Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\

Quantitation Report (Not Reviewed)

Data File : BM021941.D
Acq On : 08 Aug 2019 19:56
Operator : HP/JU
Sample : K4029-14DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BENY4DL

Quant Time: Aug 09 01:32:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 986 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.41 | 136 | 4240 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.28 | 164 | 2310 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.03 | 188 | 5078 | 0.40 | ng/ul | -0.01 |
| 16) Chrysene-d12 | 21.23 | 240 | 4904 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.45 | 264 | 6463 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.03 | 152 | 267 | 0.04 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.07 | 212 | 655 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 7) Acenaphthylene | 14.00 | 152 | 553 | 0.051 | ng/ul# | 71 |
| 12) Phenanthrene | 17.07 | 178 | 3310 | 0.224 | ng/ul | 98 |
| 13) Anthracene | 17.17 | 178 | 741 | 0.059 | ng/ul# | 82 |
| 15) Fluoranthene | 19.10 | 202 | 10367 | 0.524 | ng/ul | 99 |
| 17) Pyrene | 19.46 | 202 | 9831 | 0.488 | ng/ul | 96 |
| 18) Benzo(a)anthracene | 21.22 | 228 | 5663 | 0.323 | ng/ul | 96 |
| 19) Chrysene | 21.27 | 228 | 5573 | 0.247 | ng/ul | 96 |
| 21) Benzo(b)fluoranthene | 22.78 | 252 | 12154 | 0.558 | ng/ul | 95 |
| 22) Benzo(k)fluoranthene | 22.78 | 252 | 12154 | 0.493 | ng/ul | 95 |
| 23) Benzo(a)pyrene | 23.35 | 252 | 5422 | 0.245 | ng/ul | 94 |
| 24) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 4327 | 0.164 | ng/ul# | 96 |
| 25) Dibenzo(a,h)anthracene | 25.67 | 278 | 987 | 0.046 | ng/ul# | 45 |
| 26) Benzo(g,h,i)perylene | 26.35 | 276 | 3660 | 0.154 | ng/ul# | 94 |

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

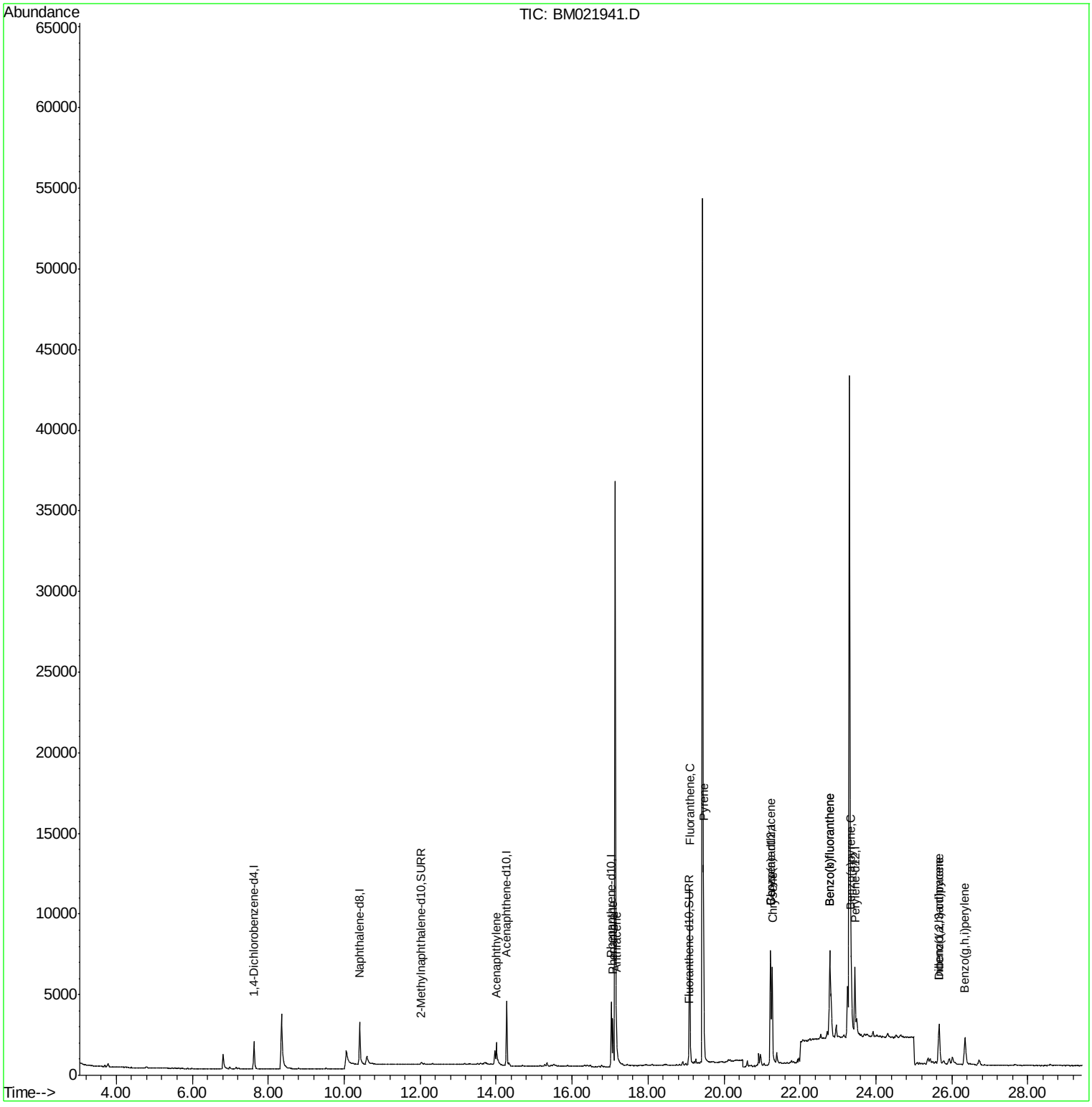
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080719\

