Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020135.D
Acq On : 06 May 2019 14:48
Operator : JU/SJ
Sample : K2647-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SU-04-050219-A

Quant Time: May 07 05:01:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 133286 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.58 | 136 | 517810 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.43 | 164 | 309020 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.18 | 188 | 719121 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.36 | 240 | 750323 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 23.66 | 264 | 880864 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.37 | 112 | 446694 | 54.78 | ng | | 0.00 |
| 7) Phenol-d6 | 6.95 | 99 | 657526 | 59.03 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.95 | 82 | 446898 | 34.07 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.92 | 330 | 256371 | 53.45 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.05 | 172 | 831611 | 33.11 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.80 | 244 | 1257467 | 29.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 38) 1-Methylnaphthalene | 12.47 | 142 | 105058 | 5.484 | ng | | 99 |
| 50) Dimethylphthalate | 13.89 | 163 | 89947 | 3.425 | ng | | 99 |
| 71) Phenanthrene | 17.22 | 178 | 163743 | 4.125 | ng | | 97 |
| 75) Fluoranthene | 19.24 | 202 | 226766 | 4.515 | ng | | 95 |
| 78) Pyrene | 19.60 | 202 | 236731 | 4.699 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.35 | 228 | 149428 | 2.840 | ng | # | 85 |
| 83) Chrysene | 21.40 | 228 | 140081 | 2.745 | ng | # | 85 |
| 88) Benzo(b)fluoranthene | 22.96 | 252 | 201159 | 3.458 | ng | # | 75 |
| 90) Benzo(a)pyrene | 23.56 | 252 | 140393 | 2.657 | ng | # | 71 |

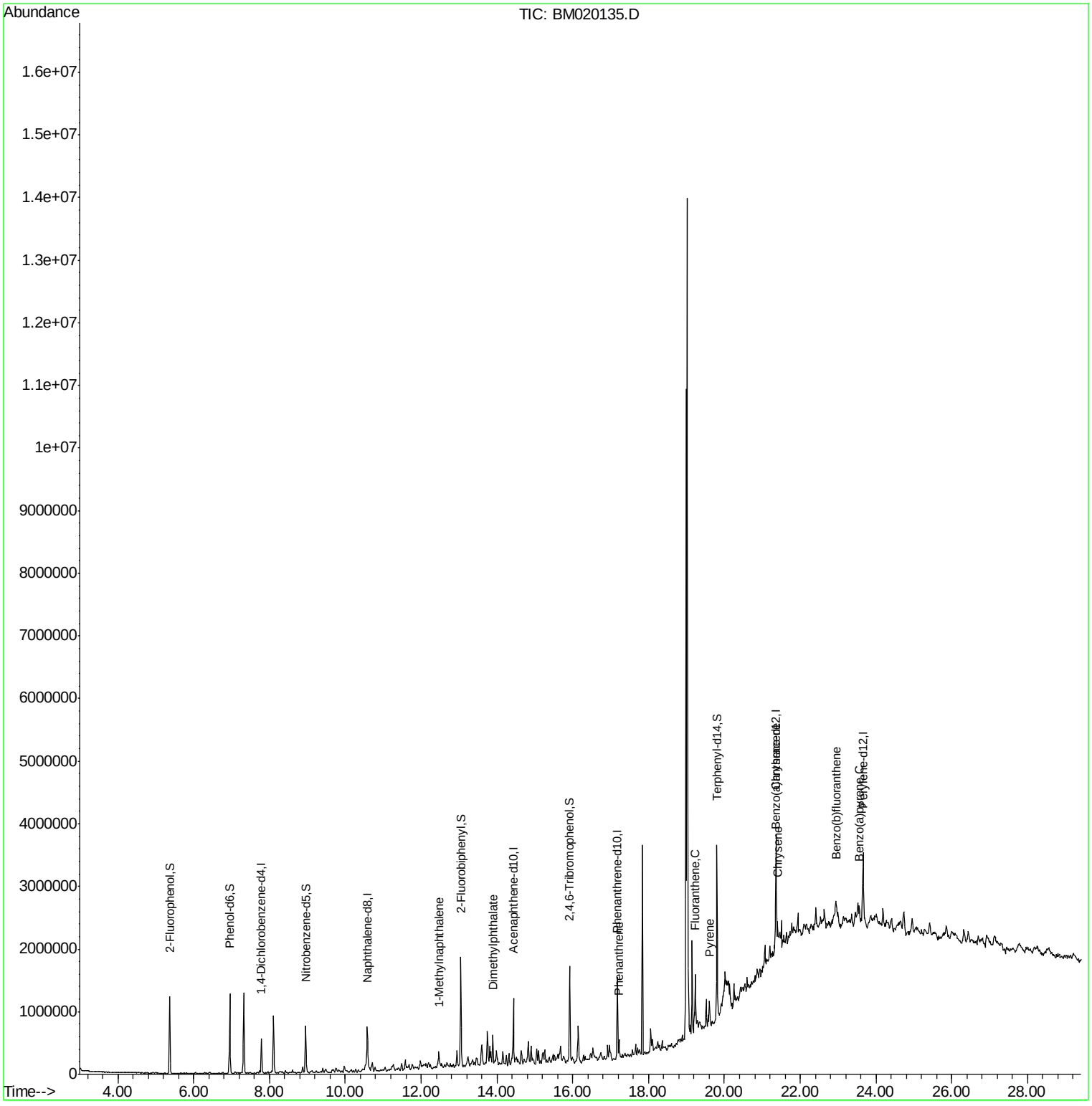
(#) = qualifier out of range (m) = manual integration (+) = signals summed

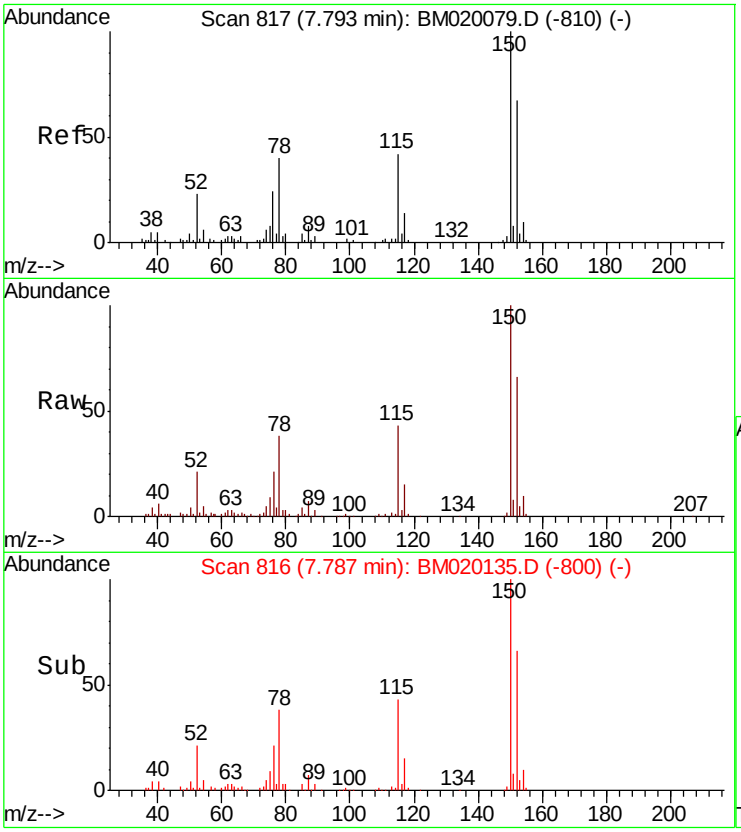
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050619\
Data File : BM020135.D
Acq On : 06 May 2019 14:48
Operator : JU/SJ
Sample : K2647-01 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Quant Time: May 07 05:01:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 03:58:37 2019
Response via : Initial Calibration



