Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055820.D
Acq On : 29 Nov 2022 1:20
Operator : CG/JU
Sample : N5752-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Quant Time: Nov 29 02:17:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 02:02:15 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.235 | 152 | 57005 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.061 | 136 | 228455 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.857 | 164 | 138922 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.606 | 188 | 260110 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 21.919 | 240 | 240601 | 20.000 | ng | # 0.03 |
| 86) Perylene-d12 | 25.362 | 264 | 242542 | 20.000 | ng | # 0.07 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.767 | 112 | 34811 | 11.038 | ng | 0.00 |
| 7) Phenol-d6 | 7.383 | 99 | 45474 | 10.832 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.398 | 82 | 28038 | 6.487 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.343 | 330 | 19774 | 10.108 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.476 | 172 | 75384 | 8.129 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.198 | 244 | 97786 | 8.129 | ng | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 51) 2,6-Dinitrotoluene | 14.393 | 165 | 4956 | 2.189 | ng | # 33 |
| 53) 3-Nitroaniline | 14.757 | 138 | 8105 | 3.261 | ng | # 11 |
| 66) n-Nitrosodiphenylamine | 16.108 | 169 | 15716 | 2.192 | ng | # 49 |
| 71) Phenanthrene | 17.648 | 178 | 29244 | 2.083 | ng | # 51 |
| 74) Di-n-butylphthalate | 18.552 | 149 | 41674 | 2.737 | ng | # 52 |
| 75) Fluoranthene | 19.657 | 202 | 86896 | 5.089 | ng | 71 |
| 78) Pyrene | 20.021 | 202 | 119404 | 7.332 | ng | # 78 |
| 81) Benzo(a)anthracene | 21.901 | 228 | 38777 | 2.340 | ng | # 42 |
| 83) Chrysene | 21.966 | 228 | 67686 | 4.290 | ng | # 54 |
| 84) Bis(2-ethylhexyl)phtha... | 21.755 | 149 | 53405 | 5.829 | ng | # 72 |
| 88) Benzo(b)fluoranthene | 24.263 | 252 | 86879 | 5.500 | ng | # 1 |
| 89) Benzo(k)fluoranthene | 24.263 | 252 | 86879 | 5.518 | ng | # 1 |
| 90) Benzo(a)pyrene | 25.186 | 252 | 35974 | 2.654 | ng | # 1 |

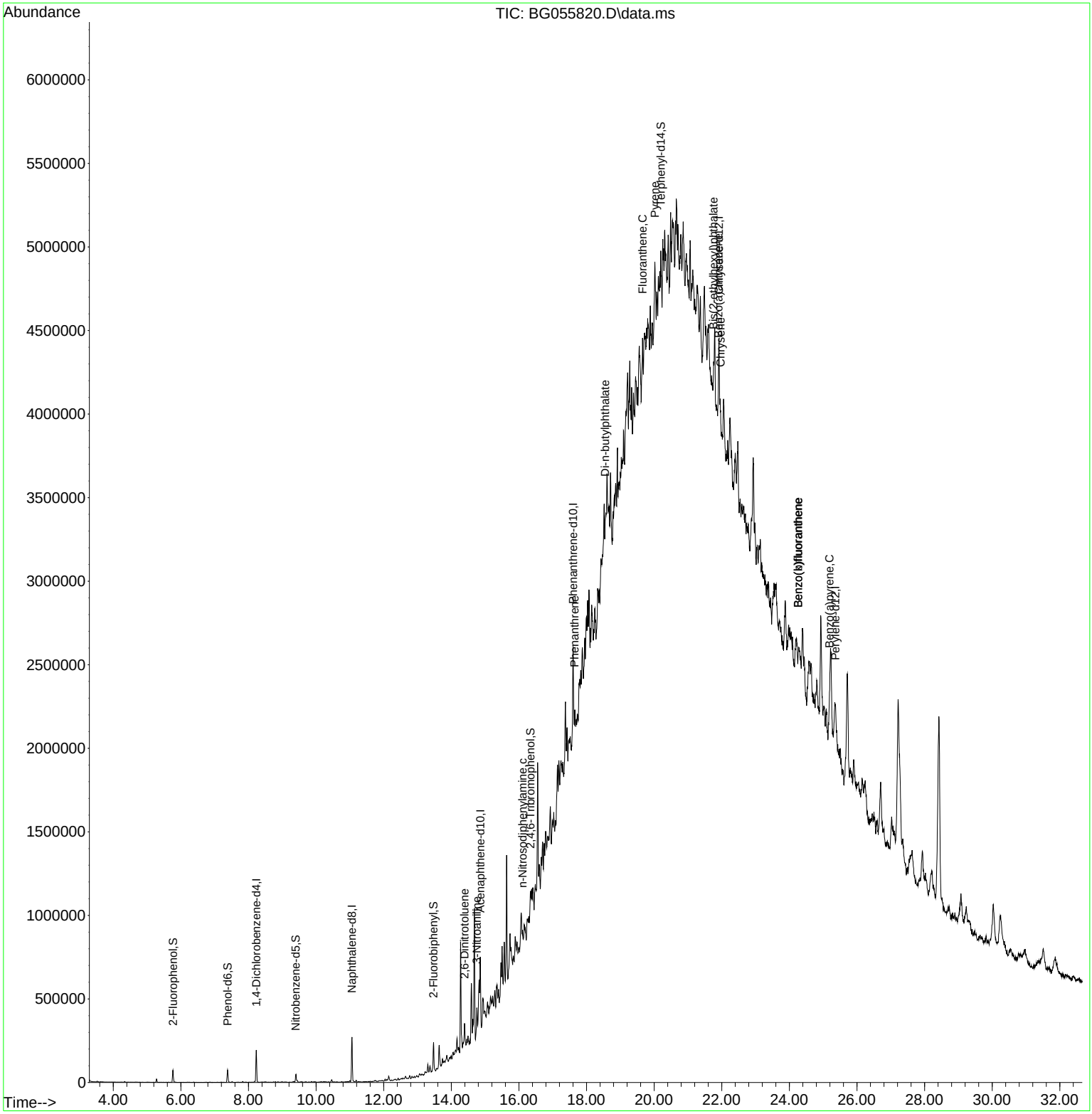
(#) = qualifier out of range (m) = manual integration (+) = signals summed

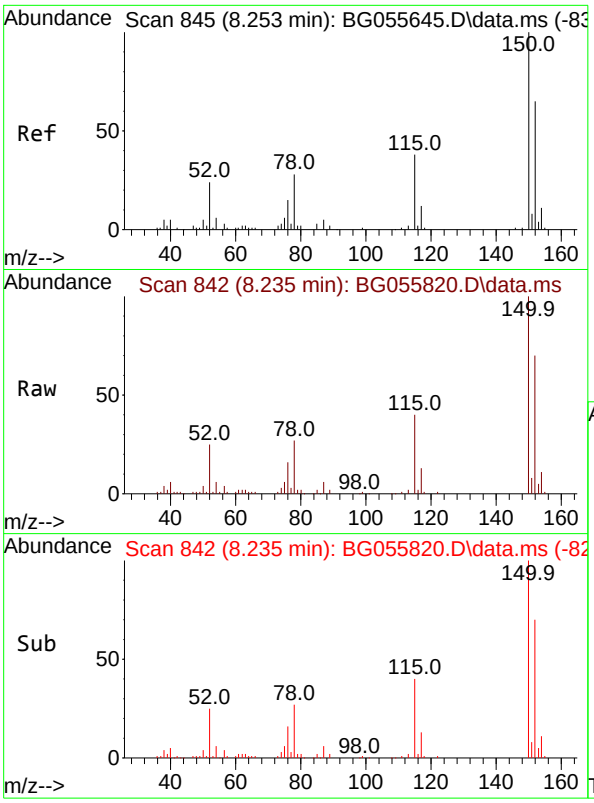
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112822\
Data File : BG055820.D
Acq On : 29 Nov 2022 1:20
Operator : CG/JU
Sample : N5752-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Quant Time: Nov 29 02:17:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 02:02:15 2022
Response via : Initial Calibration



