Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090923\
Data File : BN027505.D
Acq On : 09 Sep 2023 17:13
Operator : MA/JU
Sample : 04227-10
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
BBKE0

Quant Time: Sep 10 00:11:52 2023
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN090123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 08 03:55:54 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.042 | 152 | 11945 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.867 | 136 | 41599 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.675 | 164 | 28773 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.422 | 188 | 56179 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.597 | 240 | 39390 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.103 | 264 | 35657 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.410 | 96 | 55369 | 3.485 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.440 | 152 | 25018 | 0.396 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.441 | 212 | 58963 | 0.437 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.443 | 88 | 36302 | 2.258 | ng/ul# | 83 |
| 5) Naphthalene | 10.916 | 128 | 27477 | 0.228 | ng/ul | 95 |
| 8) 1-Methylnaphthalene | 12.731 | 142 | 20023 | 0.249 | ng/ul | 99 |
| 11) Acenaphthene | 14.744 | 153 | 3682 | 0.032 | ng/ul# | 48 |
| 12) Fluorene | 15.721 | 166 | 13885 | 0.109 | ng/ul# | 95 |
| 14) Pentachlorophenol | 17.054 | 266 | 338 | 0.031 | ng/ul | 88 |
| 15) Phenanthrene | 17.464 | 178 | 60757 | 0.332 | ng/ul | 97 |
| 16) Anthracene | 17.557 | 178 | 3270 | 0.022 | ng/ul# | 60 |
| 19) Fluoranthene | 19.473 | 202 | 4411 | 0.024 | ng/ul# | 58 |

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

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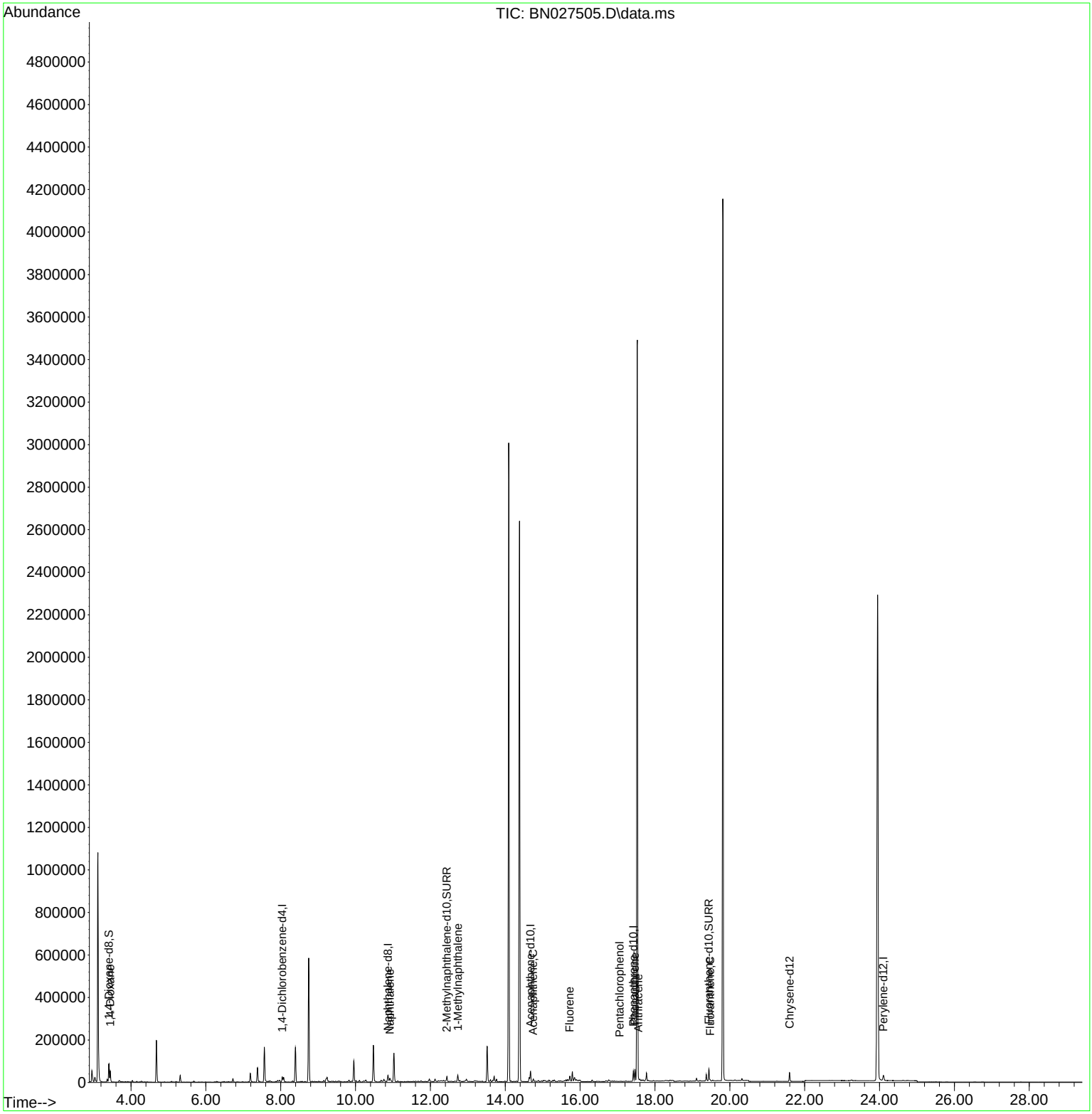
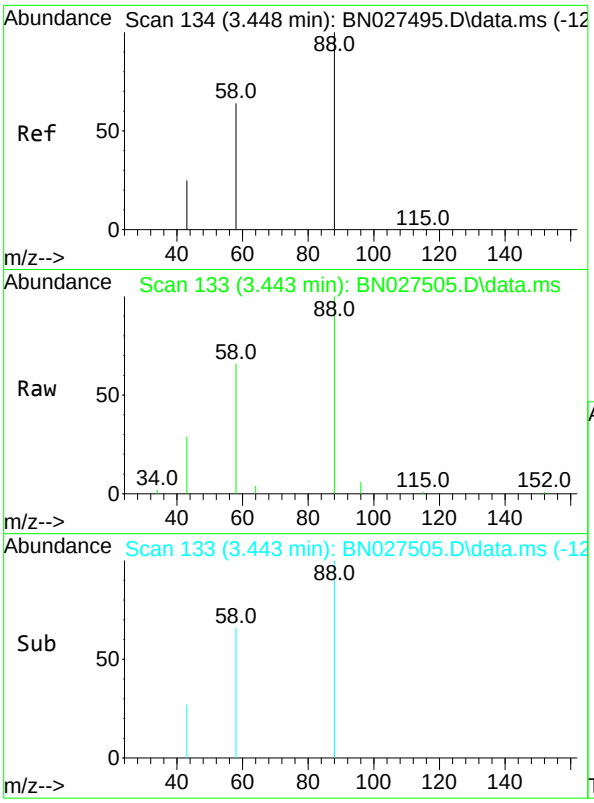


