Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006056.D
Acq On : 04 Jun 2019 03:31
Operator : JU/SJ
Sample : K2928-15RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 04 04:50:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 03 14:55:48 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 494951 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.52 | 136 | 2005801 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.39 | 164 | 953687 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.15 | 188 | 1617942 | 20.00 | ng/ul | 0.01 |
| 77) Chrysene-d12 | 21.38 | 240 | 961929 | 20.00 | ng/ul | 0.03 |
| 85) Perylene-d12 | 23.68 | 264 | 1600733 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.25 | 96 | 41247 | 3.88 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.91 | 99 | 853624 | 20.87 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.07 | 67 | 515293 | 22.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.27 | 132 | 700349 | 21.81 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.44 | 113 | 659139 | 20.14 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.89 | 128 | 348198 | 24.04 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.61 | 143 | 342555 | 21.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.15 | 165 | 627374 | 21.55 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4 | 10.66 | 131 | 275488 | 7.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.79 | 166 | 1769113 | 26.22 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.08 | 160 | 2062384 | 23.76 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.61 | 143 | 204972 | 16.44 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.38 | 176 | 1286944 | 22.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 34730 | 4.43 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.25 | 188 | 1621080 | 23.91 | ng/ul | 0.01 |
| 78) Pyrene-d10 | 19.56 | 212 | 1356970 | 24.73 | ng/ul | 0.02 |
| 89) Benzo(a)pyrene-d12 | 23.54 | 264 | 1482282 | 20.84 | ng/ul | 0.05 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.93 | 94 | 57440 | 1.375 | ng/ul | 94 |
| 17) Hexachloroethane | 8.82 | 117 | 16868 | 1.386 | ng/ul# | 8 |
| 28) Naphthalene | 10.57 | 128 | 287182 | 3.043 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.19 | 142 | 133513 | 1.984 | ng/ul | 99 |
| 44) Dimethylphthalate | 13.84 | 163 | 706167 | 10.574 | ng/ul | 100 |
| 47) Acenaphthylene | 14.11 | 152 | 562299 | 6.593 | ng/ul | 96 |
| 49) Acenaphthene | 14.45 | 153 | 414664 | 7.217 | ng/ul | 98 |
| 53) Dibenzofuran | 14.79 | 168 | 137580 | 1.686 | ng/ul# | 65 |
| 58) Fluorene | 15.44 | 166 | 372236 | 5.904 | ng/ul# | 94 |
| 64) N-Nitrosodiphenylamine | 15.65 | 169 | 483965 | 10.501 | ng/ul# | 79 |
| 69) Phenanthrene | 17.19 | 178 | 8309270 | 105.833 | ng/ul | 97 |
| 71) Anthracene | 17.28 | 178 | 3452065 | 43.297 | ng/ul | 98 |
| 74) Carbazole | 17.55 | 167 | 225169 | 3.283 | ng/ul# | 55 |
| 76) Fluoranthene | 19.38 | 202 | 443662 | 5.807 | ng/ul | 98 |
| 79) Pyrene | 19.67 | 202 | 574661 | 8.289 | ng/ul# | 59 |
| 81) 3,3'-Dichlorobenzidine | 21.33 | 252 | 25367 | 1.383 | ng/ul# | 47 |
| 82) Benzo(a)anthracene | 21.36 | 228 | 17240669 | 290.065 | ng/ul# | 89 |
| 84) Chrysene | 21.42 | 228 | 16202725 | 288.119 | ng/ul# | 92 |
| 87) Benzo(b)fluoranthene | 23.01 | 252 | 20061266 | 227.222 | ng/ul | 96 |
| 88) Benzo(k)fluoranthene | 23.01 | 252 | 20061266 | 234.483 | ng/ul | 96 |
| 90) Benzo(a)pyrene | 23.61 | 252 | 15748081 | 187.598 | ng/ul | 95 |
| 91) Indeno(1,2,3-cd)pyrene | 25.93 | 276 | 100208 | 1.037 | ng/ul# | 1 |
| 92) Dibenzo(a,h)anthracene | 26.02 | 278 | 4185854 | 51.373 | ng/ul# | 92 |

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006056.D
Acq On : 04 Jun 2019 03:31
Operator : JU/SJ
Sample : K2928-15RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 04 04:50:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 03 14:55:48 2019
Response via : Initial Calibration

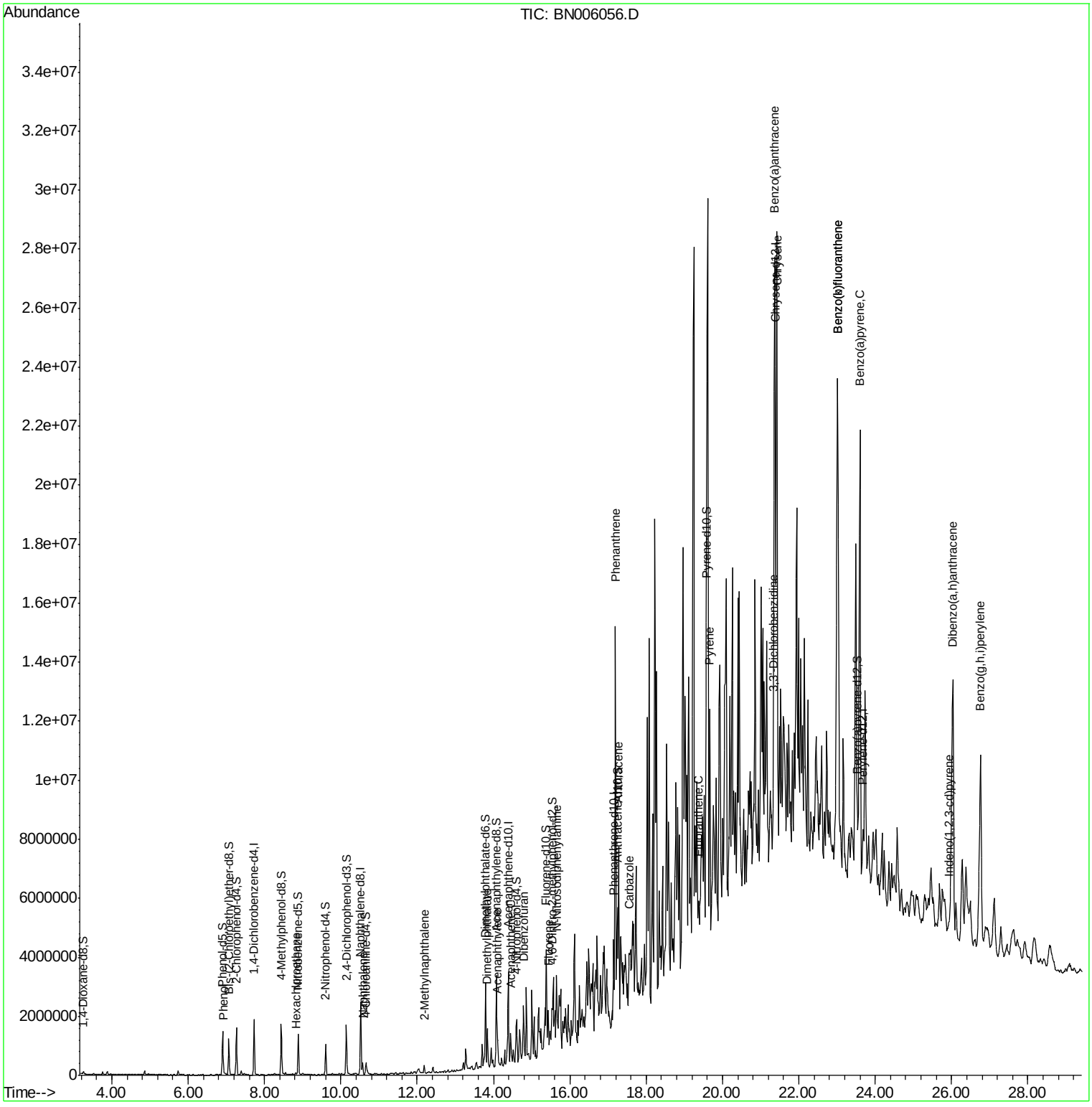
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 93) Benzo(g,h,i)perylene | 26.76 | 276 | 9620222 | 120.938 | ng/ul | 96 |

