Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092122\
Data File : BN021879.D
Acq On : 23 Sep 2022 00:24
Operator : CG/JU
Sample : N4706-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
CB8L0

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 09/23/2022
Supervised By :mohammad ahmed 09/26/2022

Quant Time: Sep 23 02:13:10 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN090822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 00:20:21 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.046 | 152 | 5286 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.878 | 136 | 17278 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.703 | 164 | 10811 | 0.400 | ng/ul | # 0.00 |
| 13) Phenanthrene-d10 | 17.456 | 188 | 19911 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.647 | 240 | 12354 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 24.152 | 264 | 9932 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.359 | 96 | 25920 | 3.986 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.462 | 152 | 6580 | 0.241 | ng/ul | -0.01 |
| 18) Fluoranthene-d10 | 19.483 | 212 | 13757 | 0.299 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.922 | 128 | 13174 | 0.270 | ng/ul# | 87 |
| 7) 2-Methylnaphthalene | 12.539 | 142 | 8084 | 0.255 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.753 | 142 | 8634 | 0.266 | ng/ul | 96 |
| 10) Acenaphthylene | 14.439 | 152 | 2051 | 0.045 | ng/ul# | 25 |
| 11) Acenaphthene | 14.768 | 153 | 73719 | 1.916 | ng/ul | 98 |
| 12) Fluorene | 15.753 | 166 | 53443 | 1.238 | ng/ul | 99 |
| 15) Phenanthrene | 17.498 | 178 | 76974 | 1.225 | ng/ul | 99 |
| 16) Anthracene | 17.586 | 178 | 10675 | 0.205 | ng/ul# | 85 |
| 19) Fluoranthene | 19.515 | 202 | 12299 | 0.213 | ng/ul# | 1 |
| 20) Pyrene | 19.878 | 202 | 7263m | 0.128 | ng/ul | |

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

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Operator : CG/JU
Sample : N4706-06
Misc :
ALS Vial : 40 Sample Multiplier: 1

Quant Time: Sep 23 02:13:10 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN090822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 00:20:21 2022
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
CB8L0

