Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090221\
Data File : BN016160.D
Acq On : 03 Sep 2021 05:37
Operator : CG/JU
Sample : M3472-04DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
mohammad
9/7/2021 11:32:12 AM

Quant Time: Sep 03 06:16:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN090121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 02 13:32:21 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.867 | 152 | 2840 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.666 | 136 | 11657 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.501 | 164 | 6986 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.250 | 188 | 14201 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.439 | 240 | 14906 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.833 | 264 | 14967 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.315 | 96 | 220 | 0.067 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.256 | 152 | 95 | 0.006 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.280 | 212 | 217 | 0.005 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.716 | 128 | 1211 | 0.039 | ng/ul# | 82 |
| 7) 2-Methylnaphthalene | 12.333 | 142 | 860 | 0.042 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.547 | 142 | 683 | 0.034 | ng/ul | 97 |
| 10) Acenaphthylene | 14.224 | 152 | 947 | 0.036 | ng/ul# | 81 |
| 15) Phenanthrene | 17.293 | 178 | 10172 | 0.249 | ng/ul | 99 |
| 16) Anthracene | 17.386 | 178 | 1717 | 0.049 | ng/ul# | 94 |
| 19) Fluoranthene | 19.313 | 202 | 17574 | 0.354 | ng/ul | 99 |
| 20) Pyrene | 19.675 | 202 | 15311 | 0.304 | ng/ul | 95 |
| 21) Benzo(a)anthracene | 21.424 | 228 | 9215 | 0.202 | ng/ul | 93 |
| 22) Chrysene | 21.474 | 228 | 9954 | 0.193 | ng/ul# | 94 |
| 24) Benzo(b)fluoranthene | 23.105 | 252 | 12347m | 0.219 | ng/ul | |
| 25) Benzo(k)fluoranthene | 23.145 | 252 | 4238m | 0.075 | ng/ul | |
| 26) Benzo(a)pyrene | 23.724 | 252 | 7571 | 0.158 | ng/ul# | 70 |
| 27) Indeno(1,2,3-cd)pyrene | 26.310 | 276 | 5402 | 0.088 | ng/ul# | 92 |
| 28) Dibenzo(a,h)anthracene | 26.316 | 278 | 1602 | 0.031 | ng/ul# | 14 |
| 29) Benzo(g,h,i)perylene | 27.071 | 276 | 5002 | 0.093 | ng/ul# | 82 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090221\
Data File : BN016160.D
Acq On : 03 Sep 2021 05:37
Operator : CG/JU
Sample : M3472-04DL 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 03 06:16:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN090121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 02 13:32:21 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
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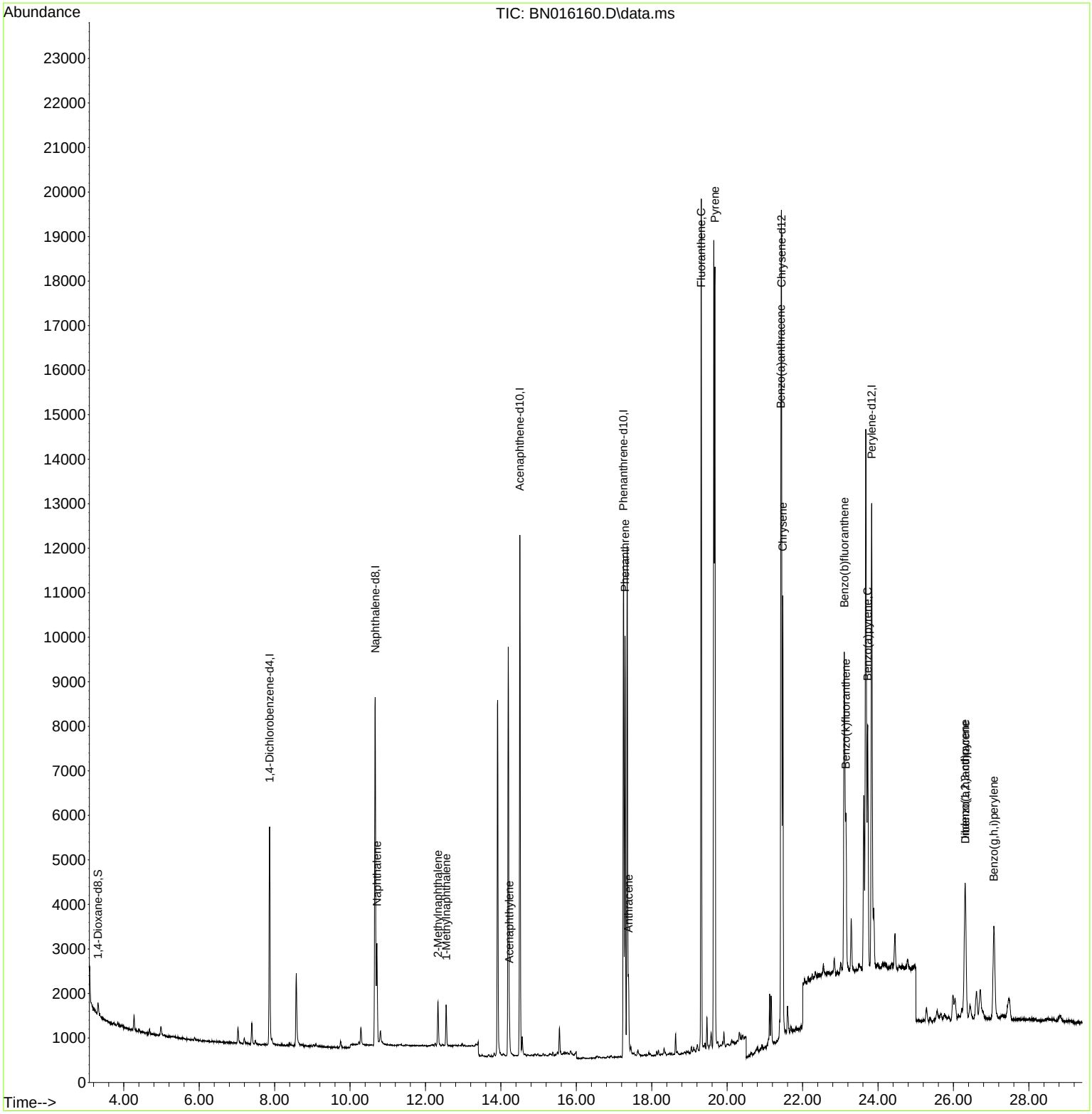
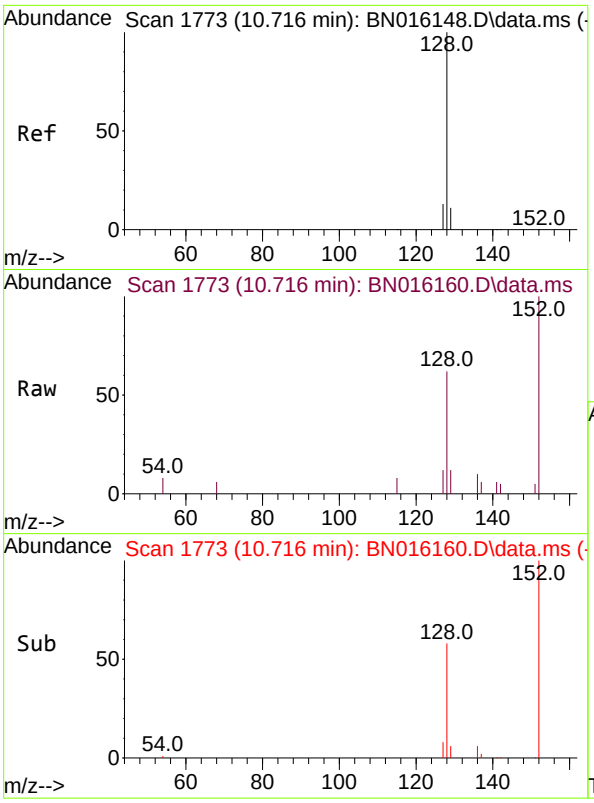
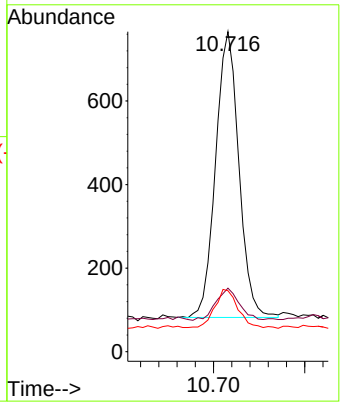