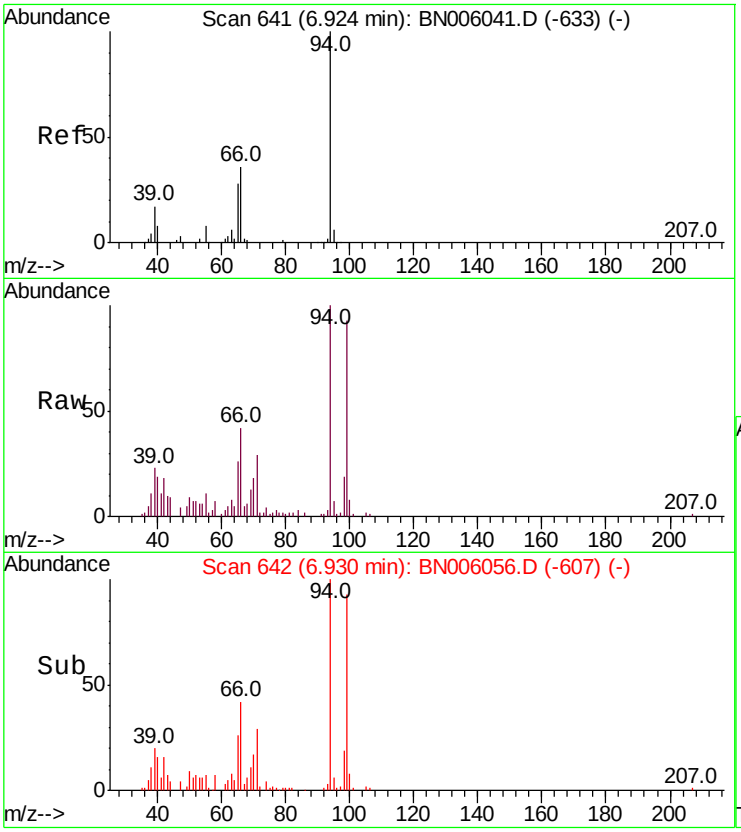
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
Data File : BN006056.D
Acq On : 04 Jun 2019 03:31
Operator : JU/SJ
Sample : K2928-15RE
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Jun 04 04:50:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jun 03 14:55:48 2019
Response via : Initial Calibration



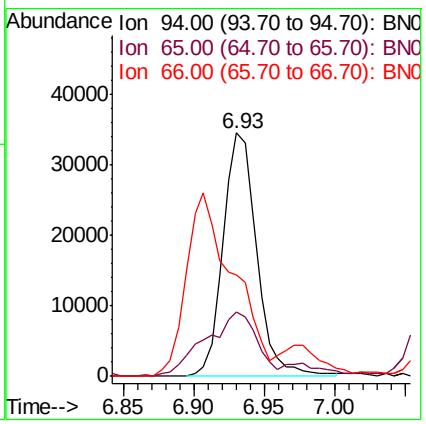


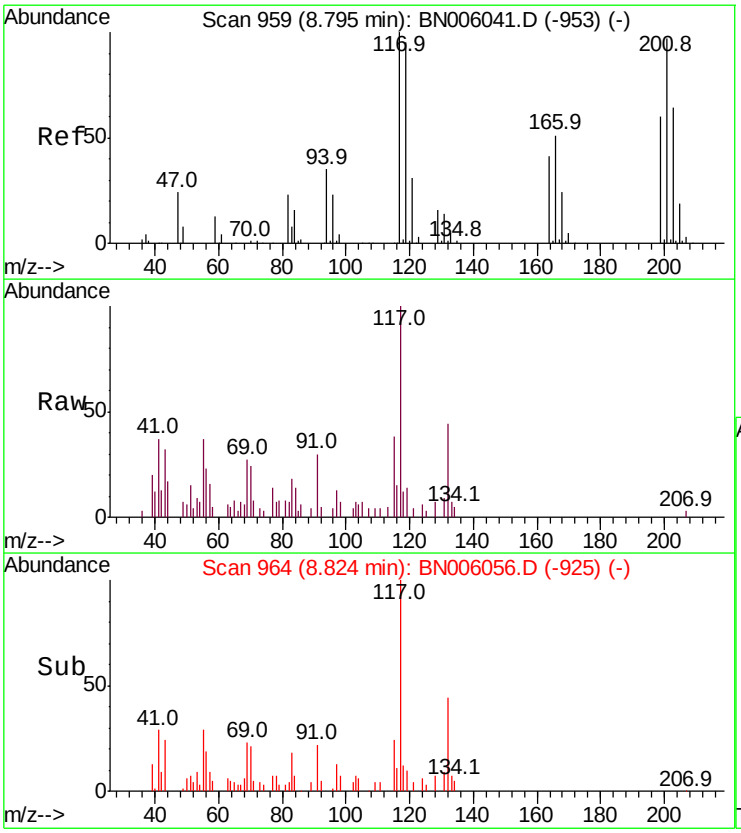

#6
Phenol
Concen: 1.375 ng/ul
RT: 6.93 min Scan# 642
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion: 94 Resp: 57440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 26.4 | 21.1 | 31.7 |
| 66 | 41.8 | 28.2 | 42.2 |

