Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021225\
Data File : BM049645.D
Acq On : 13 Feb 2025 12:22
Operator : RC/JU
Sample : Q1202-17RE
Misc :
ALS Vial : 35 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
E29B0RE

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 02/19/2025
Supervised By :Jagrut Upadhyay 02/19/2025

Quant Time: Feb 17 13:51:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM021225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 12 16:40:36 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.813 | 152 | 8395 | 0.400 | ng/ul | | 0.00 |
| 4) Naphthalene-d8 | 10.607 | 136 | 35065m | 0.400 | ng/ul | | 0.00 |
| 9) Acenaphthene-d10 | 14.442 | 164 | 89570 | 0.400 | ng/ul | # | 0.00 |
| 13) Phenanthrene-d10 | 17.188 | 188 | 50521m | 0.400 | ng/ul | | 0.00 |
| 17) Chrysene-d12 | 21.368 | 240 | 43771m | 0.400 | ng/ul | | 0.00 |
| 23) Perylene-d12 | 23.653 | 264 | 30927m | 0.400 | ng/ul | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.252 | 96 | 49463 | 5.238 | ng/ul | | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.201 | 152 | 16763m | 0.348 | ng/ul | | 0.00 |
| 18) Fluoranthene-d10 | 19.216 | 212 | 39238m | 0.294 | ng/ul | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 5) Naphthalene | 10.656 | 128 | 107901 | 1.242 | ng/ul | | 99 |
| 7) 2-Methylnaphthalene | 12.273 | 142 | 62113 | 1.098 | ng/ul | | 99 |
| 8) 1-Methylnaphthalene | 12.493 | 142 | 101697 | 1.773 | ng/ul | | 95 |
| 10) Acenaphthylene | 14.174 | 152 | 14055 | 0.037 | ng/ul | # | 43 |
| 11) Acenaphthene | 14.516 | 153 | 59266 | 0.214 | ng/ul | # | 73 |
| 12) Fluorene | 15.497 | 166 | 61435m | 0.194 | ng/ul | | |
| 14) Pentachlorophenol | 16.841 | 266 | 1708m | 0.165 | ng/ul | | |
| 15) Phenanthrene | 17.230 | 178 | 142282m | 1.053 | ng/ul | | |
| 16) Anthracene | 17.323 | 178 | 42651m | 0.345 | ng/ul | | |
| 19) Fluoranthene | 19.244 | 202 | 15538m | 0.086 | ng/ul | | |
| 20) Pyrene | 19.606 | 202 | 8039m | 0.043 | ng/ul | | |