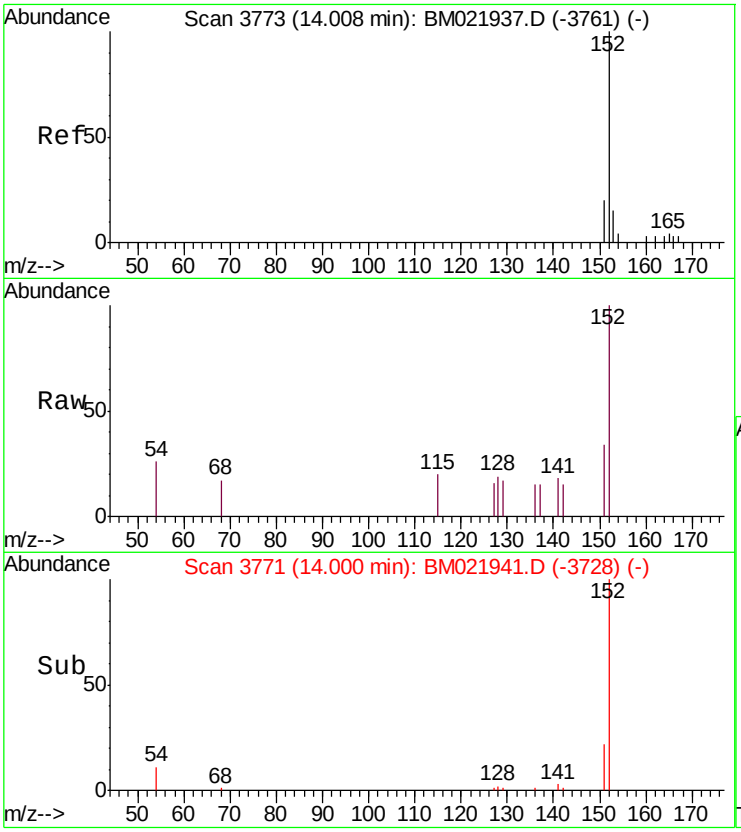
Quantitation Report (Not Reviewed)

Data File : BM021941.D
Acq On : 08 Aug 2019 19:56
Operator : HP/JU
Sample : K4029-14DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Quant Time: Aug 09 01:32:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 09 01:29:50 2019
Response via : Initial Calibration



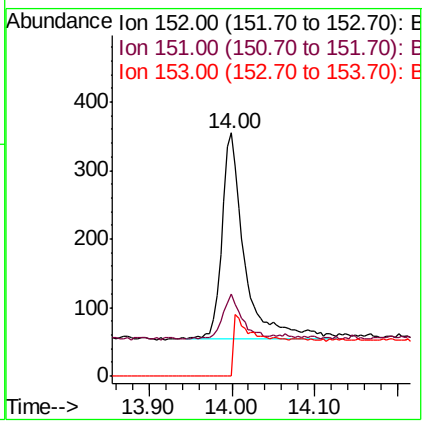


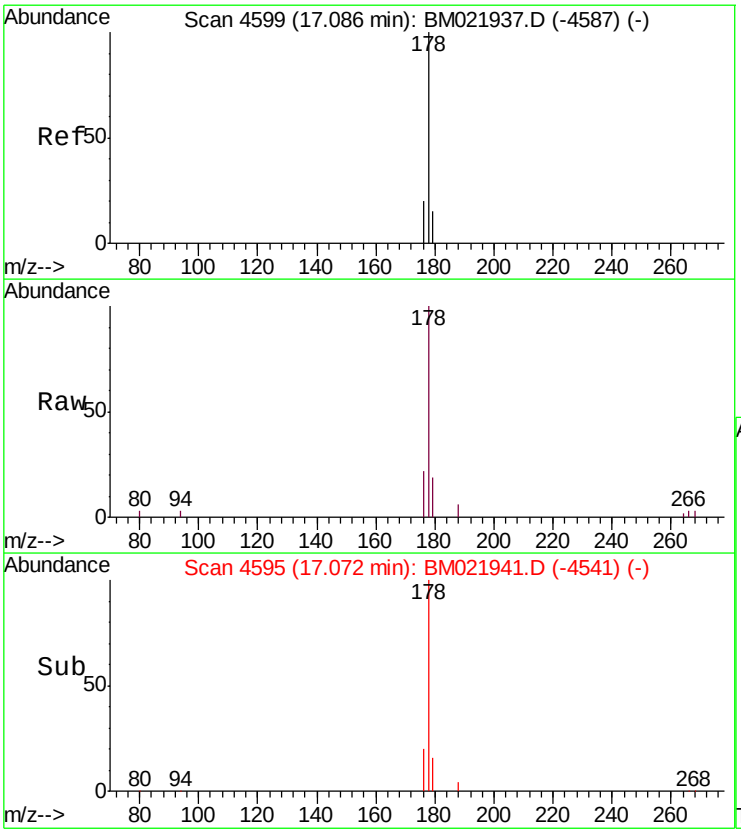

#7
Acenaphthylene
Concen: 0.051 ng/ul
RT: 14.00 min Scan# 3771
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:152 Resp: 553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 33.8 | 18.3 | 27.5# |
| 153 | 0.0 | 12.8 | 19.2# |

