Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054551.D
Acq On : 8 Aug 2022 13:19
Operator : CG/JU
Sample : N3960-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-166

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

Quant Time: Aug 08 14:52:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 08 14:48:51 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.979 | 152 | 17580 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.787 | 136 | 65968 | 20.00 | ng | | # 0.00 |
| 39) Acenaphthene-d10 | 14.618 | 164 | 49566 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.362 | 188 | 126806 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.633 | 240 | 141606 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 24.836 | 264 | 149596 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.570 | 112 | 95163 | 113.02 | ng | | 0.00 |
| 7) Phenol-d6 | 7.180 | 99 | 125588 | 108.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.142 | 82 | 87650 | 72.36 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.116 | 330 | 112976 | 108.56 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.237 | 172 | 254480 | 72.43 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.971 | 244 | 551164 | 77.21 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 71) Phenanthrene | 17.403 | 178 | 18500 | 2.93 | ng | | 97 |
| 75) Fluoranthene | 19.418 | 202 | 50578 | 5.88 | ng | | 97 |
| 78) Pyrene | 19.783 | 202 | 68147 | 8.39 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.610 | 228 | 36488m | 4.06 | ng | | |
| 83) Chrysene | 21.675 | 228 | 42385 | 4.99 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.819 | 252 | 53418m | 6.04 | ng | | |
| 89) Benzo(k)fluoranthene | 23.872 | 252 | 20121m | 2.29 | ng | | |
| 90) Benzo(a)pyrene | 24.683 | 252 | 42393 | 5.61 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.671 | 276 | 38350 | 4.15 | ng | # | 90 |

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

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Misc :
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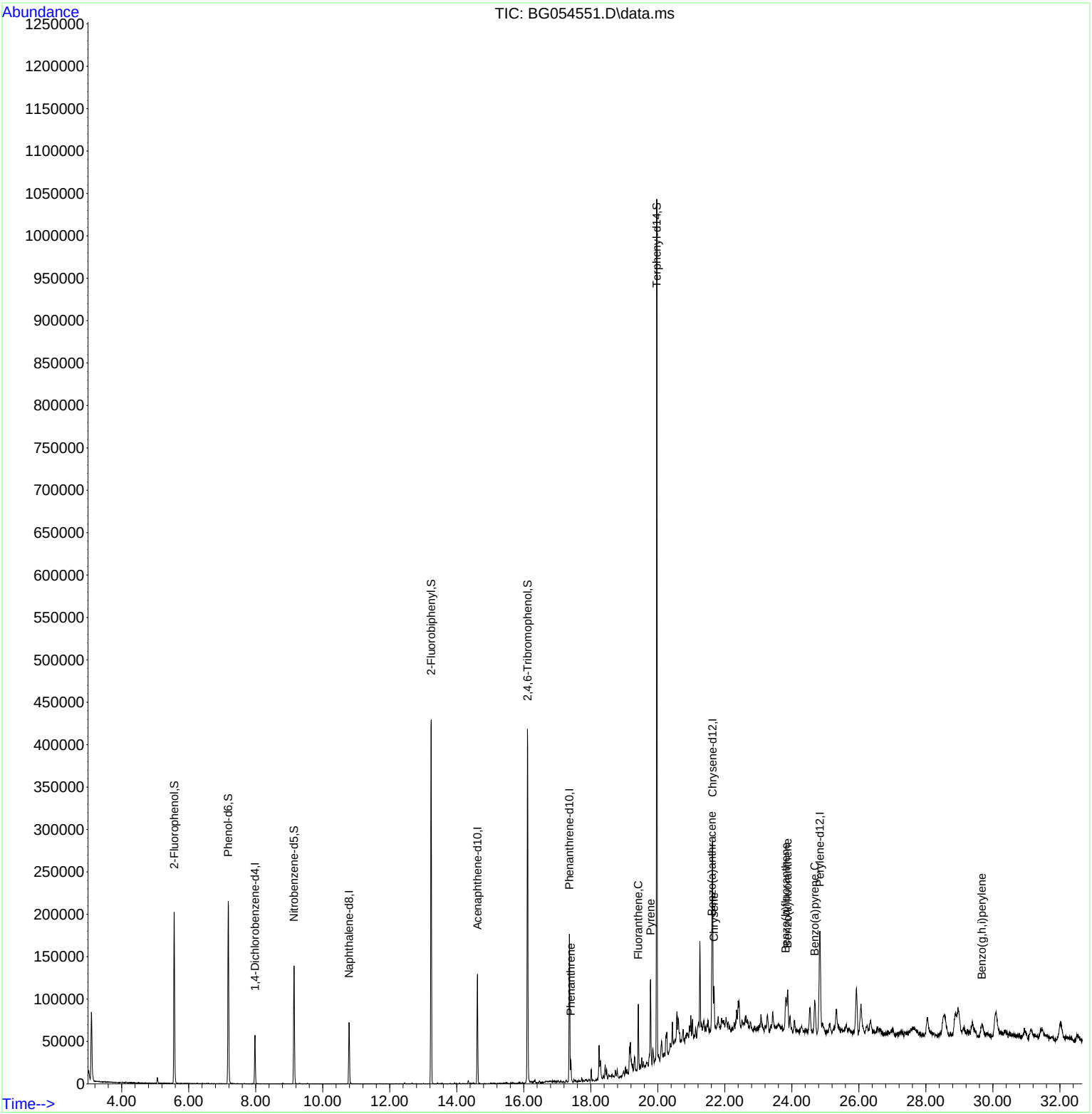
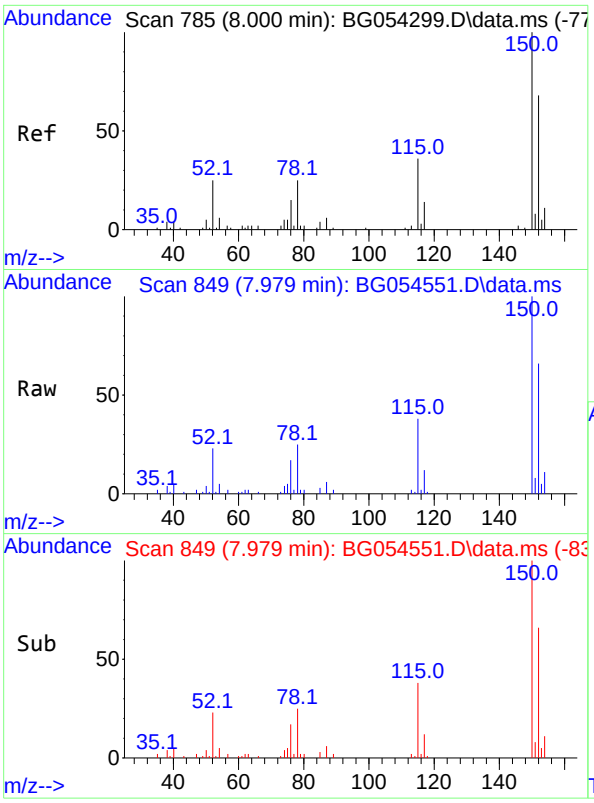
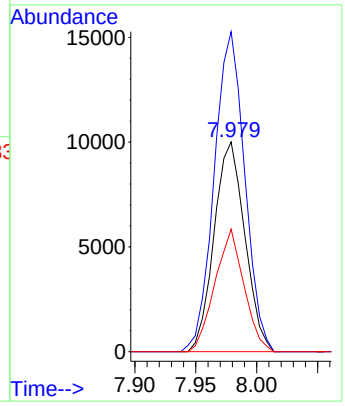