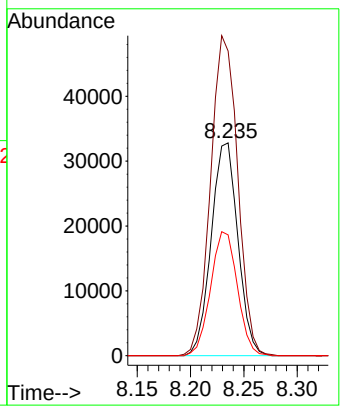


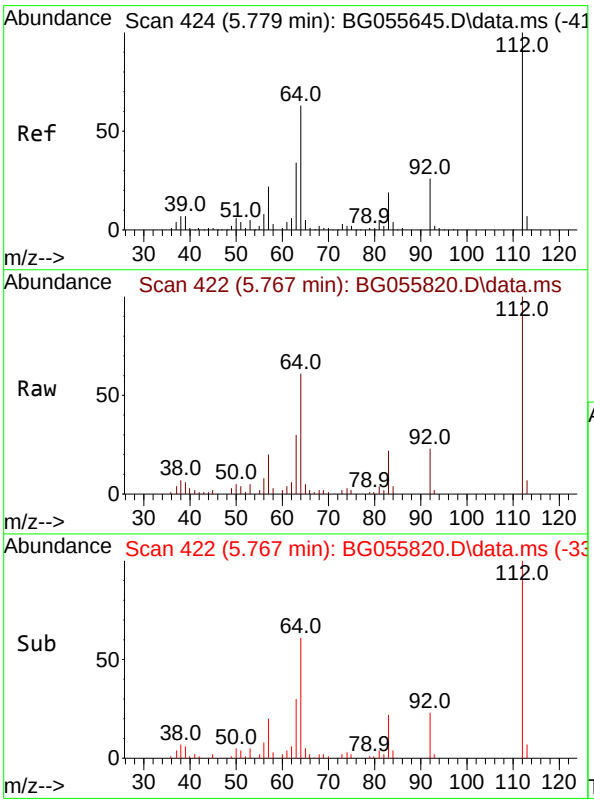

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.235 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:152 Resp: 57005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 143.2 | 123.0 | 184.6 |
| 115 | 56.8 | 47.0 | 70.4 |

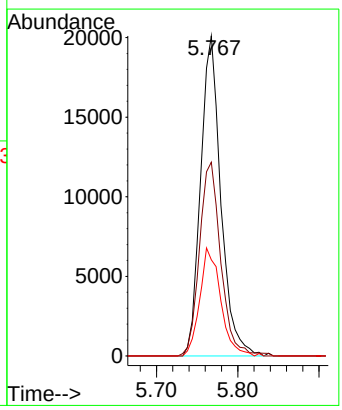


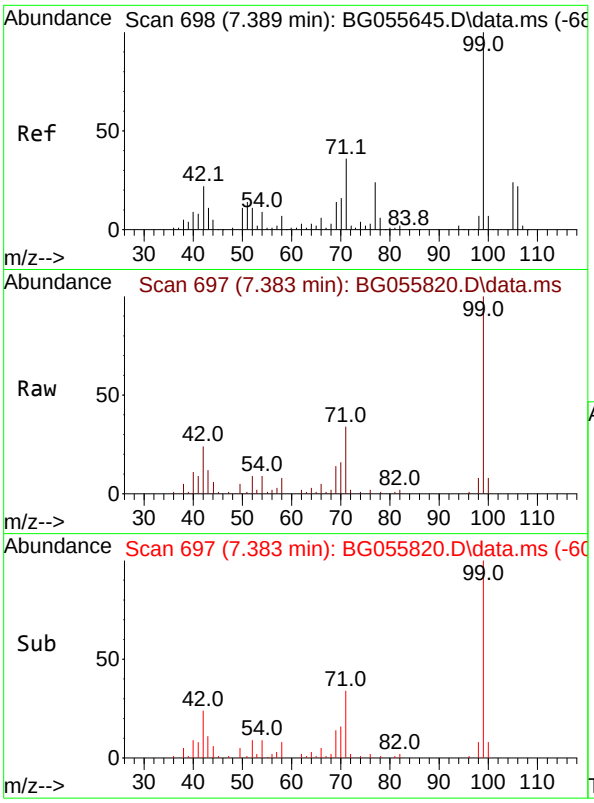




#5
2-Fluorophenol
Concen: 11.038 ng
RT: 5.767 min Scan# 422
Delta R.T. 0.010 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:112 Resp: 34811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.6 | 50.6 | 76.0 |
| 63 | 30.0 | 27.5 | 41.3 |



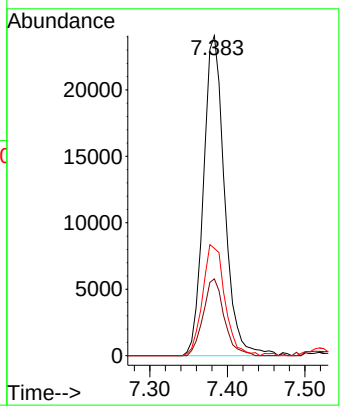


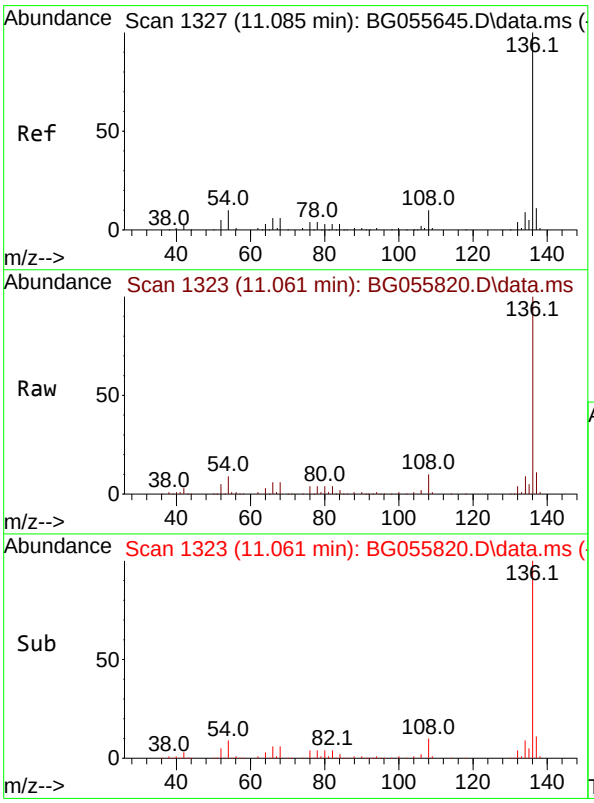

#7
Phenol-d6
Concen: 10.832 ng
RT: 7.383 min Scan# 6
Delta R.T. 0.004 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion: 99 Resp: 45474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.0 | 18.0 | 27.0 |
| 71 | 33.5 | 29.0 | 43.6 |

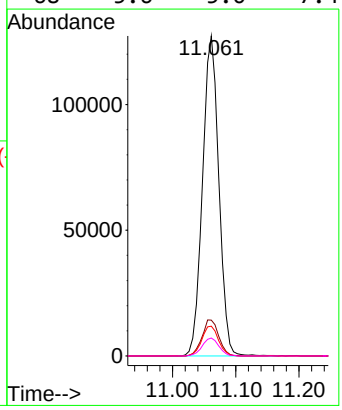


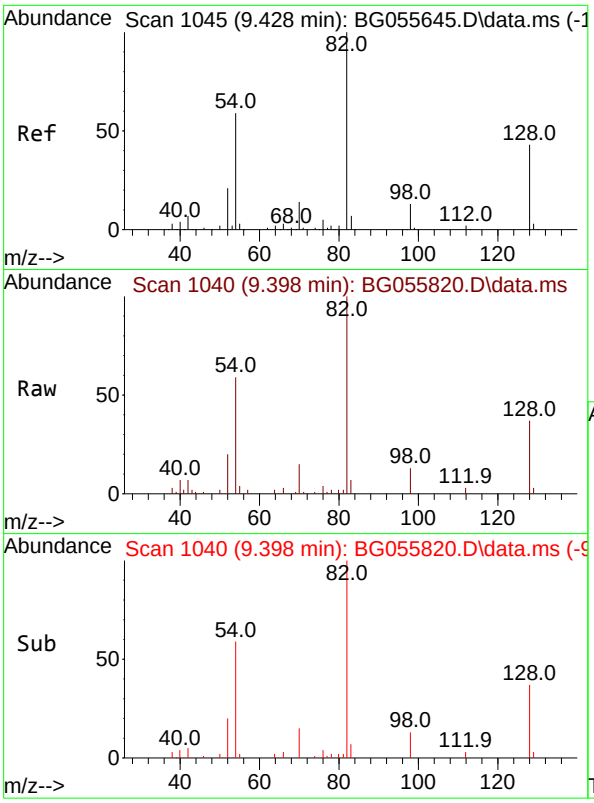




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.061 min Scan# 1323
Delta R.T. -0.002 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:136 Resp: 228455