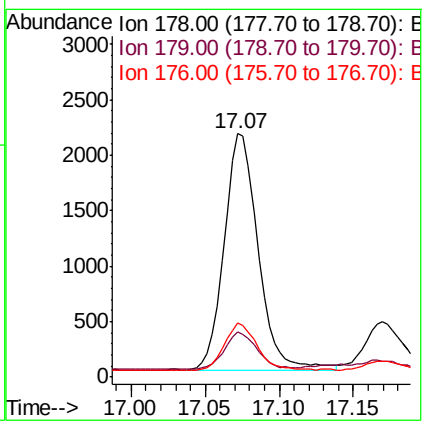


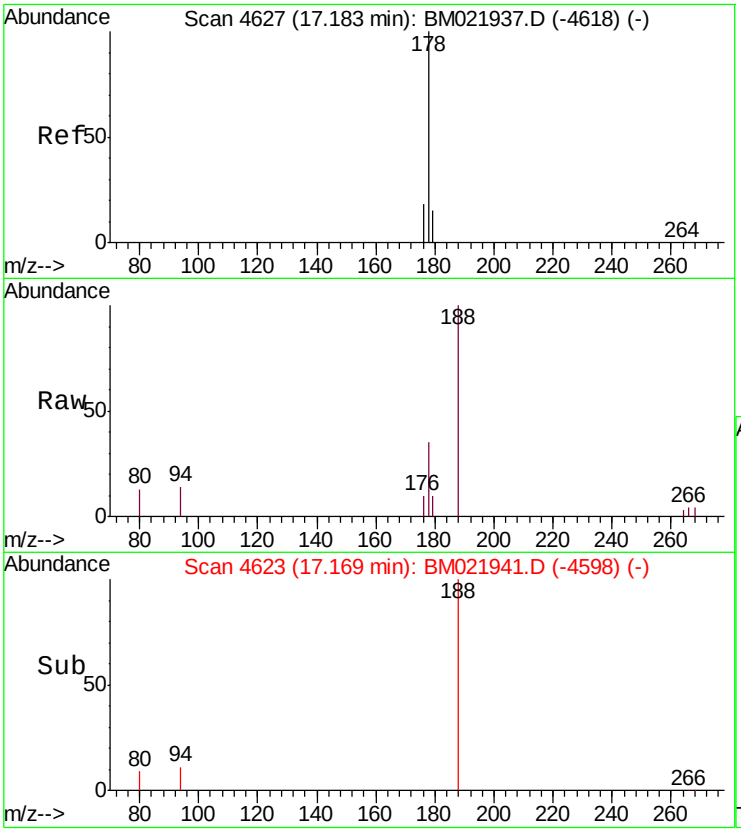




#12
Phenanthrene
Concen: 0.224 ng/ul
RT: 17.07 min Scan# 4595
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

Tgt Ion:178 Resp: 3310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.5 | 14.2 | 21.2 |
| 176 | 22.2 | 16.8 | 25.2 |



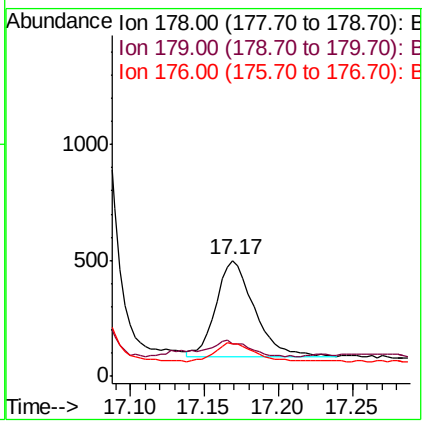


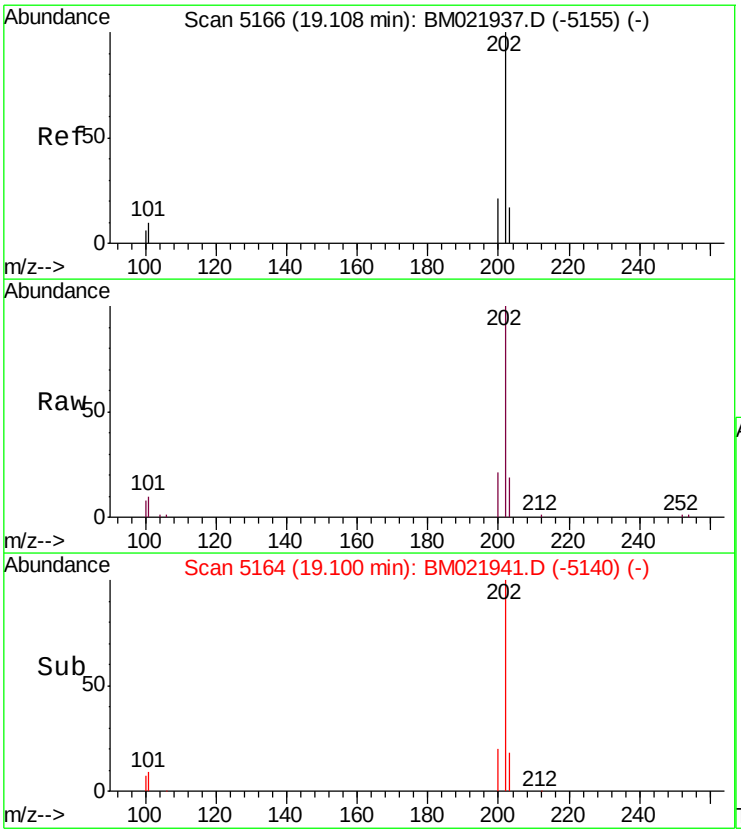

#13
Anthracene
Concen: 0.059 ng/ul
RT: 17.17 min Scan# 4623
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:178 Resp: 741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 28.3 | 15.5 | 23.3# |
| 176 | 28.1 | 16.6 | 25.0# |