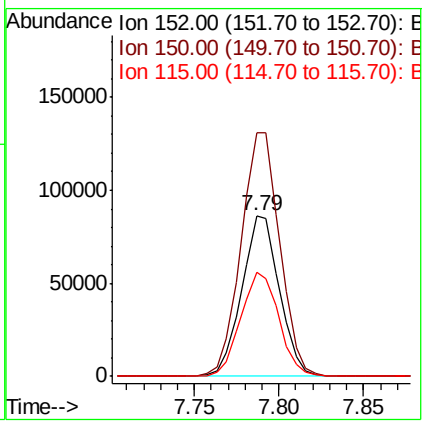


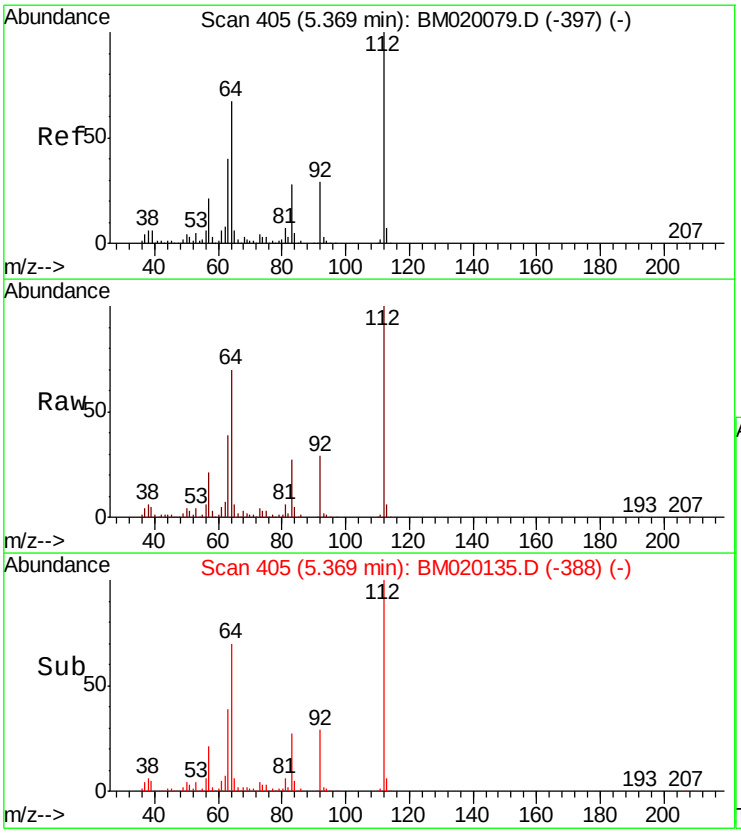

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.79 min Scan# 816
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:152 Resp: 133286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.7 | 119.8 | 179.8 |
| 115 | 65.0 | 50.8 | 76.2 |

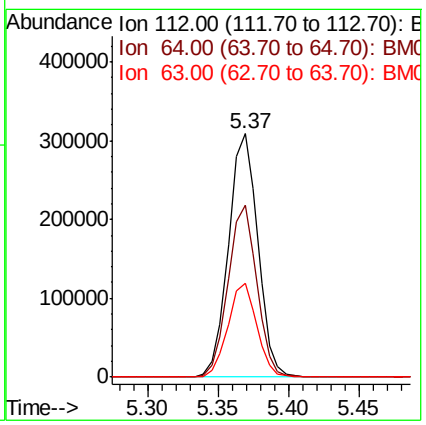


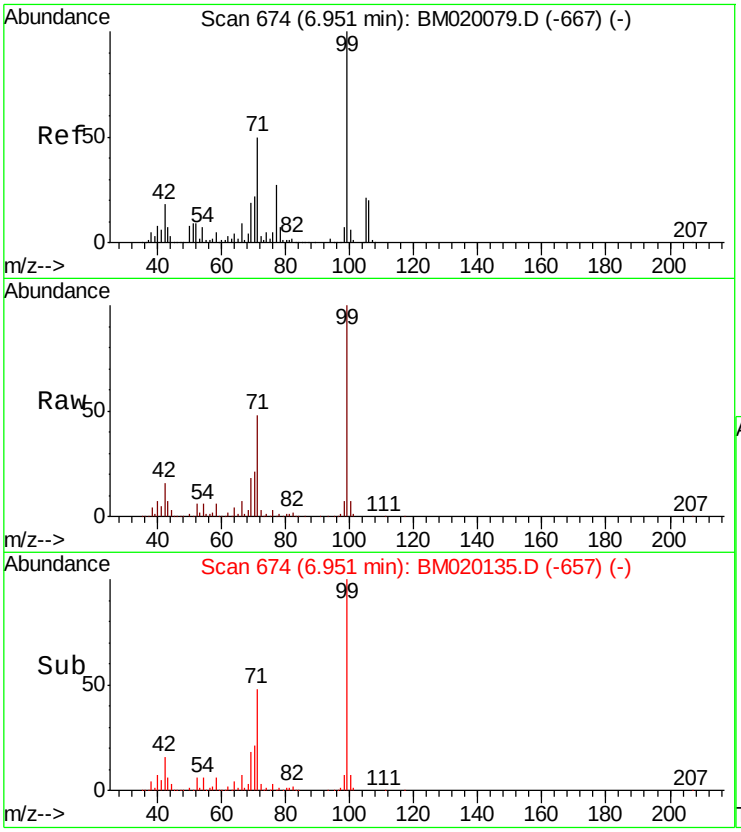




#5
2-Fluorophenol
Concen: 54.782 ng
RT: 5.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:112 Resp: 446694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 70.5 | 53.8 | 80.6 |
| 63 | 38.7 | 32.3 | 48.5 |



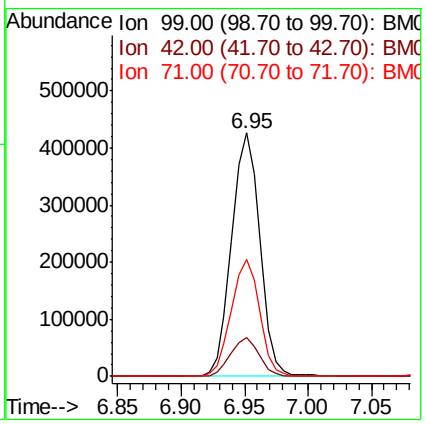


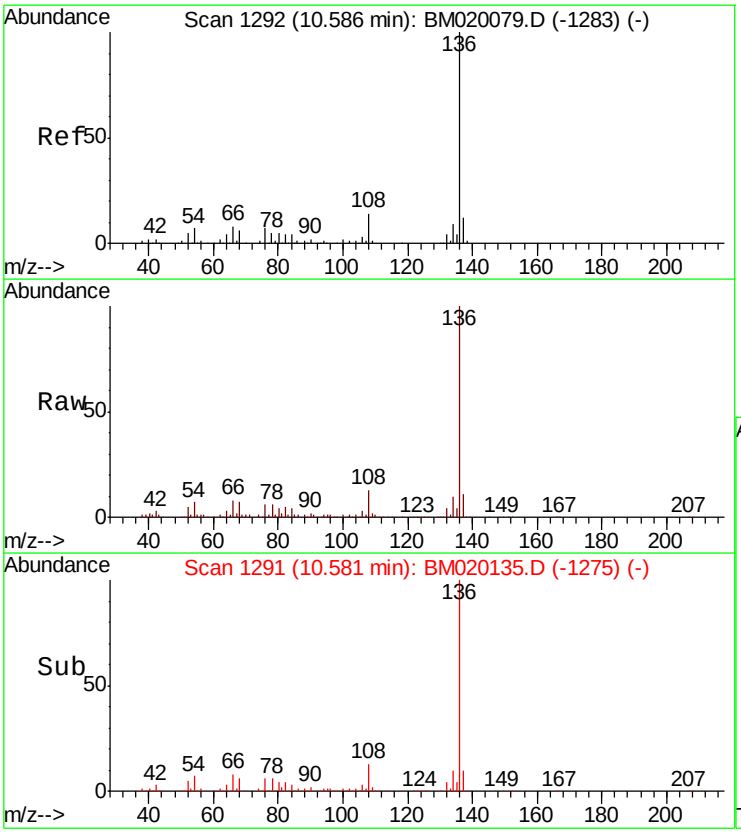

#7
Phenol-d6
Concen: 59.026 ng
RT: 6.95 min Scan# 674
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion: 99 Resp: 657526

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.1 | 14.2 | 21.2 |
| 71 | 48.1 | 40.3 | 60.5 |

