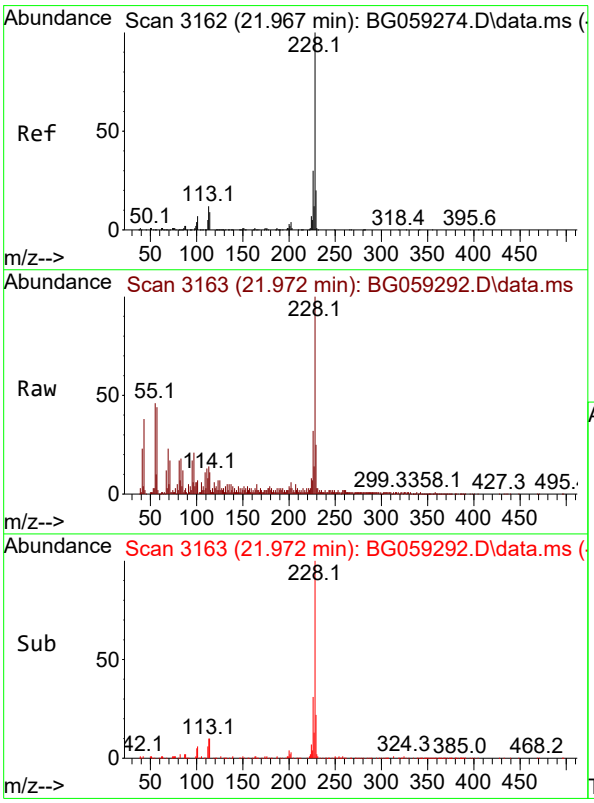

#85
Benzo(a)anthracene
Concen: 19.343 ng/ul
RT: 21.902 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:228 Resp: 231125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.8 | 15.5 | 23.3# |
| 226 | 29.6 | 21.4 | 32.2 |

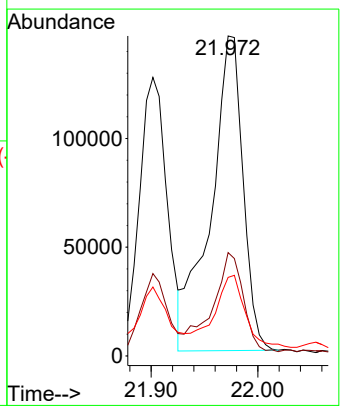


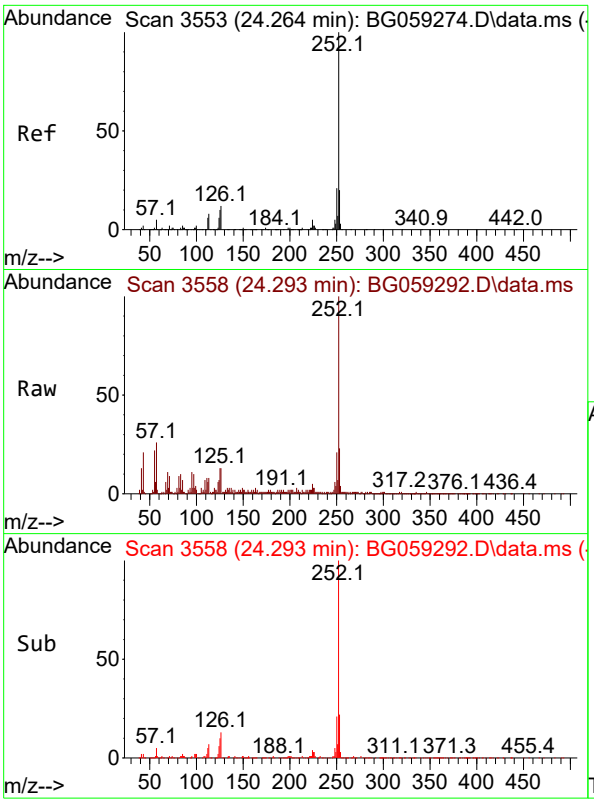




#87
Chrysene
Concen: 26.992 ng/ul
RT: 21.972 min Scan# 3163
Delta R.T. -0.002 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:228 Resp: 304614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.3 | 24.2 | 36.4 |
| 229 | 24.6 | 16.2 | 24.2# |