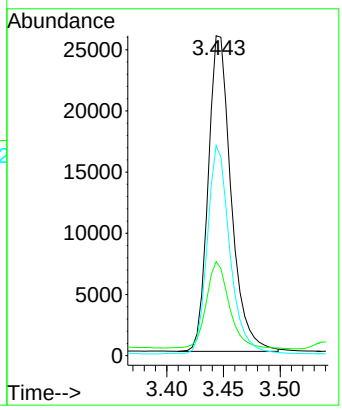


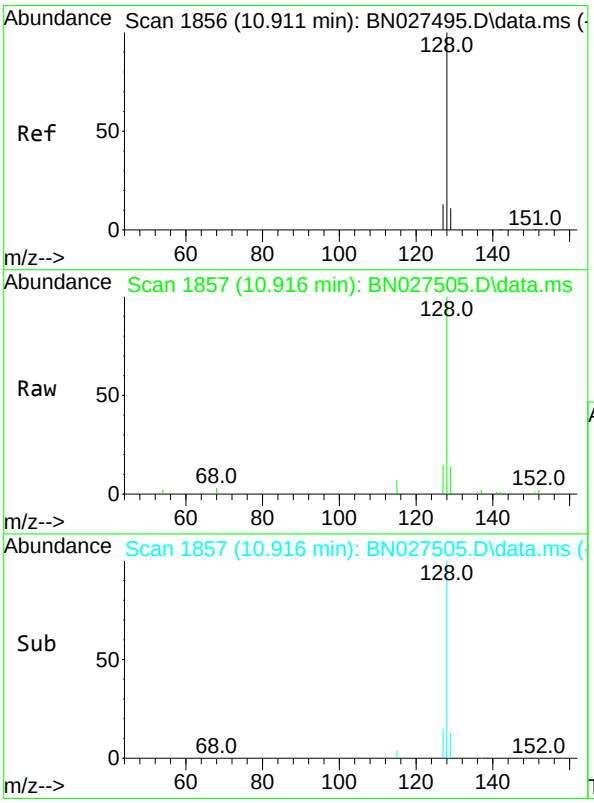

#2
1,4-Dioxane
Concen: 2.258 ng/ul
RT: 3.443 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