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 9.0 | 13.6 |
| 54 | 9.3 | 7.8 | 11.6 |
| 68 | 5.6 | 5.0 | 7.4 |



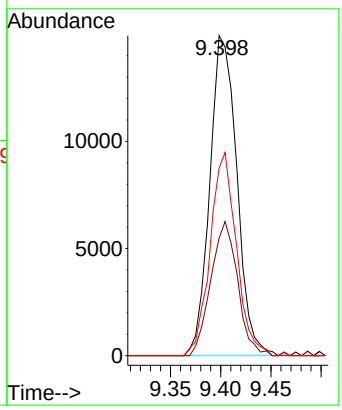


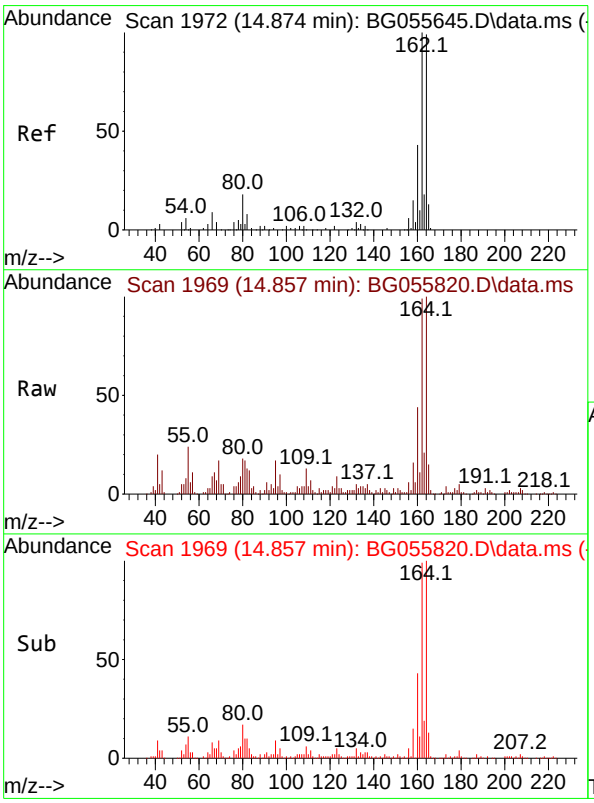

#23
Nitrobenzene-d5
Concen: 6.487 ng
RT: 9.398 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion: 82 Resp: 28038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 36.8 | 34.1 | 51.1 |
| 54 | 58.7 | 47.3 | 70.9 |

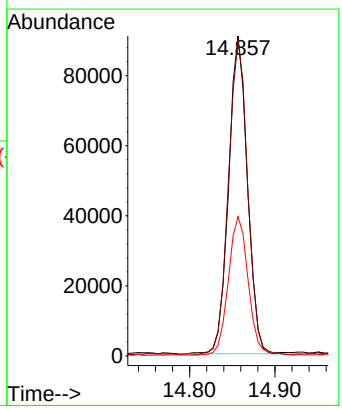


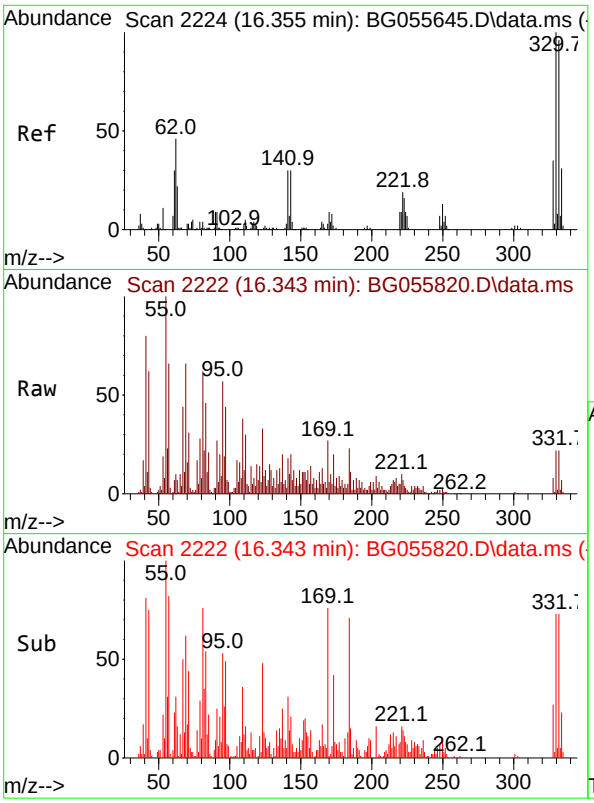




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.857 min Scan# 1969
Delta R.T. -0.002 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:164 Resp: 138922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.7 | 81.1 | 121.7 |
| 160 | 43.6 | 34.8 | 52.2 |



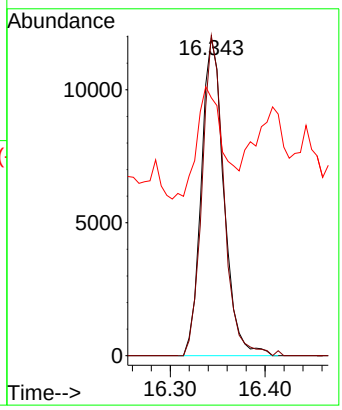


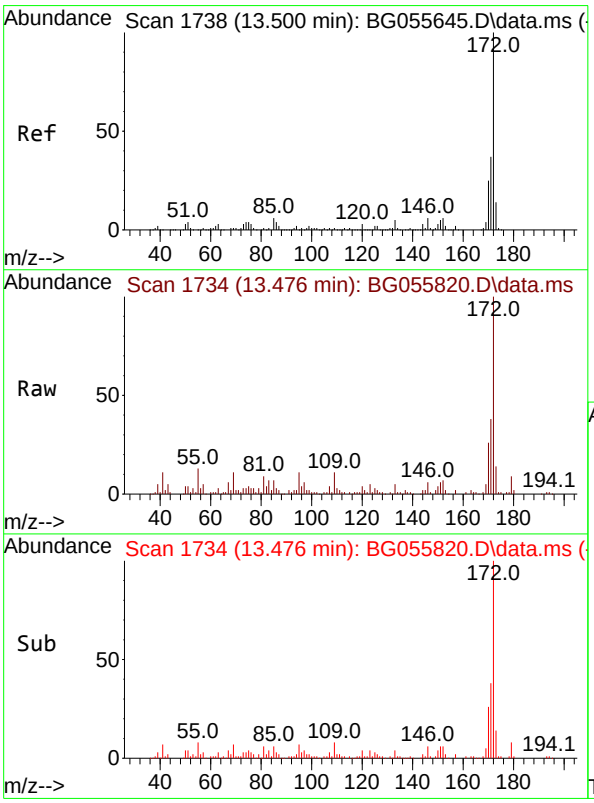

#42
2,4,6-Tribromophenol
Concen: 10.108 ng
RT: 16.343 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:330 Resp: 19774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 77.8 | 116.8 |
| 141 | 38.6 | 23.9 | 35.9# |

