Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM030923\
Data File : BM038980.D
Acq On : 10 Mar 2023 14:26
Operator : CG/JU
Sample : 01784-07DL 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Quant Time: Mar 10 23:15:50 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM030323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 09 13:36:03 2023
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DCAD9DL

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 03/13/2023
Supervised By :Jagrut Upadhyay 03/13/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.991 | 152 | 7891 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.804 | 136 | 28105 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.627 | 164 | 17235 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.369 | 188 | 36096 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.550 | 240 | 27893 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.997 | 264 | 23818 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.375 | 96 | 8108 | 0.908 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.388 | 152 | 2640 | 0.078 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.392 | 212 | 5929 | 0.089 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.854 | 128 | 647887 | 9.642 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 12.459 | 142 | 10688 | 0.262 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.679 | 142 | 132806 | 3.105 | ng/ul | 99 |
| 10) Acenaphthylene | 14.349 | 152 | 36958 | 0.590 | ng/ul | 97 |
| 11) Acenaphthene | 14.691 | 153 | 845081 | 16.396 | ng/ul | 94 |
| 12) Fluorene | 15.672 | 166 | 158751 | 2.728 | ng/ul | 99 |
| 14) Pentachlorophenol | 17.018 | 266 | 279 | 0.032 | ng/ul | 98 |
| 15) Phenanthrene | 17.411 | 178 | 610775 | 6.401 | ng/ul | 99 |
| 16) Anthracene | 17.504 | 178 | 53578 | 0.682 | ng/ul | 100 |
| 19) Fluoranthene | 19.425 | 202 | 43951 | 0.465 | ng/ul | 99 |
| 20) Pyrene | 19.787 | 202 | 24649m | 0.254 | ng/ul | |

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

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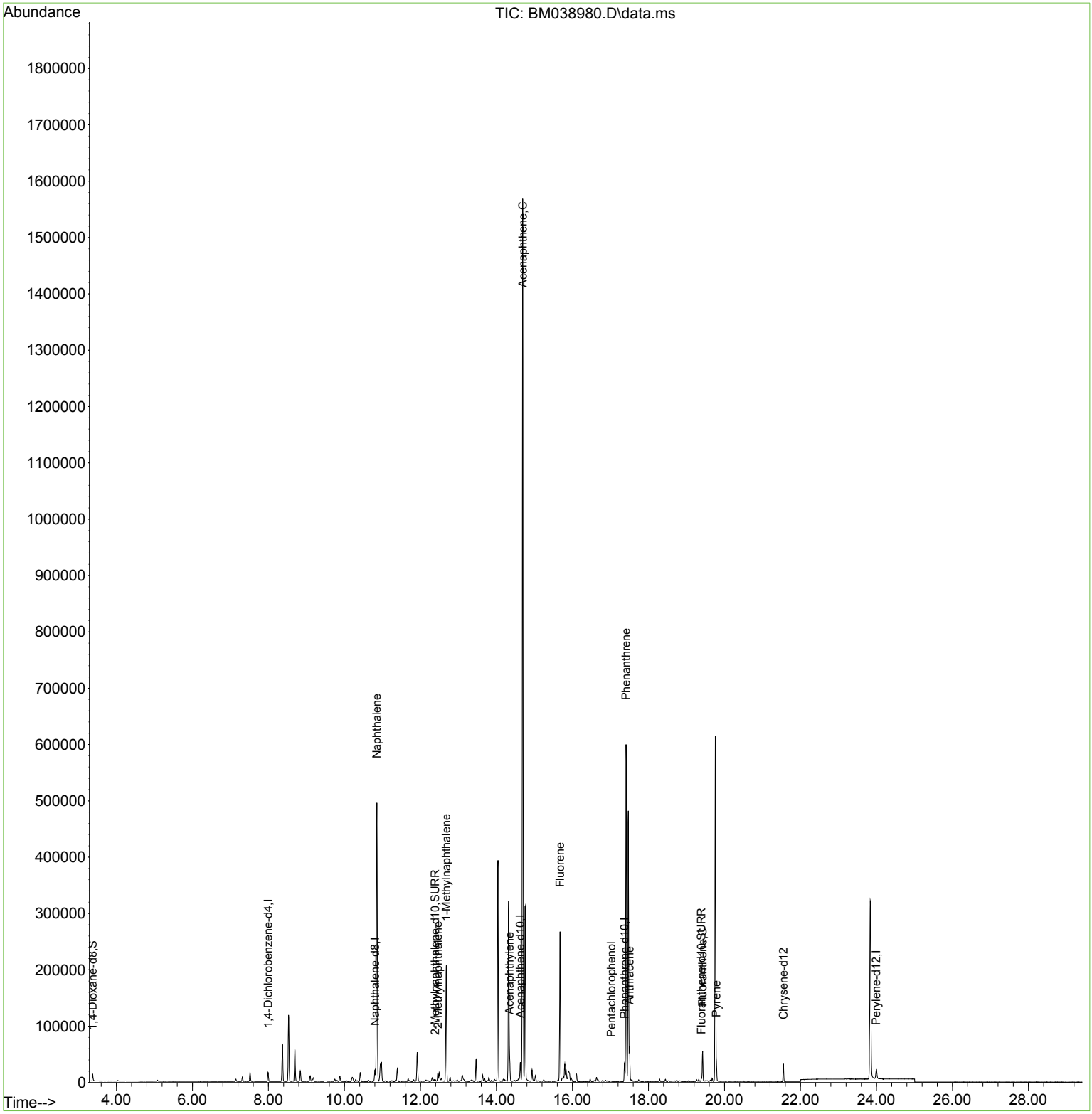