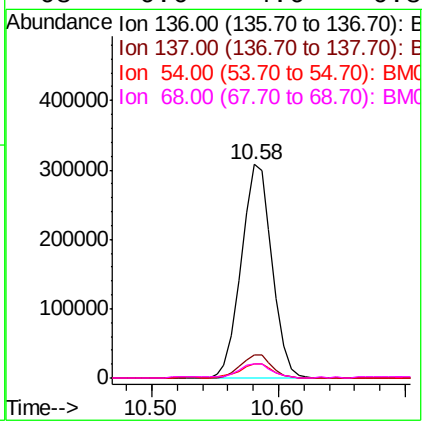


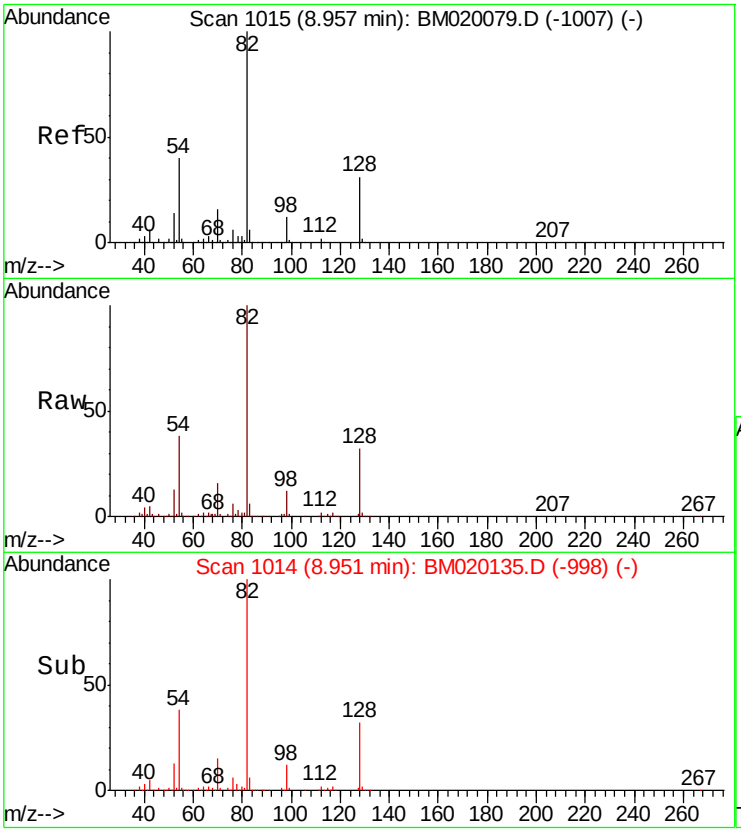




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.58 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:136 Resp: 517810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 9.6 | 14.4 |
| 54 | 6.9 | 5.5 | 8.3 |
| 68 | 6.6 | 4.6 | 6.8 |



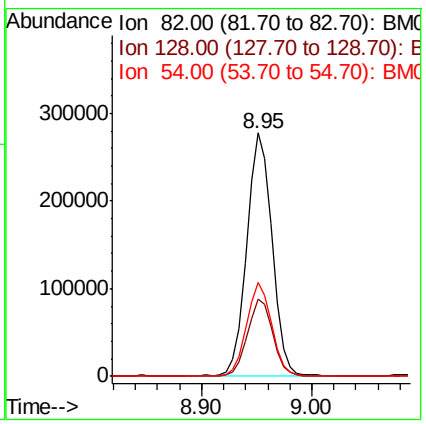


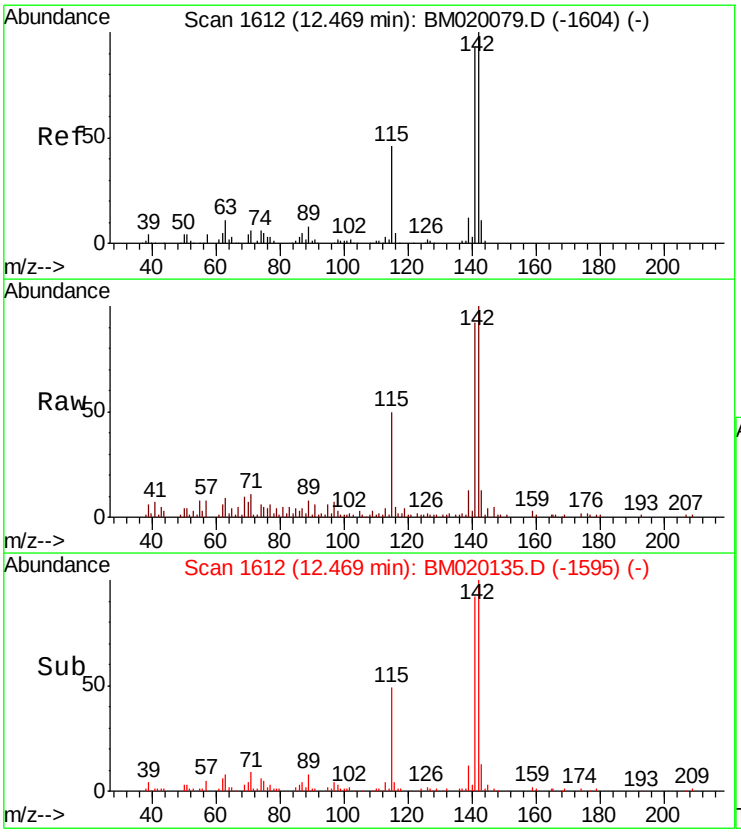

#23
Nitrobenzene-d5
Concen: 34.073 ng
RT: 8.95 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion: 82 Resp: 446898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 31.7 | 25.2 | 37.8 |
| 54 | 38.3 | 31.9 | 47.9 |

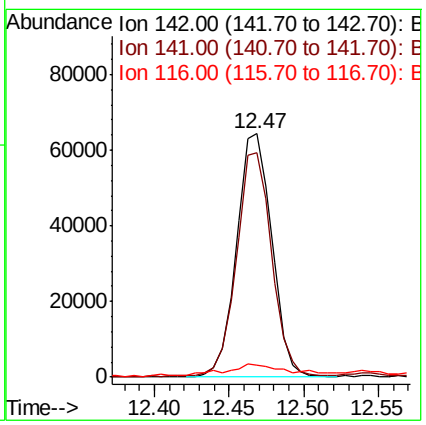


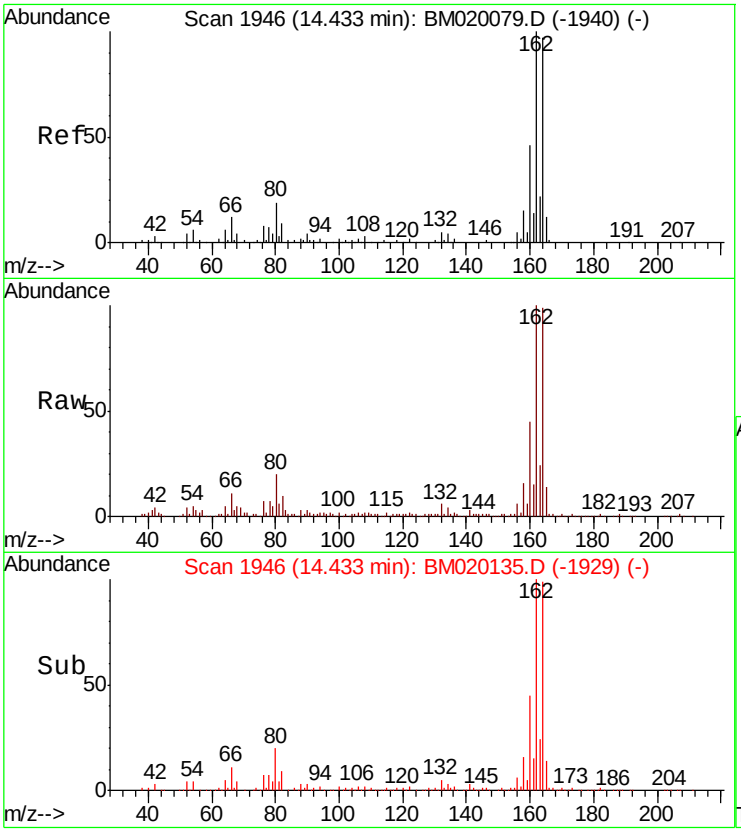




#38
1-Methylnaphthalene
Concen: 5.484 ng
RT: 12.47 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:142 Resp: 105058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.3 | 74.8 | 112.2 |
| 116 | 4.8 | 3.9 | 5.9 |