**Instrument :**
BNA_N
**ClientSampleId :**
BBKE0

Tgt Ion: 88 Resp: 36302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 29.4 | 26.8 | 40.2 |
| 58 | 65.7 | 39.9 | 59.9# |

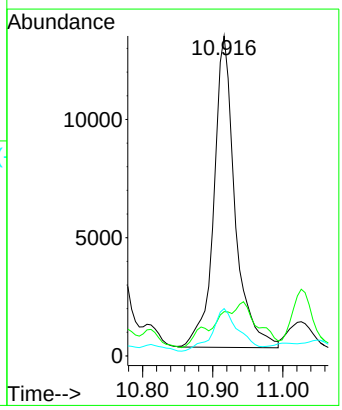


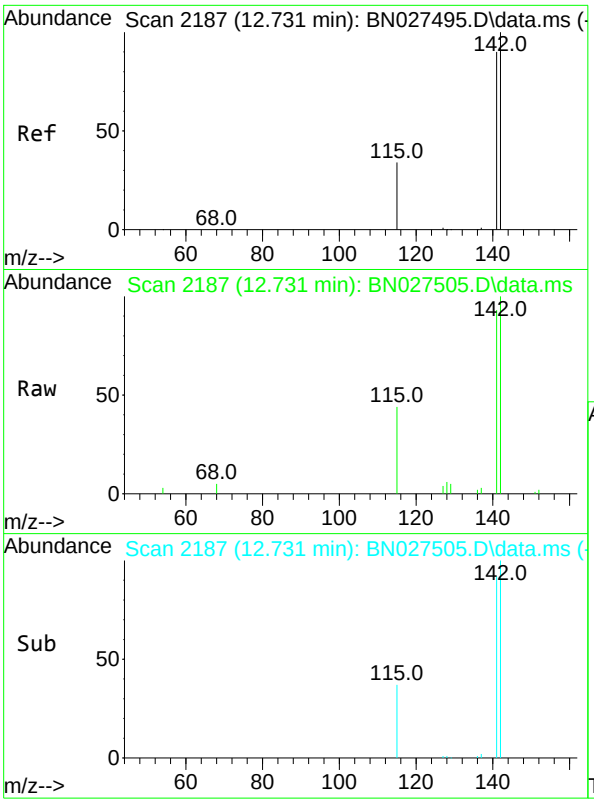




#5
Naphthalene
Concen: 0.228 ng/ul
RT: 10.916 min Scan# 1857
Delta R.T. -0.006 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

Tgt Ion:128 Resp: 27477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.9 | 9.4 | 14.0 |
| 127 | 14.8 | 10.6 | 16.0 |