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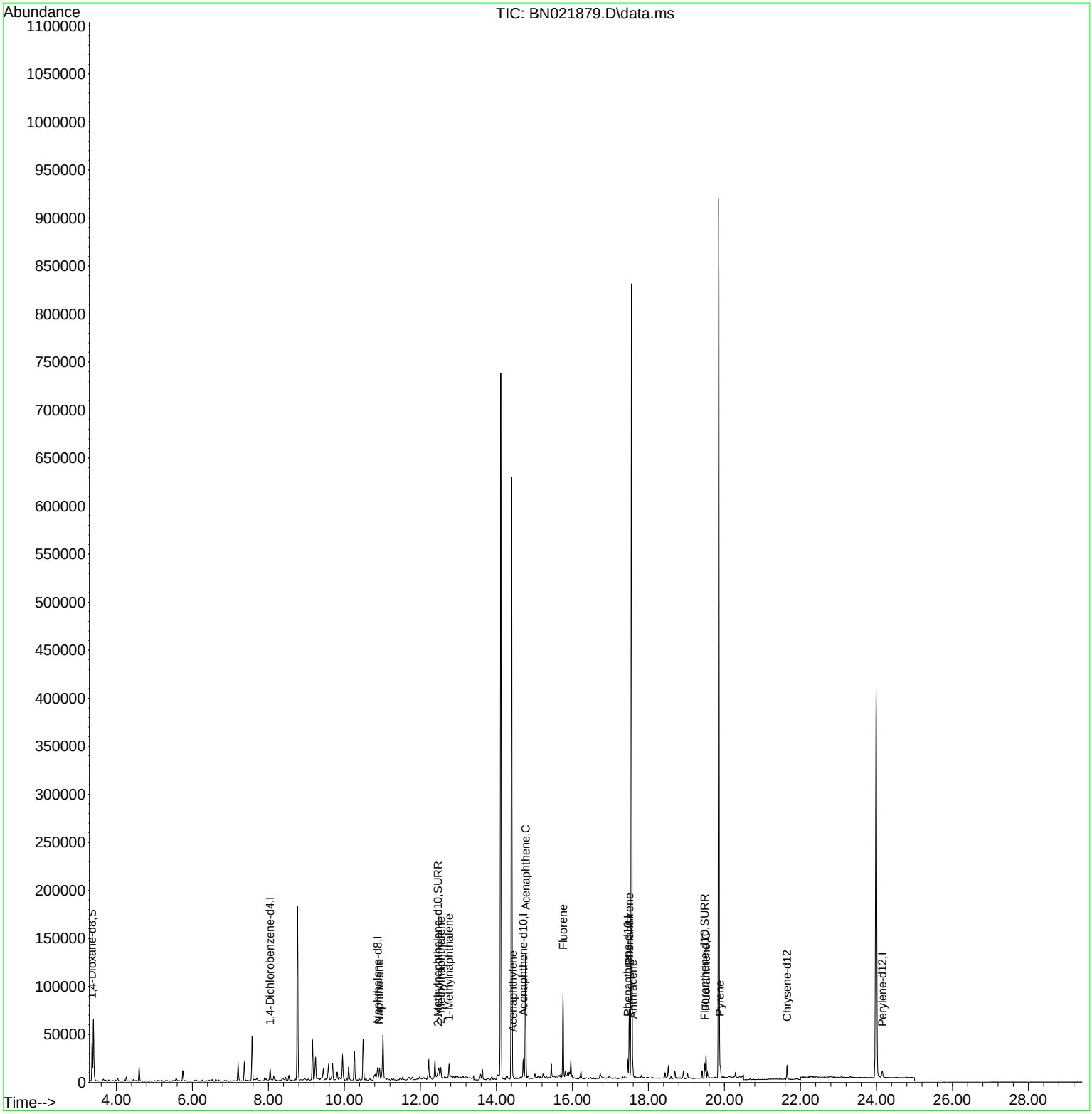
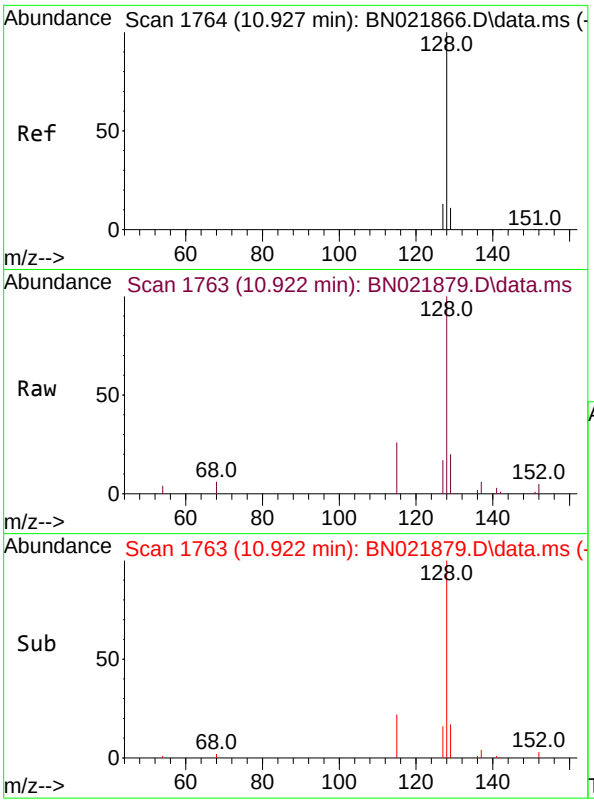
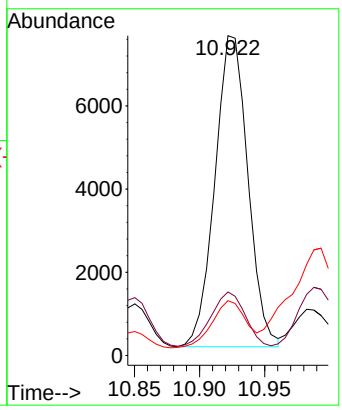





#5
Naphthalene
Concen: 0.270 ng/ul
RT: 10.922 min Scan# 1
Delta R.T. -0.011 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:128 Resp: 1317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 19.9 | 9.8 | 14.6# |
| 127 | 17.2 | 11.6 | 17.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
CB8L0