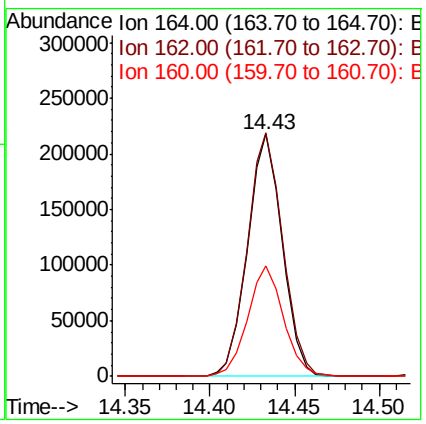


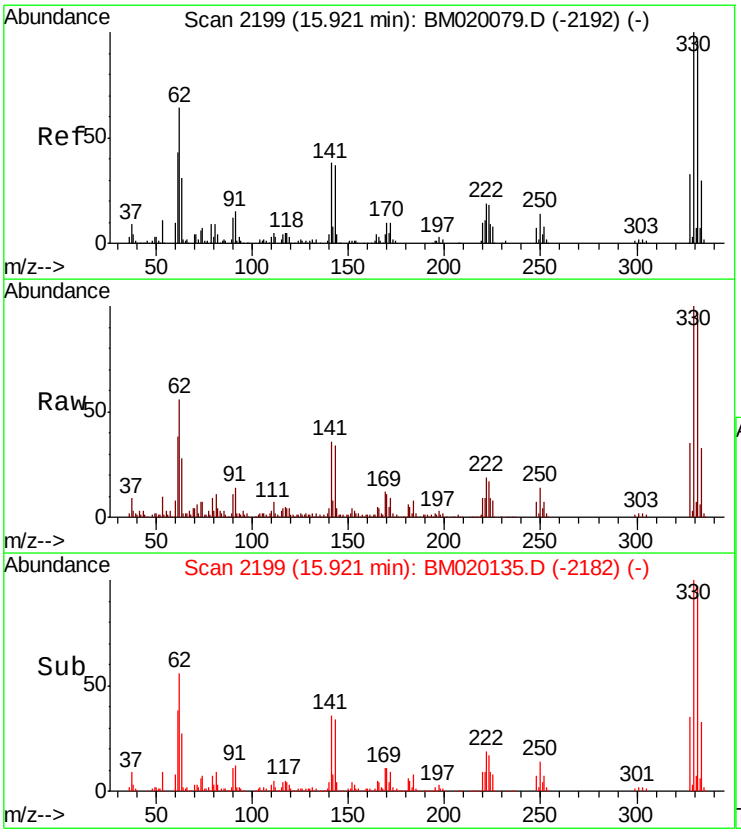

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.43 min Scan# 1946
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:164 Resp: 309020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.6 | 82.2 | 123.2 |
| 160 | 45.5 | 37.6 | 56.4 |

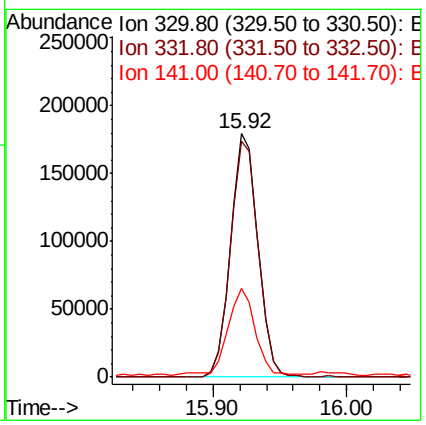


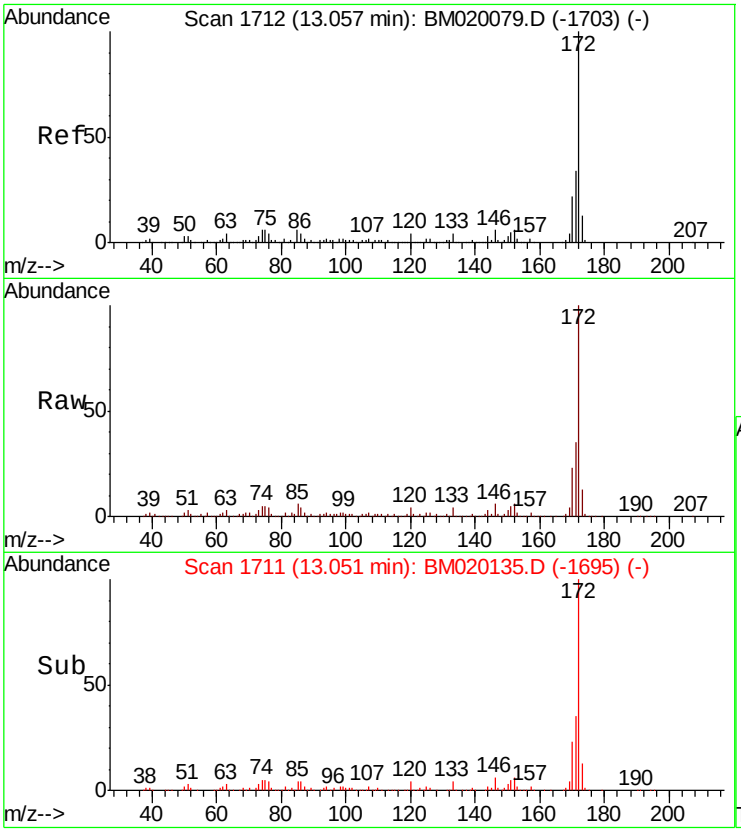




#42
2,4,6-Tribromophenol
Concen: 53.449 ng
RT: 15.92 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:330 Resp: 256371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.3 | 76.8 | 115.2 |
| 141 | 35.4 | 29.2 | 43.8 |



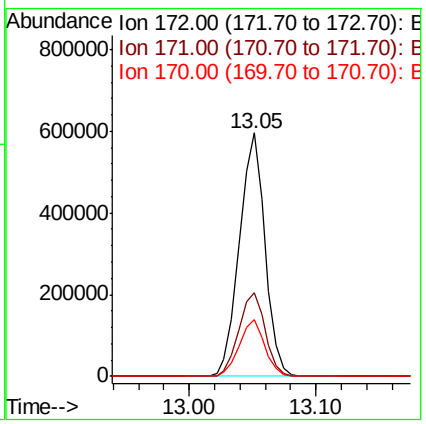


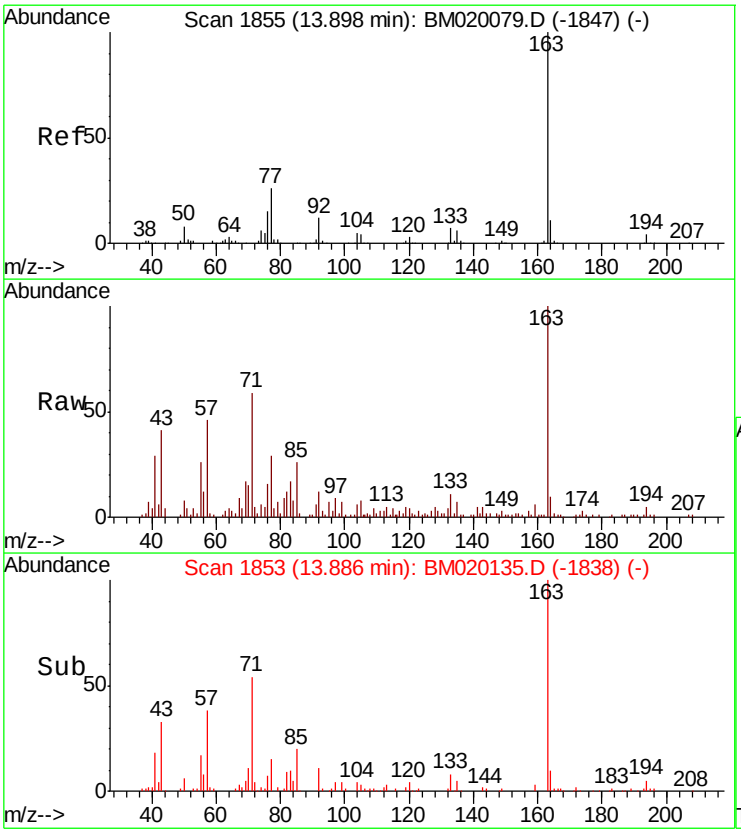

#45
2-Fluorobiphenyl
Concen: 33.111 ng
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:172 Resp: 831611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.5 | 27.3 | 40.9 |
| 170 | 23.1 | 17.9 | 26.9 |