#5
Naphthalene
Concen: 0.039 ng/ul
RT: 10.716 min Scan# 1773
Delta R.T. 0.005 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:128 Resp: 1211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 19.8 | 9.4 | 14.2# |
| 127 | 19.1 | 10.6 | 15.8# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

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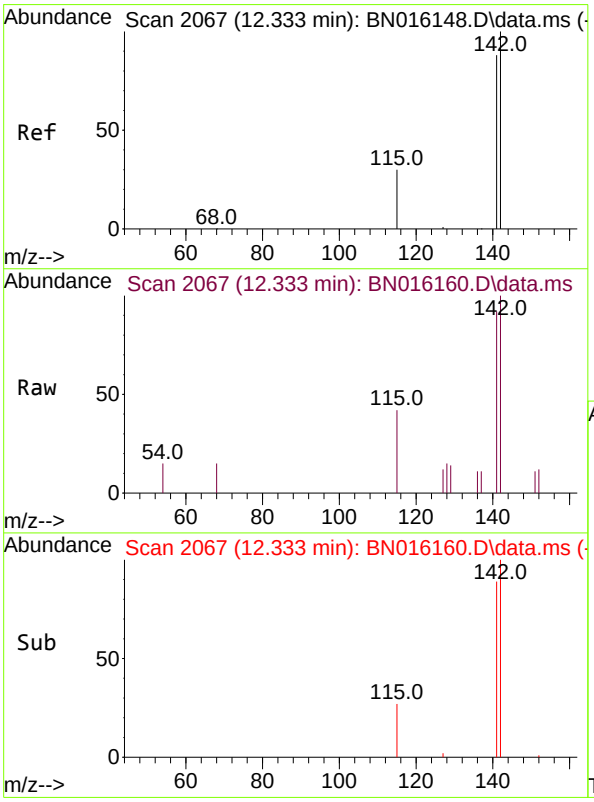
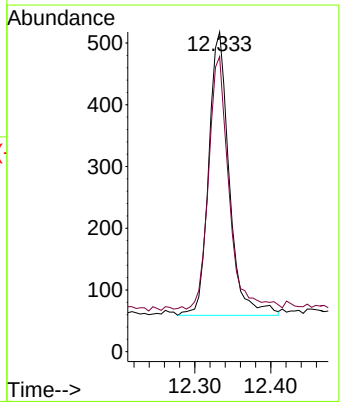
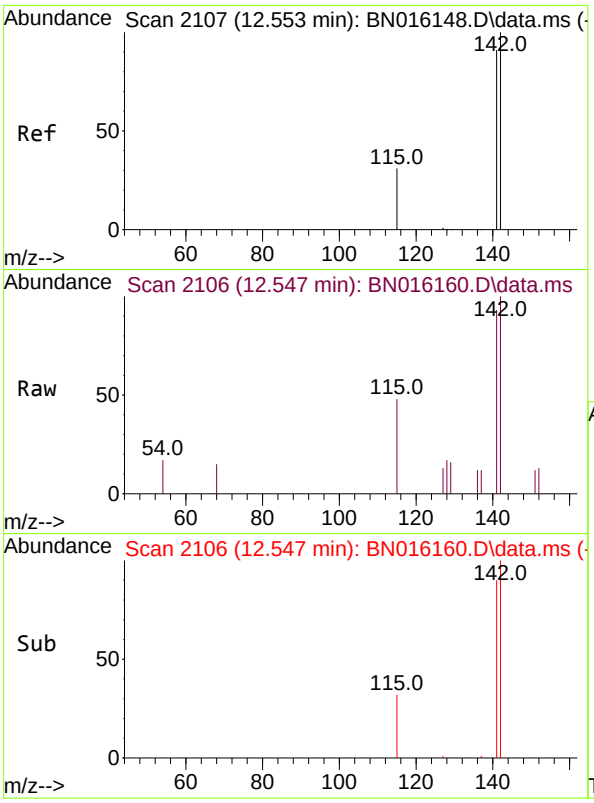