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

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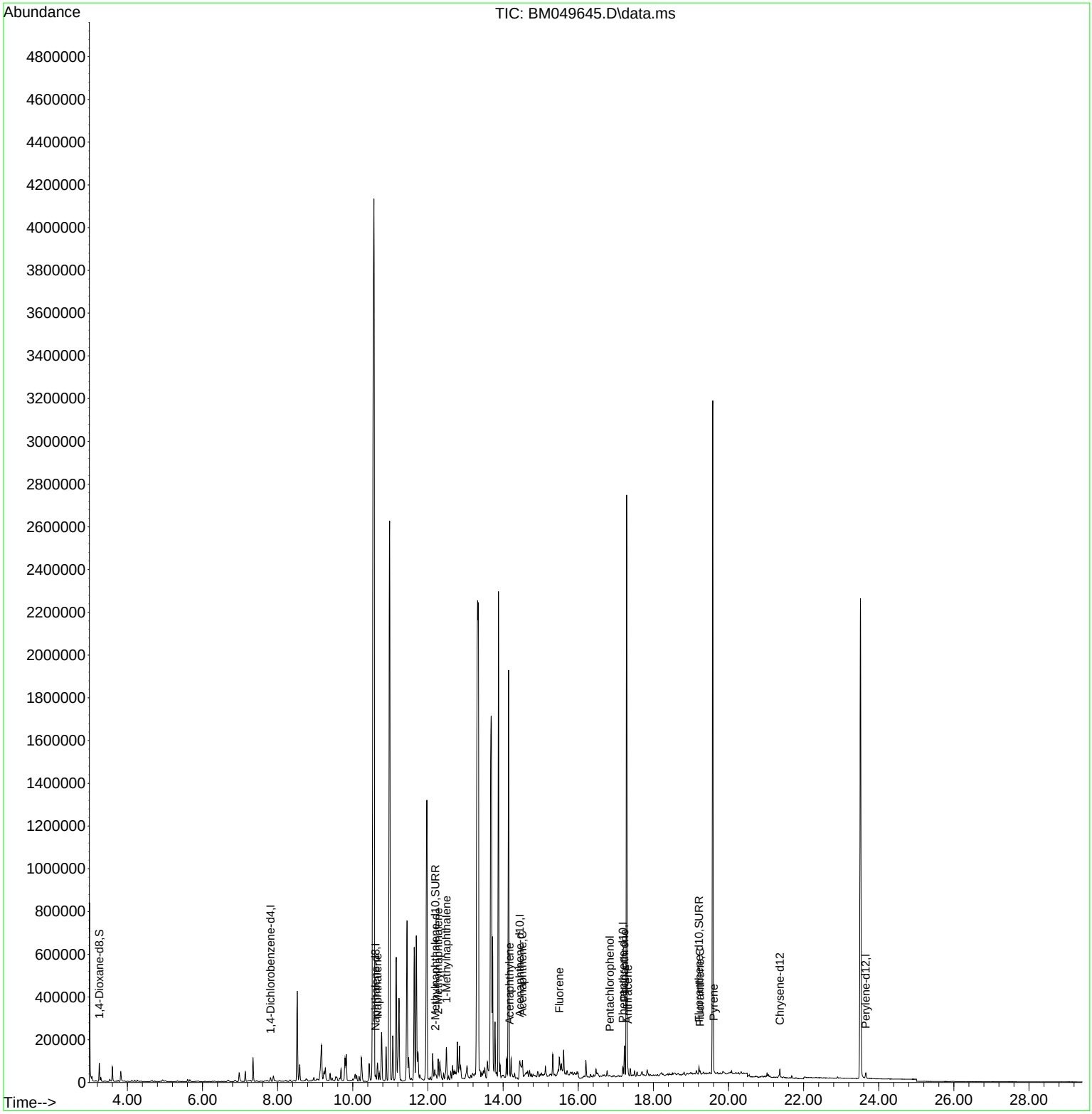

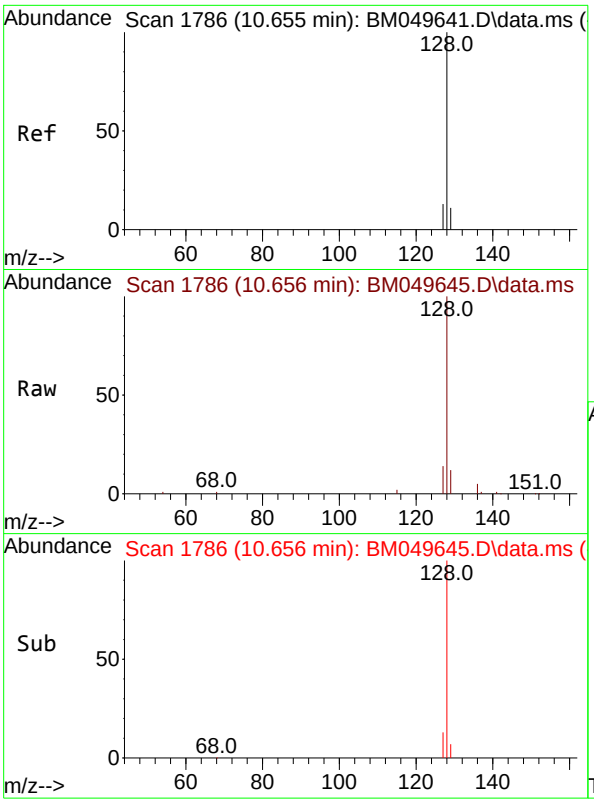


#5
Naphthalene
Concen: 1.242 ng/ul
RT: 10.656 min Scan# 1
Delta R.T. 0.001 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:128 Resp: 10790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.4 | 14.0 |
| 127 | 13.7 | 10.8 | 16.2 |