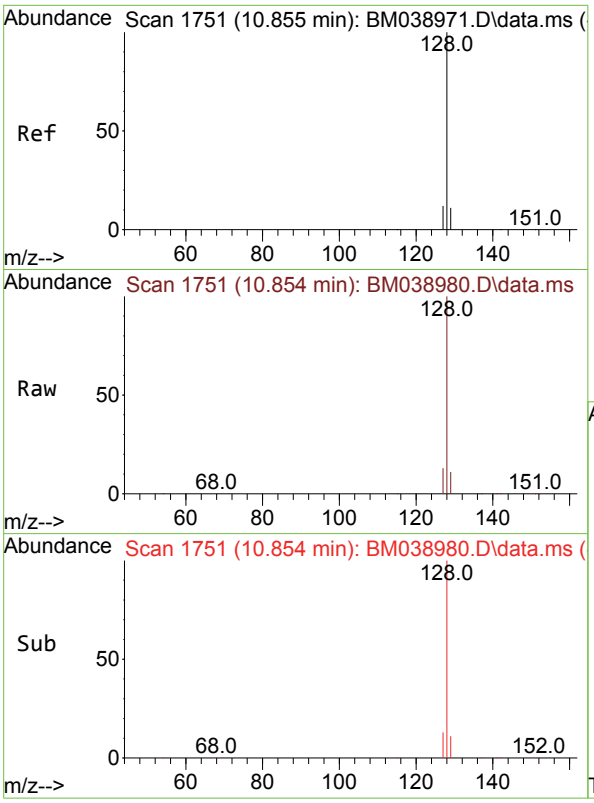


#5
Naphthalene
Concen: 9.642 ng/ul
RT: 10.854 min Scan# 1
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:128 Resp: 64788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 9.1 | 13.7 |
| 127 | 12.6 | 10.3 | 15.5 |