**Manual Integrations**
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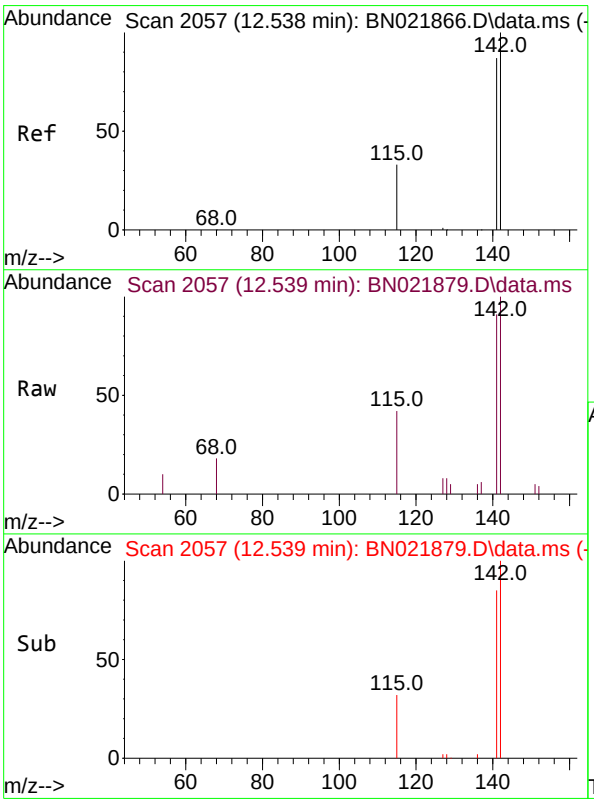
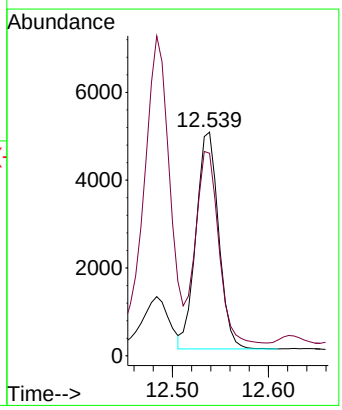
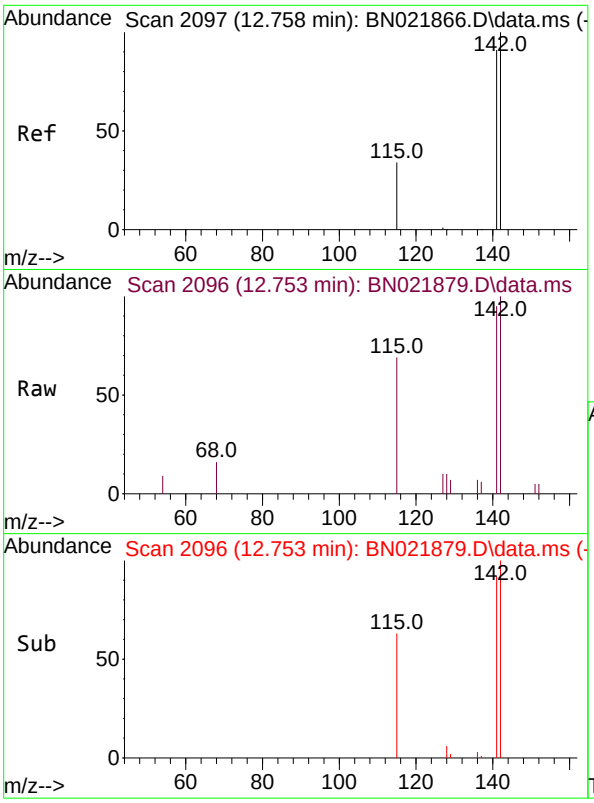



#7
2-Methylnaphthalene
Concen: 0.255 ng/ul
RT: 12.539 min Scan# 2057
Delta R.T. -0.005 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:142 Resp: 8084