#7
2-Methylnaphthalene
Concen: 0.042 ng/ul
RT: 12.333 min Scan# 2067
Delta R.T. 0.005 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:142 Resp: 860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.1 | 69.5 | 104.3 |

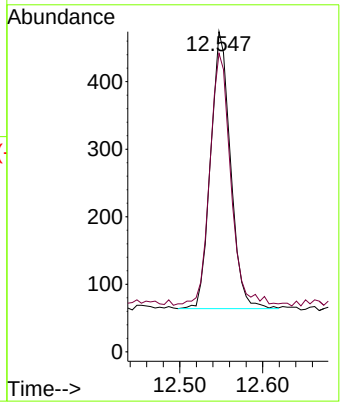





#8
1-Methylnaphthalene
Concen: 0.034 ng/ul
RT: 12.547 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:142 Resp: 683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 72.2 | 108.4 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
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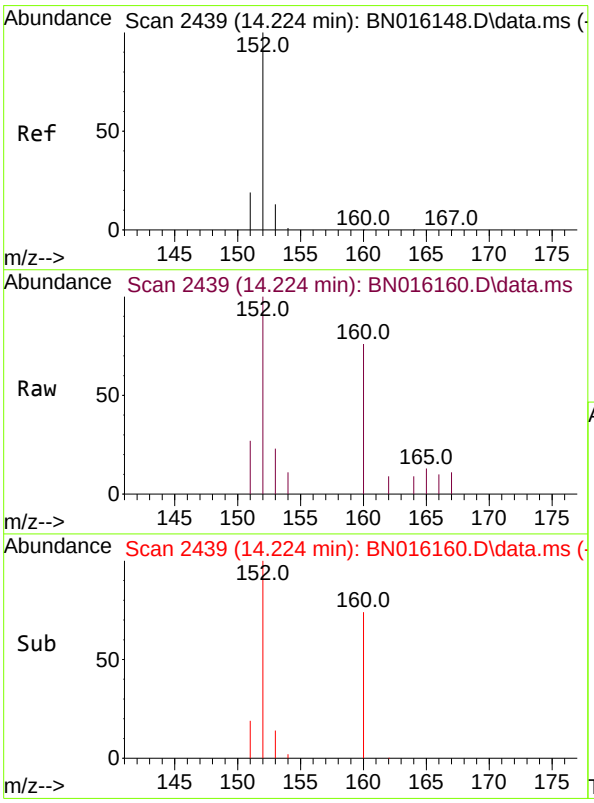
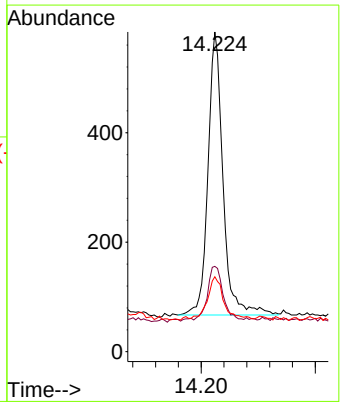
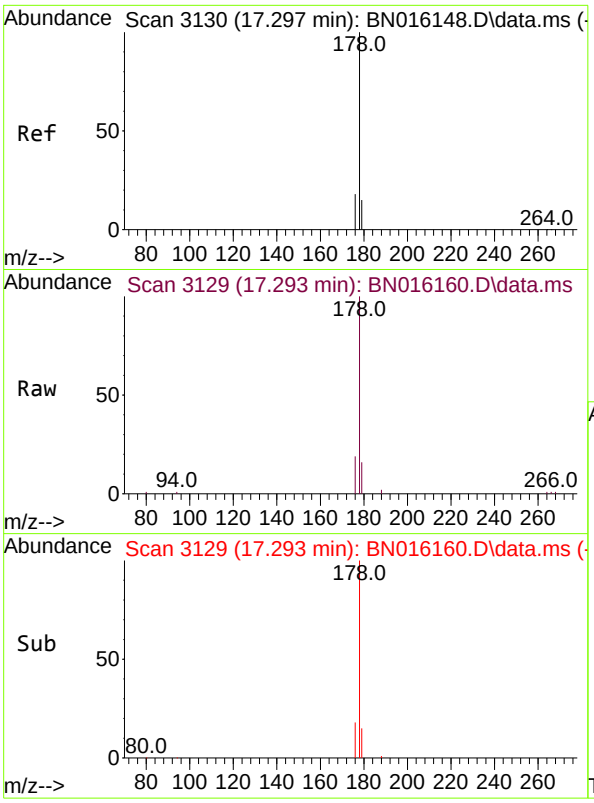