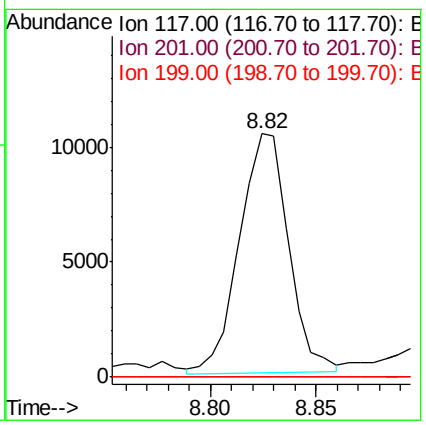


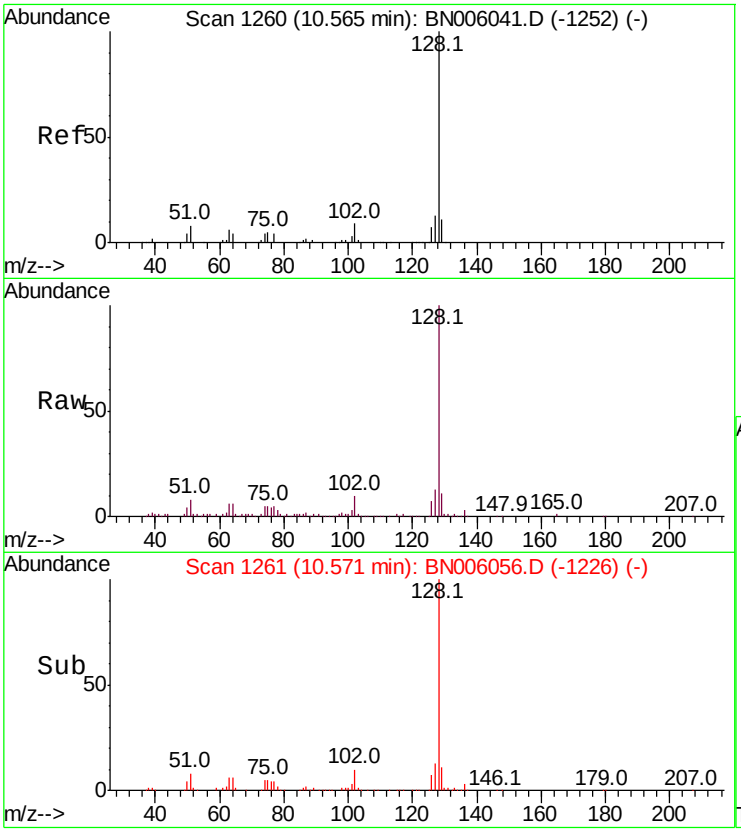




#17
Hexachloroethane
Concen: 1.386 ng/ul
RT: 8.82 min Scan# 964
Delta R.T. 0.03 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:117 Resp: 16868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 80.0 | 120.0# |
| 199 | 0.0 | 48.7 | 73.1# |



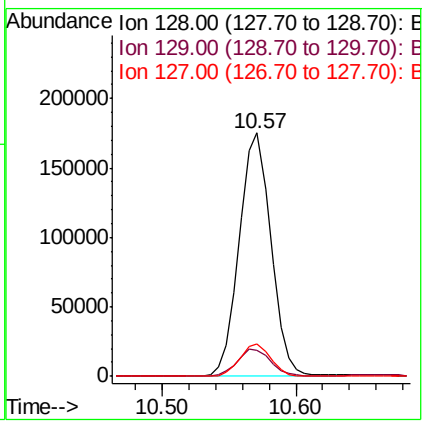


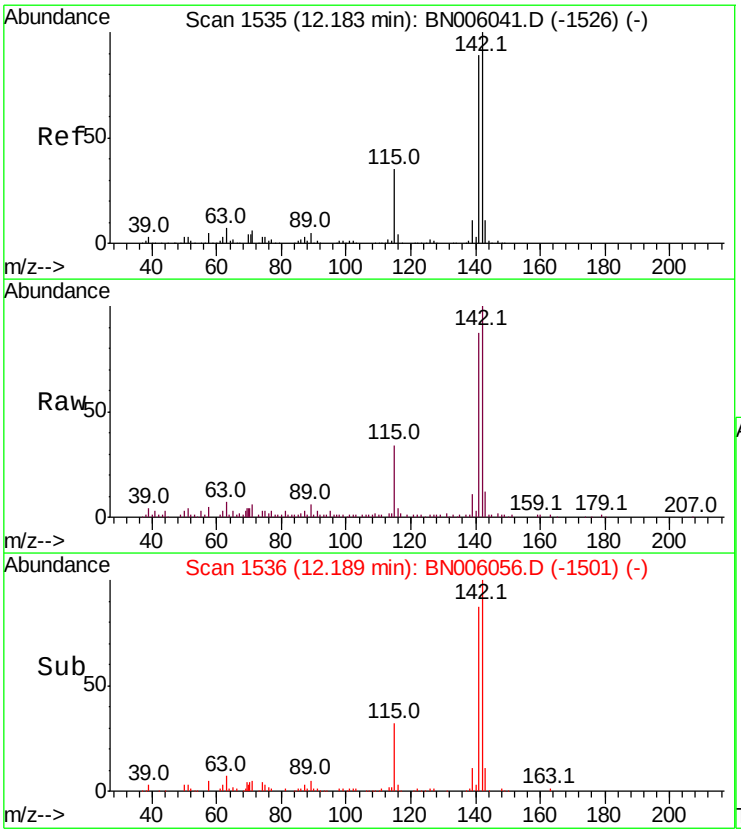

#28
Naphthalene
Concen: 3.043 ng/ul
RT: 10.57 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:128 Resp: 287182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.8 | 13.2 |
| 127 | 13.2 | 10.6 | 16.0 |

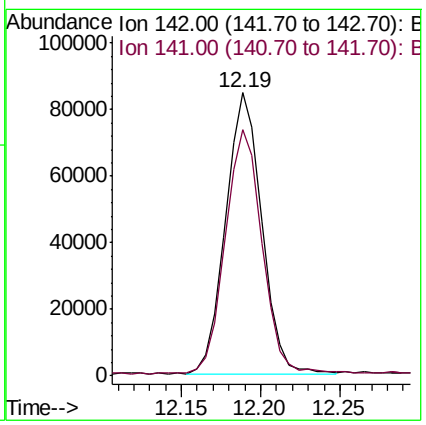


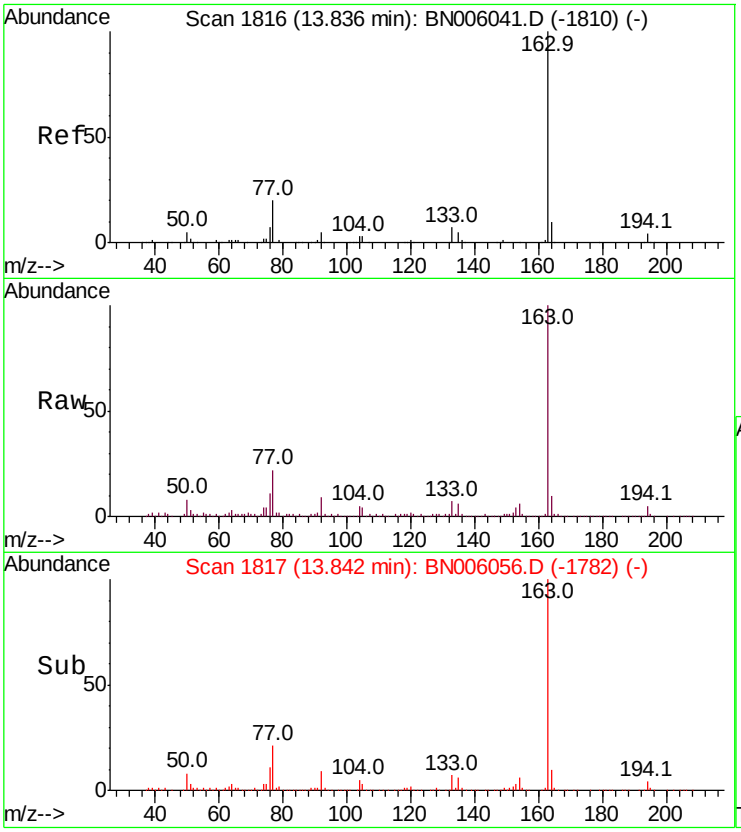




#34
2-Methylnaphthalene
Concen: 1.984 ng/ul
RT: 12.19 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:142 Resp: 133513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.2 | 70.4 | 105.6 |