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.979 min Scan# 84
Delta R.T. 0.007 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:152 Resp: 1758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.5 | 131.6 | 197.4 |
| 115 | 58.4 | 50.9 | 76.3 |

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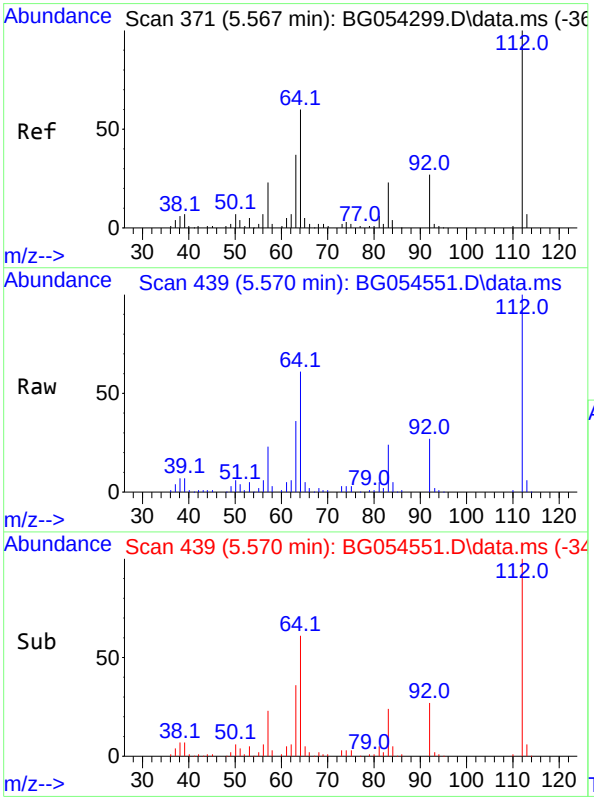
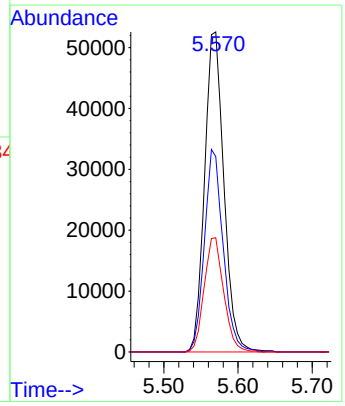
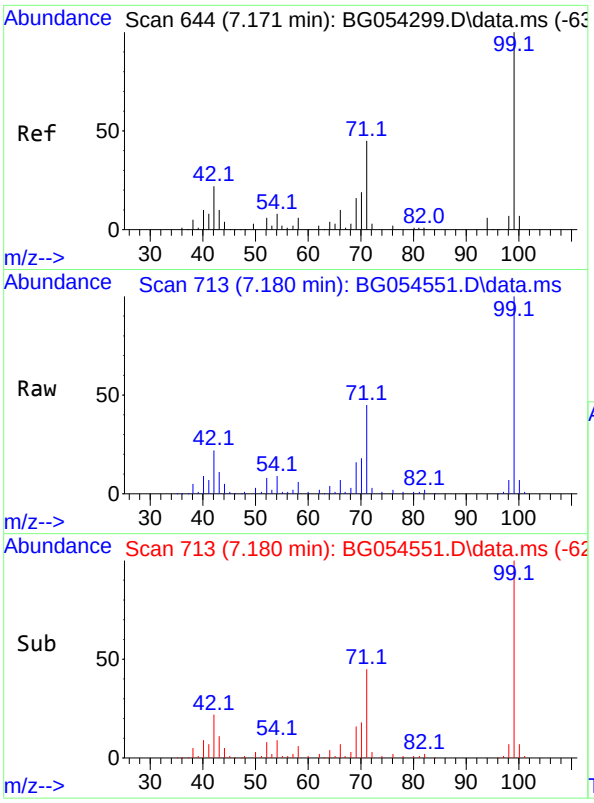



#5
2-Fluorophenol
Concen: 113.02 ng
RT: 5.570 min Scan# 439
Delta R.T. 0.007 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:112 Resp: 95163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.1 | 55.1 | 82.7 |
| 63 | 35.7 | 30.4 | 45.6 |

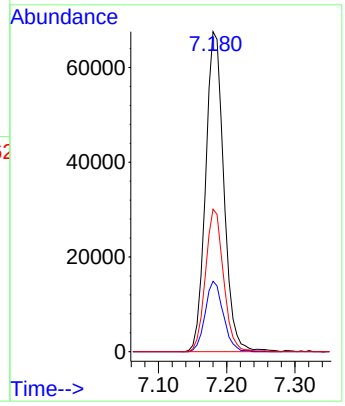





#7
Phenol-d6
Concen: 108.85 ng
RT: 7.180 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion: 99 Resp: 12558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.0 | 17.0 | 25.6 |
| 71 | 44.6 | 33.8 | 50.8 |