**Instrument :**
BNA_M
**ClientSampleId :**
DCAD9DL

**Manual Integrations**
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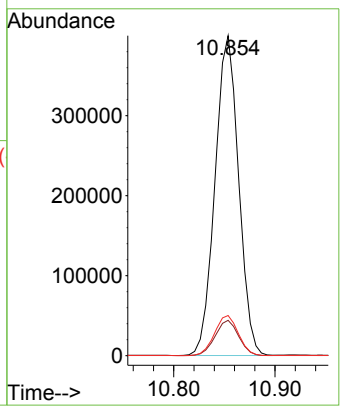
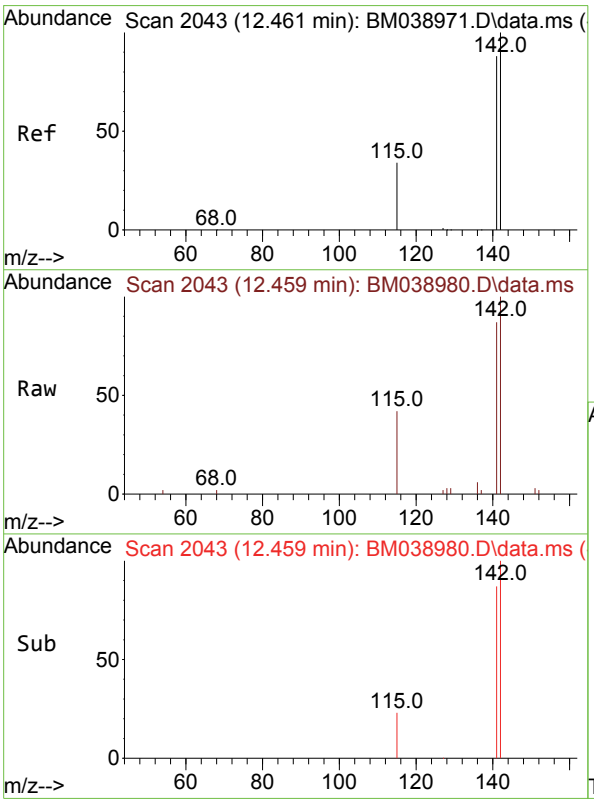
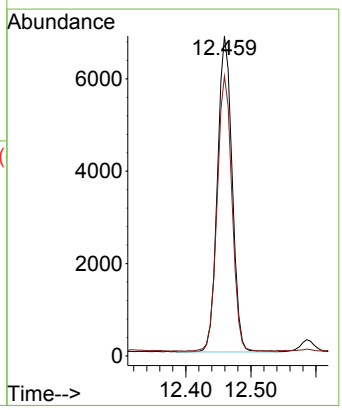


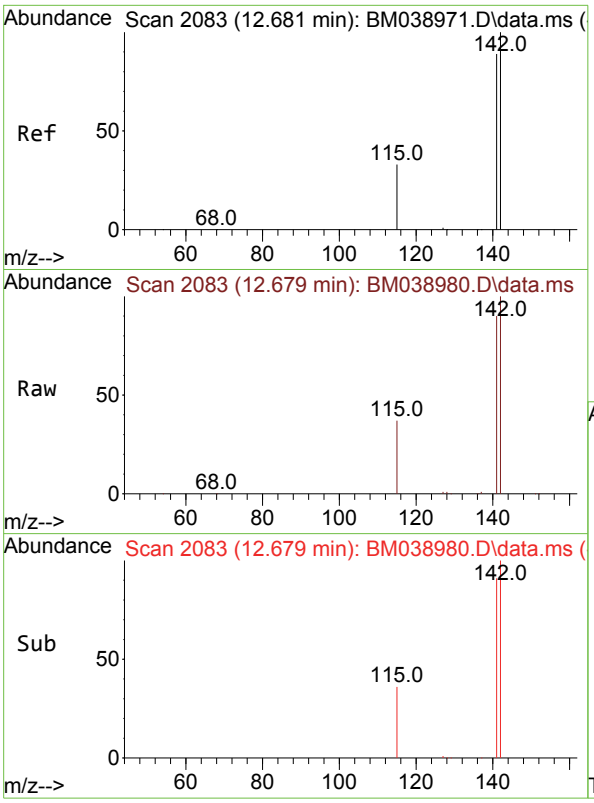




#7
2-Methylnaphthalene
Concen: 0.262 ng/ul
RT: 12.459 min Scan# 2043
Delta R.T. -0.007 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:142 Resp: 10688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.4 | 69.9 | 104.9 |