**Instrument :**
BNA_M
**ClientSampleId :**
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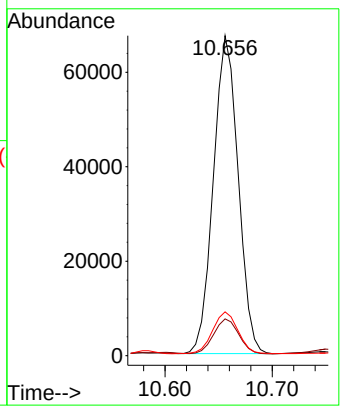
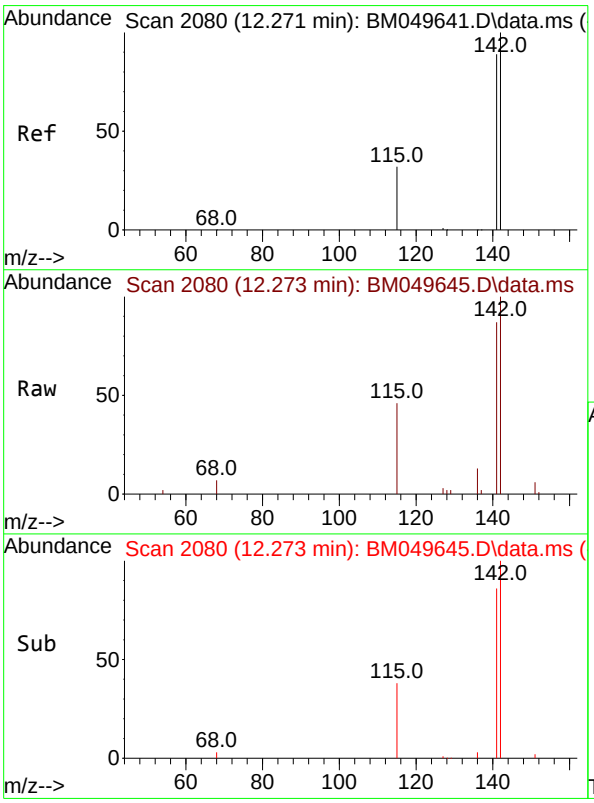
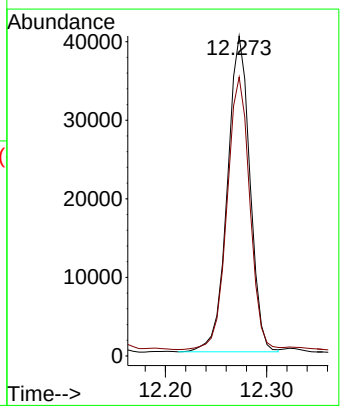


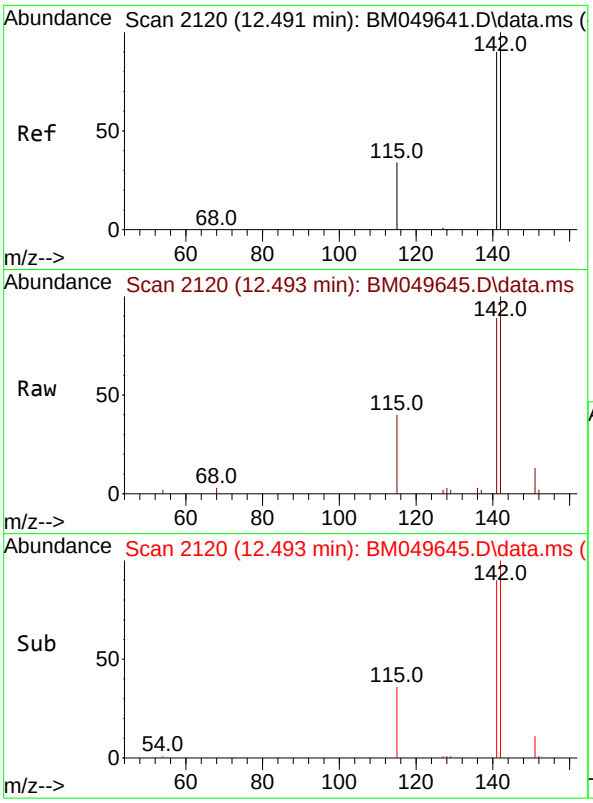




#7
2-Methylnaphthalene
Concen: 1.098 ng/ul
RT: 12.273 min Scan# 2080
Delta R.T. -0.004 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:142 Resp: 62113