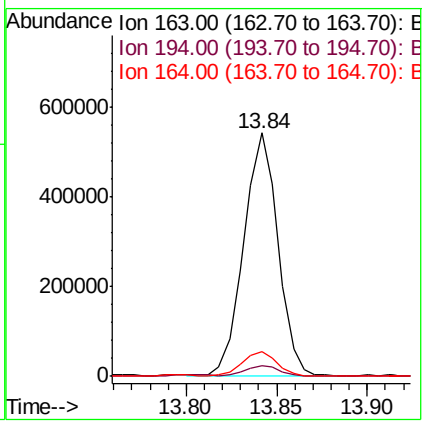


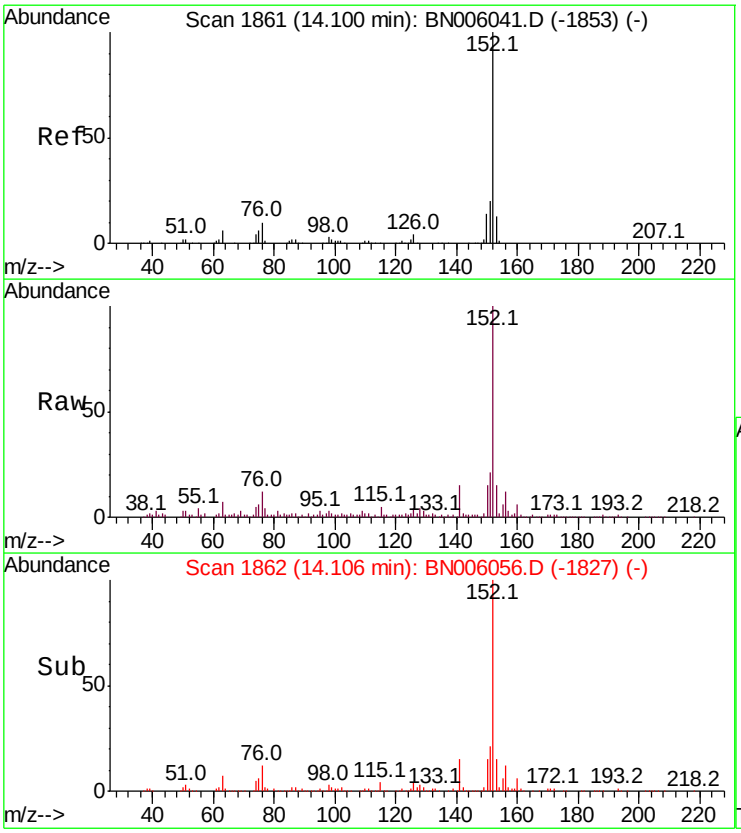

#44
Dimethylphthalate
Concen: 10.574 ng/ul
RT: 13.84 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:163 Resp: 706167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.5 | 3.4 | 5.2 |
| 164 | 10.2 | 8.2 | 12.4 |

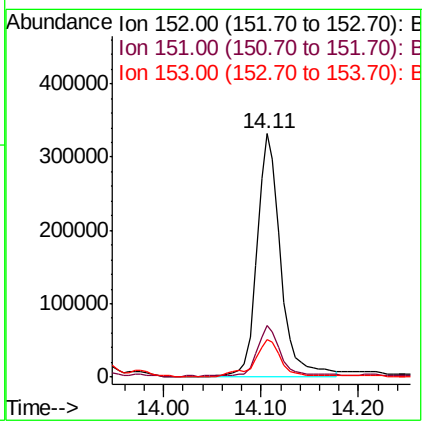


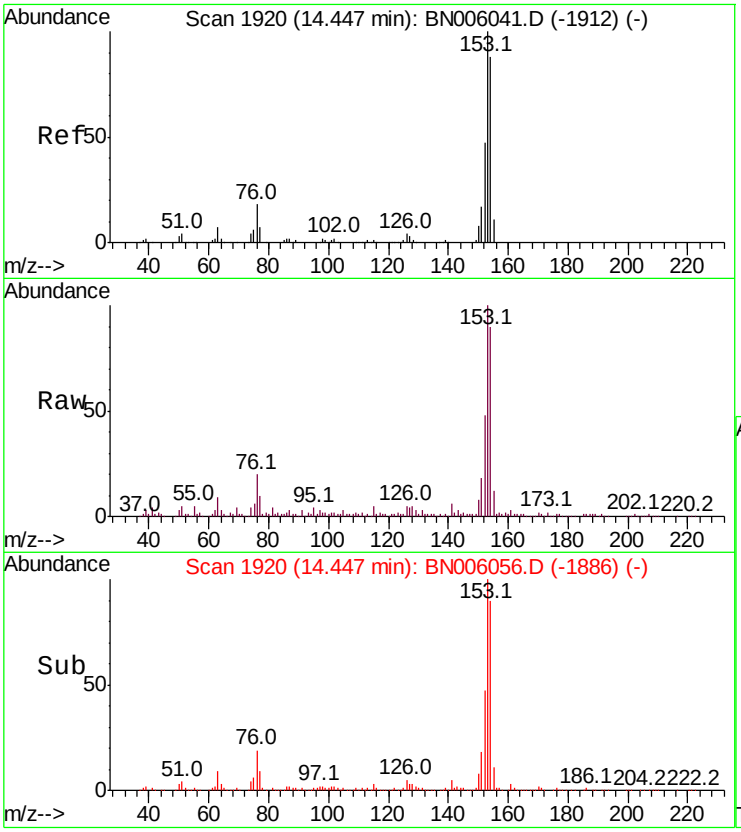




#47
Acenaphthylene
Concen: 6.593 ng/ul
RT: 14.11 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:152 Resp: 562299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.4 | 16.2 | 24.2 |
| 153 | 15.3 | 10.5 | 15.7 |



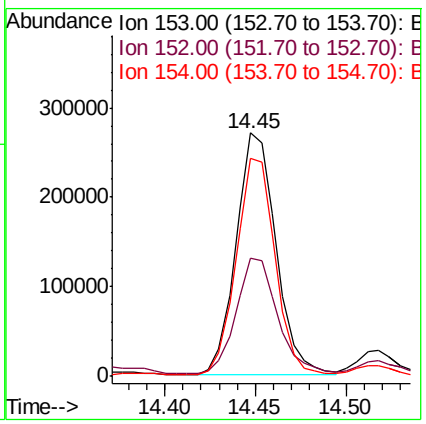


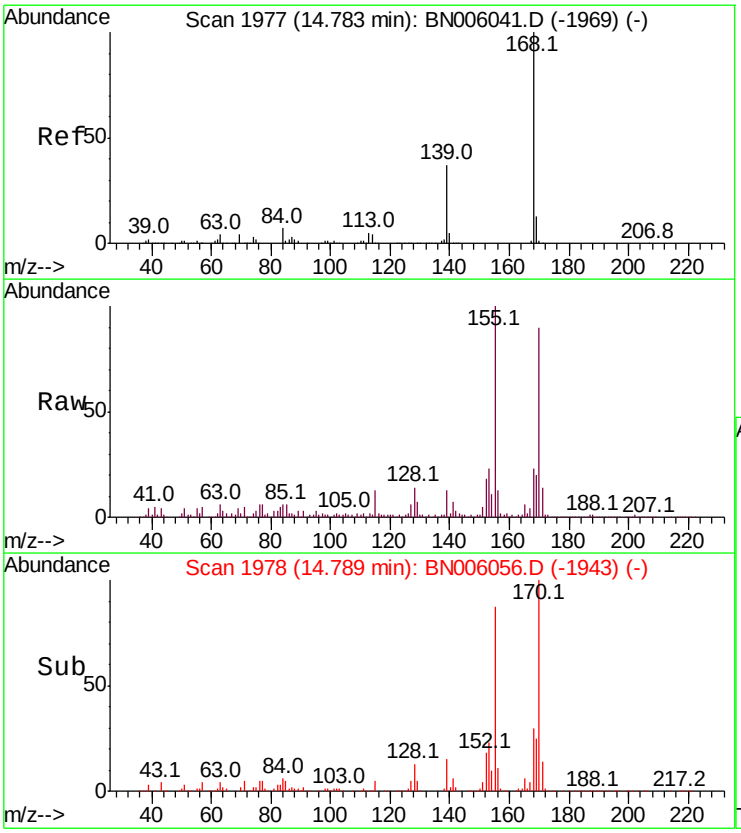

#49
Acenaphthene
Concen: 7.217 ng/ul
RT: 14.45 min Scan# 1920
Delta R.T. 0.00 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:153 Resp: 414664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.4 | 37.4 | 56.2 |
| 154 | 89.8 | 70.7 | 106.1 |