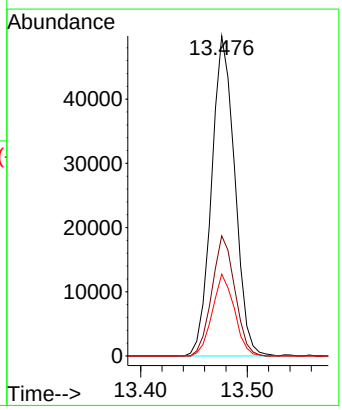


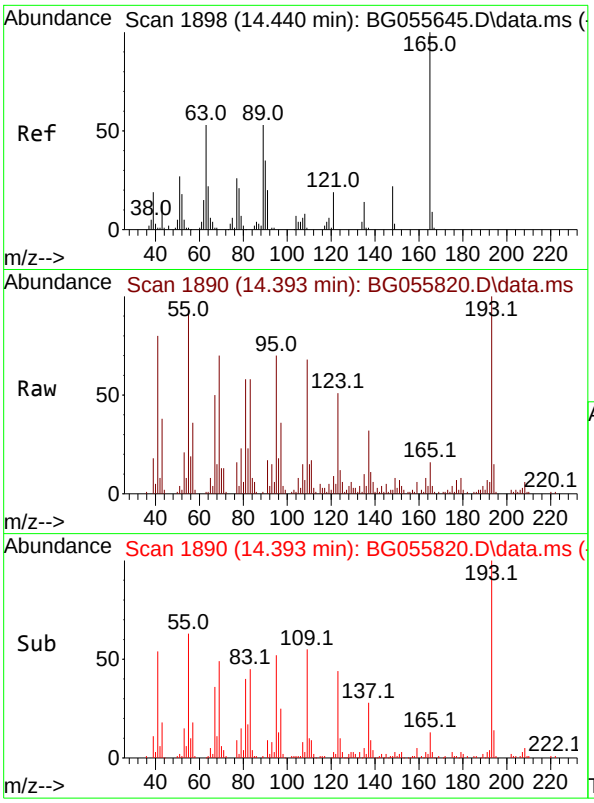




#45
2-Fluorobiphenyl
Concen: 8.129 ng
RT: 13.476 min Scan# 1734
Delta R.T. -0.008 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:172 Resp: 75384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.6 | 29.8 | 44.6 |
| 170 | 25.6 | 20.2 | 30.4 |



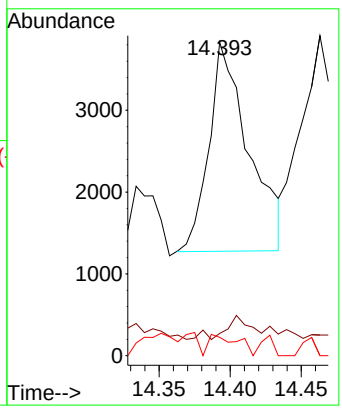


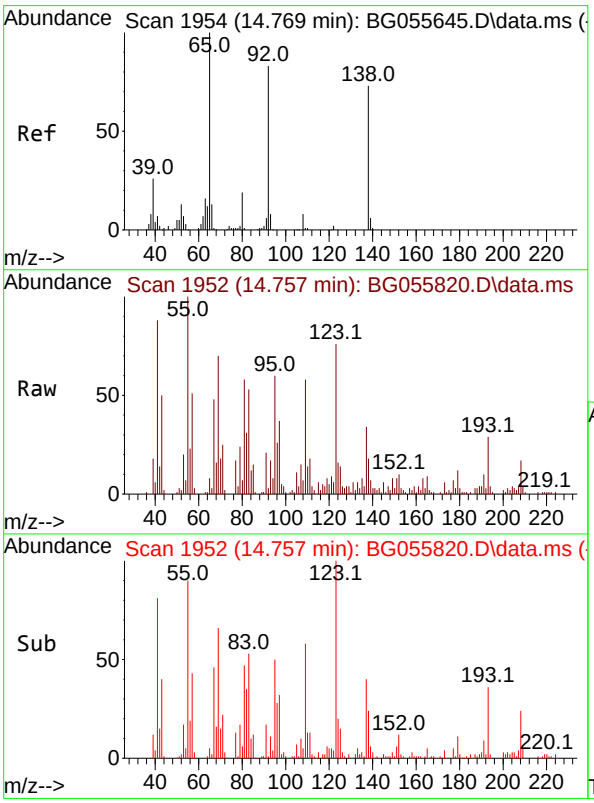

#51
2,6-Dinitrotoluene
Concen: 2.189 ng
RT: 14.393 min Scan# 1
Delta R.T. -0.031 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:165 Resp: 4956

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 7.1 | 44.6 | 66.8# |
| 89 | 5.9 | 42.2 | 63.4# |

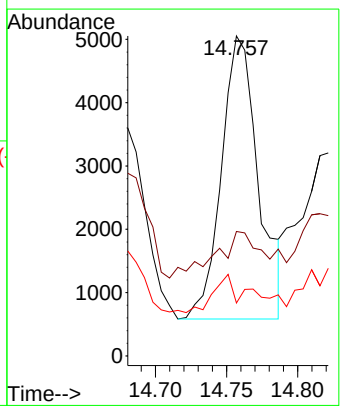


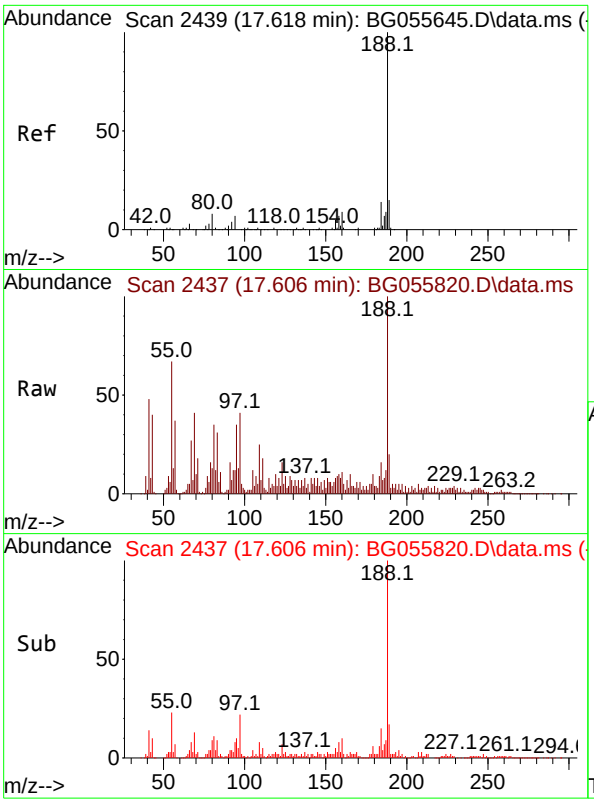




#53
3-Nitroaniline
Concen: 3.261 ng
RT: 14.757 min Scan# 1952
Delta R.T. -0.002 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:138 Resp: 8105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 108 | 38.9 | 8.5 | 12.7# |
| 92 | 16.5 | 91.0 | 136.6# |