#8
1-Methylnaphthalene
Concen: 3.105 ng/ul
RT: 12.679 min Scan# 2
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:142 Resp: 13280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.5 | 110.3 |

**Instrument :**
BNA_M
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DCAD9DL

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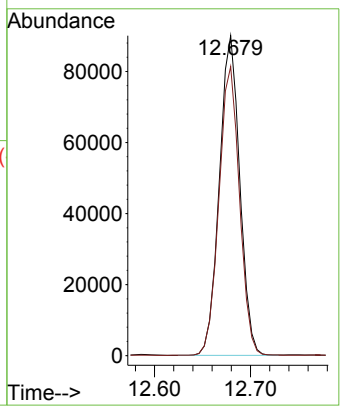
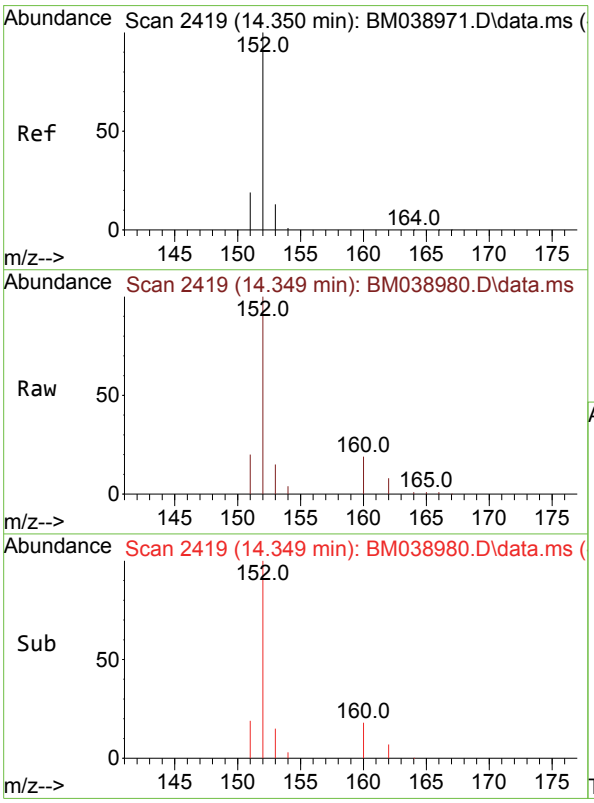
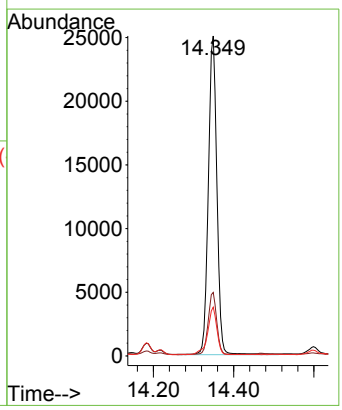