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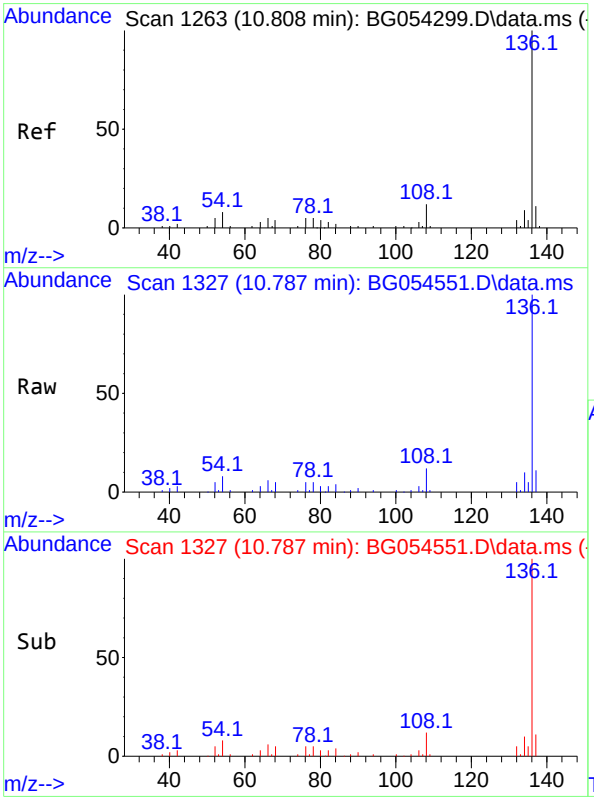
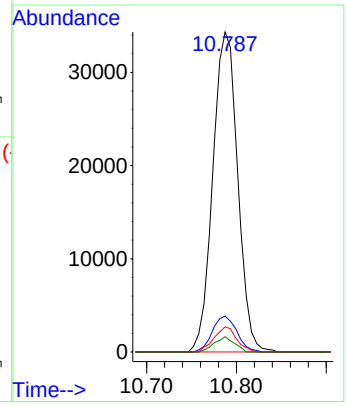
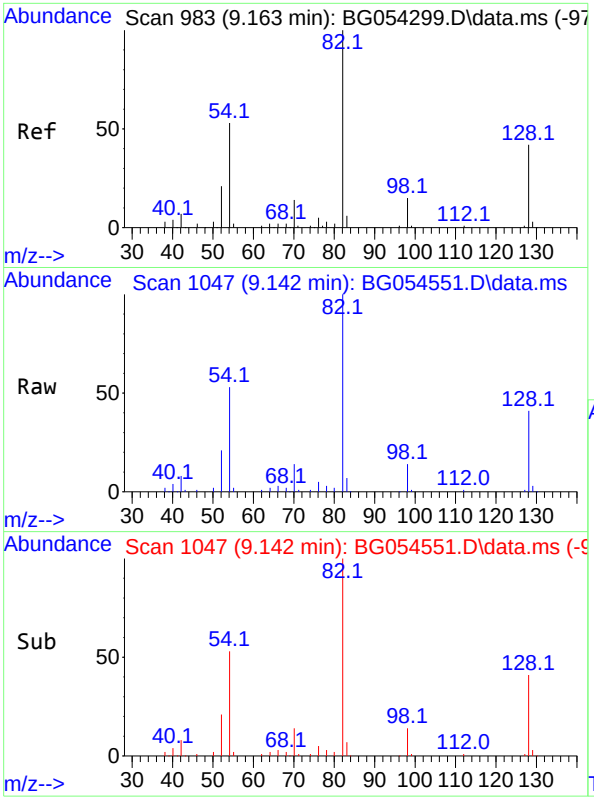



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.787 min Scan# 1327
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:136 Resp: 65968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.5 | 12.7 |
| 54 | 7.9 | 7.4 | 11.2 |
| 68 | 4.8 | 4.9 | 7.3# |

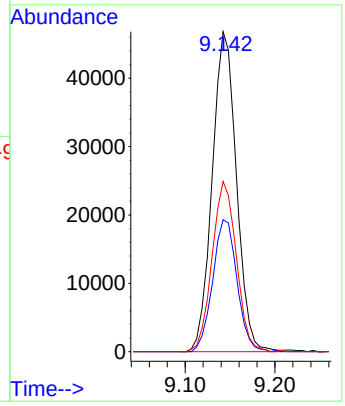





#23
Nitrobenzene-d5
Concen: 72.36 ng
RT: 9.142 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion: 82 Resp: 8765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.3 | 27.9 | 41.9 |
| 54 | 53.2 | 41.2 | 61.8 |




**Instrument :**
BNA_G
**ClientSampleId :**
RVE-166

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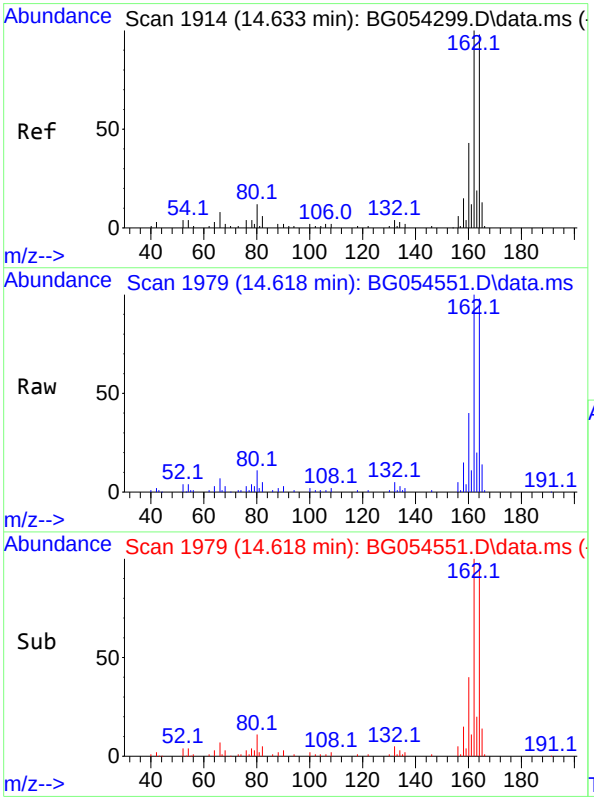
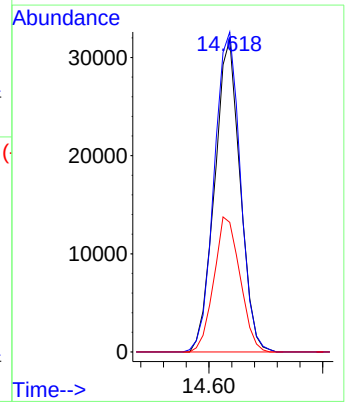
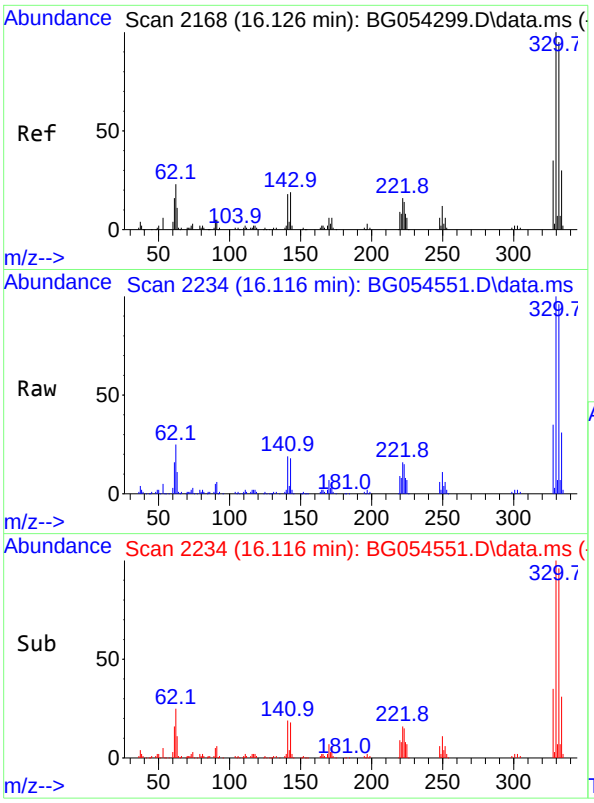