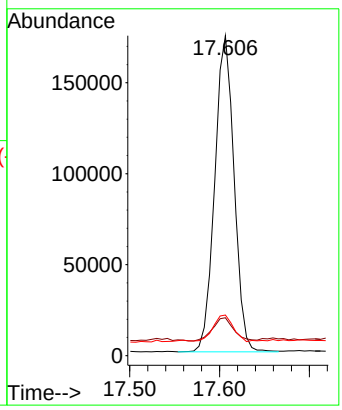


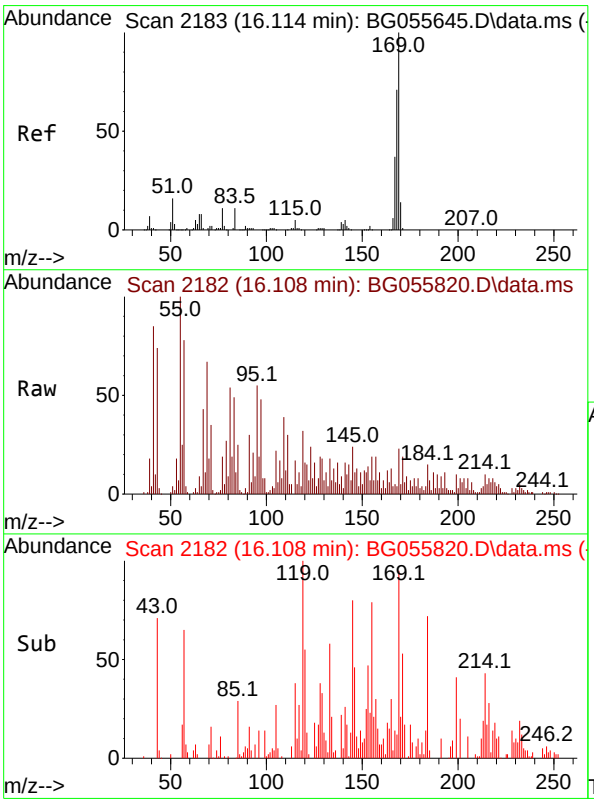

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.606 min Scan# 24
Delta R.T. 0.010 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:188 Resp: 260110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.9 | 5.4 | 8.2# |
| 80 | 12.7 | 6.6 | 10.0# |

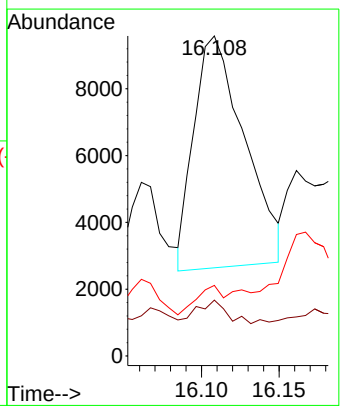


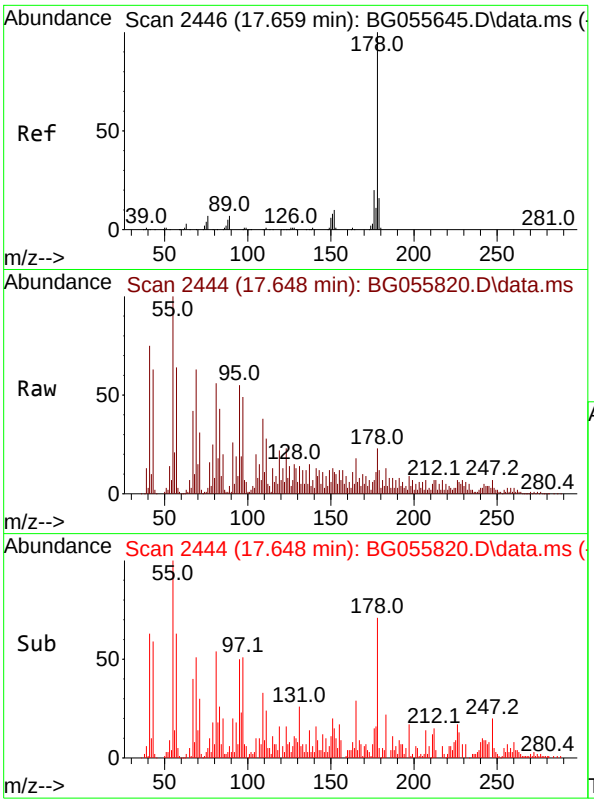




#66
n-Nitrosodiphenylamine
Concen: 2.192 ng
RT: 16.108 min Scan# 2182
Delta R.T. 0.010 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:169 Resp: 15716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 17.4 | 56.6 | 85.0# |
| 167 | 22.1 | 29.9 | 44.9# |



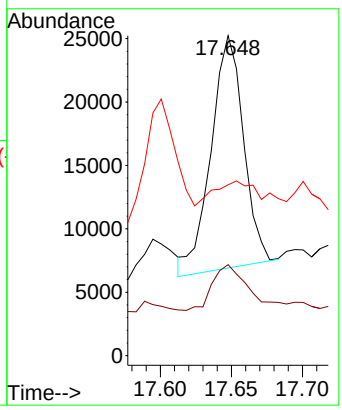


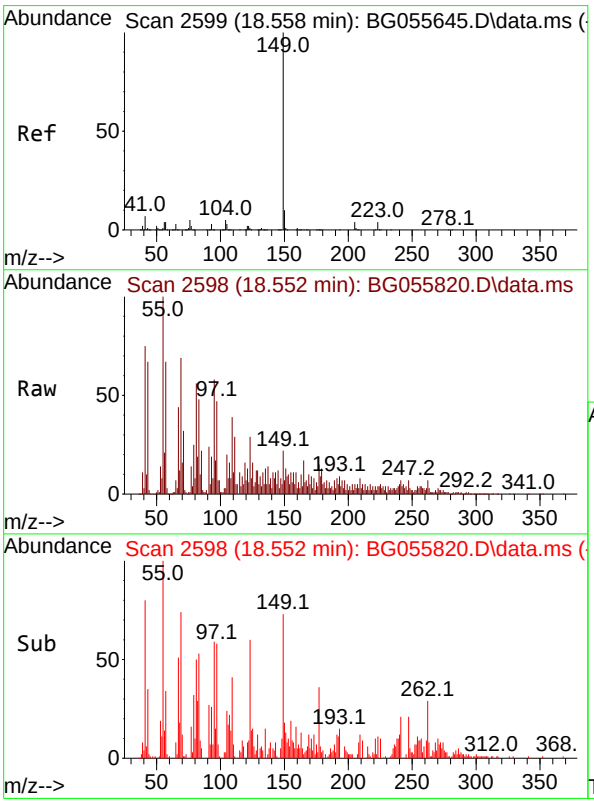

#71
Phenanthrene
Concen: 2.083 ng
RT: 17.648 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:178 Resp: 29244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 28.5 | 16.0 | 24.0# |
| 179 | 53.4 | 12.7 | 19.1# |

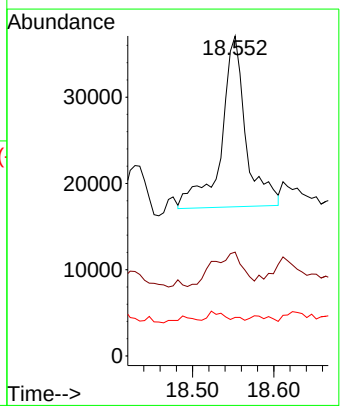


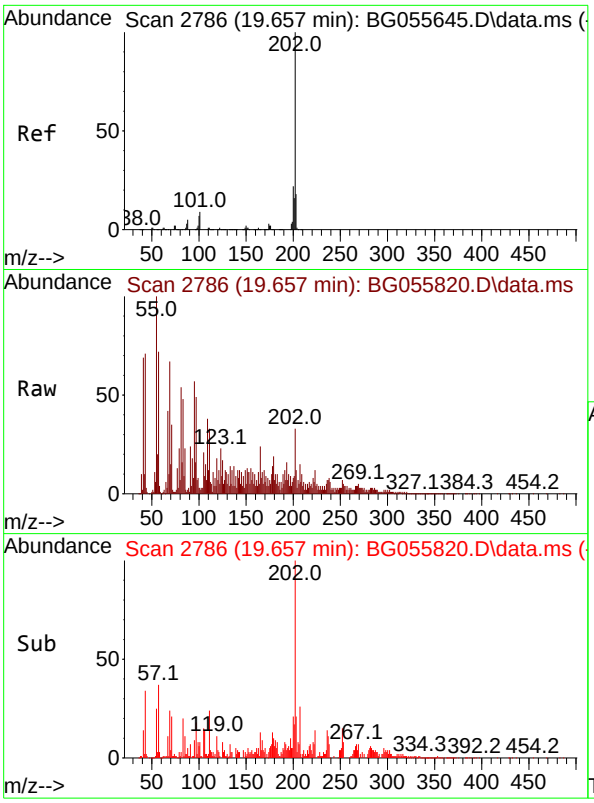




#74
Di-n-butylphthalate
Concen: 2.737 ng
RT: 18.552 min Scan# 2598
Delta R.T. 0.022 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:149 Resp: 41674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 32.4 | 7.8 | 11.6# |
| 104 | 12.1 | 4.0 | 6.0# |