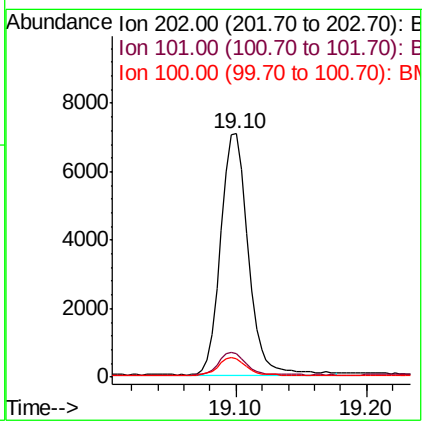


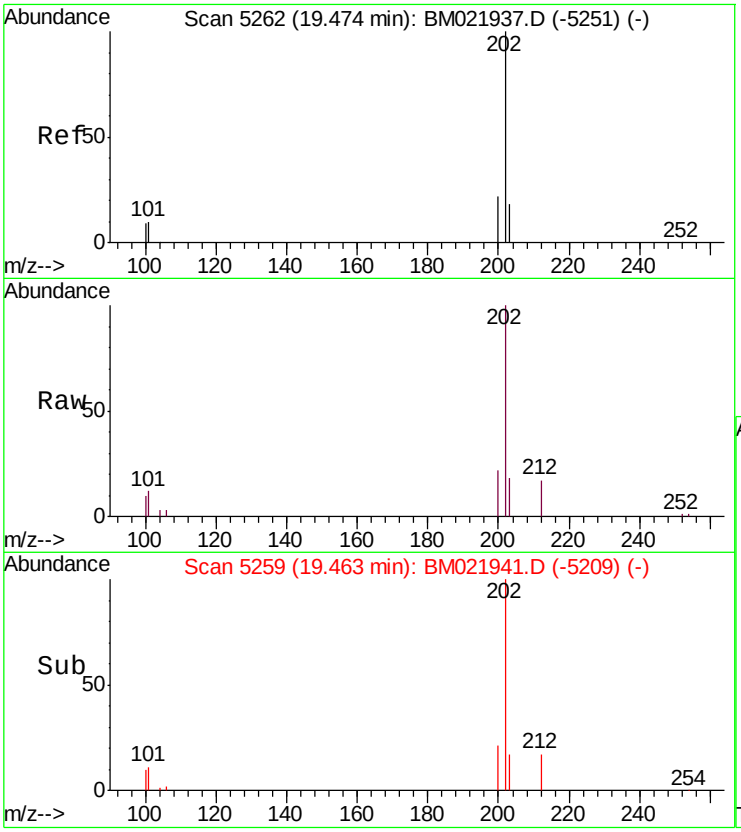




#15
Fluoranthene
Concen: 0.524 ng/ul
RT: 19.10 min Scan# 5164
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

Tgt Ion:202 Resp: 10367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 0.0 | 30.2 |
| 100 | 7.5 | 0.0 | 28.1 |