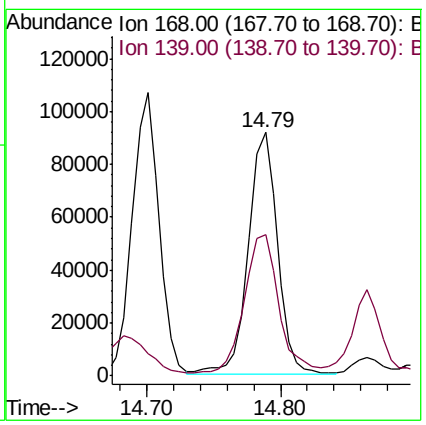


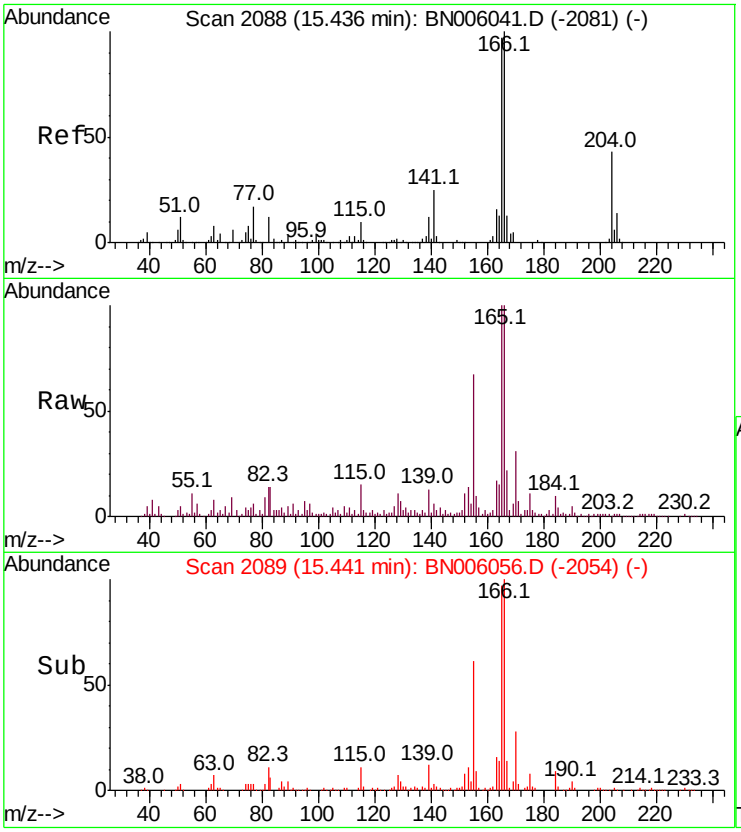




#53
Dibenzofuran
Concen: 1.686 ng/ul
RT: 14.79 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:168 Resp: 137580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 57.9 | 29.8 | 44.6# |



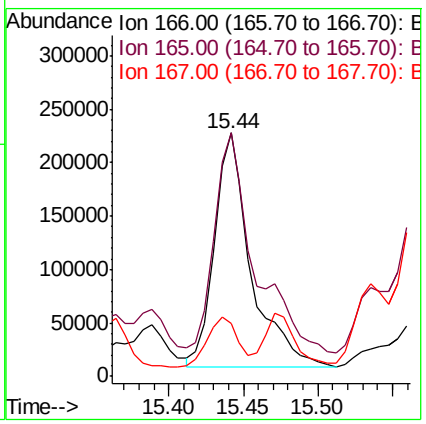


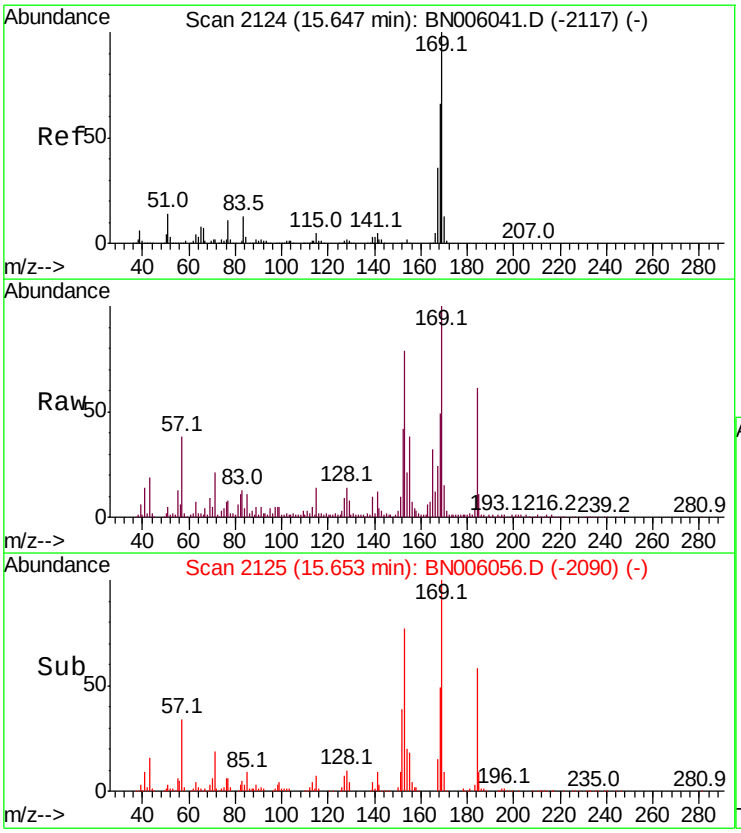

#58
Fluorene
Concen: 5.904 ng/ul
RT: 15.44 min Scan# 2089
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:166 Resp: 372236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.9 | 76.6 | 115.0 |
| 167 | 21.6 | 10.8 | 16.2# |