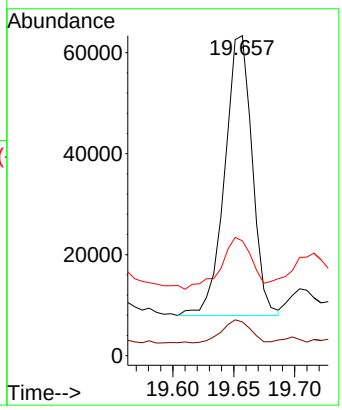


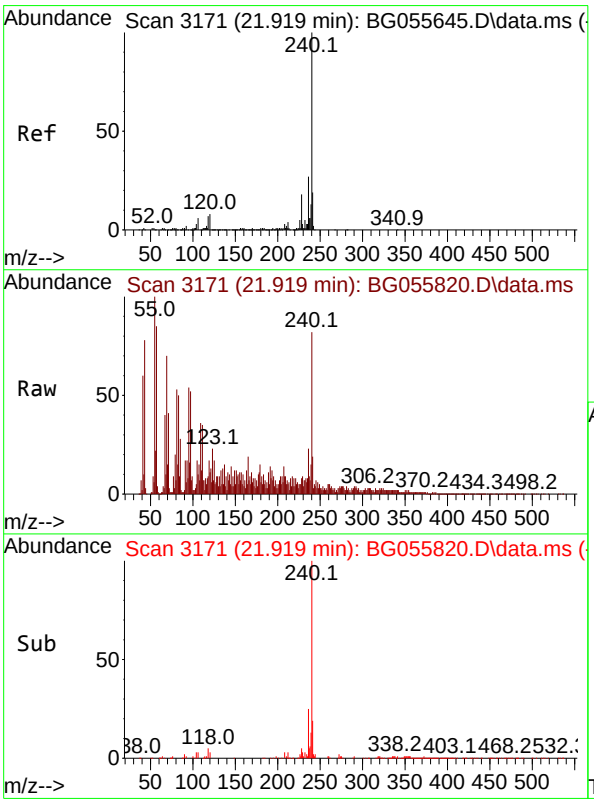

#75
Fluoranthene
Concen: 5.089 ng
RT: 19.657 min Scan# 2
Delta R.T. 0.022 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:202 Resp: 86896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 0.0 | 28.8 |
| 203 | 35.9 | 0.0 | 38.1 |

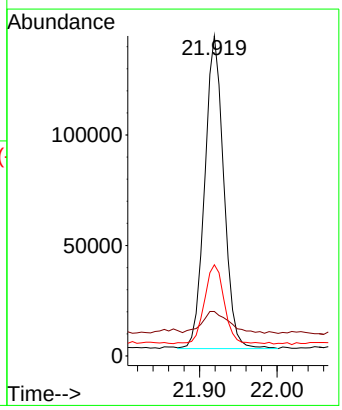


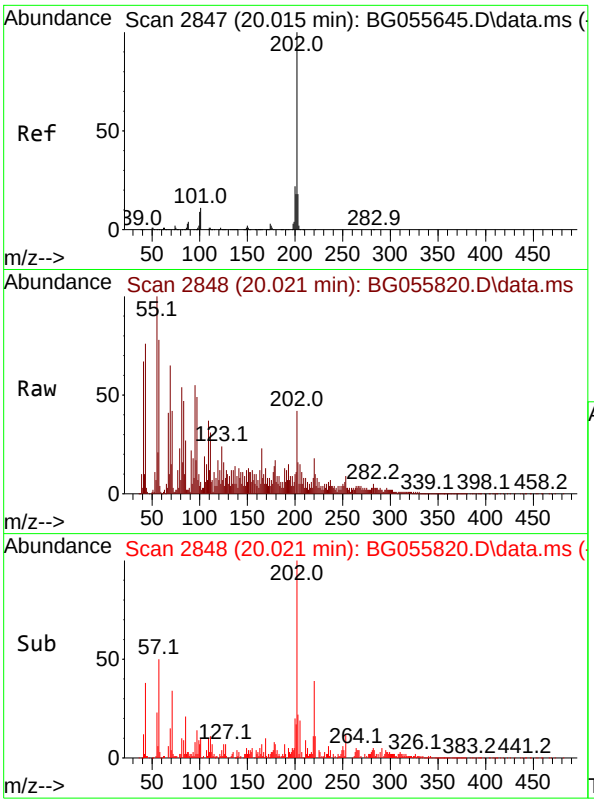




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. 0.027 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:240 Resp: 240601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.9 | 6.3 | 9.5# |
| 236 | 28.5 | 21.9 | 32.9 |



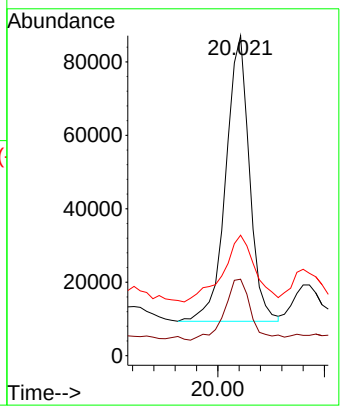


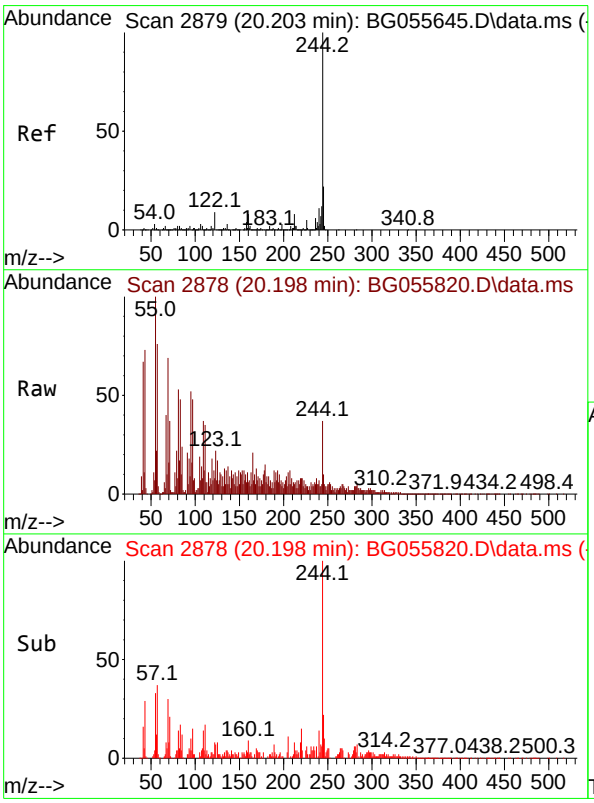

#78
Pyrene
Concen: 7.332 ng
RT: 20.021 min Scan# 2
Delta R.T. 0.022 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:202 Resp: 119404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 23.9 | 17.8 | 26.6 |
| 203 | 37.6 | 14.4 | 21.6# |