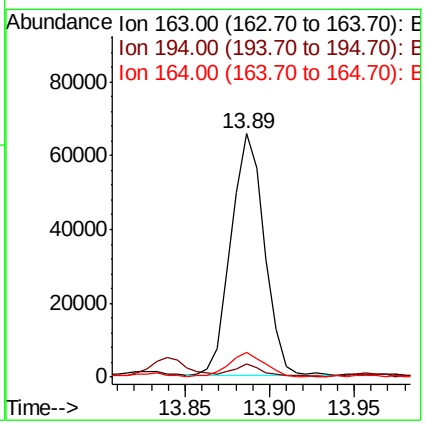


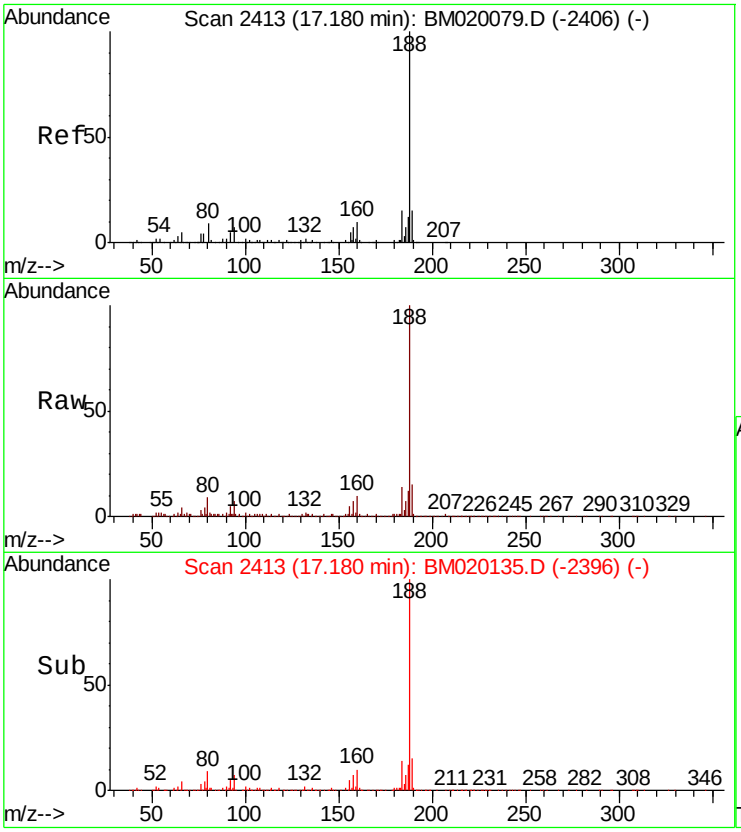




#50
Dimethylphthalate
Concen: 3.425 ng
RT: 13.89 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:163 Resp: 89947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.3 | 3.6 | 5.4 |
| 164 | 10.4 | 8.4 | 12.6 |



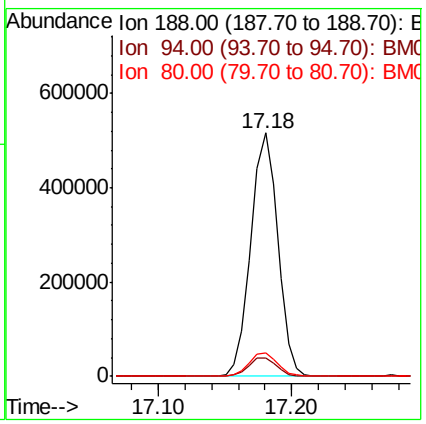


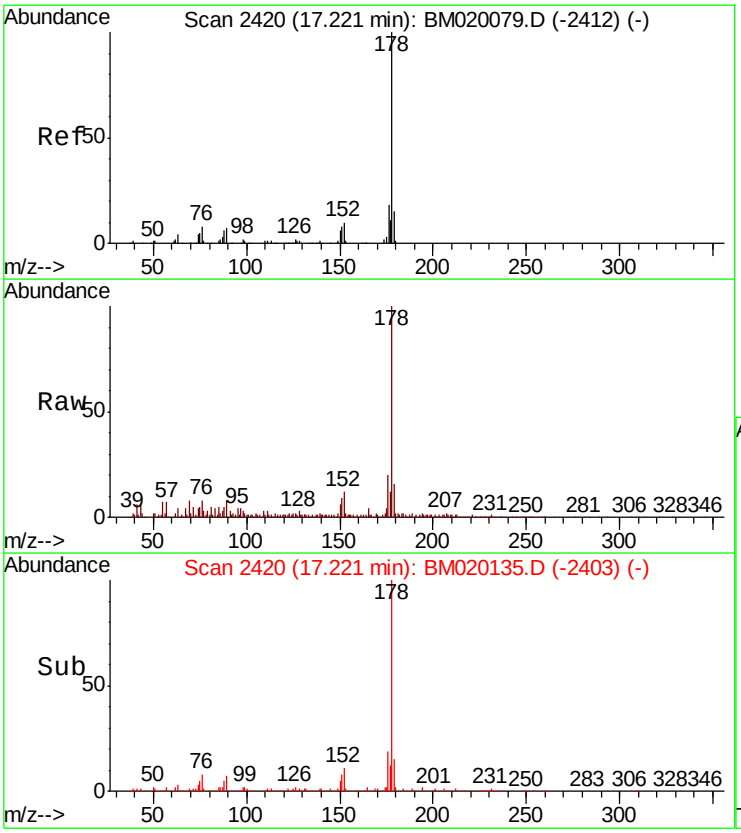

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:188 Resp: 719121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.3 | 5.8 | 8.6 |
| 80 | 9.5 | 7.4 | 11.2 |

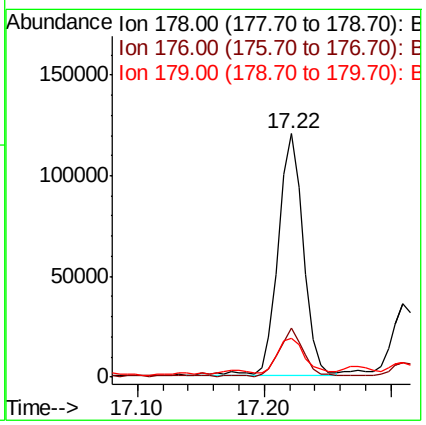


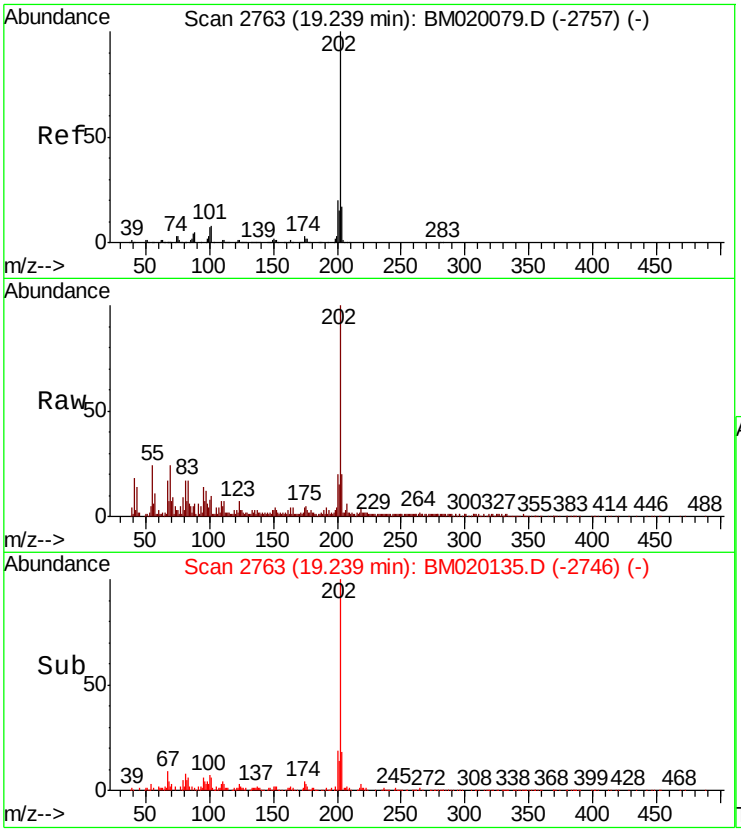




#71
Phenanthrene
Concen: 4.125 ng
RT: 17.22 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:178 Resp: 163743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 14.6 | 21.8 |
| 179 | 16.1 | 12.4 | 18.6 |