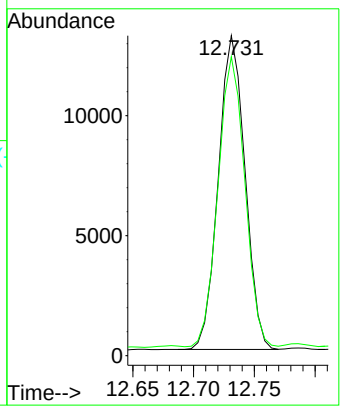


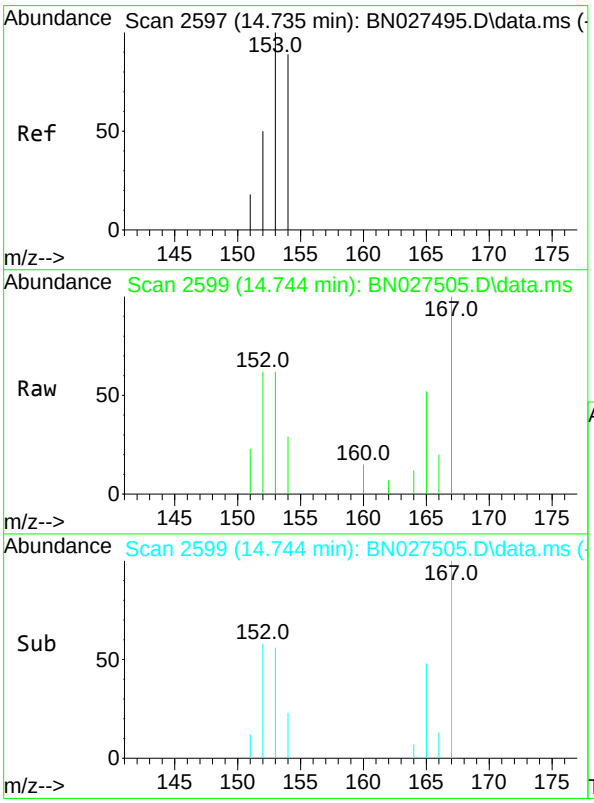

#8
1-Methylnaphthalene
Concen: 0.249 ng/ul
RT: 12.731 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

**Instrument :**
BNA_N
**ClientSampleId :**
BBKE0

Tgt Ion:142 Resp: 20023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.6 | 73.0 | 109.4 |

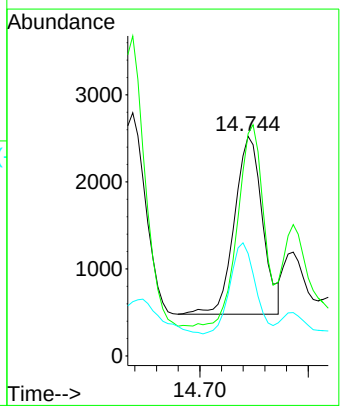


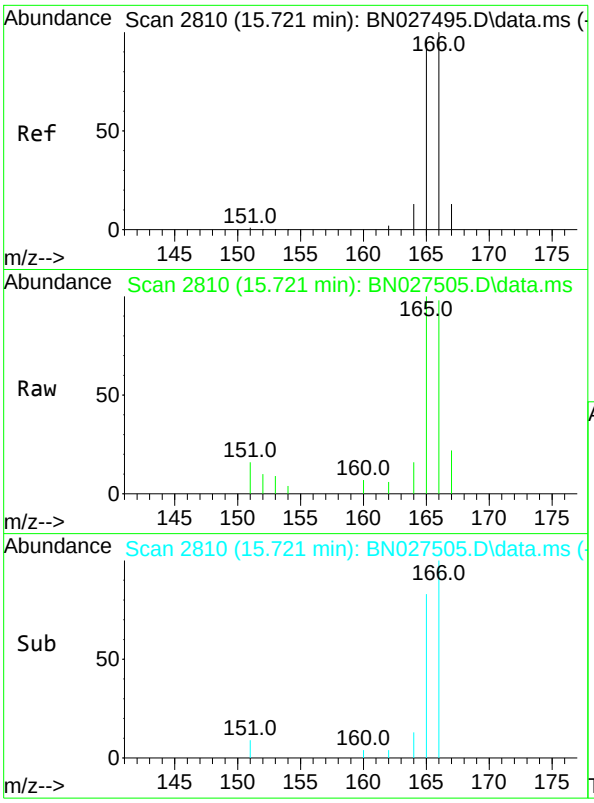




#11
Acenaphthene
Concen: 0.032 ng/ul
RT: 14.744 min Scan# 2599
Delta R.T. 0.005 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

Tgt Ion:153 Resp: 3682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 101.2 | 42.9 | 64.3# |
| 154 | 46.6 | 69.4 | 104.0# |