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.5 | 72.2 | 108.2 |

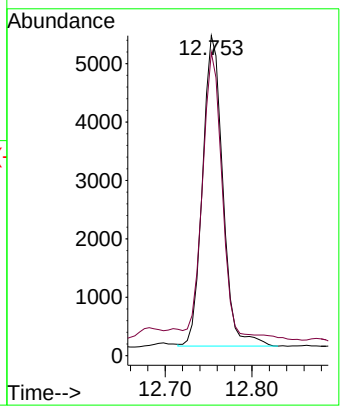





#8
1-Methylnaphthalene
Concen: 0.266 ng/ul
RT: 12.753 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:142 Resp: 863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 73.9 | 110.9 |




**Instrument :**
BNA_N
**ClientSampleId :**
CB8L0

**Manual Integrations**
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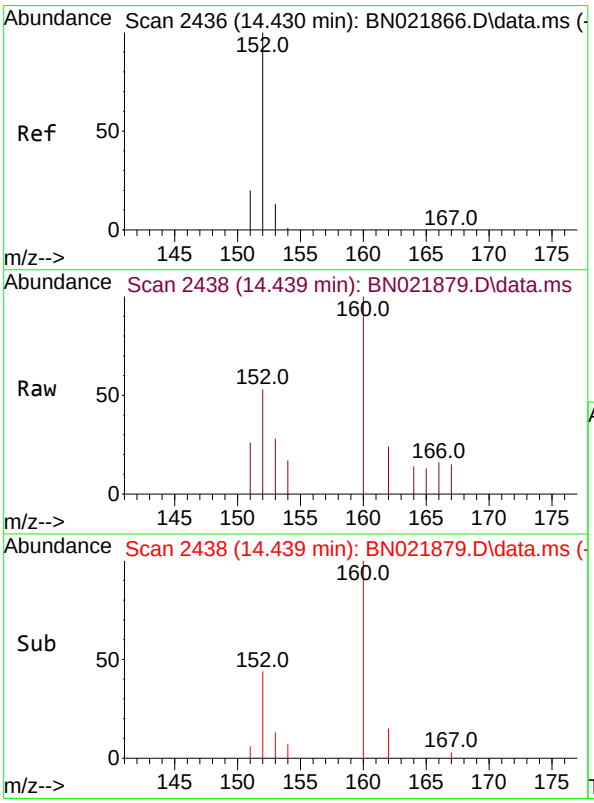
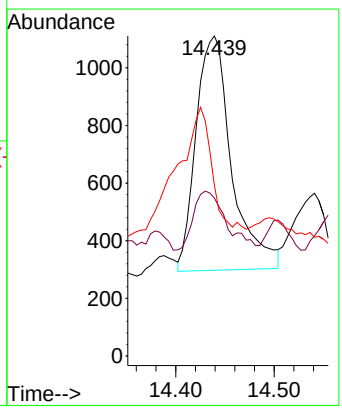
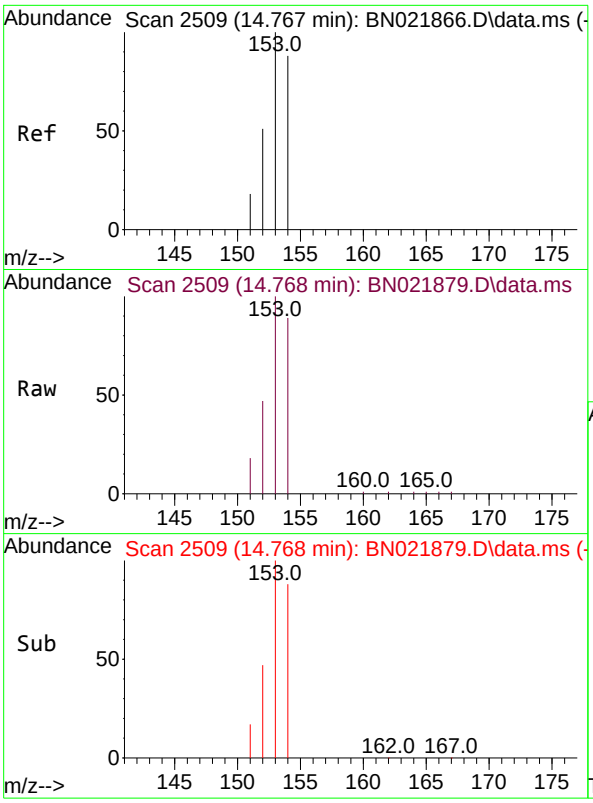