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.0 | 106.6 |






#8
1-Methylnaphthalene
Concen: 1.773 ng/ul
RT: 12.493 min Scan# 21
Delta R.T. 0.001 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:142 Resp: 10169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.8 | 73.1 | 109.7 |

**Instrument :**
BNA_M
**ClientSampleId :**
E29B0RE

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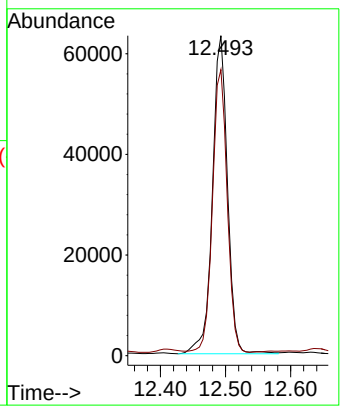
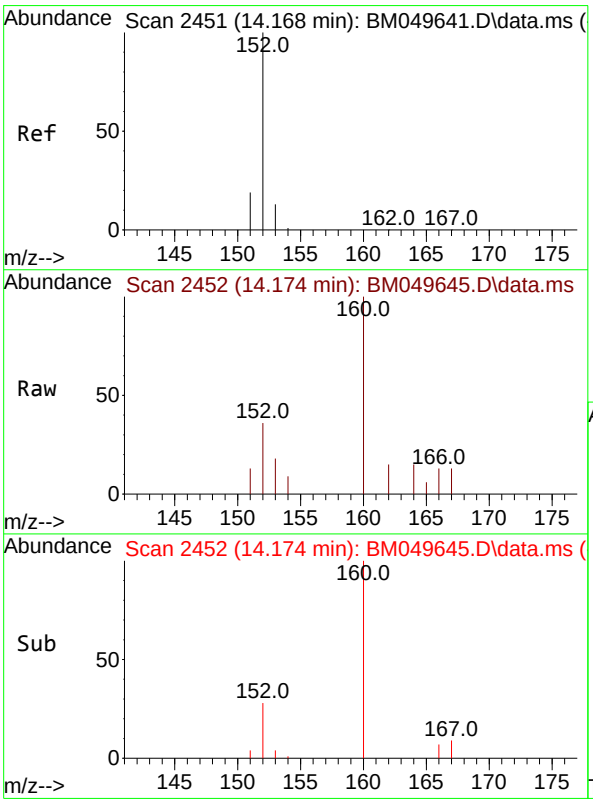
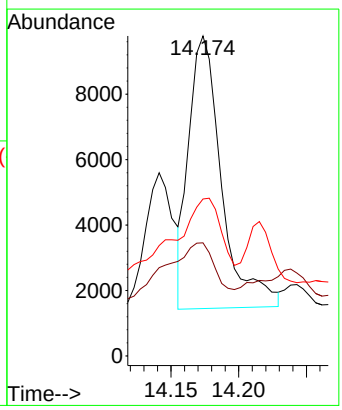