#10
Acenaphthylene
Concen: 0.036 ng/ul
RT: 14.224 min Scan# 2439
Delta R.T. 0.005 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:152 Resp: 947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 26.7 | 15.8 | 23.6# |
| 153 | 23.5 | 11.2 | 16.8# |

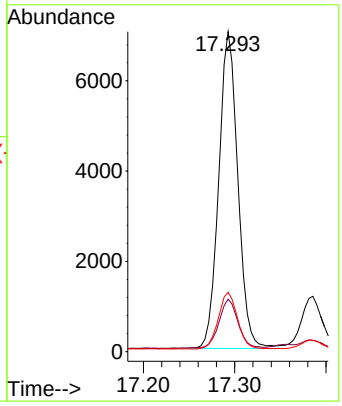





#15
Phenanthrene
Concen: 0.249 ng/ul
RT: 17.293 min Scan# 3129
Delta R.T. -0.000 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:178 Resp: 10172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.9 | 19.3 |
| 176 | 18.5 | 15.2 | 22.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
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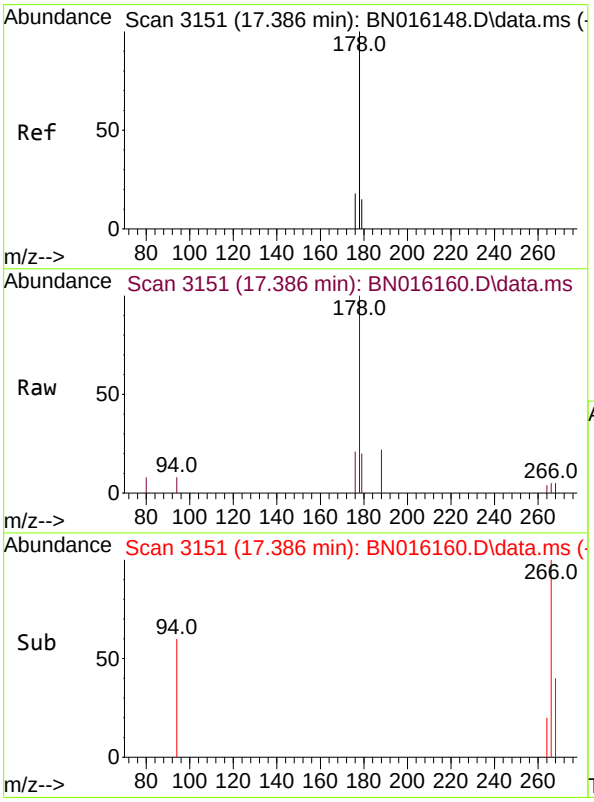
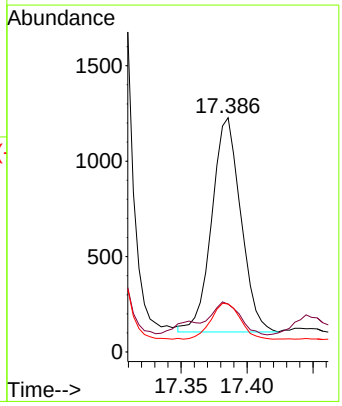
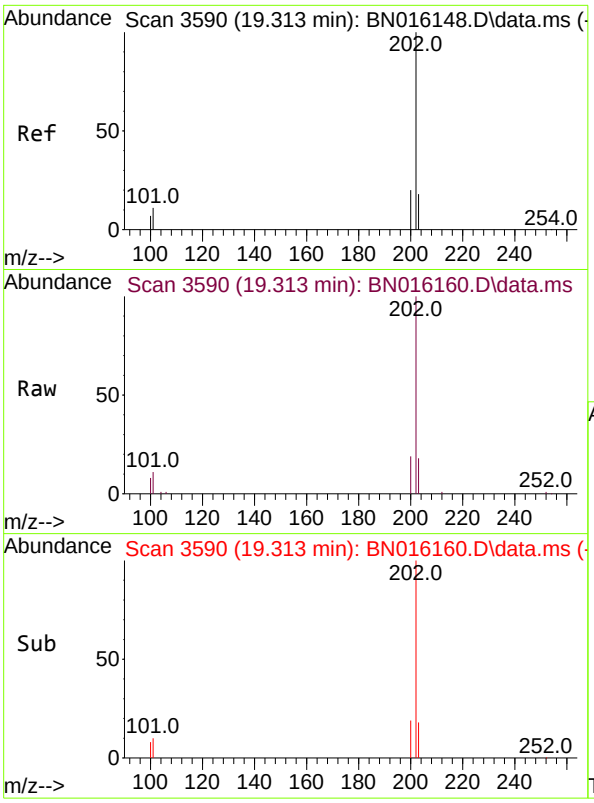



#16
Anthracene
Concen: 0.049 ng/ul
RT: 17.386 min Scan# 3151
Delta R.T. 0.004 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:178 Resp: 1717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.4 | 13.3 | 19.9# |
| 176 | 20.5 | 14.9 | 22.3 |