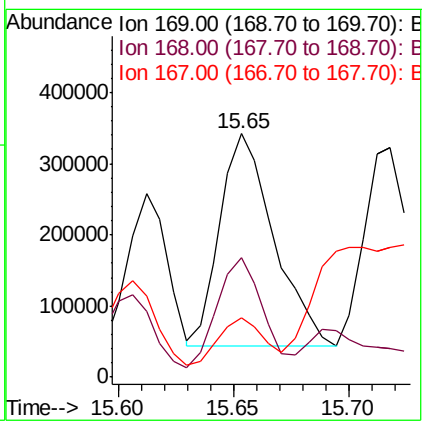


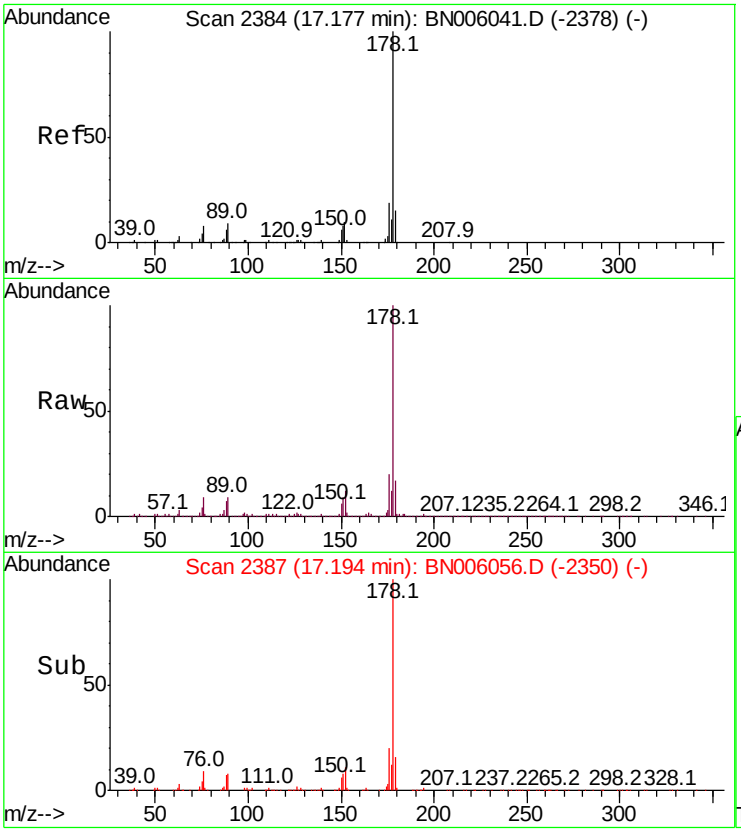




#64
N-Nitrosodiphenylamine
Concen: 10.501 ng/ul
RT: 15.65 min Scan# 2125
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:169 Resp: 483965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 48.9 | 53.4 | 80.2# |
| 167 | 24.5 | 28.6 | 42.8# |



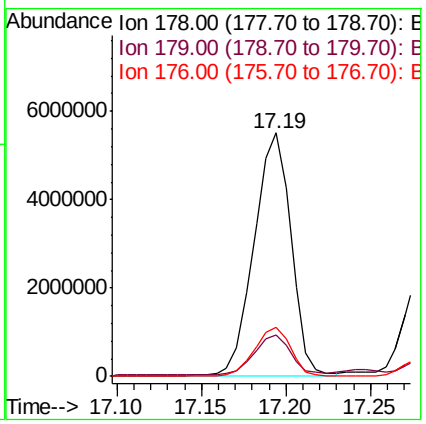


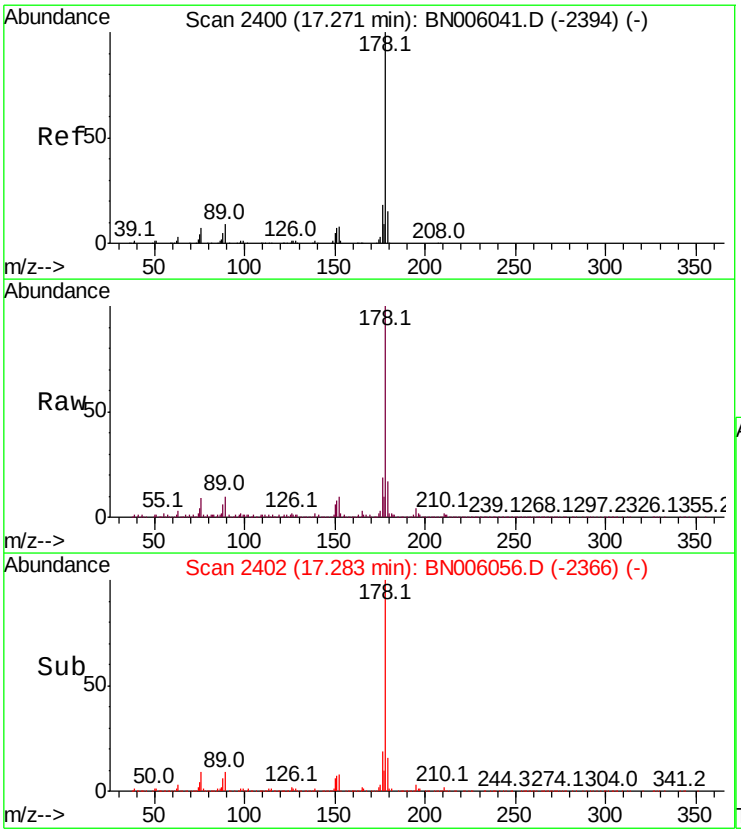

#69
Phenanthrene
Concen: 105.833 ng/ul
RT: 17.19 min Scan# 2387
Delta R.T. 0.02 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:178 Resp: 8309270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.8 | 12.4 | 18.6 |
| 176 | 20.1 | 15.0 | 22.4 |

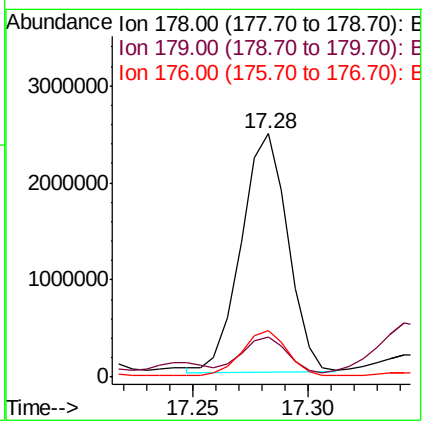


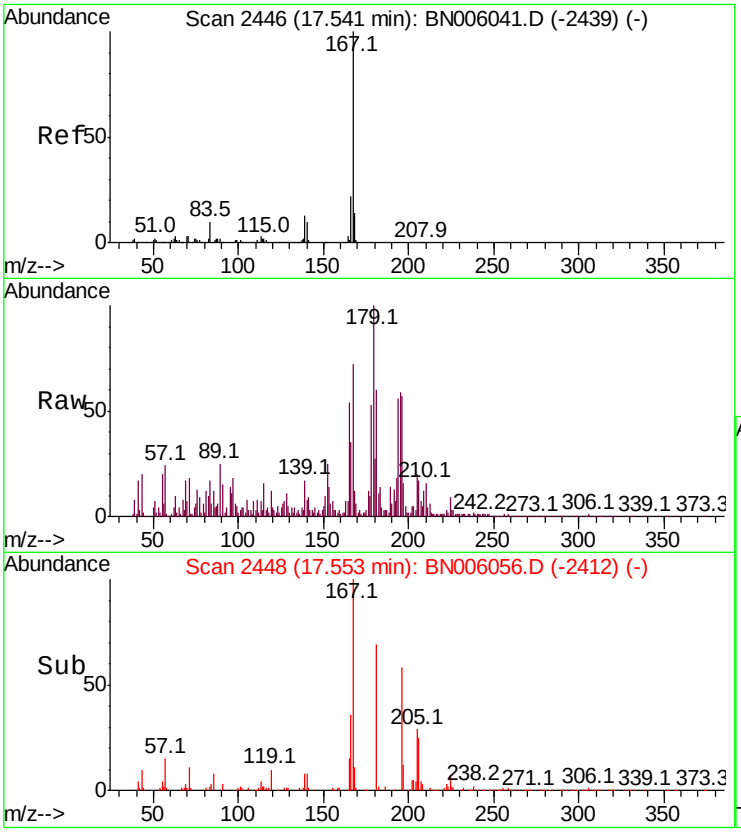




#71
Anthracene
Concen: 43.297 ng/ul
RT: 17.28 min Scan# 2402
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:178 Resp: 3452065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.6 | 12.4 | 18.6 |
| 176 | 19.0 | 14.8 | 22.2 |