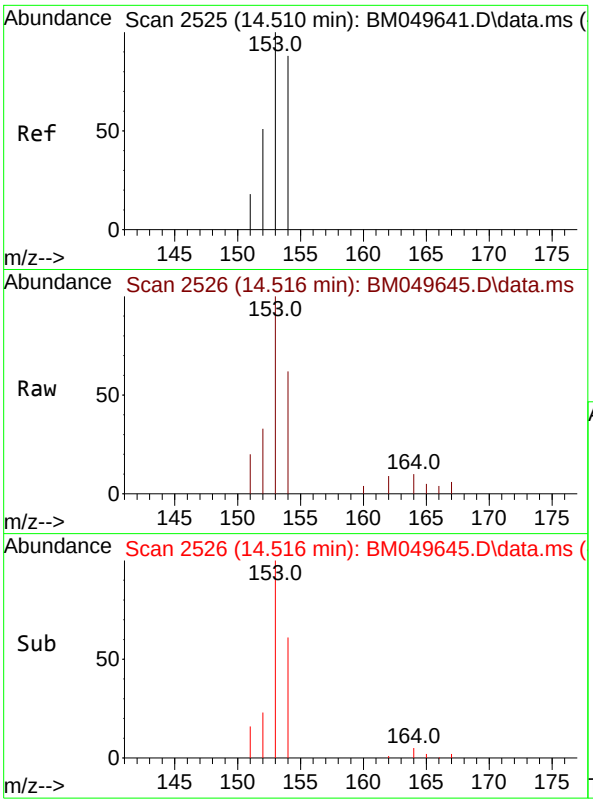




#10
Acenaphthylene
Concen: 0.037 ng/ul
RT: 14.174 min Scan# 2452
Delta R.T. 0.001 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:152 Resp: 14055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 35.4 | 15.8 | 23.6# |
| 153 | 49.1 | 10.5 | 15.7# |

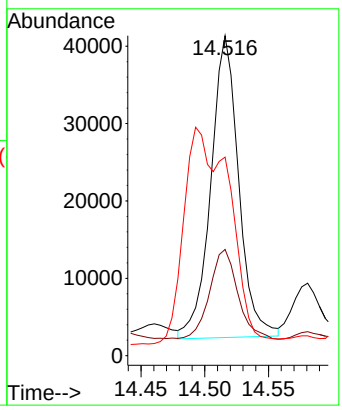





#11
Acenaphthene
Concen: 0.214 ng/ul