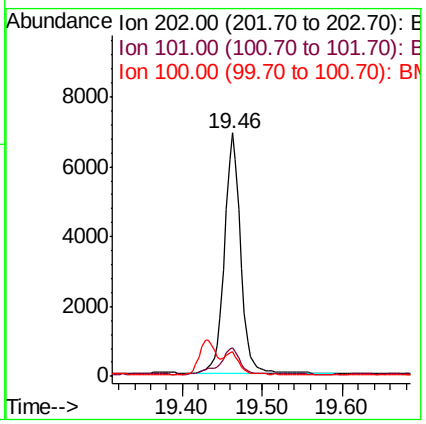


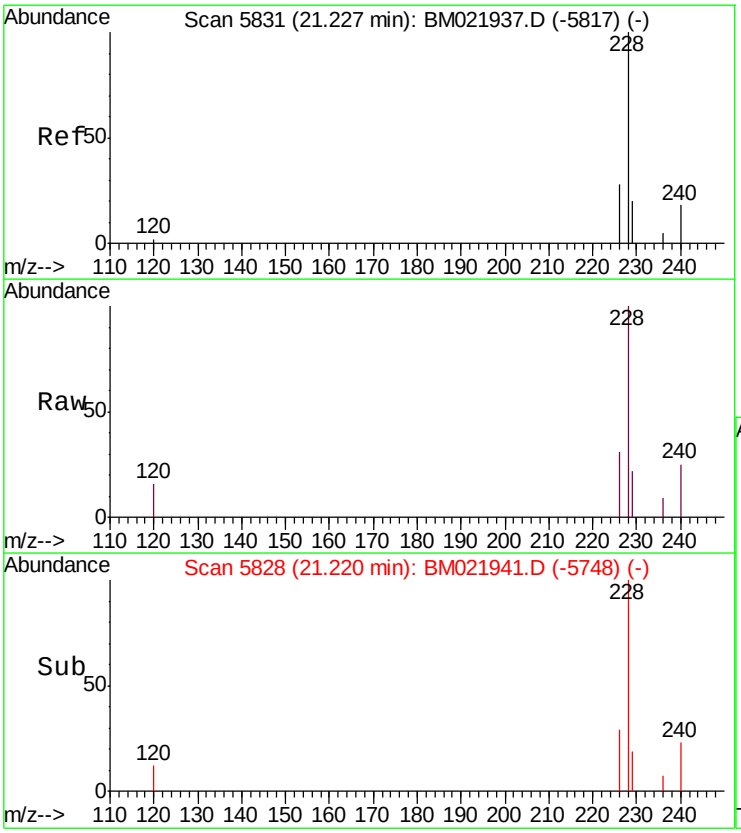

#17
Pyrene
Concen: 0.488 ng/ul
RT: 19.46 min Scan# 5259
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:202 Resp: 9831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 8.3 | 12.5 |
| 100 | 10.3 | 7.2 | 10.8 |

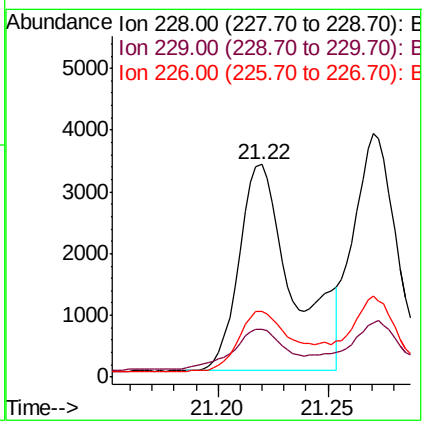


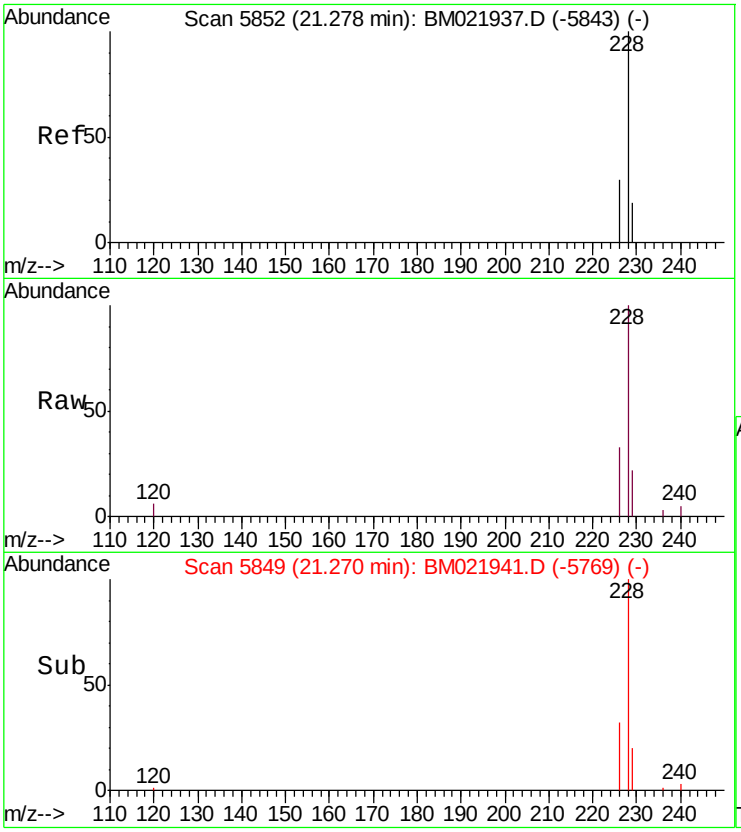




#18
Benzo(a)anthracene
Concen: 0.323 ng/ul
RT: 21.22 min Scan# 5828
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

Tgt Ion:228 Resp: 5663

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.2 | 17.2 | 25.8 |
| 226 | 31.1 | 22.6 | 34.0 |