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.618 min Scan# 1979
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:164 Resp: 49566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.3 | 82.3 | 123.5 |
| 160 | 41.4 | 34.2 | 51.2 |

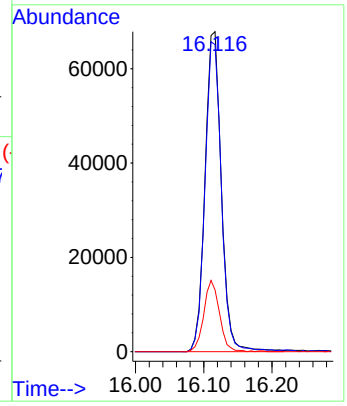





#42
2,4,6-Tribromophenol
Concen: 108.56 ng
RT: 16.116 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:330 Resp: 11297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 76.0 | 114.0 |
| 141 | 21.3 | 27.1 | 40.7# |




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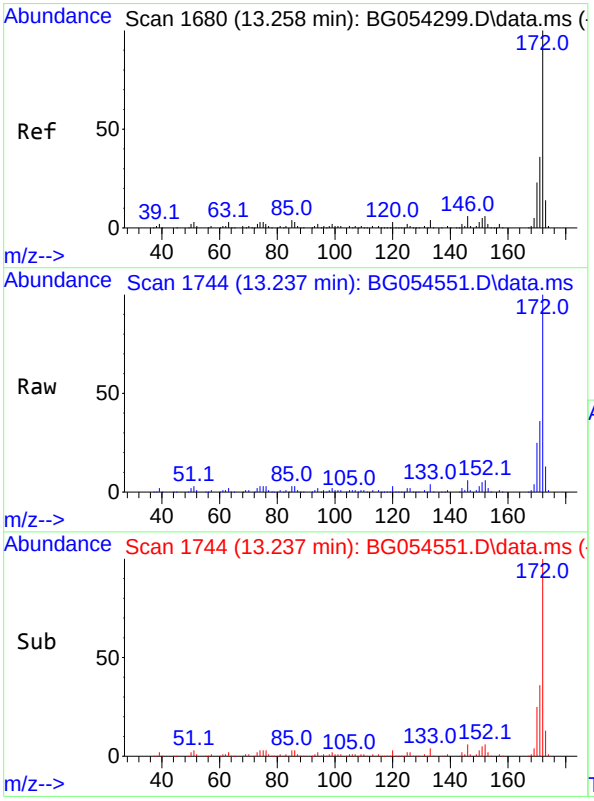
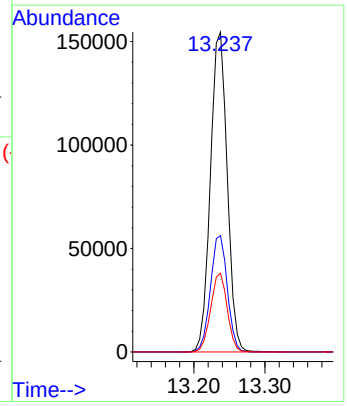
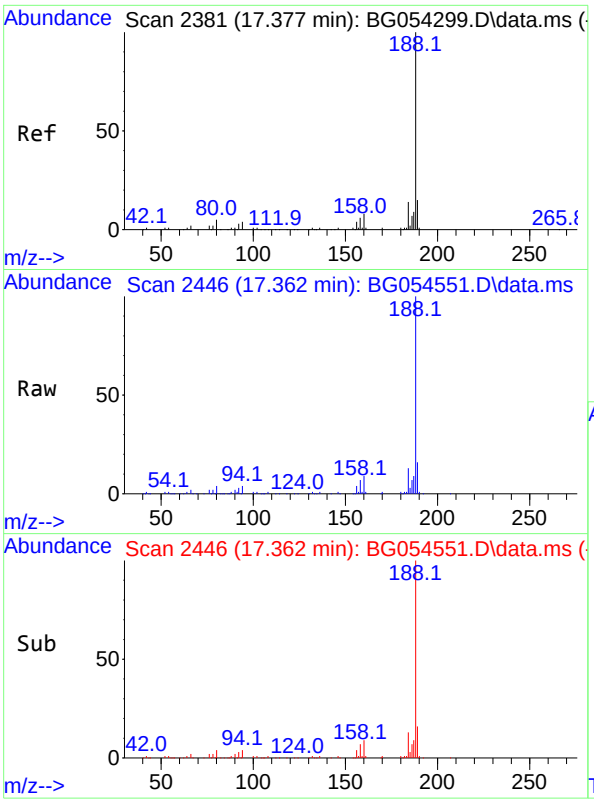



#45
2-Fluorobiphenyl
Concen: 72.43 ng
RT: 13.237 min Scan# 1744
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:172 Resp: 254480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 28.5 | 42.7 |
| 170 | 24.6 | 18.9 | 28.3 |

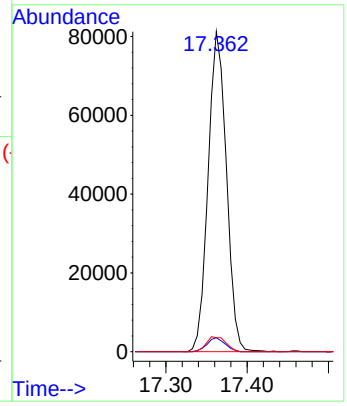





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.362 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:188 Resp: 12680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.4 | 5.4 | 8.0# |
| 80 | 4.4 | 6.8 | 10.2# |