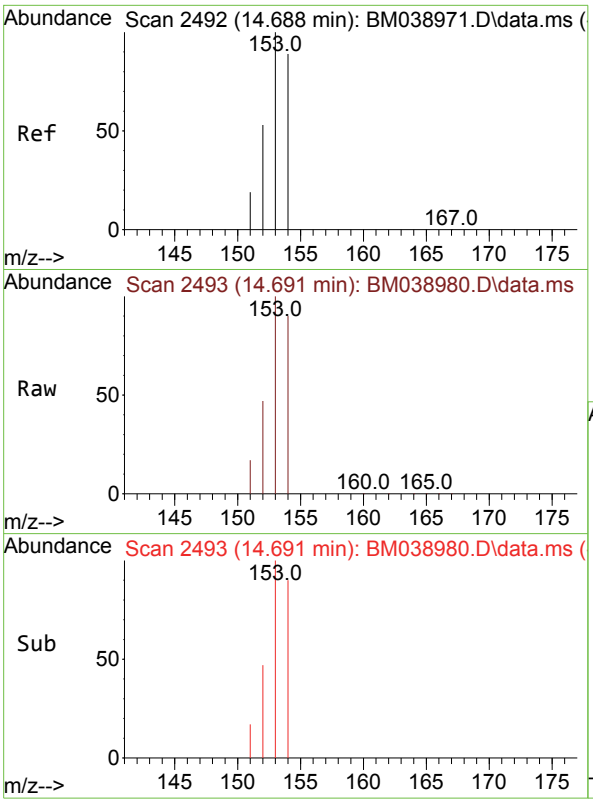




#10
Acenaphthylene
Concen: 0.590 ng/ul
RT: 14.349 min Scan# 2419
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:152 Resp: 36958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 15.6 | 23.4 |
| 153 | 15.2 | 10.6 | 15.8 |

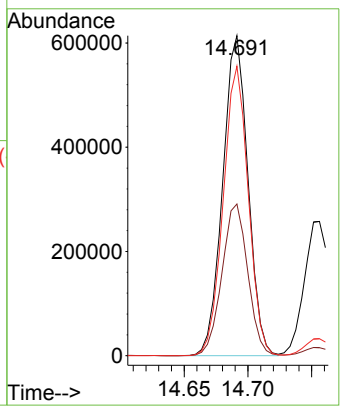





#11
Acenaphthene
Concen: 16.396 ng/ul
RT: 14.691 min Scan# 24