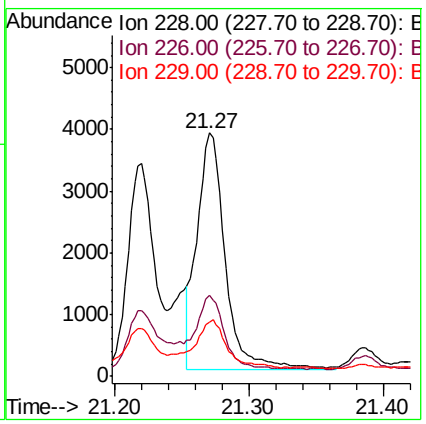


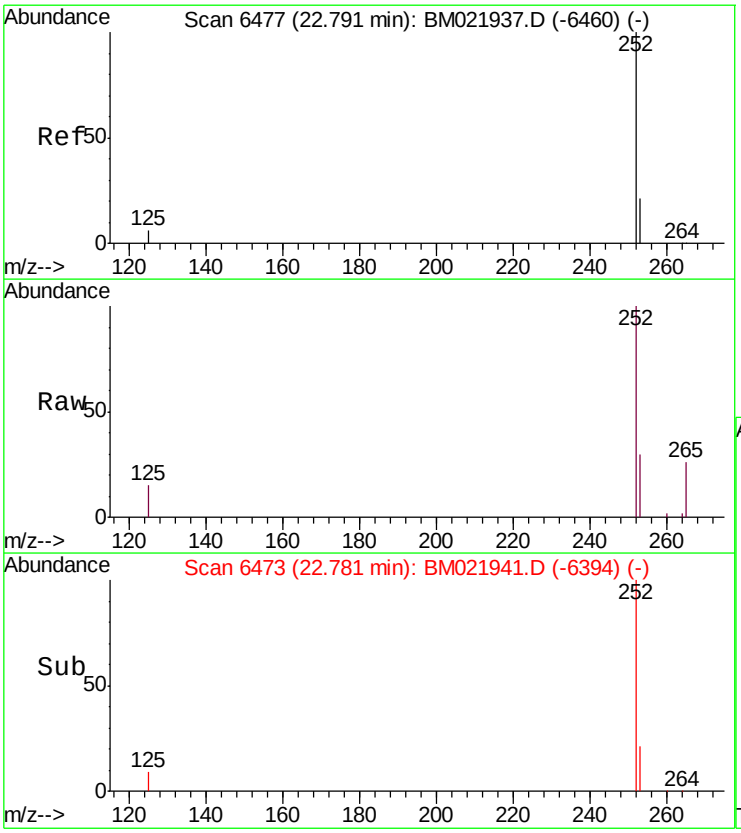

#19
Chrysene
Concen: 0.247 ng/ul
RT: 21.27 min Scan# 5849
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:228 Resp: 5573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.3 | 24.9 | 37.3 |
| 229 | 22.3 | 16.6 | 25.0 |

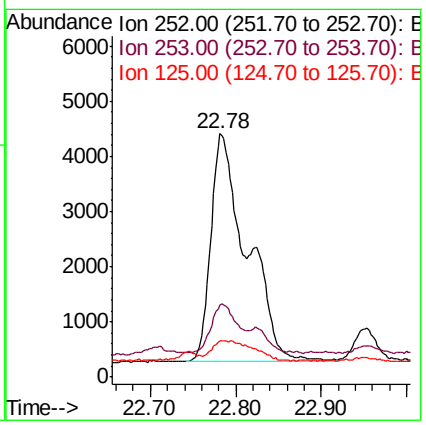


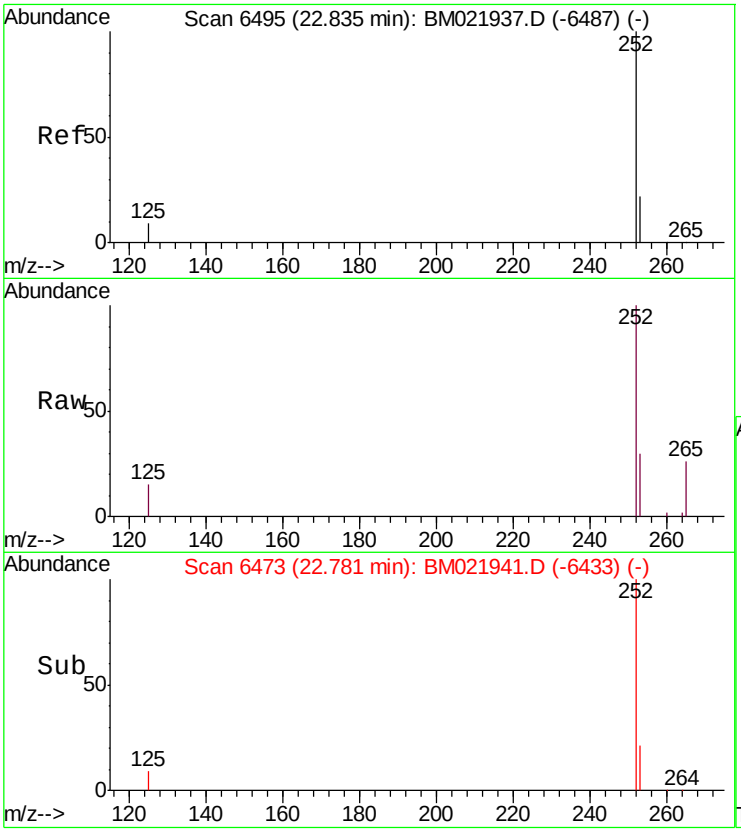




#21
Benzo(b)fluoranthene
Concen: 0.558 ng/ul
RT: 22.78 min Scan# 6473
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

Tgt Ion:252 Resp: 12154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.8 | 0.0 | 67.4 |
| 125 | 15.1 | 0.0 | 31.0 |