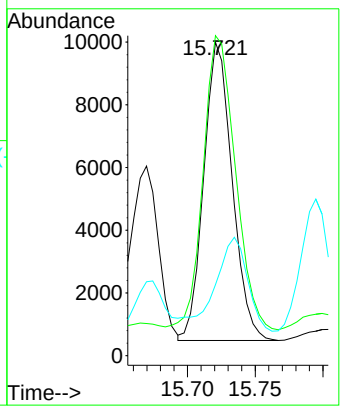


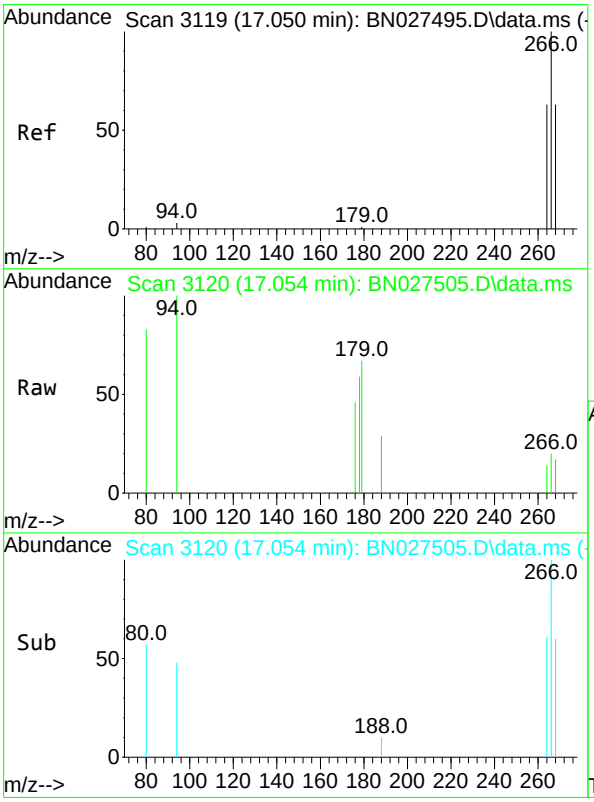

#12
Fluorene
Concen: 0.109 ng/ul
RT: 15.721 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

**Instrument :**
BNA_N
**ClientSampleId :**
BBKE0

Tgt Ion:166 Resp: 13885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.1 | 79.6 | 119.4 |
| 167 | 22.7 | 11.4 | 17.0# |

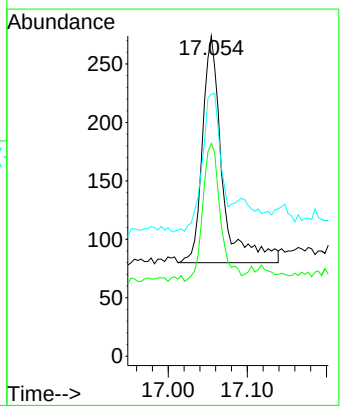


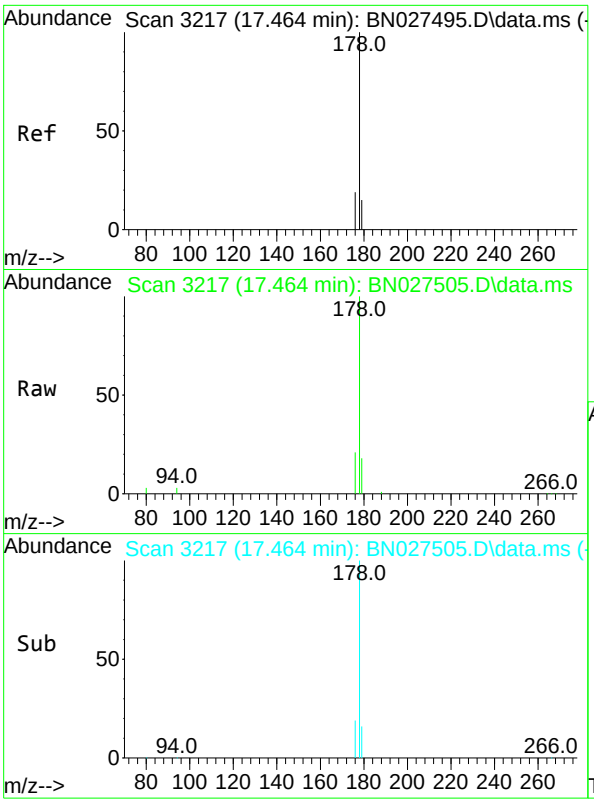




#14
Pentachlorophenol
Concen: 0.031 ng/ul
RT: 17.054 min Scan# 3120
Delta R.T. -0.004 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

Tgt Ion:266 Resp: 338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 54.7 | 50.4 | 75.6 |
| 268 | 75.4 | 51.9 | 77.9 |