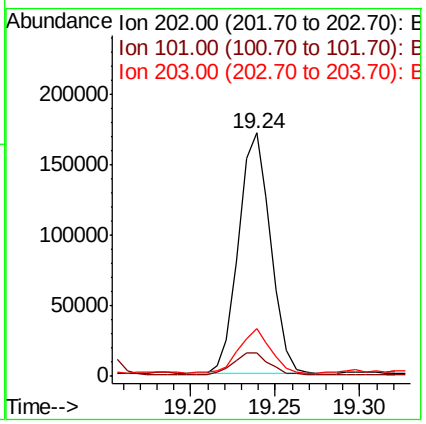


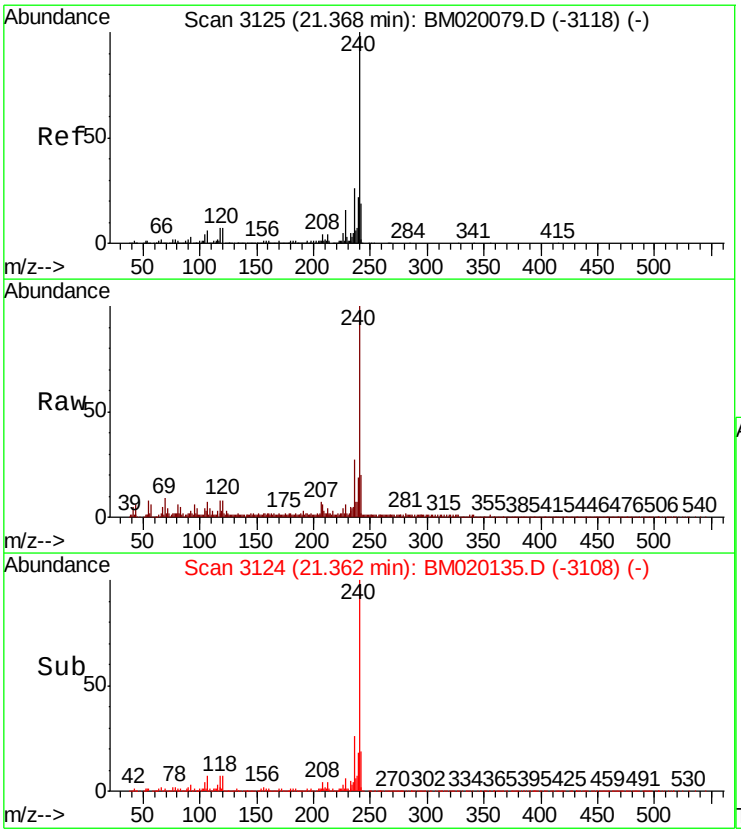

#75
Fluoranthene
Concen: 4.515 ng
RT: 19.24 min Scan# 2763
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:202 Resp: 226766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 0.0 | 28.4 |
| 203 | 19.8 | 0.0 | 37.4 |

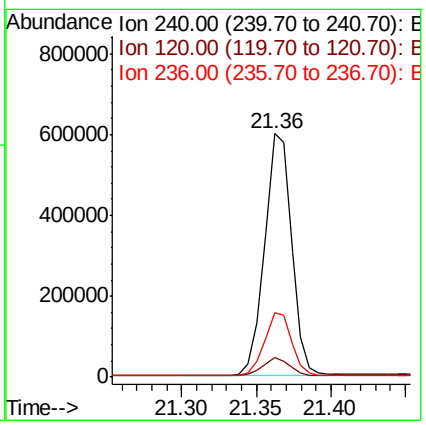


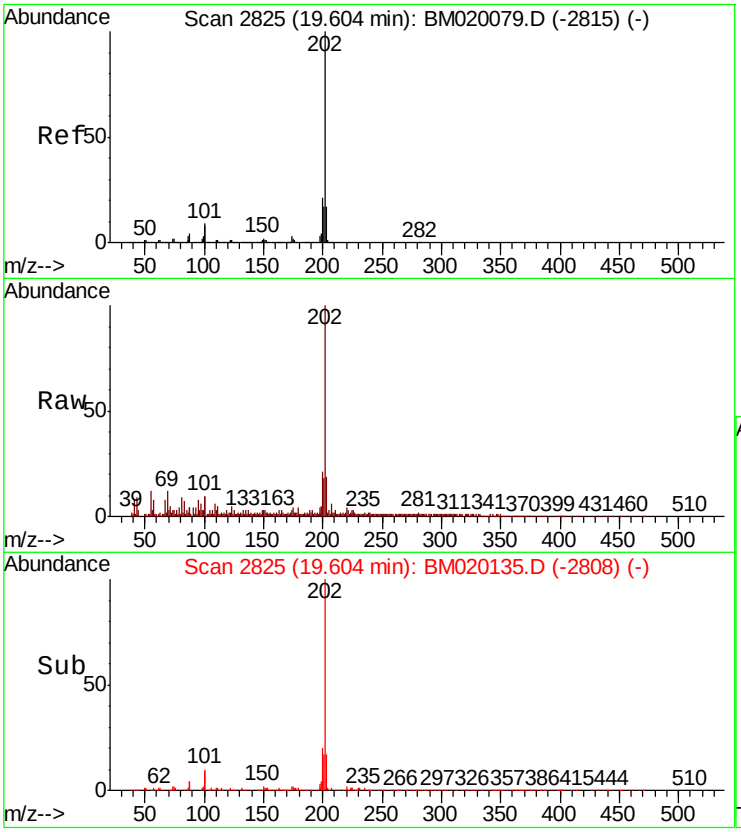




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.36 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:240 Resp: 750323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.0 | 5.6 | 8.4 |
| 236 | 26.7 | 20.9 | 31.3 |