#10
Acenaphthylene
Concen: 0.045 ng/ul
RT: 14.439 min Scan# 2438
Delta R.T. 0.009 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:152 Resp: 2051

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 49.3 | 16.9 | 25.3# |
| 153 | 53.4 | 11.2 | 16.8# |






#11
Acenaphthene
Concen: 1.916 ng/ul
RT: 14.768 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:153 Resp: 7371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.4 | 40.2 | 60.4 |
| 154 | 88.7 | 70.7 | 106.1 |

**Instrument :**
BNA_N
**ClientSampleId :**
CB8L0

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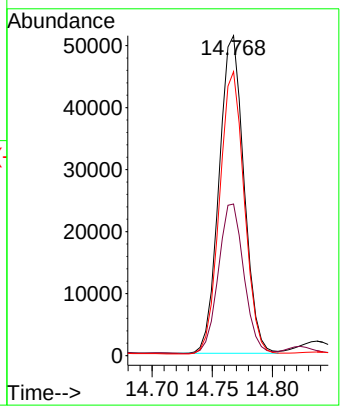
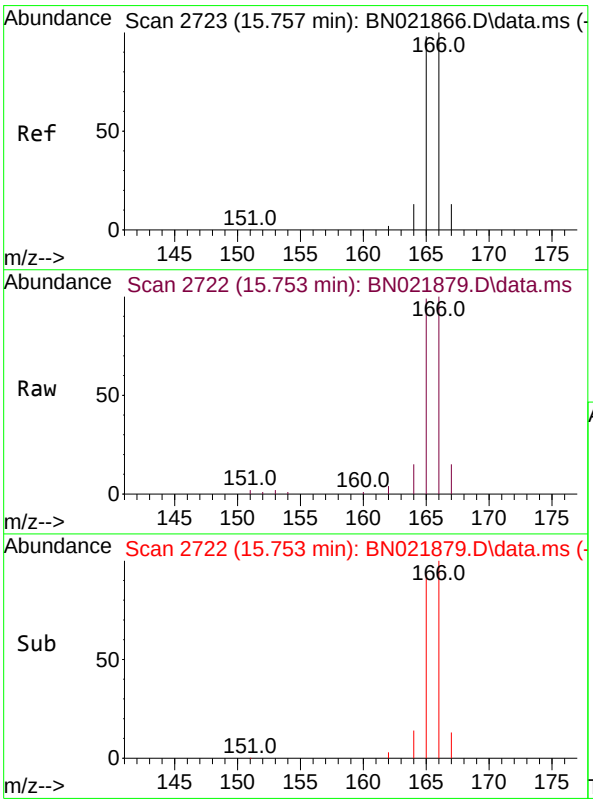
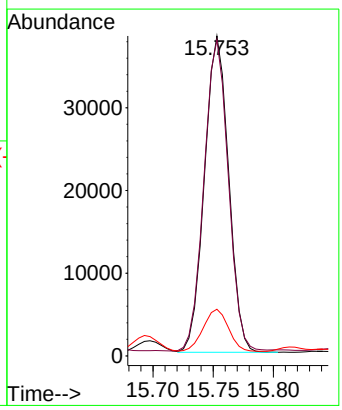