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RVE-166

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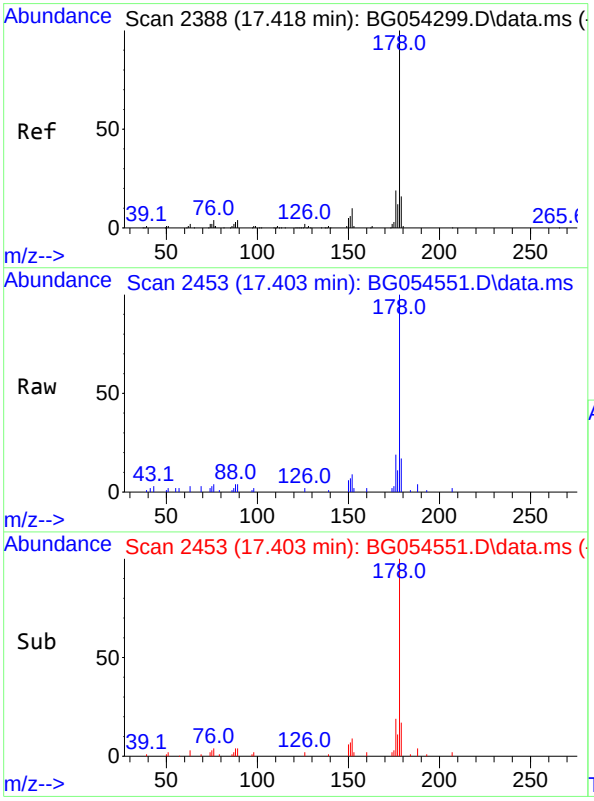
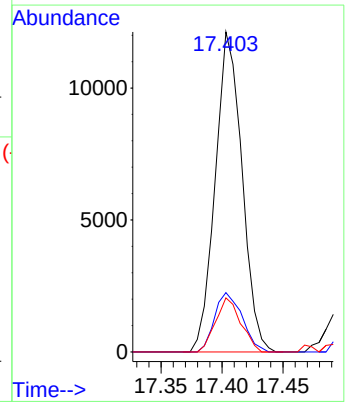
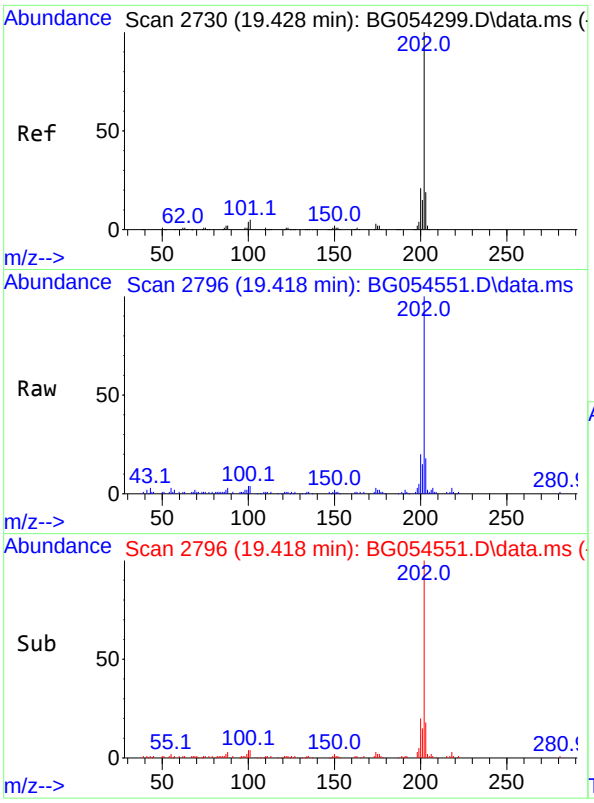



#71
Phenanthrene
Concen: 2.93 ng
RT: 17.403 min Scan# 2453
Delta R.T. -0.005 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:178 Resp: 18500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.1 | 21.1 |
| 179 | 16.9 | 12.1 | 18.1 |






#75
Fluoranthene
Concen: 5.88 ng
RT: 19.418 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:202 Resp: 5057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 4.4 | 0.0 | 26.9 |
| 203 | 18.1 | 0.0 | 37.2 |

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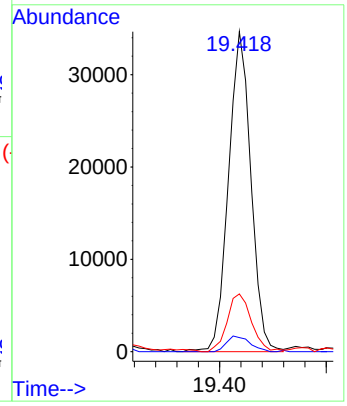
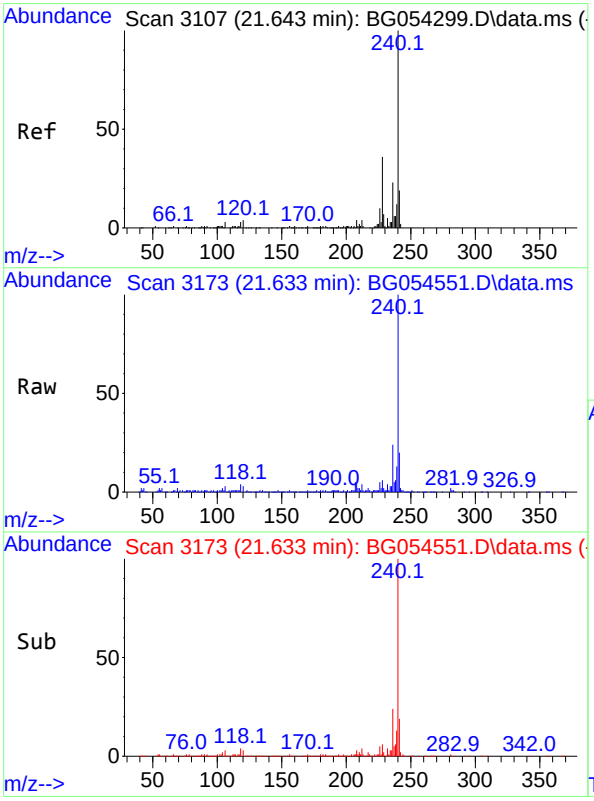
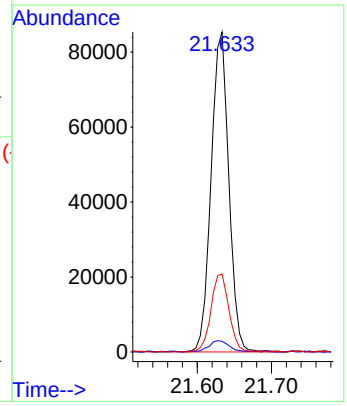


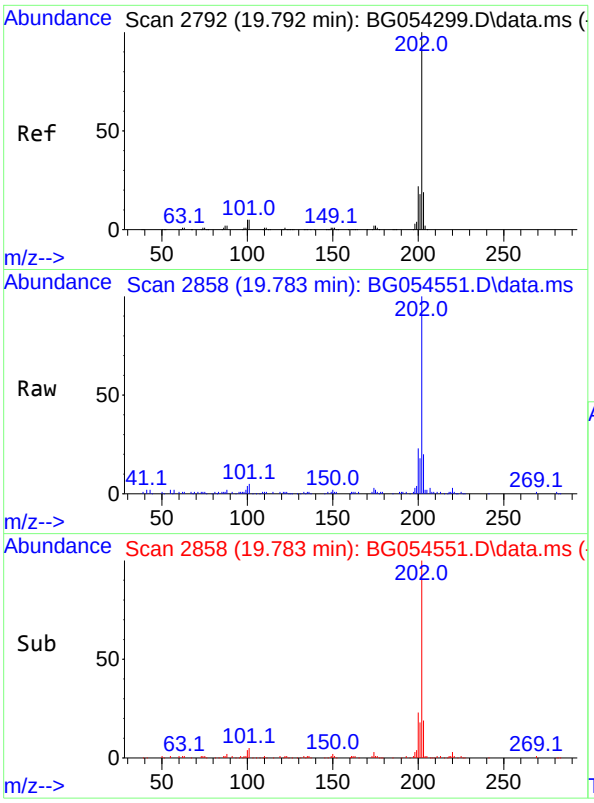




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.633 min Scan# 3173
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:240 Resp: 141606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 3.3 | 4.6 | 7.0# |
| 236 | 24.4 | 20.2 | 30.4 |