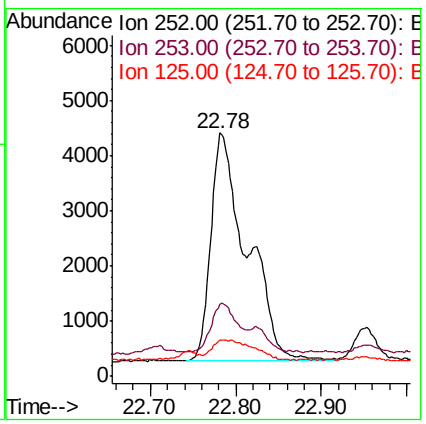


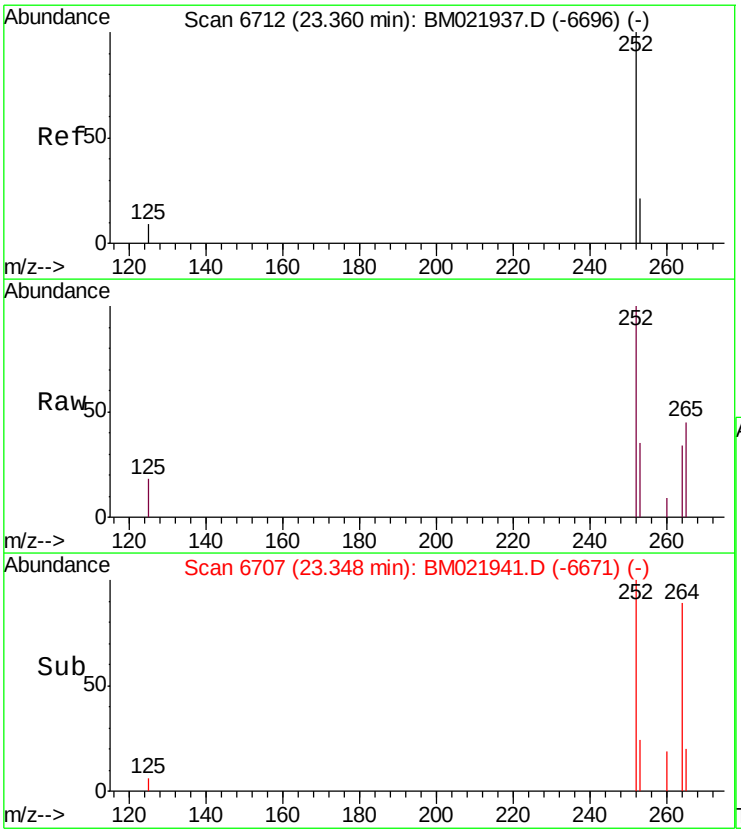

#22
Benzo(k)fluoranthene
Concen: 0.493 ng/ul
RT: 22.78 min Scan# 6473
Delta R.T. -0.05 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:252 Resp: 12154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.8 | 27.0 | 40.4 |
| 125 | 15.1 | 12.2 | 18.2 |

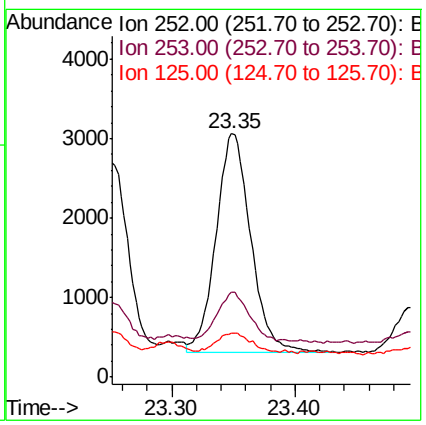


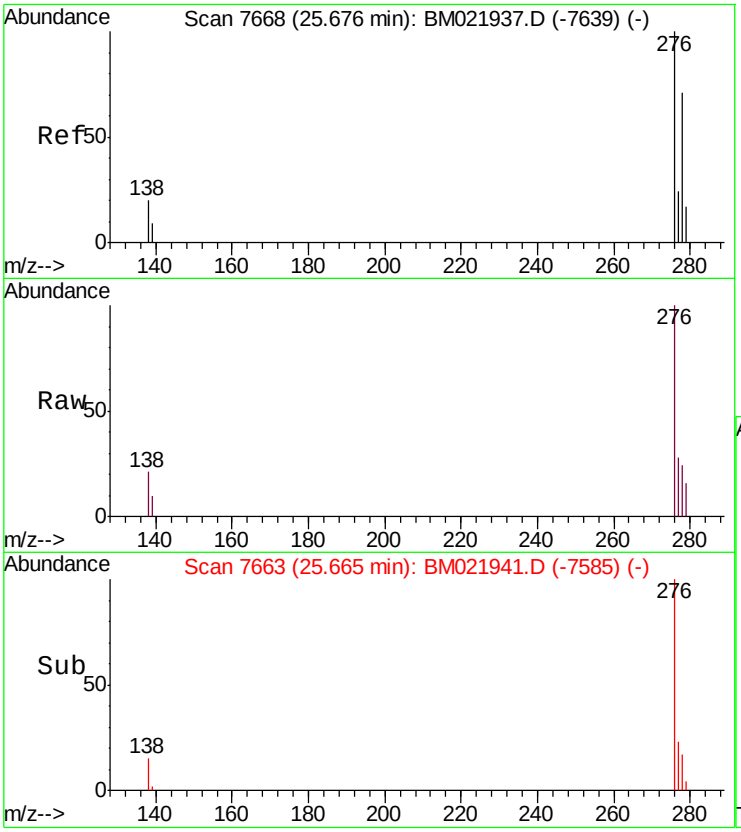




#23
Benzo(a)pyrene
Concen: 0.245 ng/ul
RT: 23.35 min Scan# 6707
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

Tgt Ion:252 Resp: 5422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 34.6 | 31.7 | 47.5 |
| 125 | 18.0 | 14.6 | 21.8 |