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:153 Resp: 84508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.4 | 44.2 | 66.2 |
| 154 | 90.4 | 70.6 | 105.8 |




**Instrument :**
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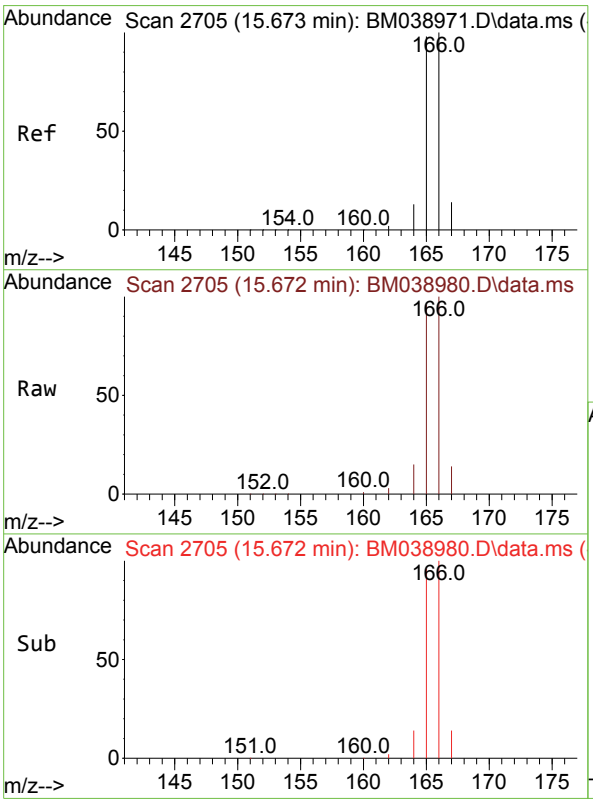
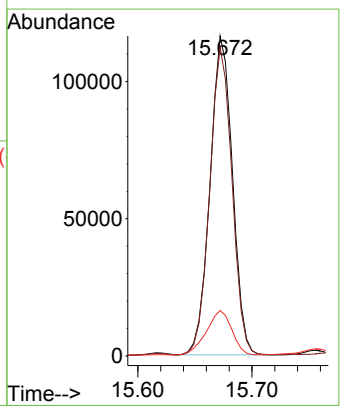
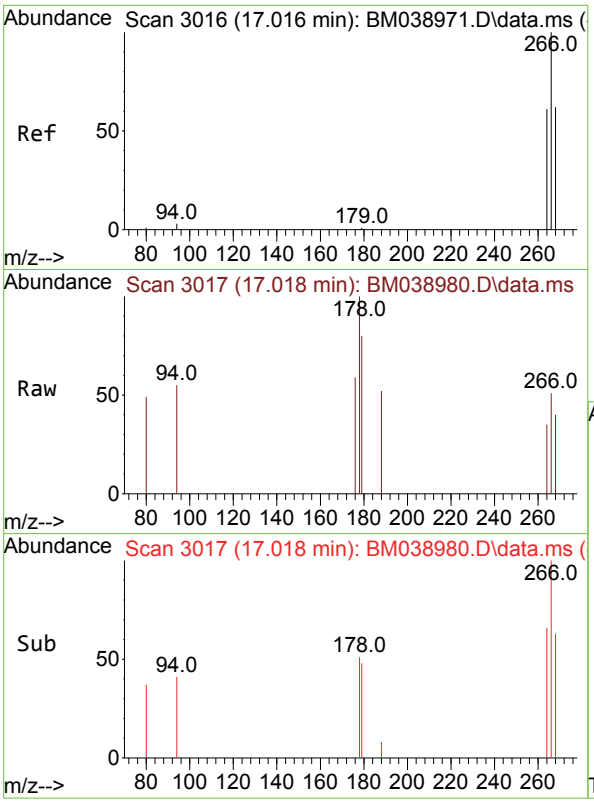