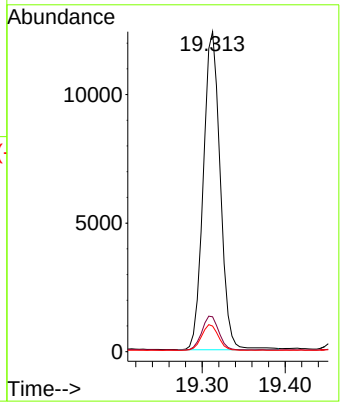


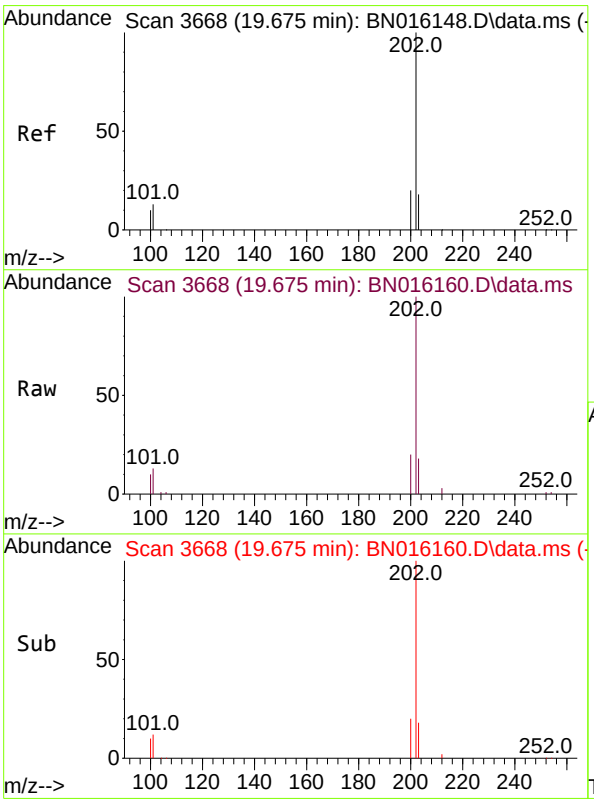



#19
Fluoranthene
Concen: 0.354 ng/ul
RT: 19.313 min Scan# 3590
Delta R.T. -0.000 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:202 Resp: 17574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.9 | 9.2 | 13.8 |
| 100 | 8.0 | 6.7 | 10.1 |

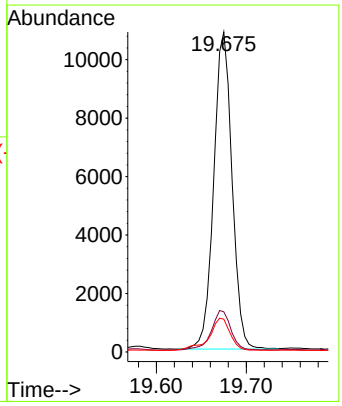



#20
Pyrene
Concen: 0.304 ng/ul
RT: 19.675 min Scan# 3668
Delta R.T. -0.000 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:202 Resp: 15311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 11.5 | 17.3 |
| 100 | 10.2 | 9.8 | 14.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

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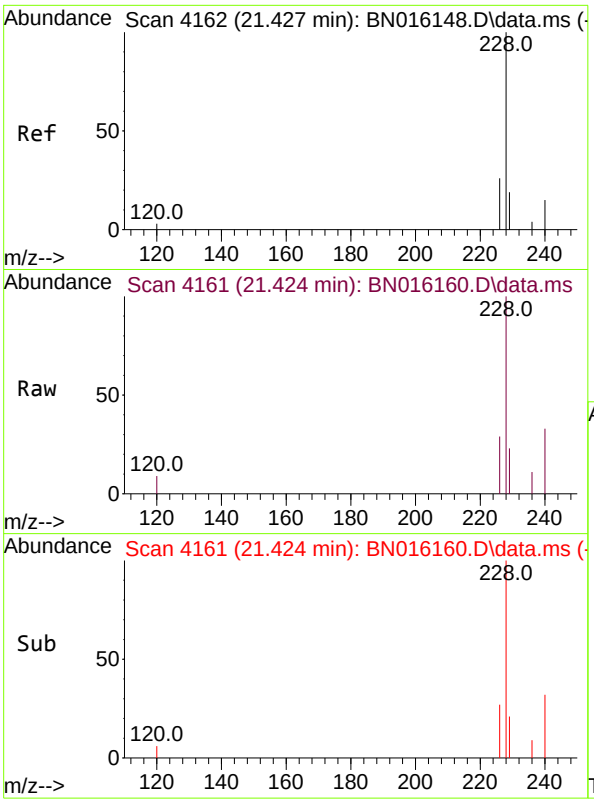
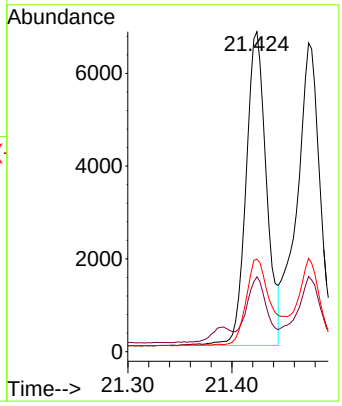