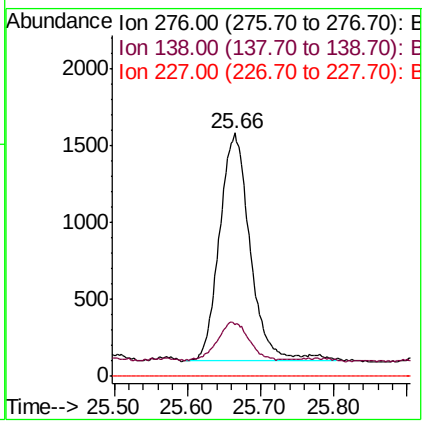


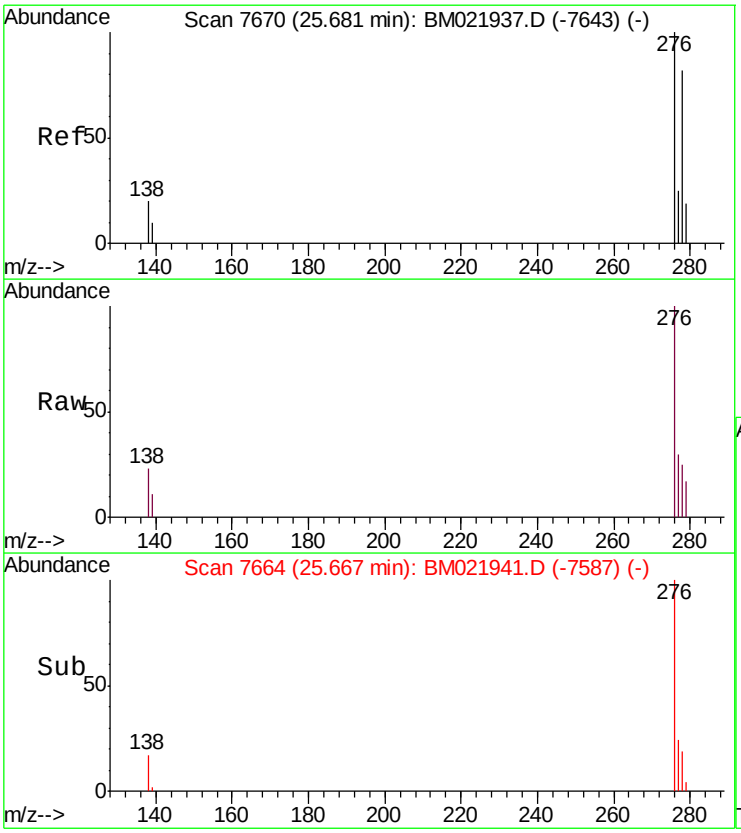

#24
Indeno(1,2,3-cd)pyrene
Concen: 0.164 ng/ul
RT: 25.66 min Scan# 7663
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:276 Resp: 4327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.1 | 15.1 | 22.7 |
| 227 | 0.0 | 0.0 | 0.0 |

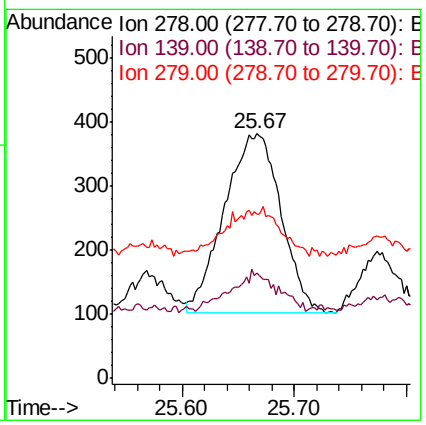


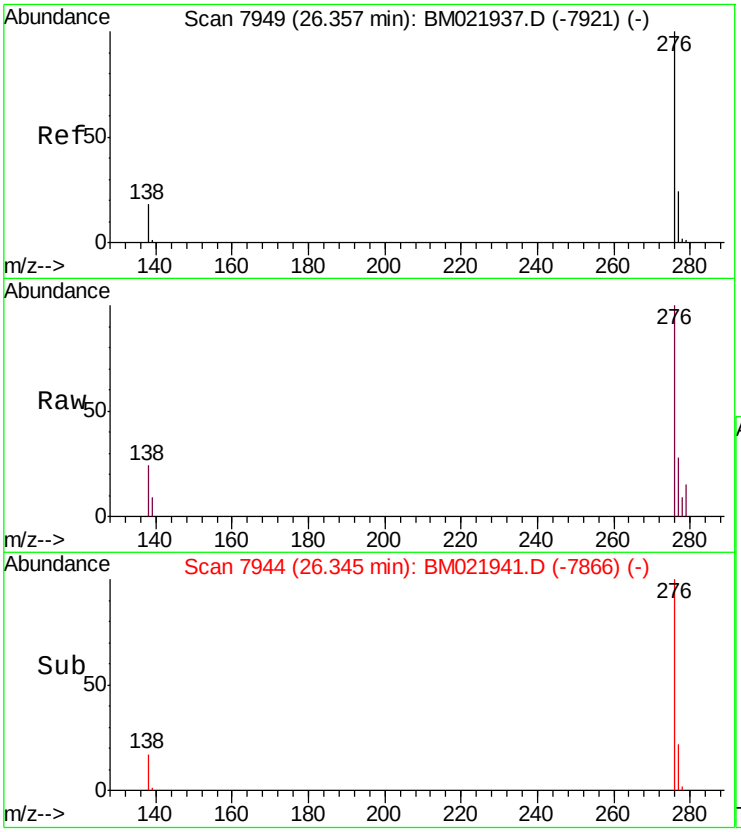




#25
Dibenzo(a,h)anthracene
Concen: 0.046 ng/ul
RT: 25.67 min Scan# 7664
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

Tgt Ion:278 Resp: 987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 42.8 | 14.2 | 21.2# |
| 279 | 67.2 | 28.3 | 42.5# |






#26
Benzo(g,h,i)perylene
Concen: 0.154 ng/ul
RT: 26.35 min Scan# 7944
Delta R.T. -0.01 min
Lab File: BM021941.D
Acq: 08 Aug 2019 19:56

**Instrument :**
BNA_M
**ClientSampleId :**
BENY4DL

Tgt Ion:276 Resp: 3660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.6 | 15.5 | 23.3# |
| 277 | 28.4 | 21.4 | 32.2 |