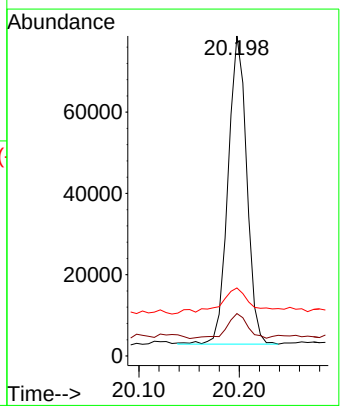


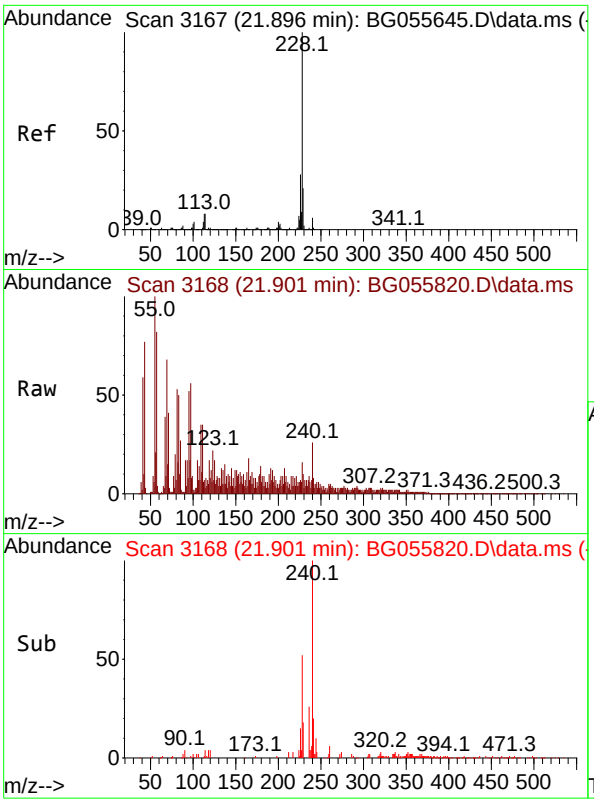




#79
Terphenyl-d14
Concen: 8.129 ng
RT: 20.198 min Scan# 2878
Delta R.T. 0.016 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:244 Resp: 97786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 13.2 | 6.3 | 9.5# |
| 122 | 21.3 | 6.9 | 10.3# |



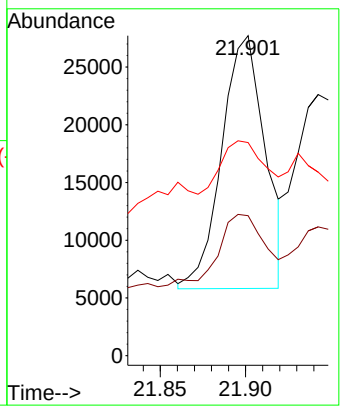


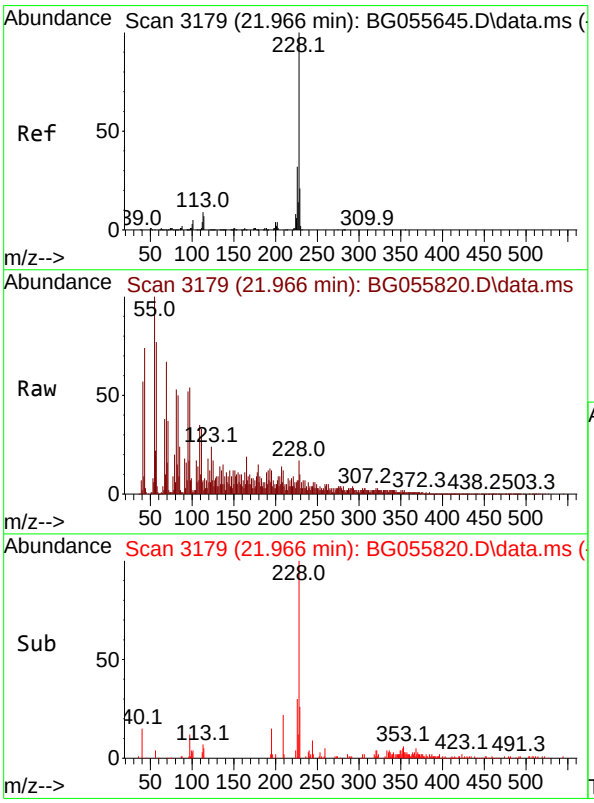

#81
Benzo(a)anthracene
Concen: 2.340 ng
RT: 21.901 min Scan# 3
Delta R.T. 0.027 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:228 Resp: 38777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 43.7 | 22.7 | 34.1# |
| 229 | 66.6 | 16.5 | 24.7# |

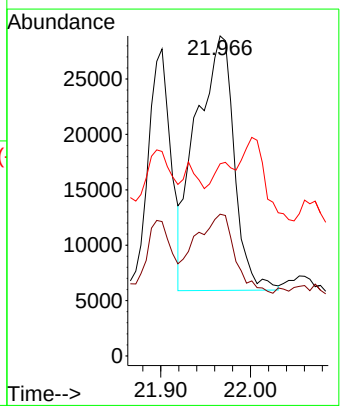


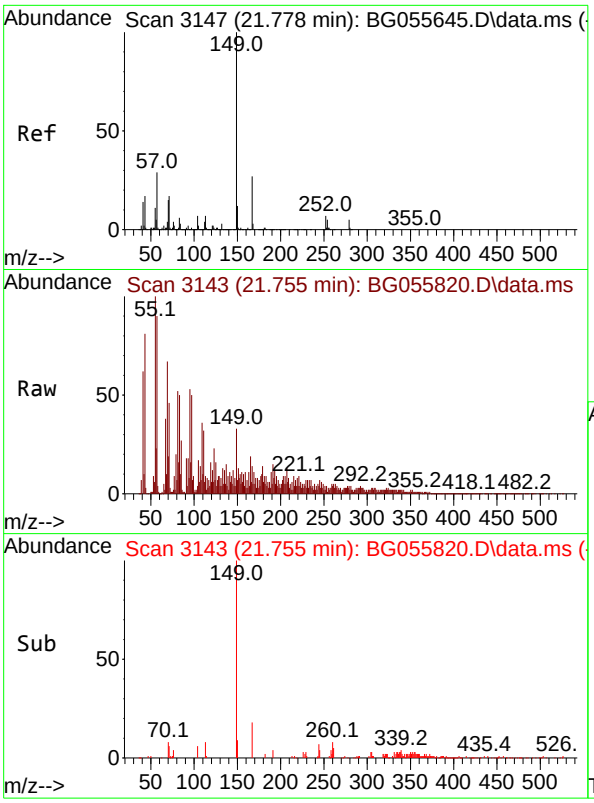




#83
Chrysene
Concen: 4.290 ng
RT: 21.966 min Scan# 3179
Delta R.T. 0.022 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:228 Resp: 67686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 44.3 | 25.4 | 38.2# |
| 229 | 60.0 | 17.1 | 25.7# |



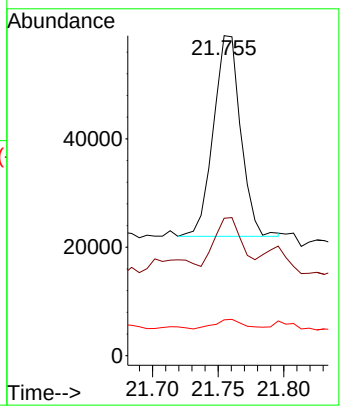


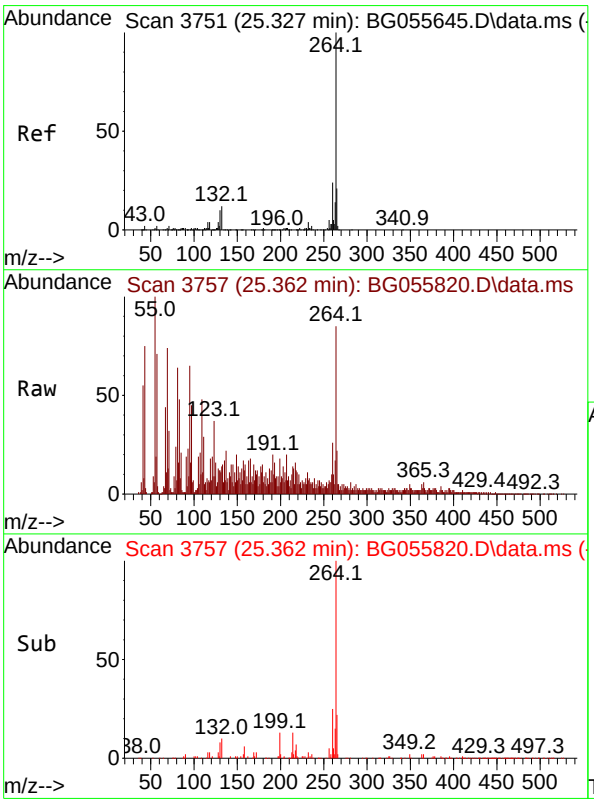

#84
Bis(2-ethylhexyl)phthalate
Concen: 5.829 ng
RT: 21.755 min Scan# 3
Delta R.T. 0.016 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:149 Resp: 53405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 43.0 | 22.0 | 33.0# |
| 279 | 11.2 | 3.7 | 5.5# |