#21
Benzo(a)anthracene
Concen: 0.202 ng/ul
RT: 21.424 min Scan# 4161
Delta R.T. -0.000 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:228 Resp: 9215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.4 | 15.7 | 23.5 |
| 226 | 28.9 | 20.8 | 31.2 |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
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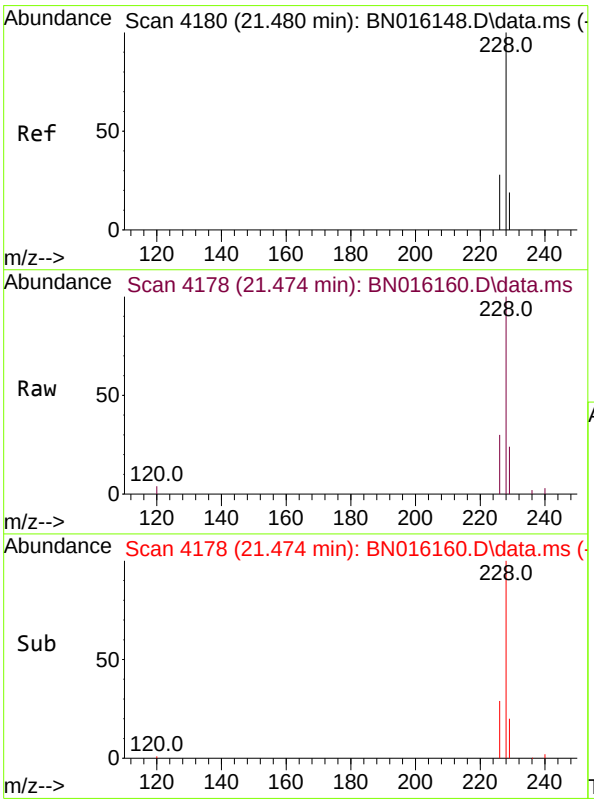
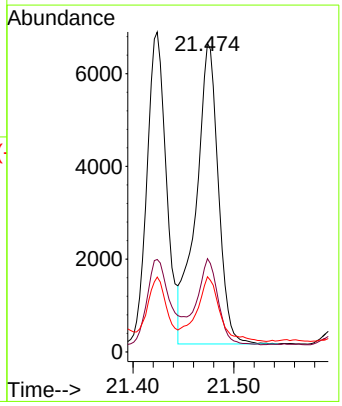
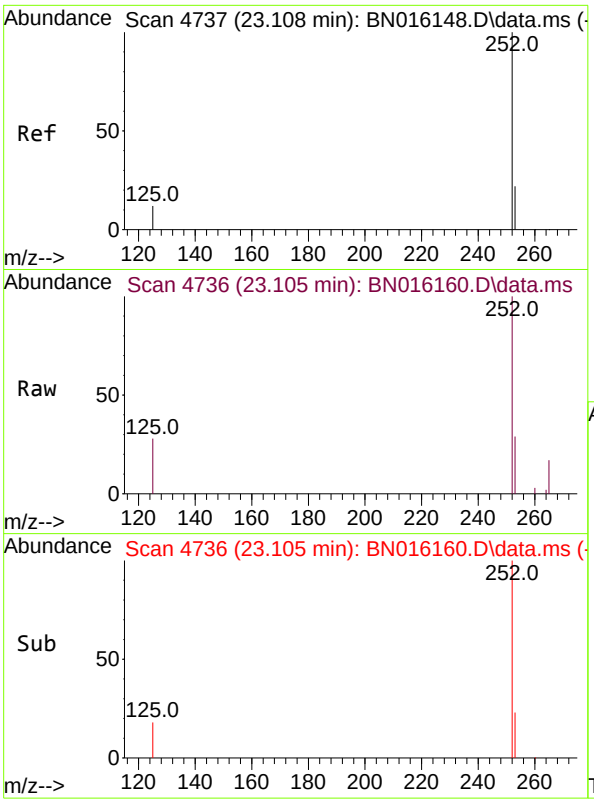



#22
Chrysene
Concen: 0.193 ng/ul
RT: 21.474 min Scan# 4178
Delta R.T. -0.003 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:228 Resp: 9954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.2 | 34.8 |
| 229 | 24.3 | 15.6 | 23.4# |

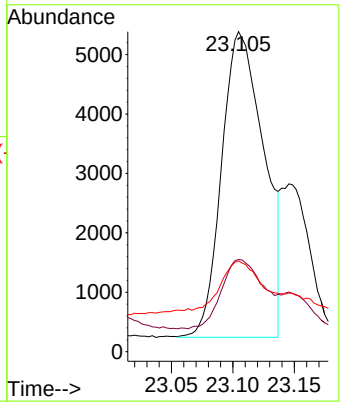


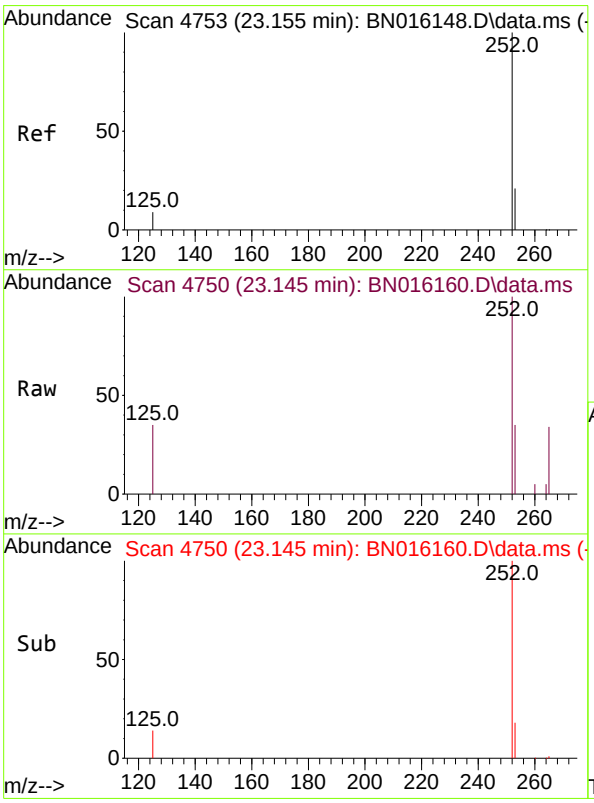



#24
Benzo(b)fluoranthene
Concen: 0.219 ng/ul m
RT: 23.105 min Scan# 4736
Delta R.T. -0.000 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:252 Resp: 12347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 0.0 | 49.4 |
| 125 | 28.4 | 0.0 | 27.0# |