RT: 14.516 min Scan# 2
Delta R.T. 0.001 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:153 Resp: 5926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 33.2 | 41.9 | 62.9# |
| 154 | 62.1 | 70.2 | 105.2# |

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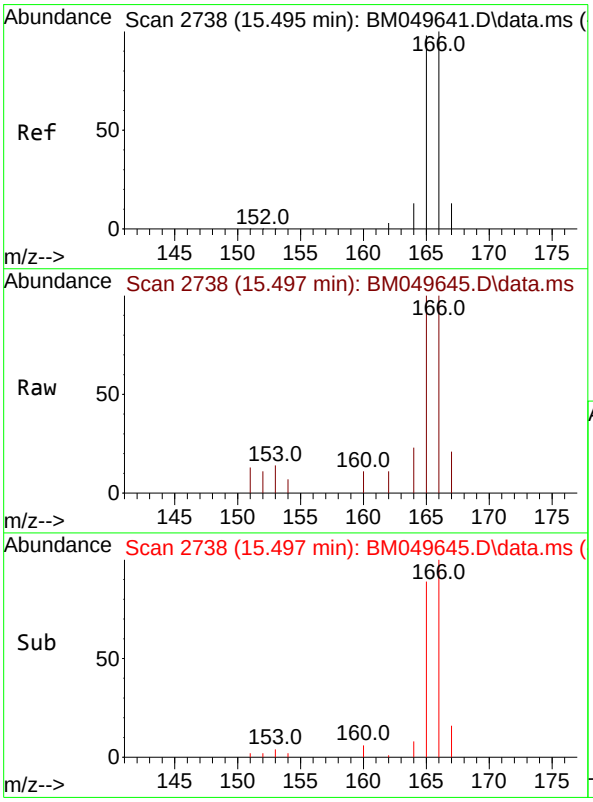
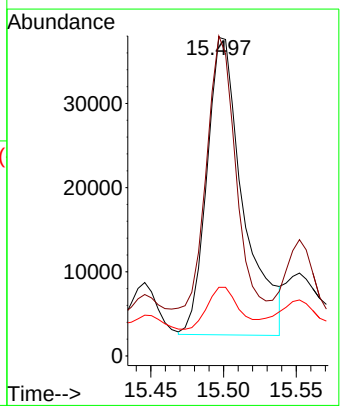
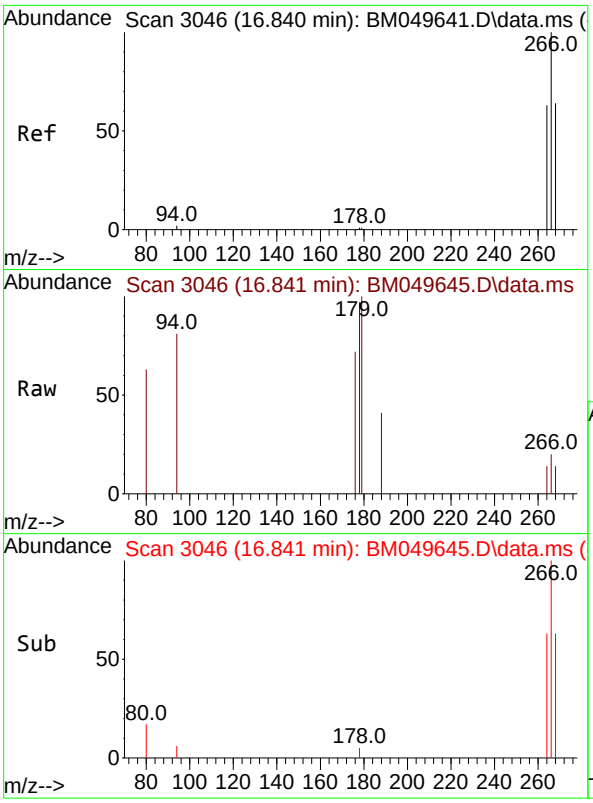