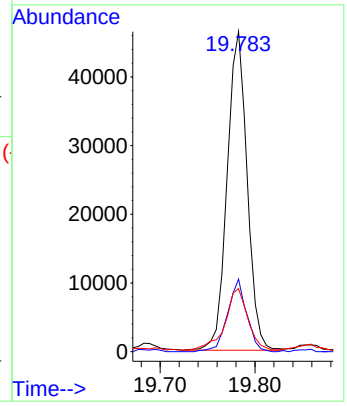





#78
Pyrene
Concen: 8.39 ng
RT: 19.783 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:202 Resp: 6814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.7 | 16.6 | 24.8 |
| 203 | 19.7 | 14.6 | 21.8 |

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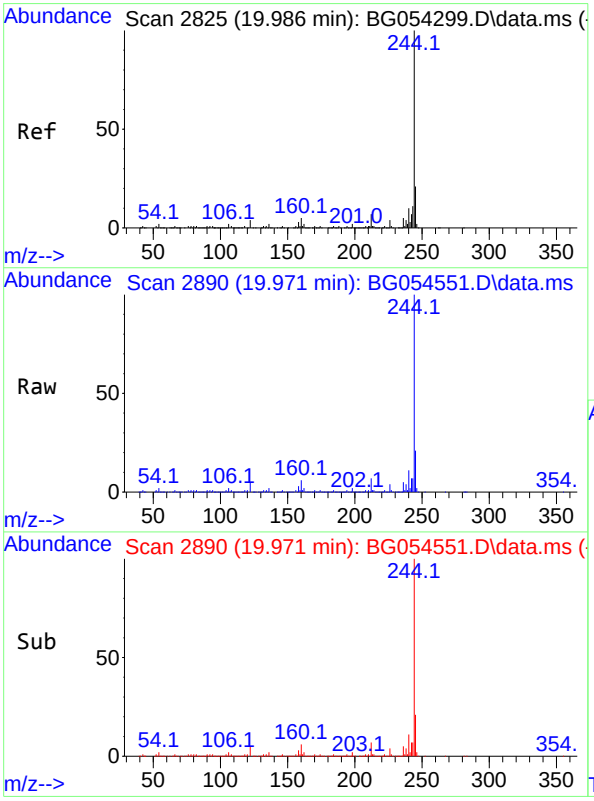
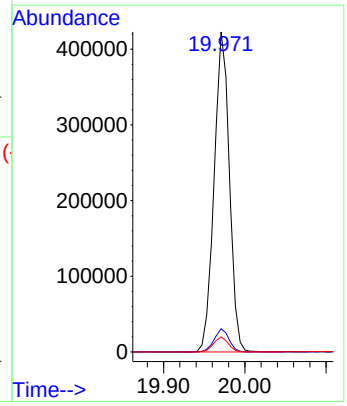
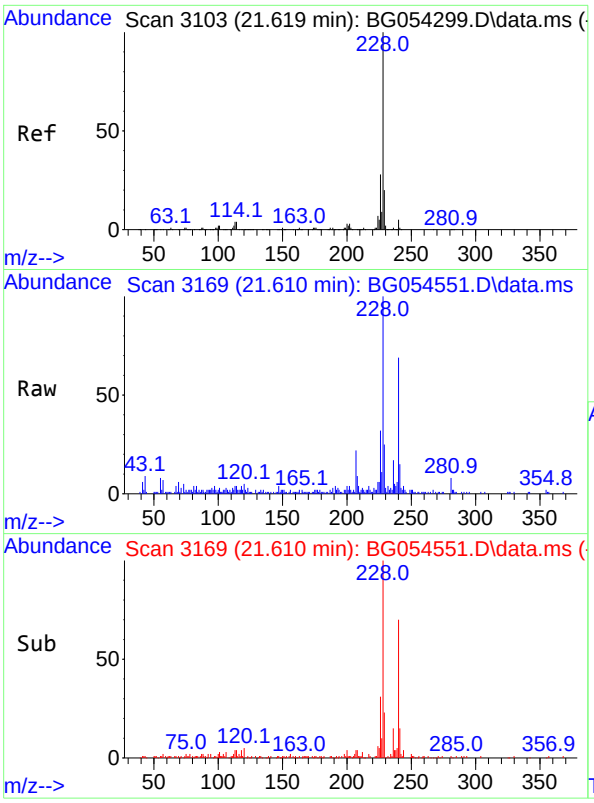



#79
Terphenyl-d14
Concen: 77.21 ng
RT: 19.971 min Scan# 2890
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:244 Resp: 551164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.5 | 9.7 |
| 122 | 4.7 | 5.0 | 7.4# |






#81
Benzo(a)anthracene
Concen: 4.06 ng m
RT: 21.610 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:228 Resp: 3648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.2 | 21.6 | 32.4 |
| 229 | 24.6 | 16.2 | 24.2# |