#12
Fluorene
Concen: 2.728 ng/ul
RT: 15.672 min Scan# 2705
Delta R.T. -0.006 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:166 Resp: 158751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.5 | 77.8 | 116.6 |
| 167 | 14.2 | 11.4 | 17.2 |

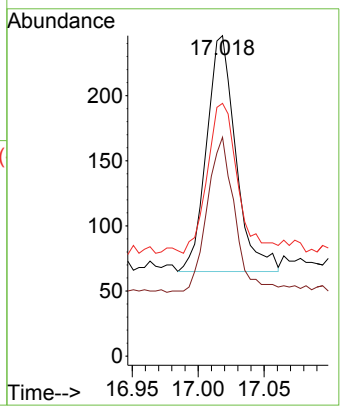





#14
Pentachlorophenol
Concen: 0.032 ng/ul
RT: 17.018 min Scan# 3
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:266 Resp: 27

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.0 | 50.2 | 75.2 |
| 268 | 65.9 | 50.2 | 75.4 |




**Instrument :**
BNA_M
**ClientSampleId :**
DCAD9DL

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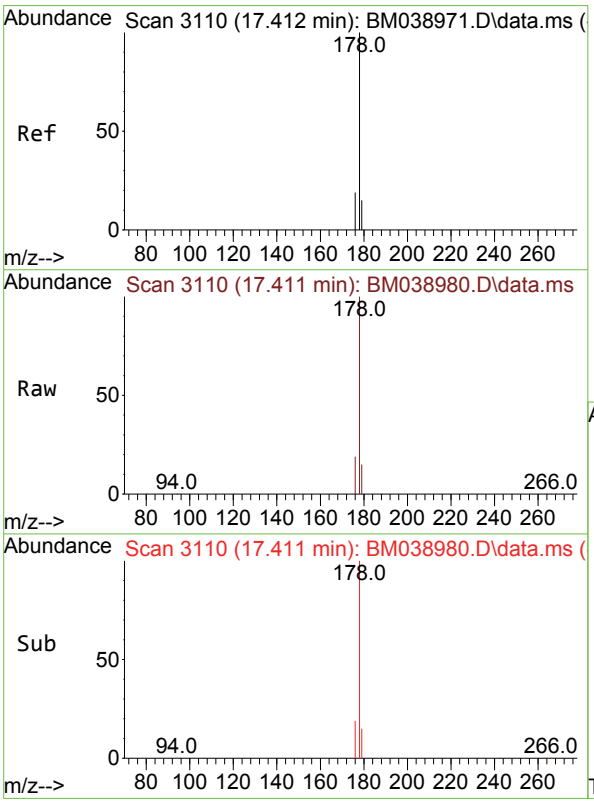
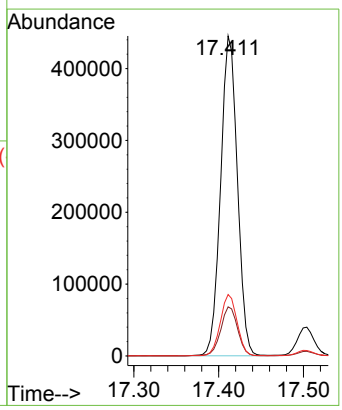
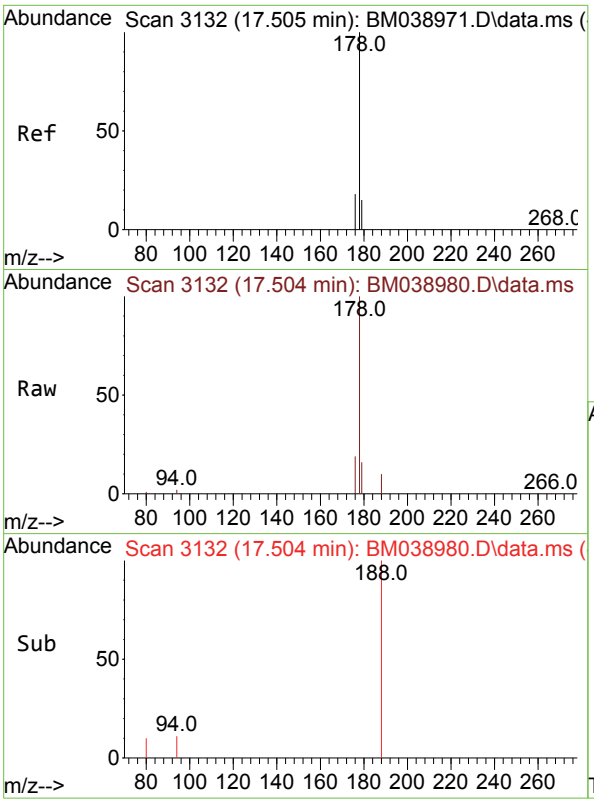



#15
Phenanthrene
Concen: 6.401 ng/ul
RT: 17.411 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:178 Resp: 610775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.7 | 19.1 |
| 176 | 19.2 | 15.9 | 23.9 |

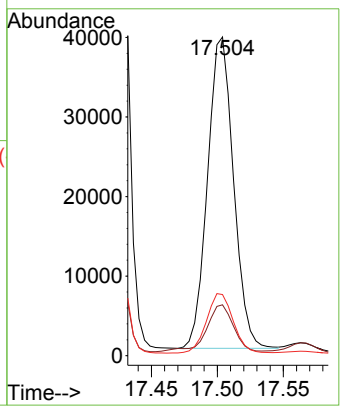





#16
Anthracene
Concen: 0.682 ng/ul
RT: 17.504 min Scan# 3
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:178 Resp: 5357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.0 | 13.0 | 19.6 |
| 176 | 19.2 | 15.4 | 23.2 |