#12
Fluorene
Concen: 0.194 ng/ul m
RT: 15.497 min Scan# 2738
Delta R.T. -0.003 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:166 Resp: 61435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.4 | 79.6 | 119.4 |
| 167 | 21.6 | 11.4 | 17.2# |

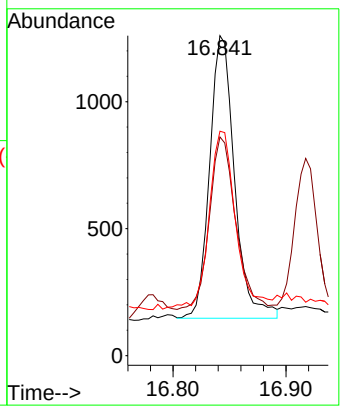





#14
Pentachlorophenol
Concen: 0.165 ng/ul m
RT: 16.841 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:266 Resp: 170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 7.8 | 50.3 | 75.5# |
| 268 | 0.0 | 49.2 | 73.8# |




**Instrument :**
BNA_M
**ClientSampleId :**
E29B0RE

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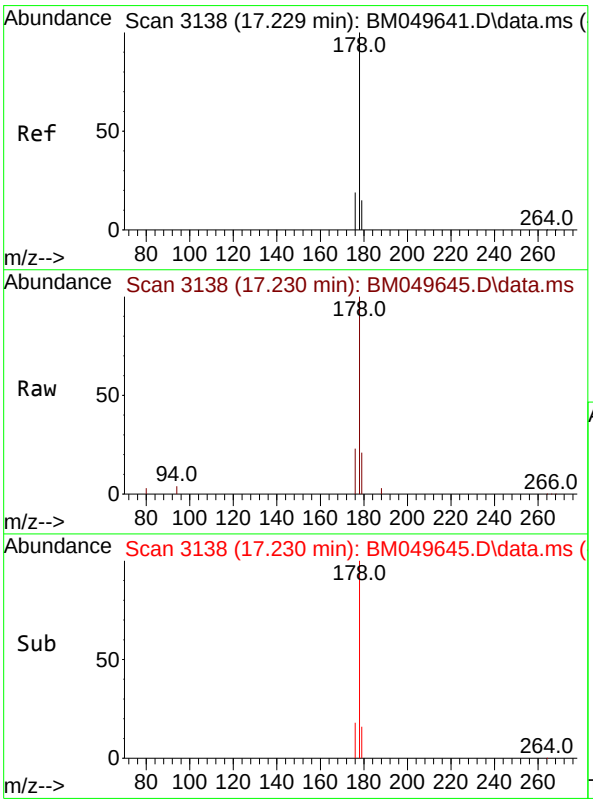
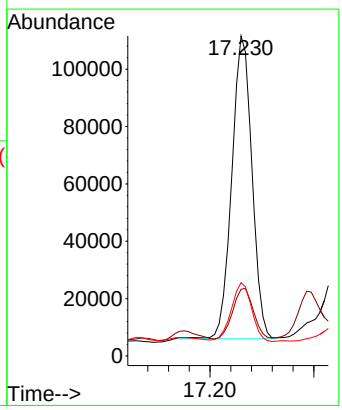
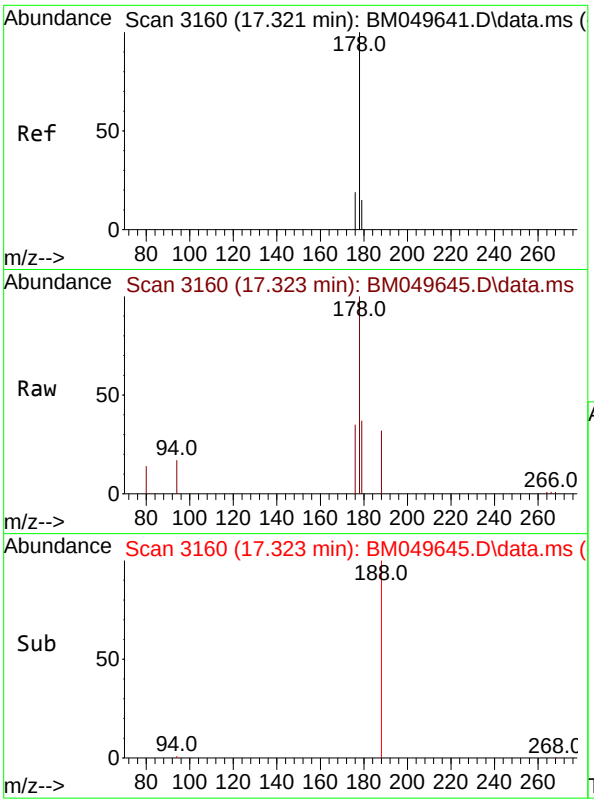



#15
Phenanthrene
Concen: 1.053 ng/ul m
RT: 17.230 min Scan# 3138
Delta R.T. -0.003 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:178 Resp: 142282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.9 | 12.6 | 19.0# |
| 176 | 22.9 | 16.2 | 24.2 |

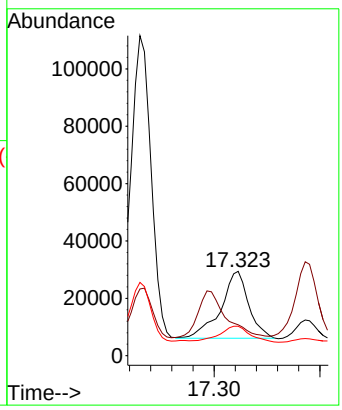





#16
Anthracene
Concen: 0.345 ng/ul m
RT: 17.323 min Scan# 3
Delta R.T. 0.001 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:178 Resp: 4265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 36.7 | 12.9 | 19.3# |
| 176 | 34.9 | 15.8 | 23.6# |