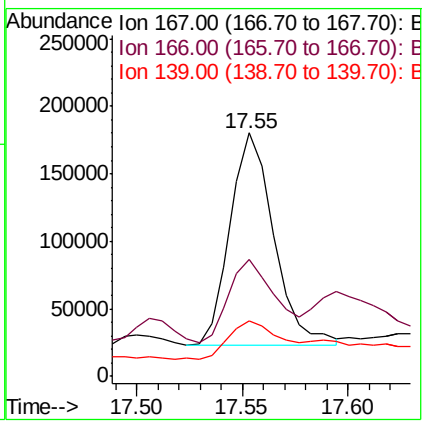


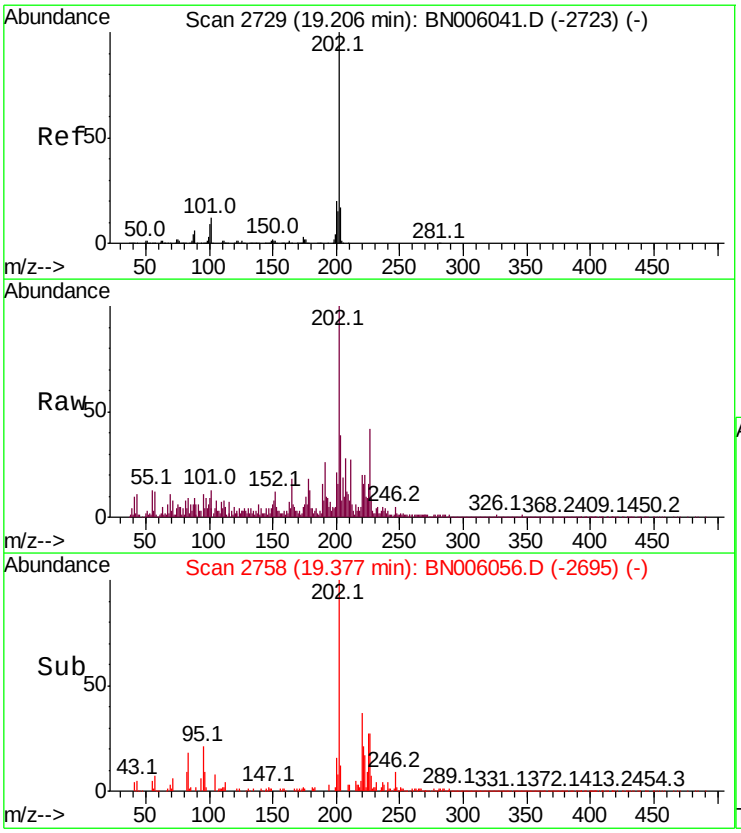

#74
Carbazole
Concen: 3.283 ng/ul
RT: 17.55 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:167 Resp: 225169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 47.9 | 17.0 | 25.6# |
| 139 | 23.0 | 10.4 | 15.6# |

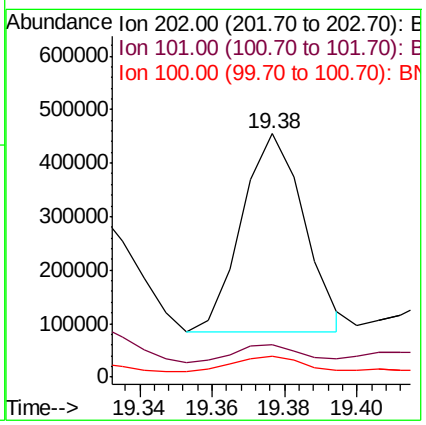


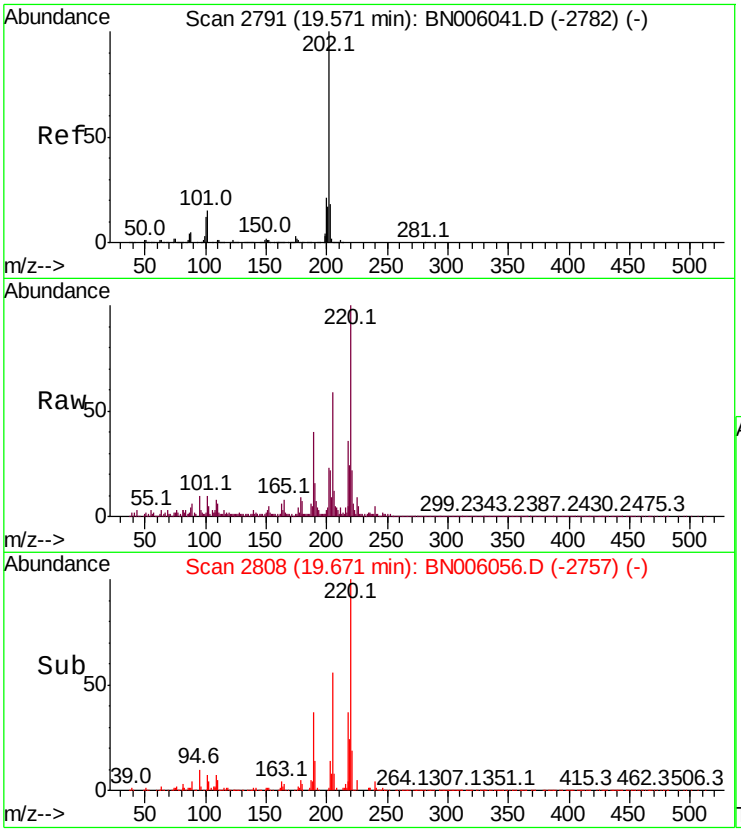




#76
Fluoranthene
Concen: 5.807 ng/ul
RT: 19.38 min Scan# 2758
Delta R.T. 0.17 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:202 Resp: 443662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 9.6 | 14.4 |
| 100 | 8.6 | 7.1 | 10.7 |