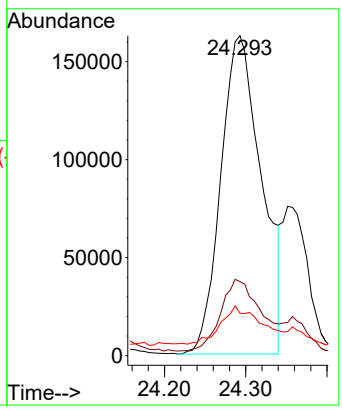


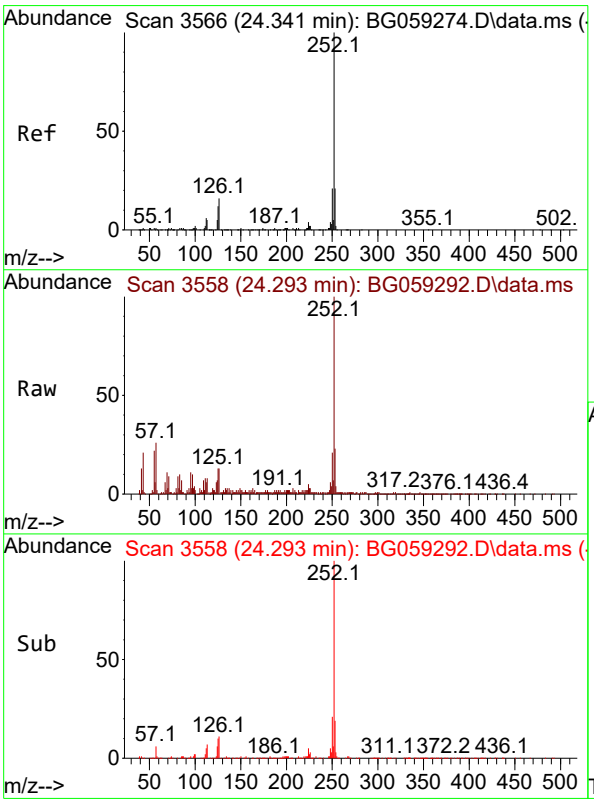

#90
Benzo(b)fluoranthene
Concen: 44.776 ng/ul
RT: 24.293 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:252 Resp: 566420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.0 | 27.0 |
| 125 | 13.2 | 8.1 | 12.1# |

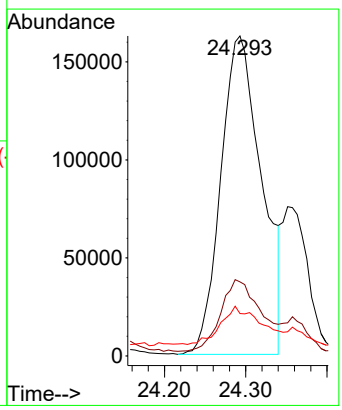


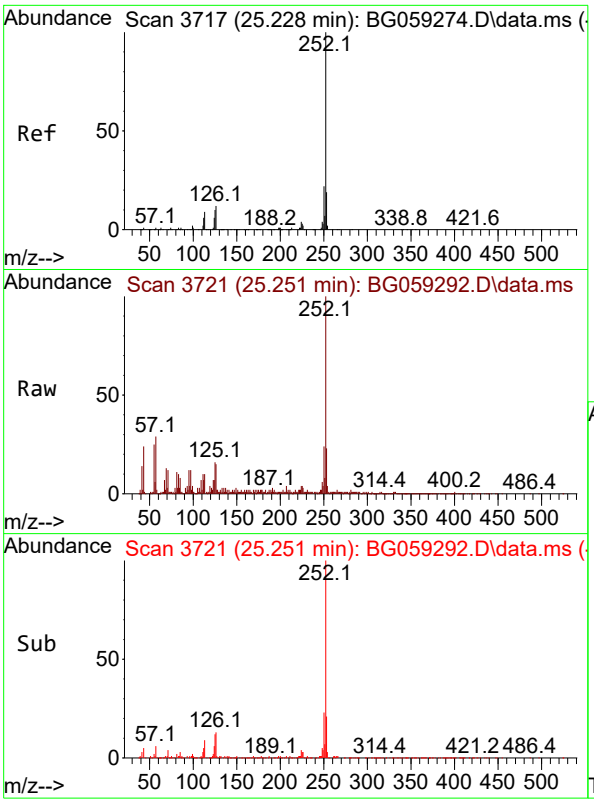




#91
Benzo(k)fluoranthene
Concen: 44.191 ng/ul
RT: 24.293 min Scan# 3558
Delta R.T. -0.066 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:252 Resp: 566420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.6 | 26.4 |
| 125 | 13.2 | 8.1 | 12.1# |