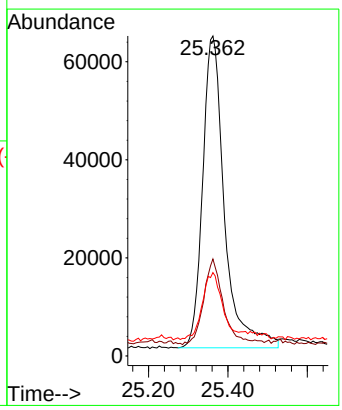


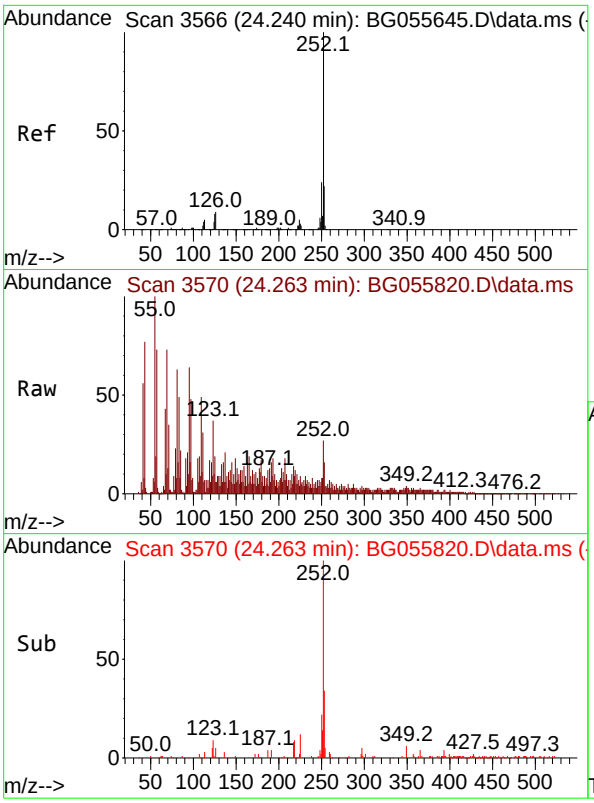




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.362 min Scan# 3757
Delta R.T. 0.074 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:264 Resp: 242542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 30.3 | 19.5 | 29.3# |
| 265 | 26.1 | 17.1 | 25.7# |



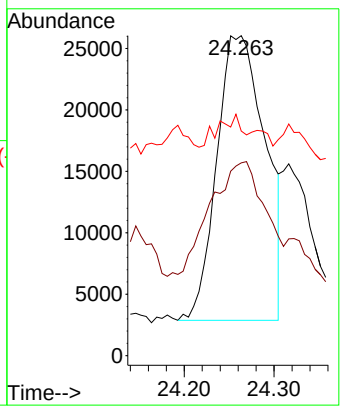


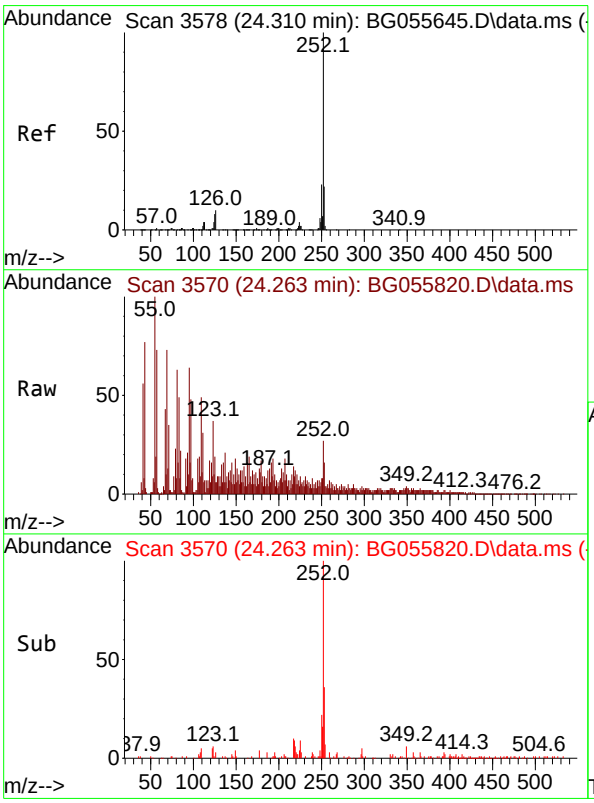

#88
Benzo(b)fluoranthene
Concen: 5.500 ng
RT: 24.263 min Scan# 3
Delta R.T. 0.057 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:252 Resp: 86879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 60.3 | 18.0 | 27.0# |
| 125 | 70.2 | 6.2 | 9.2# |

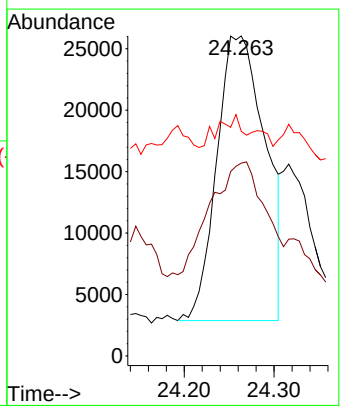


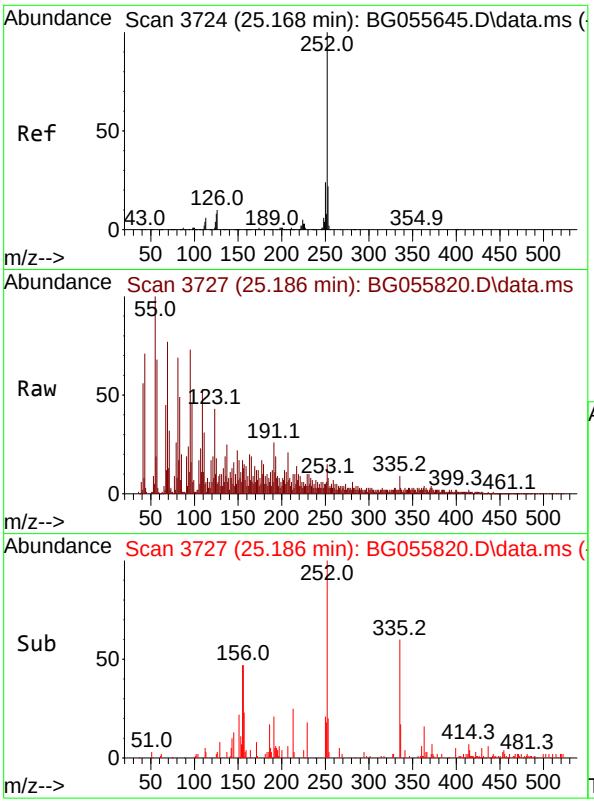




#89
Benzo(k)fluoranthene
Concen: 5.518 ng
RT: 24.263 min Scan# 3570
Delta R.T. -0.014 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

Tgt Ion:252 Resp: 86879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 60.3 | 17.8 | 26.6# |
| 125 | 70.2 | 6.1 | 9.1# |






#90
Benzo(a)pyrene
Concen: 2.654 ng
RT: 25.186 min Scan# 3
Delta R.T. 0.057 min
Lab File: BG055820.D
Acq: 29 Nov 2022 1:20

**Instrument :**
BNA_G
**ClientSampleId :**
B-10S

Tgt Ion:252 Resp: 35974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 54.7 | 17.8 | 26.6# |
| 125 | 120.5 | 6.4 | 9.6# |