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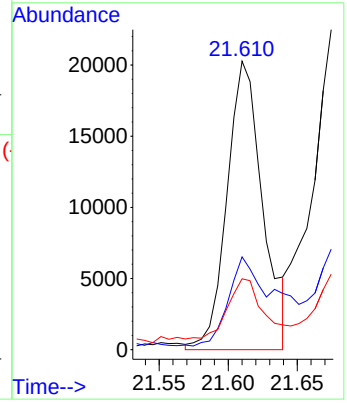
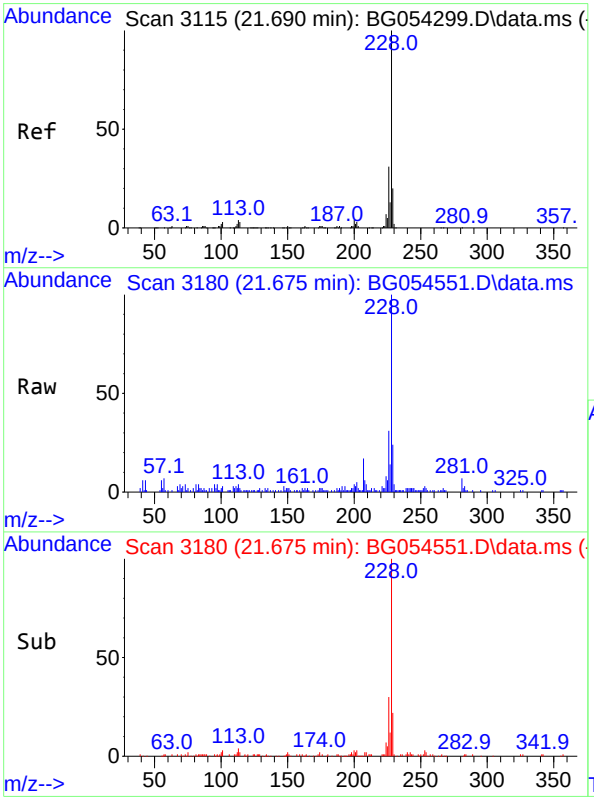
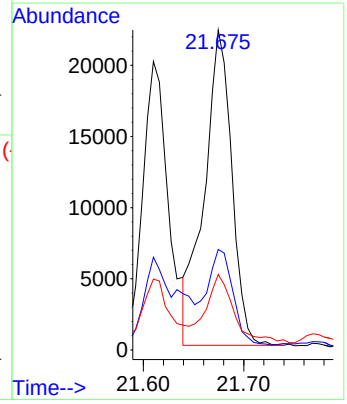


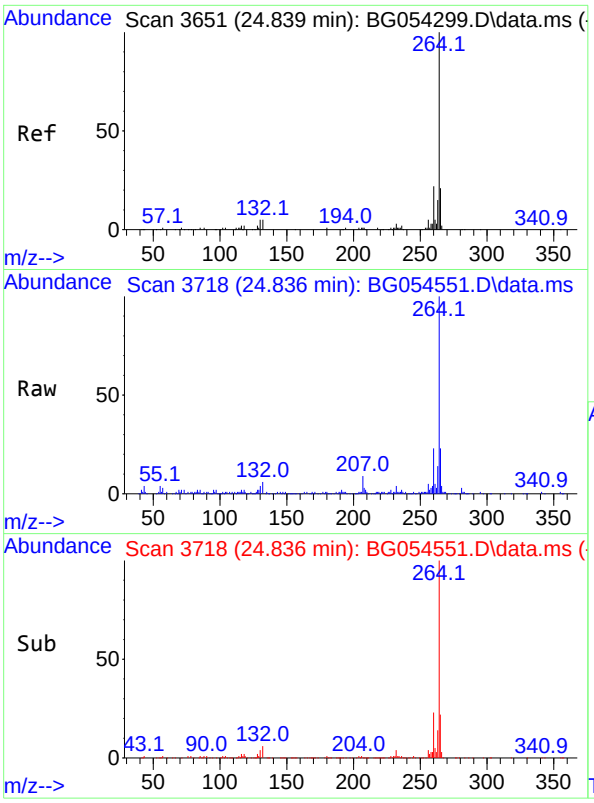




#83
Chrysene
Concen: 4.99 ng
RT: 21.675 min Scan# 3180
Delta R.T. -0.005 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:228 Resp: 42385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.4 | 23.4 | 35.2 |
| 229 | 23.6 | 15.5 | 23.3# |

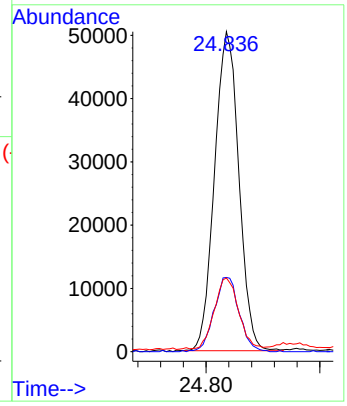





#86
Perylene-d12
Concen: 20.00 ng
RT: 24.836 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:264 Resp: 14959

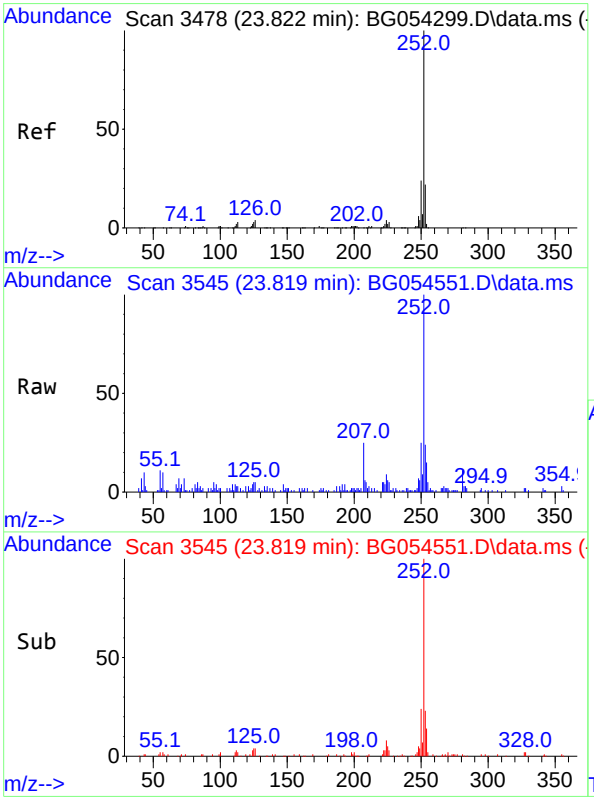
| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 19.0 | 28.6 |
| 265 | 23.0 | 17.4 | 26.2 |




**Instrument :**
BNA_G
**ClientSampleId :**
RVE-166

**Manual Integrations**
**APPROVED**

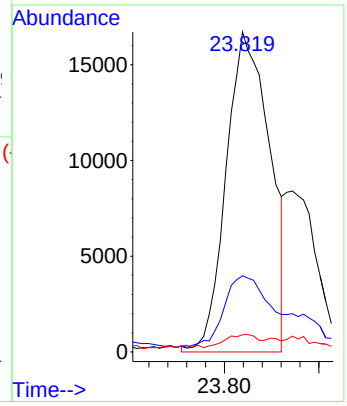
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