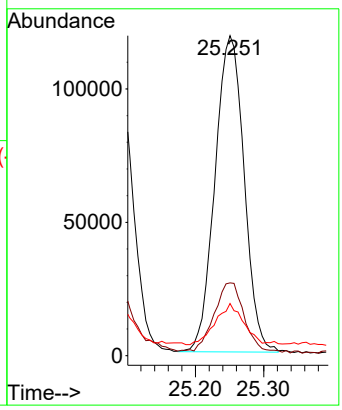


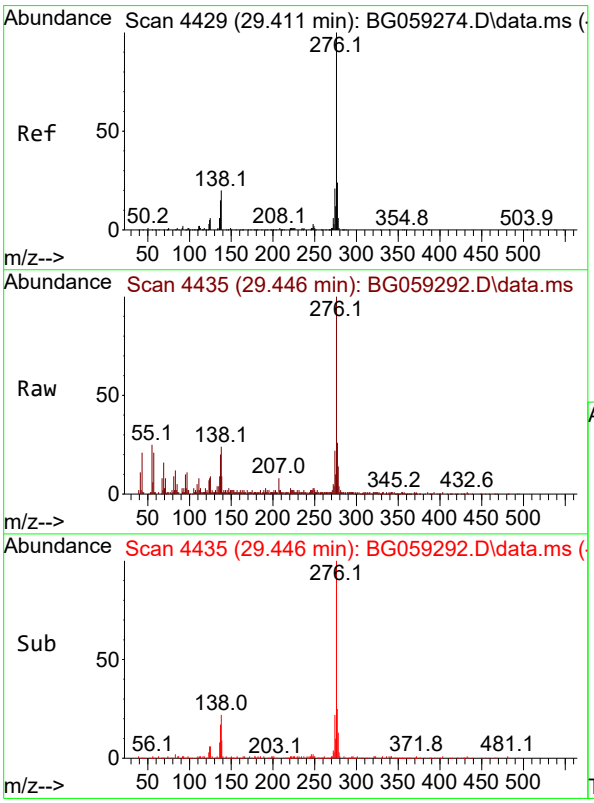

#93
Benzo(a)pyrene
Concen: 29.344 ng/ul
RT: 25.251 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:252 Resp: 352143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.2 | 25.8 |
| 125 | 16.3 | 9.4 | 14.0# |

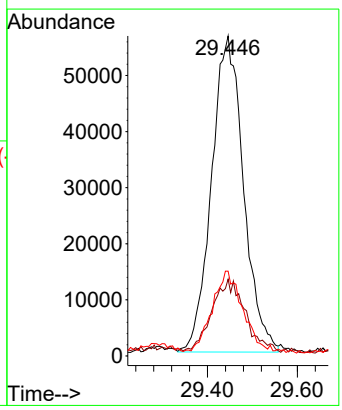


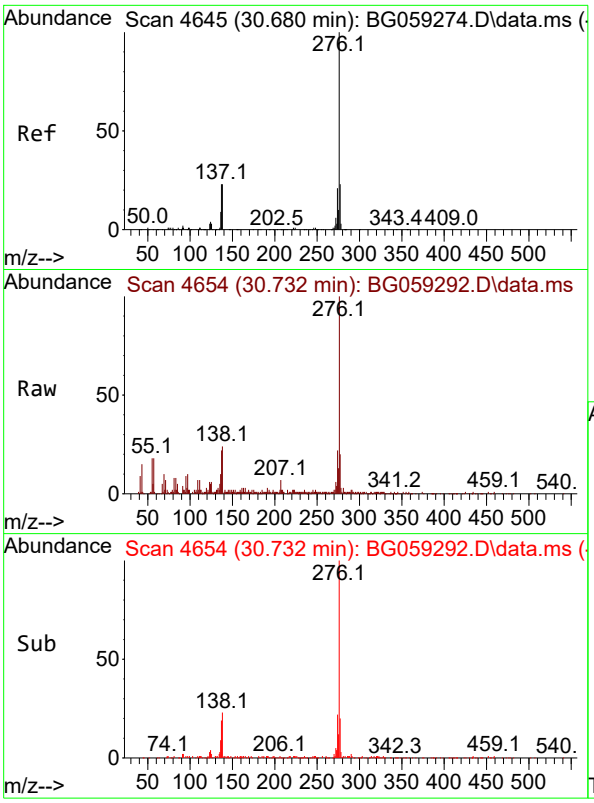




#94
Indeno(1,2,3-cd)pyrene
Concen: 20.520 ng/ul
RT: 29.446 min Scan# 4435
Delta R.T. 0.010 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

Tgt Ion:276 Resp: 278748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.7 | 17.0 | 25.6# |
| 277 | 26.5 | 18.6 | 28.0 |






#96
Benzo(g,h,i)perylene
Concen: 26.373 ng/ul
RT: 30.732 min Scan# 4
Delta R.T. 0.022 min
Lab File: BG059292.D
Acq: 5 Oct 2023 11:56

**Instrument :**
BNA_G
**ClientSampleId :**
EZYH0

Tgt Ion:276 Resp: 291301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.5 | 16.6 | 25.0 |
| 277 | 20.3 | 20.0 | 30.0 |