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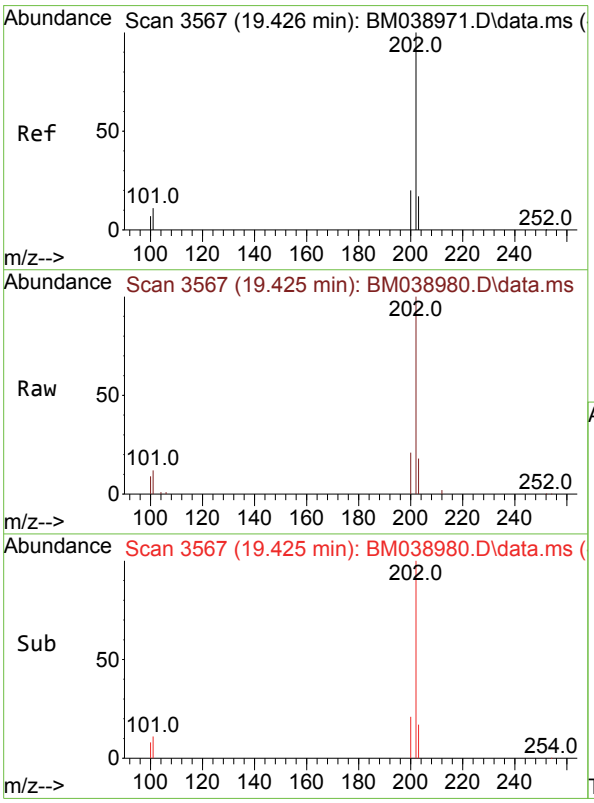
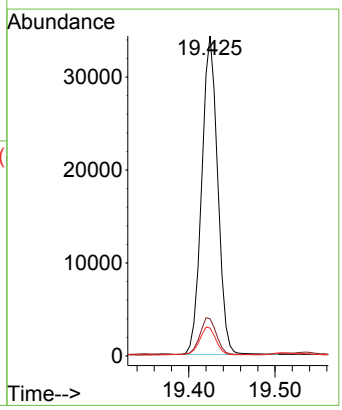
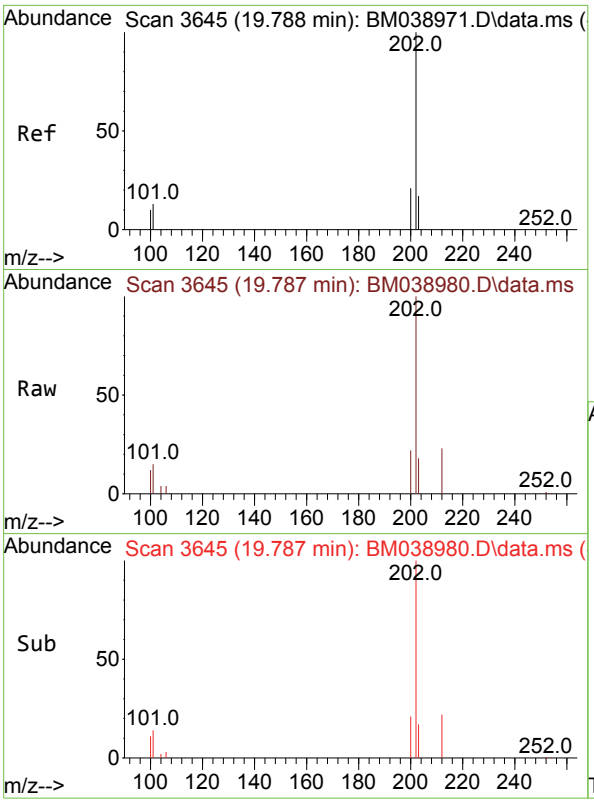



#19
Fluoranthene
Concen: 0.465 ng/ul
RT: 19.425 min Scan# 3567
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:202 Resp: 43951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 8.9 | 13.3 |
| 100 | 8.7 | 6.8 | 10.2 |

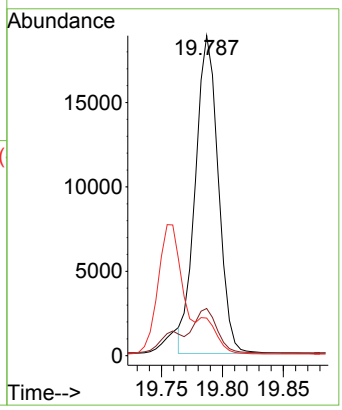





#20
Pyrene
Concen: 0.254 ng/ul m
RT: 19.787 min Scan# 3
Delta R.T. -0.002 min
Lab File: BM038980.D
Acq: 10 Mar 2023 14:26

Tgt Ion:202 Resp: 2464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 11.2 | 16.8 |
| 100 | 11.7 | 9.0 | 13.6 |

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