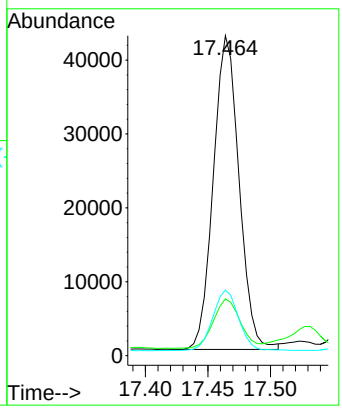


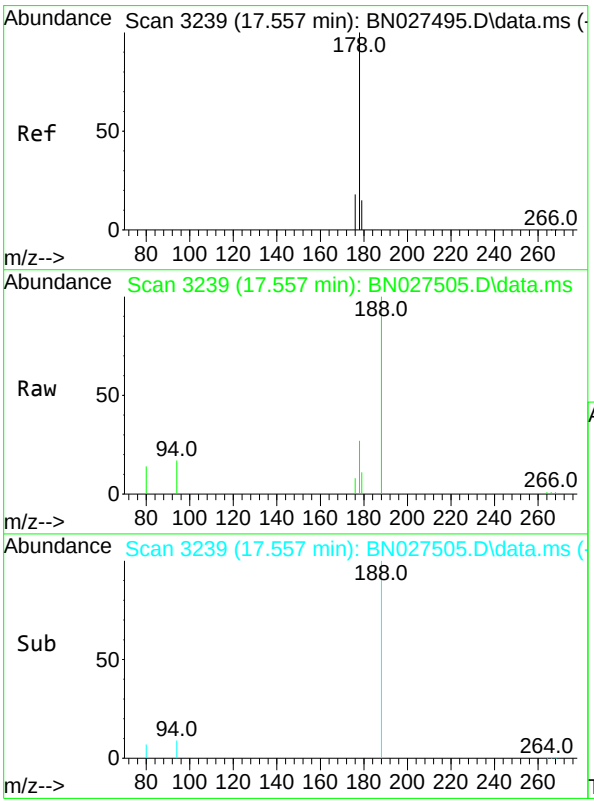

#15
Phenanthrene
Concen: 0.332 ng/ul
RT: 17.464 min Scan# 3
Delta R.T. -0.004 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

**Instrument :**
BNA_N
**ClientSampleId :**
BBKE0

Tgt Ion:178 Resp: 60757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.8 | 12.6 | 19.0 |
| 176 | 20.5 | 15.8 | 23.8 |

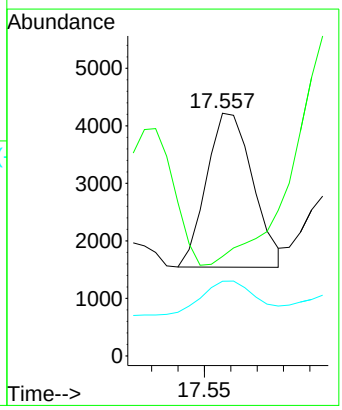


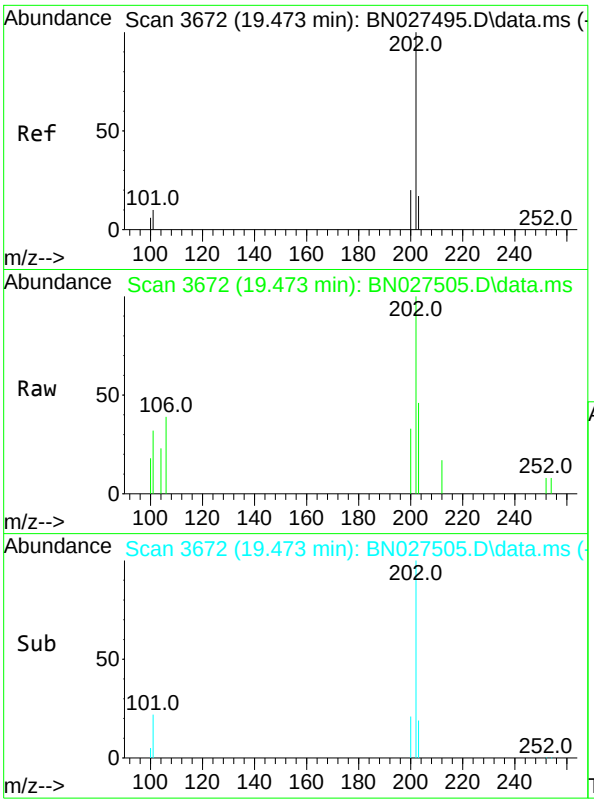




#16
Anthracene
Concen: 0.022 ng/ul
RT: 17.557 min Scan# 3239
Delta R.T. -0.004 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

Tgt Ion:178 Resp: 3270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 41.0 | 13.0 | 19.6# |
| 176 | 30.8 | 15.6 | 23.4# |






#19
Fluoranthene
Concen: 0.024 ng/ul
RT: 19.473 min Scan# 3
Delta R.T. -0.005 min
Lab File: BN027505.D
Acq: 09 Sep 2023 17:13

**Instrument :**
BNA_N
**ClientSampleId :**
BBKE0

Tgt Ion:202 Resp: 4411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 32.3 | 9.4 | 14.0# |
| 100 | 18.2 | 6.9 | 10.3# |