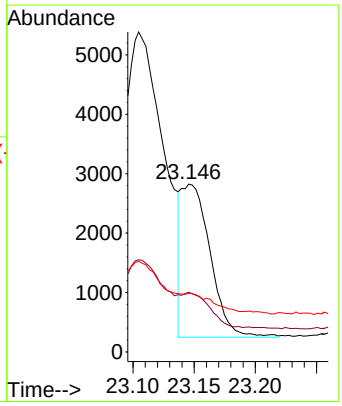



#25
Benzo(k)fluoranthene
Concen: 0.075 ng/ul m
RT: 23.145 min Scan# 4750
Delta R.T. -0.009 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:252 Resp: 4238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 35.5 | 19.4 | 29.0# |
| 125 | 35.0 | 10.9 | 16.3# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
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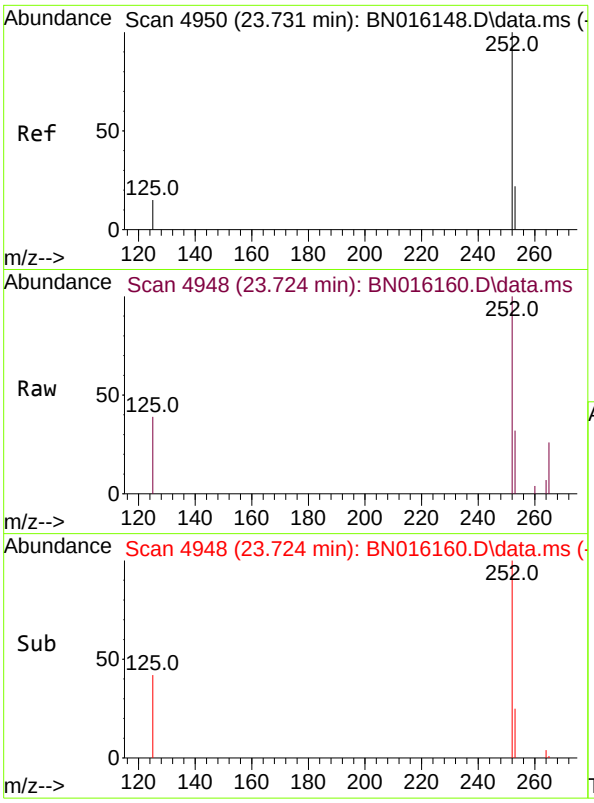
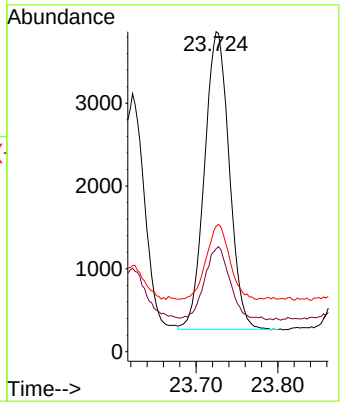
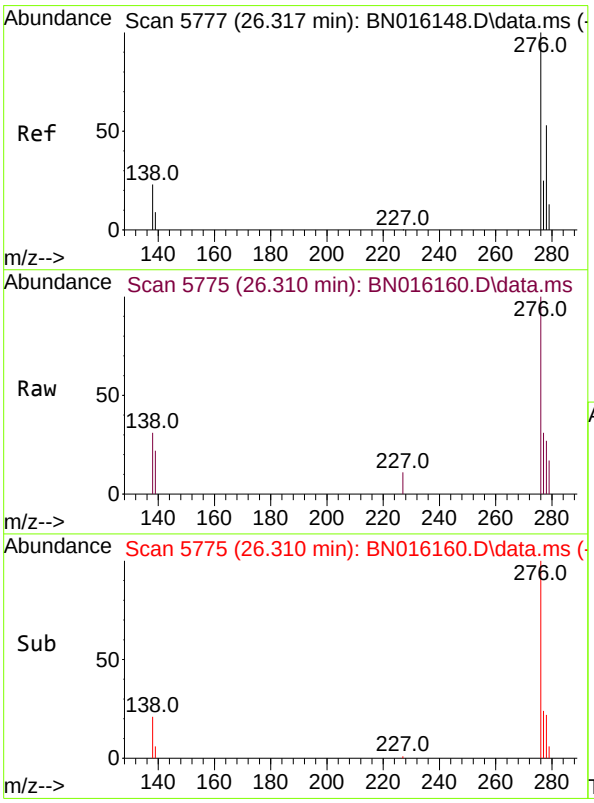



#26
Benzo(a)pyrene
Concen: 0.158 ng/ul
RT: 23.724 min Scan# 4948
Delta R.T. -0.006 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:252 Resp: 7571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.2 | 20.2 | 30.2# |
| 125 | 39.1 | 12.6 | 18.8# |