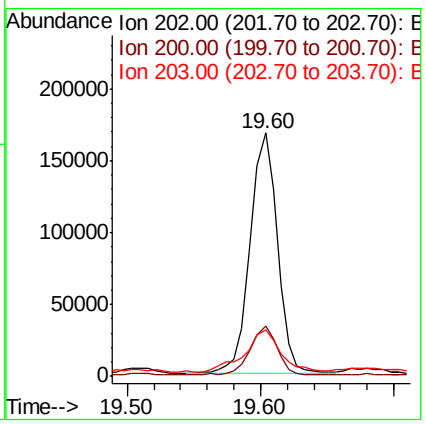


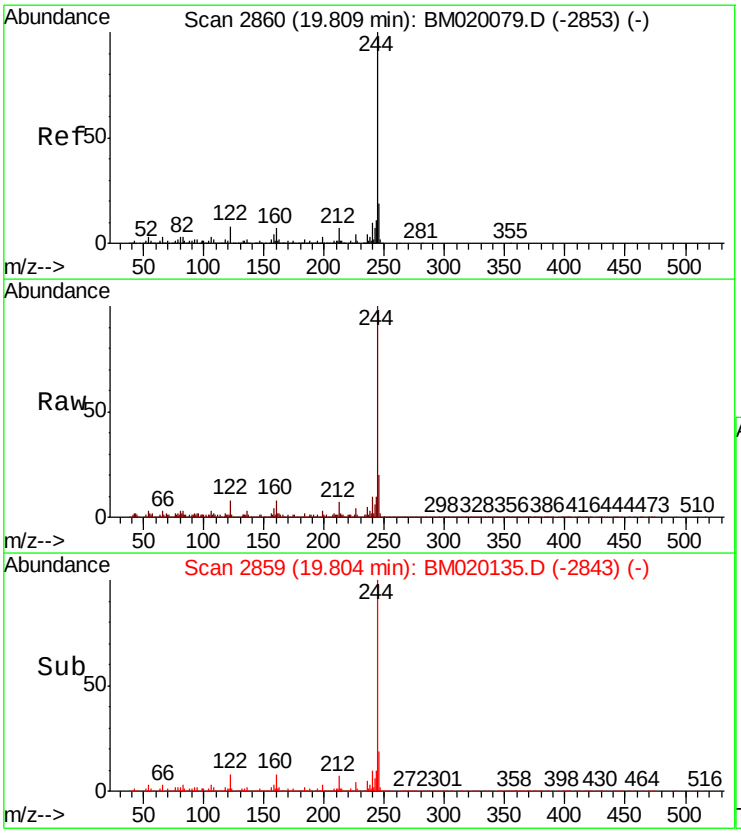

#78
Pyrene
Concen: 4.699 ng
RT: 19.60 min Scan# 2825
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:202 Resp: 236731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.5 | 24.7 |
| 203 | 18.9 | 13.9 | 20.9 |

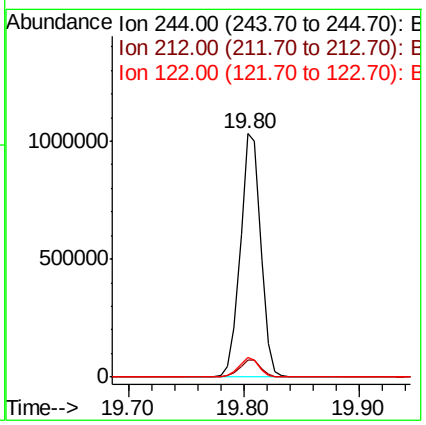


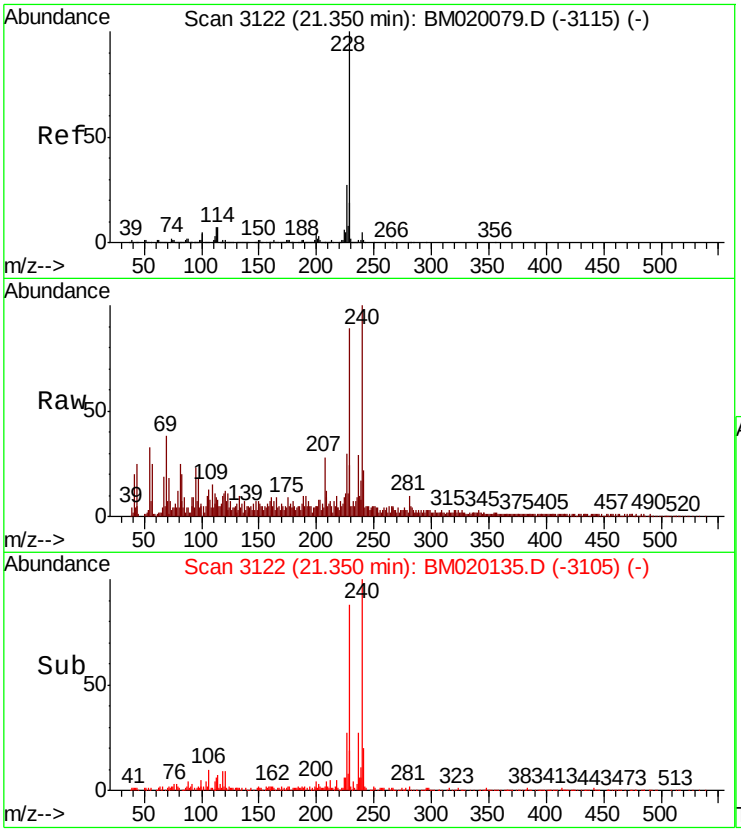




#79
Terphenyl-d14
Concen: 29.231 ng
RT: 19.80 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:244 Resp: 1257467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.7 | 8.5 |
| 122 | 7.9 | 6.2 | 9.2 |



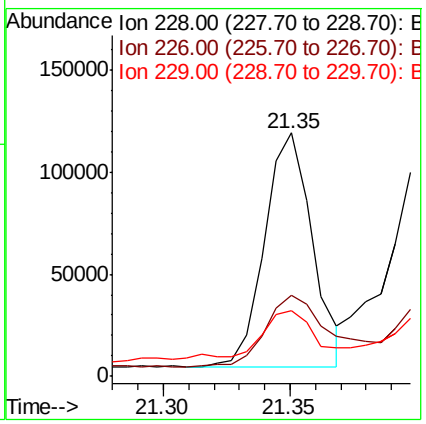


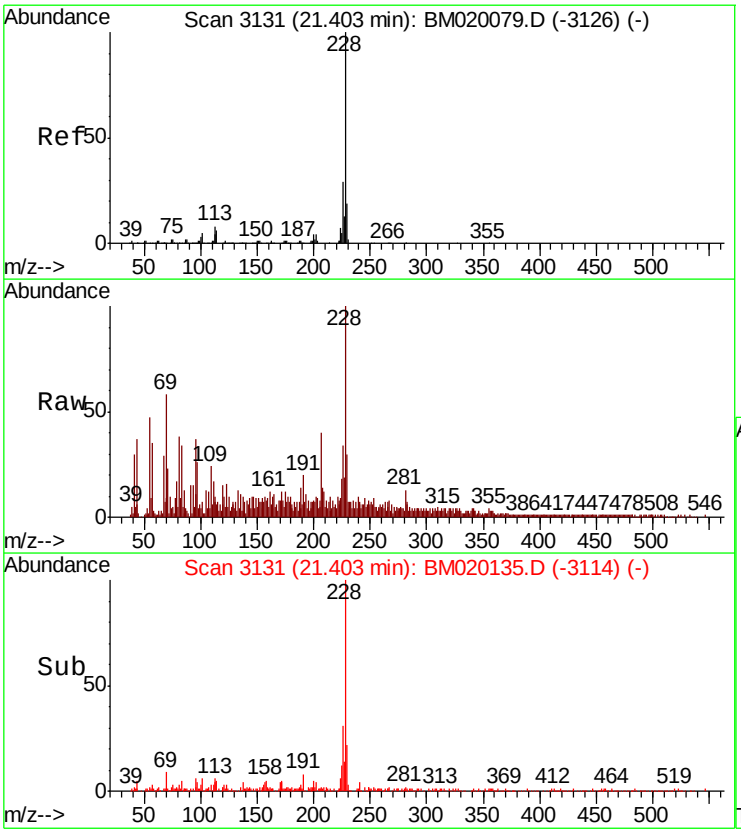

#81
Benzo(a)anthracene
Concen: 2.840 ng
RT: 21.35 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:228 Resp: 149428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 33.5 | 21.3 | 31.9# |
| 229 | 27.1 | 15.5 | 23.3# |