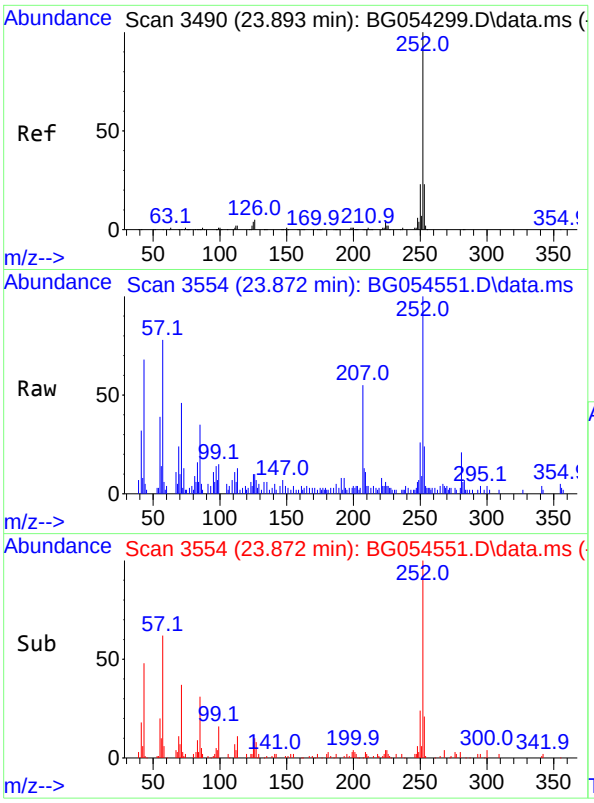



#88
Benzo(b)fluoranthene
Concen: 6.04 ng m
RT: 23.819 min Scan# 3545
Delta R.T. 0.001 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:252 Resp: 53418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.0 | 27.0 |
| 125 | 5.4 | 4.6 | 6.8 |






#89
Benzo(k)fluoranthene
Concen: 2.29 ng m
RT: 23.872 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:252 Resp: 2012

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 18.4 | 27.6 |
| 125 | 9.8 | 4.8 | 7.2 |

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-166

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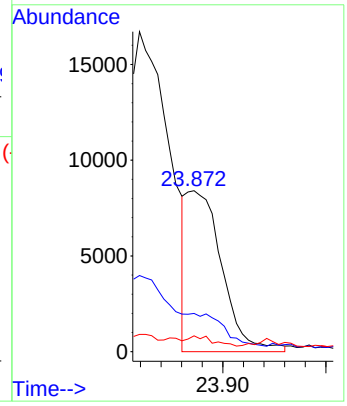
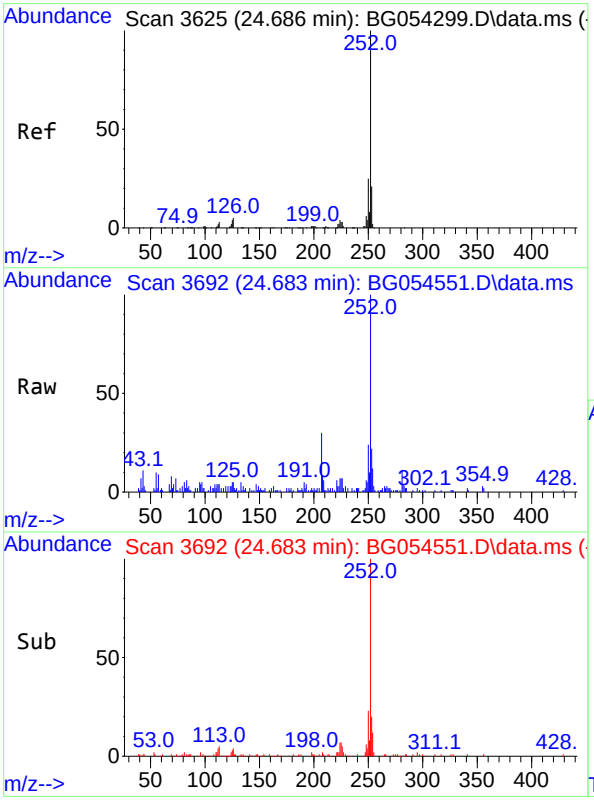
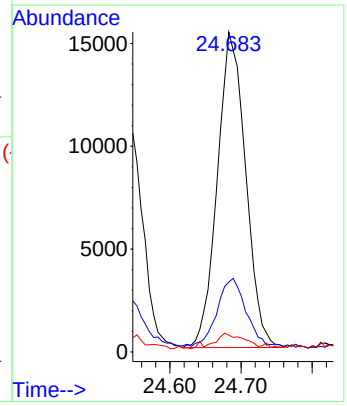


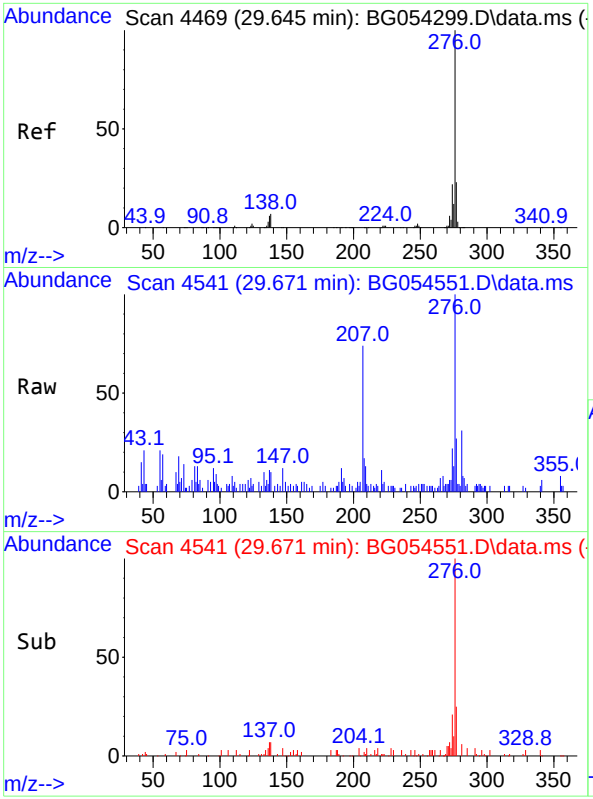




#90
Benzo(a)pyrene
Concen: 5.61 ng
RT: 24.683 min Scan# 3692
Delta R.T. -0.005 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:252 Resp: 42393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.8 | 26.8 |
| 125 | 5.3 | 4.3 | 6.5 |

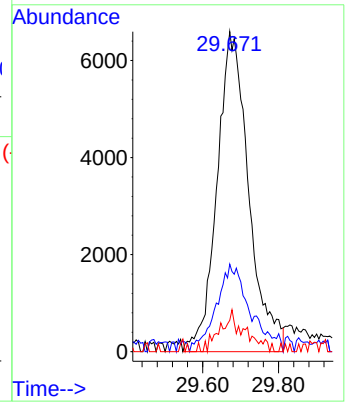





#92
Benzo(g,h,i)perylene
Concen: 4.15 ng
RT: 29.671 min Scan# 4
Delta R.T. -0.005 min
Lab File: BG054551.D
Acq: 8 Aug 2022 13:19

Tgt Ion:276 Resp: 3835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.4 | 17.3 | 25.9# |
| 138 | 9.8 | 9.6 | 14.4 |




**Instrument :**
BNA_G
**ClientSampleId :**
RVE-166

**Manual Integrations**
**APPROVED**

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