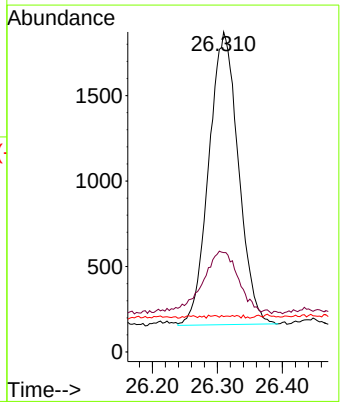



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.088 ng/ul
RT: 26.310 min Scan# 5775
Delta R.T. -0.007 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:276 Resp: 5402

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.2 | 22.7 | 34.1 |
| 227 | 0.5 | 0.2 | 0.2# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
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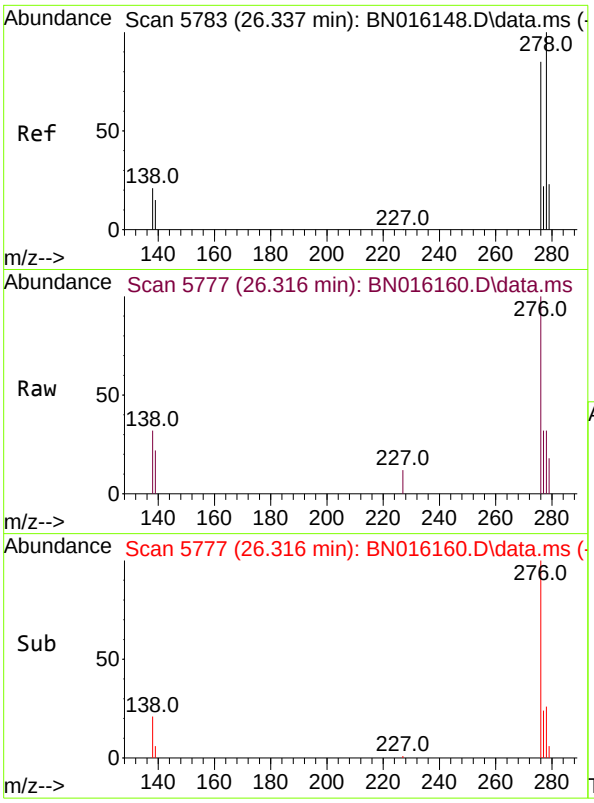
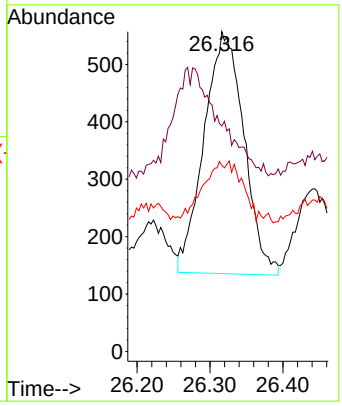
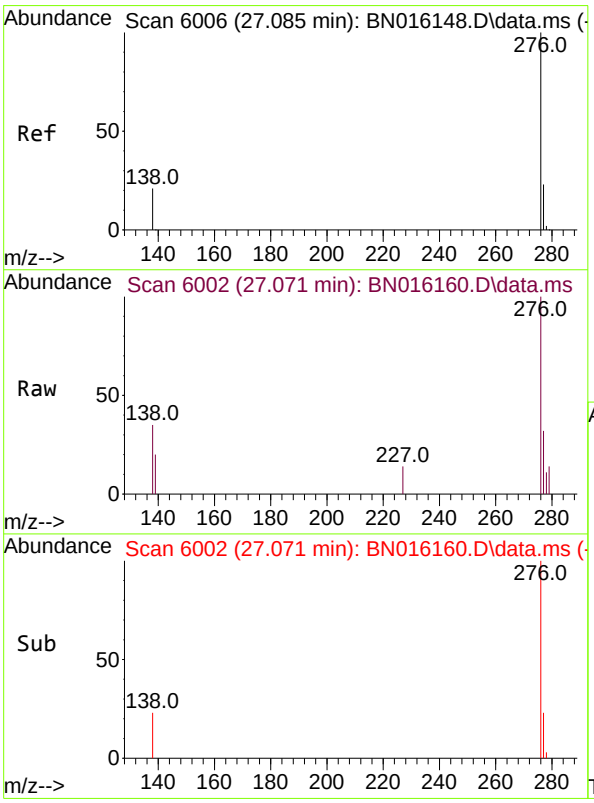



#28
Dibenzo(a,h)anthracene
Concen: 0.031 ng/ul
RT: 26.316 min Scan# 5777
Delta R.T. -0.014 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:278 Resp: 1602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 70.6 | 15.1 | 22.7# |
| 279 | 58.2 | 20.5 | 30.7# |

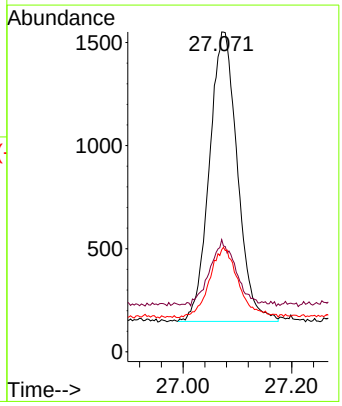



#29
Benzo(g,h,i)perylene
Concen: 0.093 ng/ul
RT: 27.071 min Scan# 6002
Delta R.T. -0.004 min
Lab File: BN016160.D
Acq: 03 Sep 2021 05:37

Tgt Ion:276 Resp: 5002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 35.1 | 19.3 | 28.9# |
| 277 | 31.9 | 19.8 | 29.8# |




**Instrument :**
BNA_N
**ClientSampleId :**
C0AC2DL

**Manual Integrations APPROVED**
mohammad
9/7/2021 11:32:12 AM