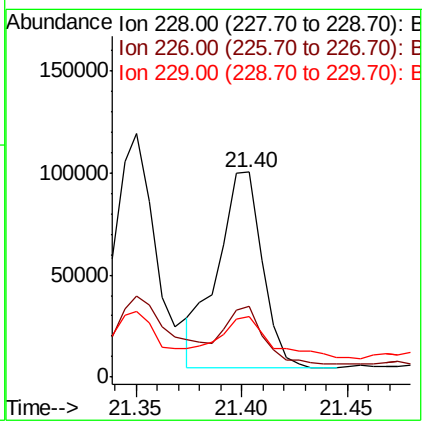


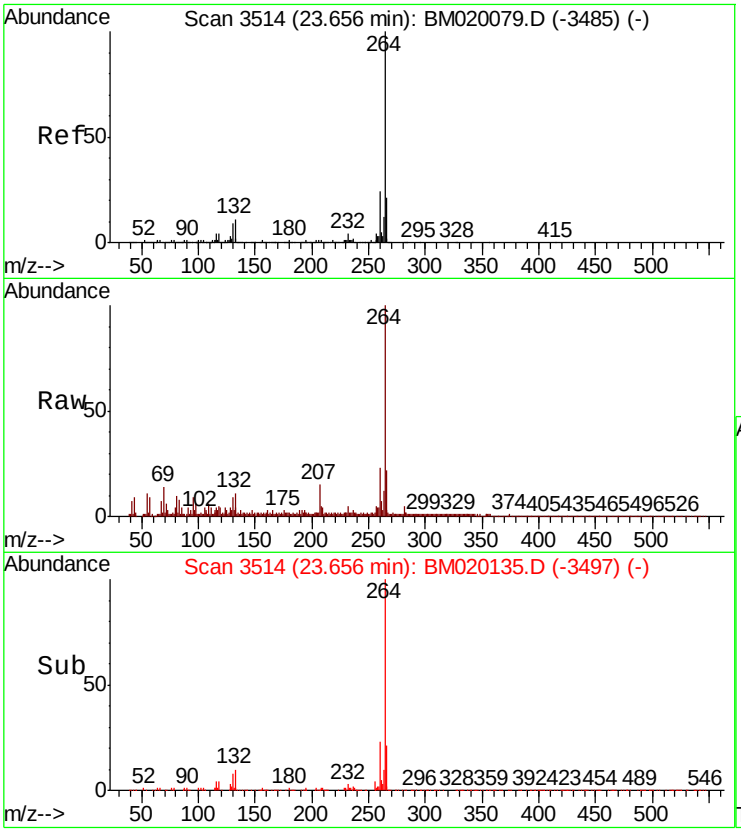




#83
Chrysene
Concen: 2.745 ng
RT: 21.40 min Scan# 3131
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:228 Resp: 140081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.4 | 23.0 | 34.6 |
| 229 | 29.7 | 15.5 | 23.3# |



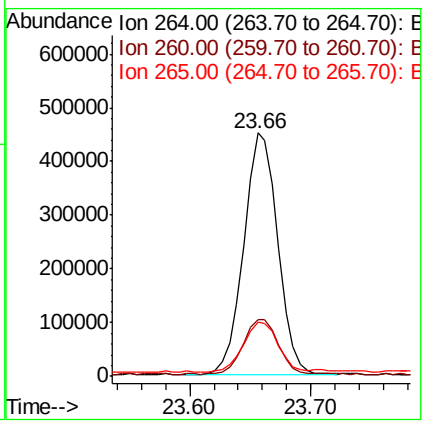


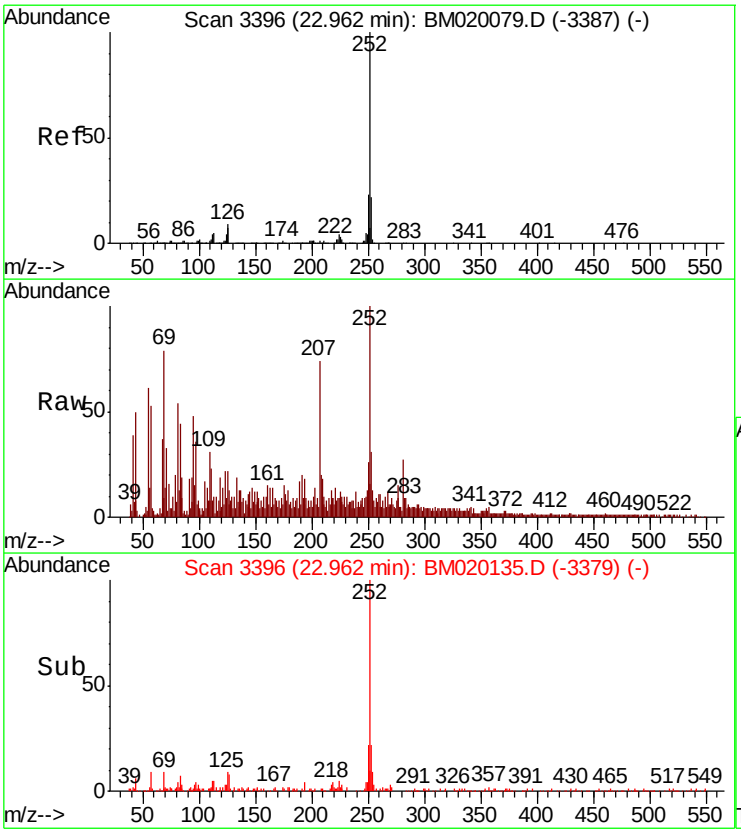

#87
Perylene-d12
Concen: 20.000 ng
RT: 23.66 min Scan# 3514
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:264 Resp: 880864

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 19.2 | 28.8 |
| 265 | 22.3 | 16.9 | 25.3 |

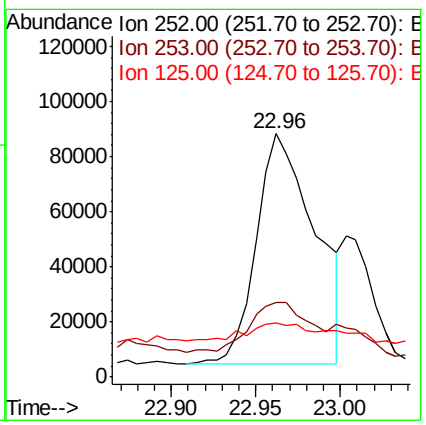


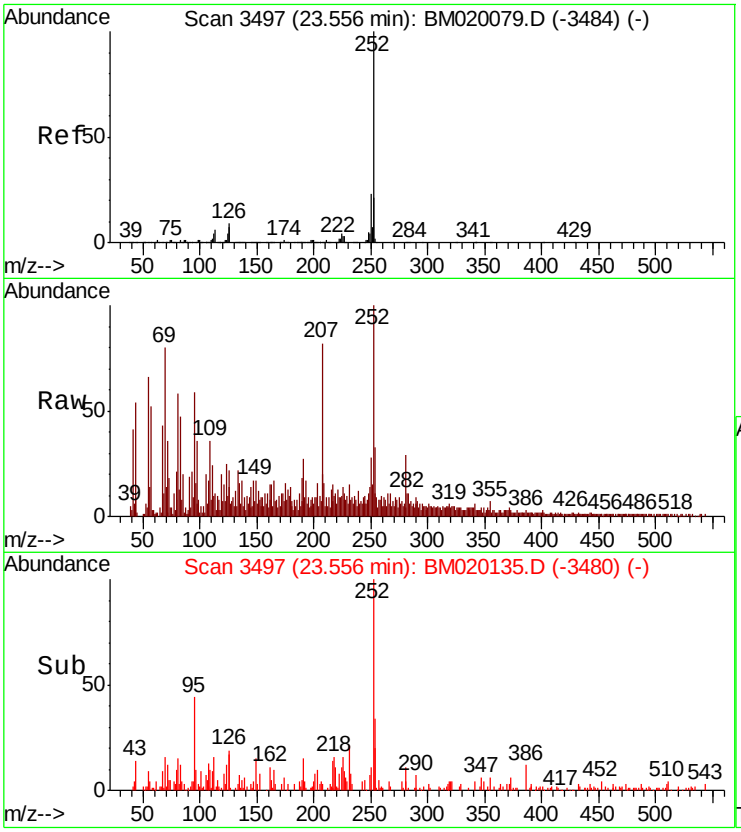




#88
Benzo(b)fluoranthene
Concen: 3.458 ng
RT: 22.96 min Scan# 3396
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

Tgt Ion:252 Resp: 201159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.9 | 17.5 | 26.3# |
| 125 | 22.2 | 5.4 | 8.2# |






#90
Benzo(a)pyrene
Concen: 2.657 ng
RT: 23.56 min Scan# 3497
Delta R.T. 0.00 min
Lab File: BM020135.D
Acq: 06 May 2019 14:48

**Instrument :**
BNA_M
**ClientSampleId :**
SU-04-050219-A

Tgt Ion:252 Resp: 140393

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 32.9 | 17.0 | 25.6# |
| 125 | 21.9 | 5.5 | 8.3# |