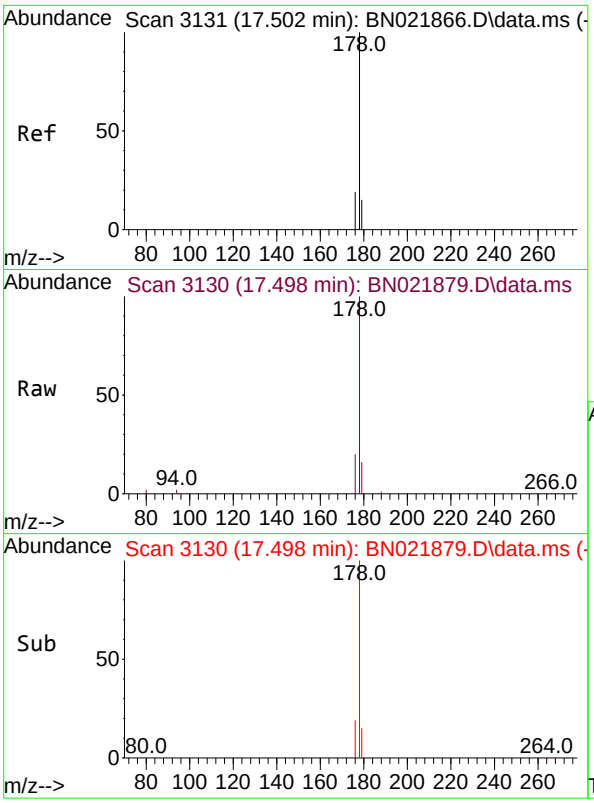




#12
Fluorene
Concen: 1.238 ng/ul
RT: 15.753 min Scan# 2722
Delta R.T. -0.005 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:166 Resp: 53443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 78.6 | 117.8 |
| 167 | 14.6 | 11.8 | 17.6 |

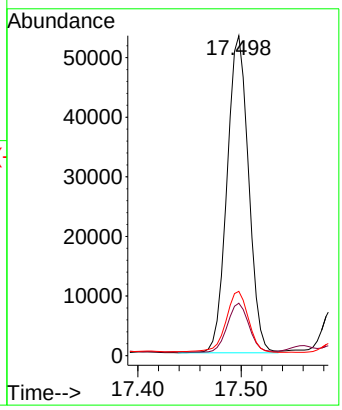





#15
Phenanthrene
Concen: 1.225 ng/ul
RT: 17.498 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:178 Resp: 7697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.8 | 19.2 |
| 176 | 20.1 | 15.9 | 23.9 |




**Instrument :**
BNA_N
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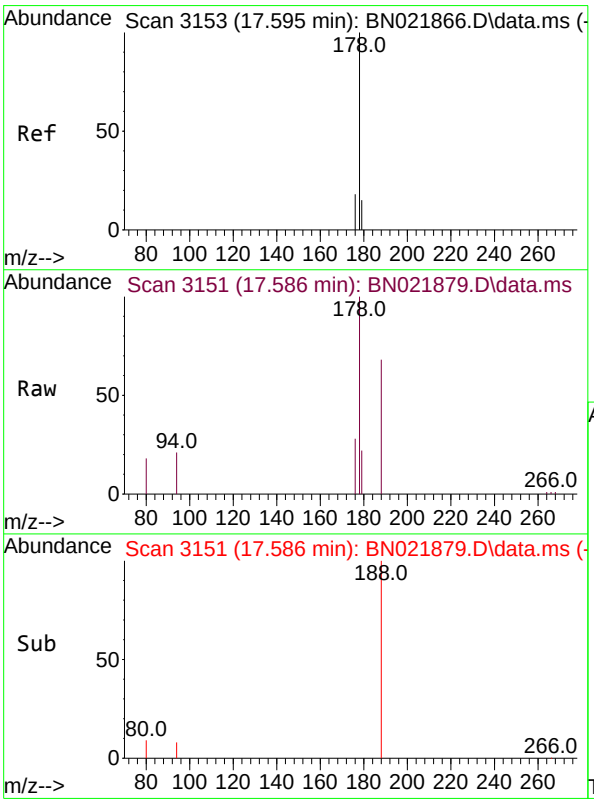
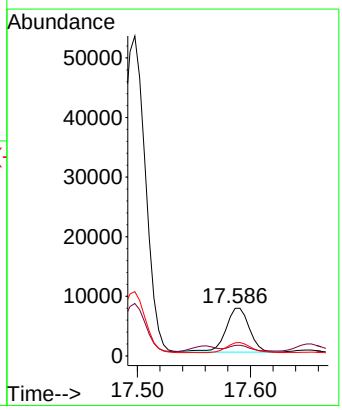
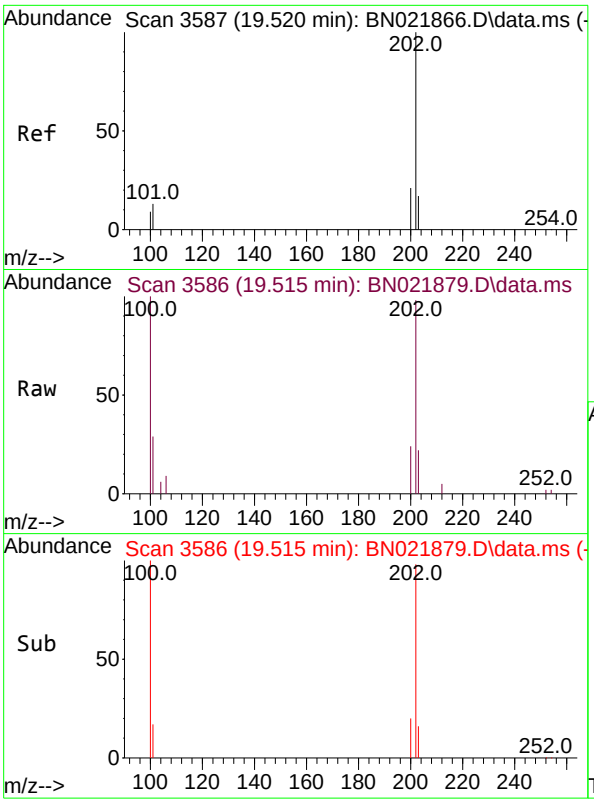