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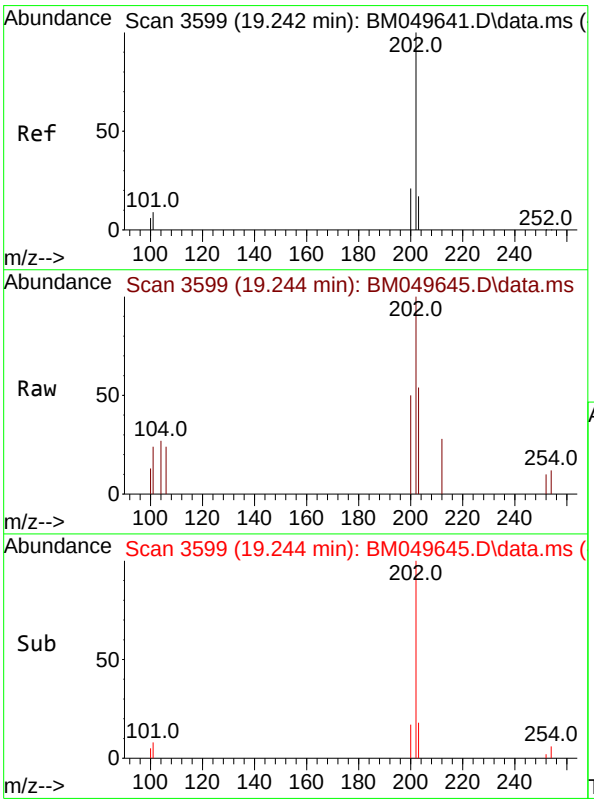
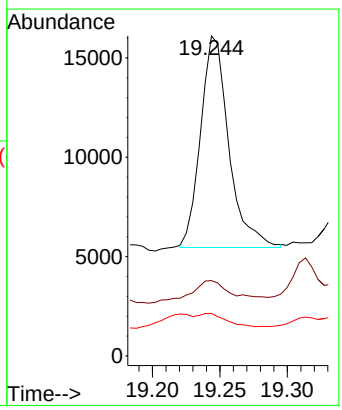
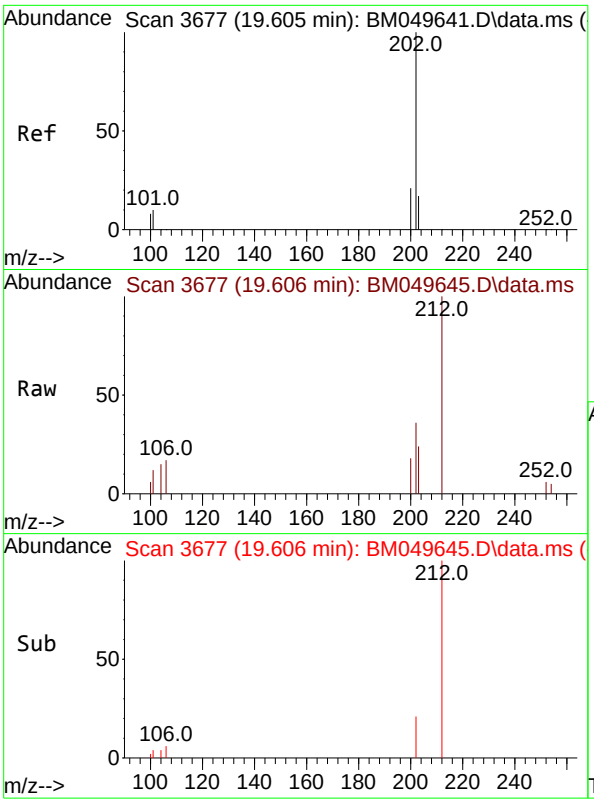



#19
Fluoranthene
Concen: 0.086 ng/ul m
RT: 19.244 min Scan# 3599
Delta R.T. -0.003 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:202 Resp: 15538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 23.5 | 6.7 | 10.1# |
| 100 | 13.3 | 5.0 | 7.4# |

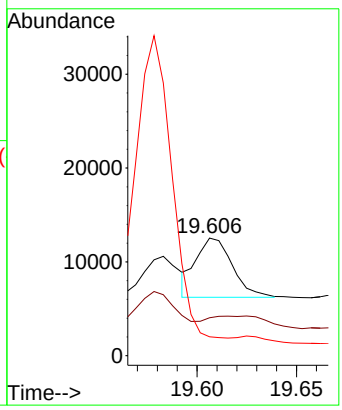





#20
Pyrene
Concen: 0.043 ng/ul m
RT: 19.606 min Scan# 3
Delta R.T. -0.003 min
Lab File: BM049645.D
Acq: 13 Feb 2025 12:22

Tgt Ion:202 Resp: 803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 32.2 | 7.5 | 11.3# |
| 100 | 16.1 | 6.3 | 9.5# |

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