#16
Anthracene
Concen: 0.205 ng/ul
RT: 17.586 min Scan# 3151
Delta R.T. -0.008 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:178 Resp: 10675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 22.1 | 12.9 | 19.3# |
| 176 | 27.6 | 15.9 | 23.9# |






#19
Fluoranthene
Concen: 0.213 ng/ul
RT: 19.515 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:202 Resp: 1229

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 29.1 | 10.0 | 15.0# |
| 100 | 101.8 | 8.0 | 12.0# |

**Instrument :**
BNA_N
**ClientSampleId :**
CB8L0

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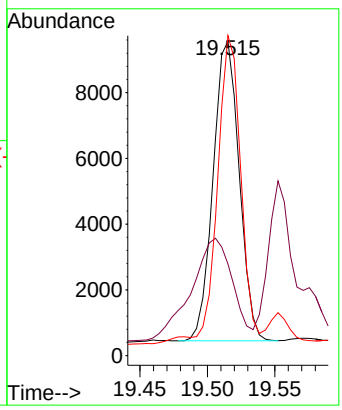


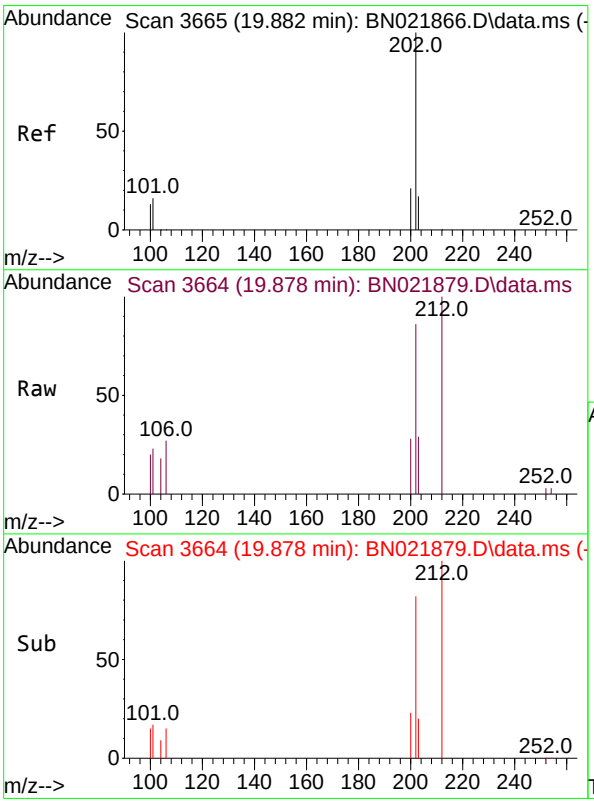


#20
Pyrene
Concen: 0.128 ng/ul m
RT: 19.878 min Scan# 3664
Delta R.T. 0.000 min
Lab File: BN021879.D
Acq: 23 Sep 2022 00:24

Tgt Ion:202 Resp: 7263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 26.5 | 11.3 | 16.9# |
| 100 | 22.9 | 9.0 | 13.4# |