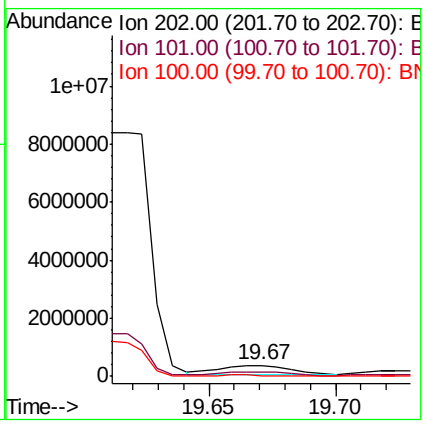


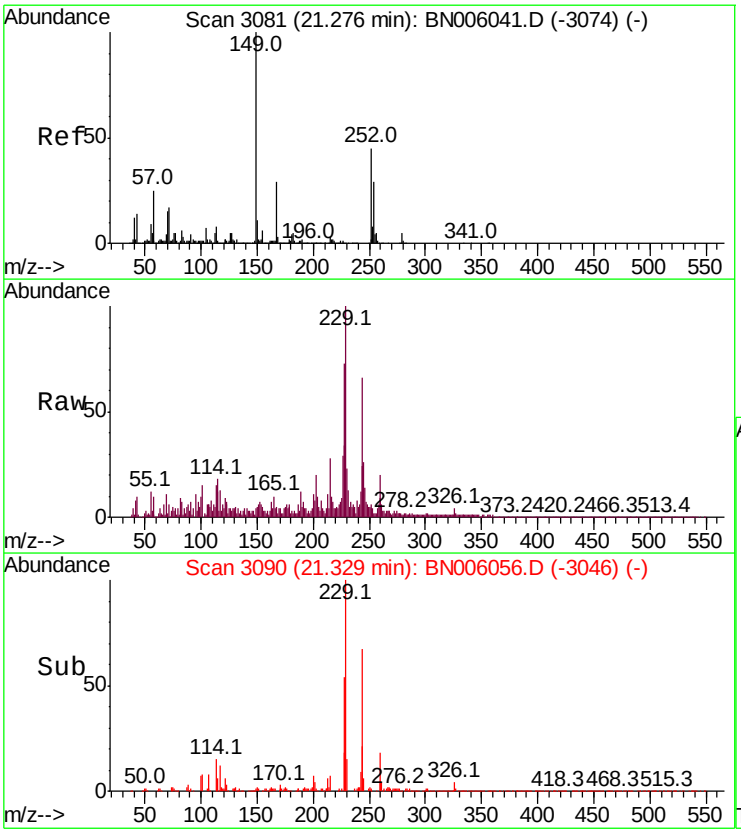

#79
Pyrene
Concen: 8.289 ng/ul
RT: 19.67 min Scan# 2808
Delta R.T. 0.10 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:202 Resp: 574661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 43.2 | 11.6 | 17.4# |
| 100 | 9.5 | 9.4 | 14.2 |

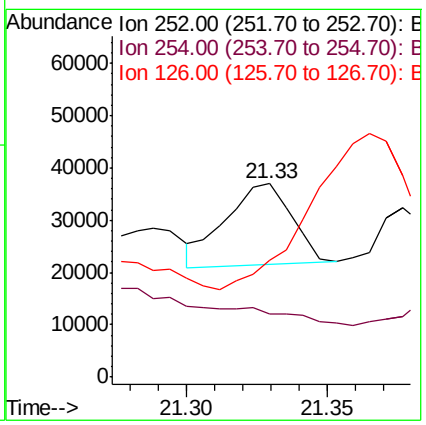


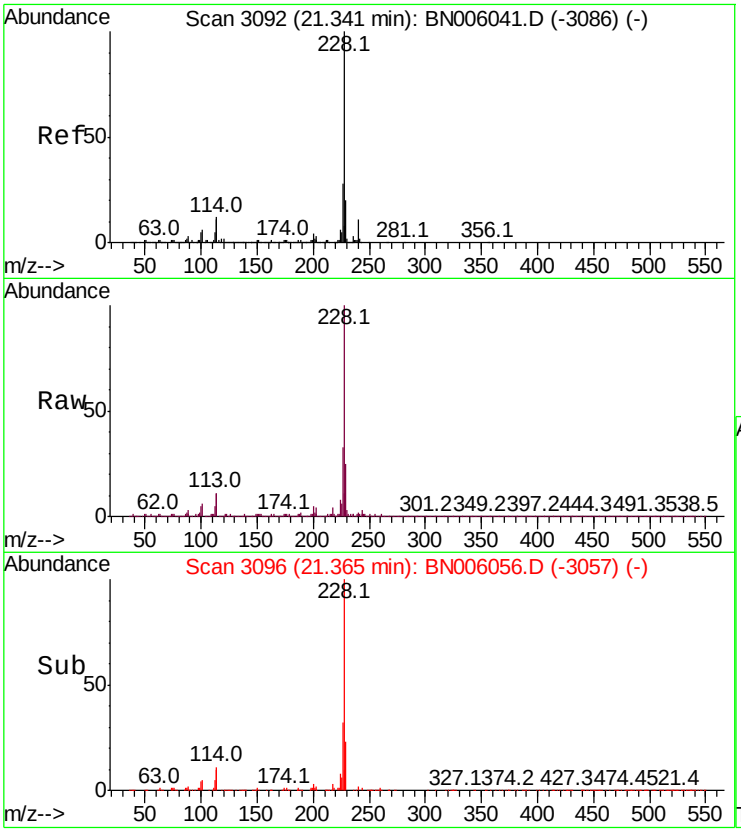




#81
3,3'-Dichlorobenzidine
Concen: 1.383 ng/ul
RT: 21.33 min Scan# 3090
Delta R.T. 0.06 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:252 Resp: 25367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 32.7 | 50.7 | 76.1# |
| 126 | 60.3 | 9.0 | 13.6# |



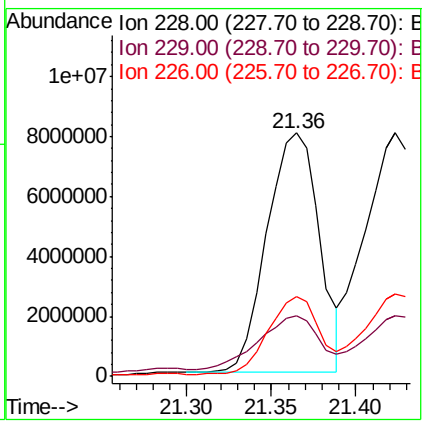


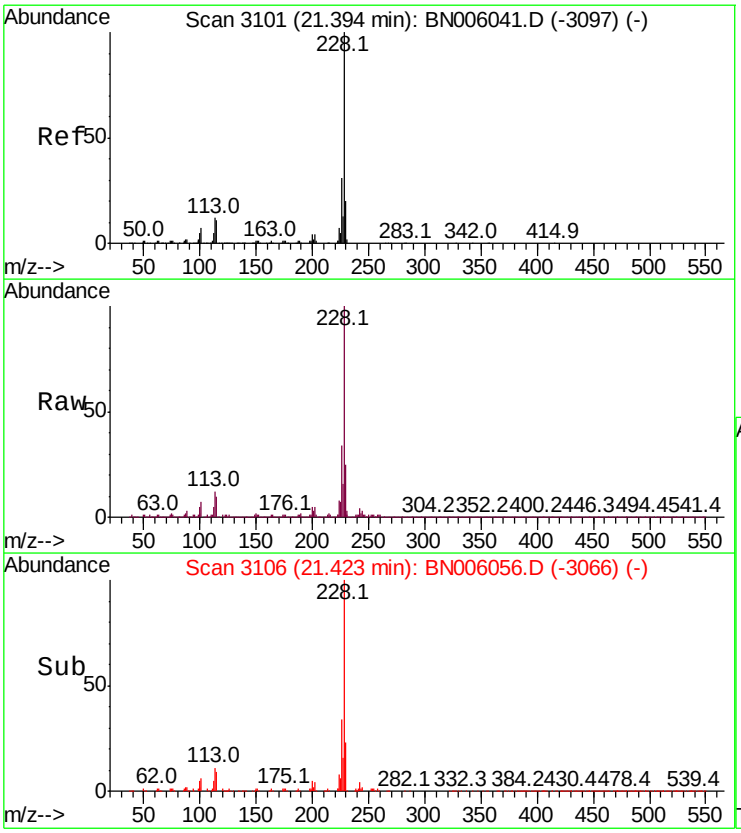

#82
Benzo(a)anthracene
Concen: 290.065 ng/ul
RT: 21.36 min Scan# 3096
Delta R.T. 0.03 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:228 Resp:17240669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.8 | 15.8 | 23.8# |
| 226 | 32.9 | 21.6 | 32.4# |

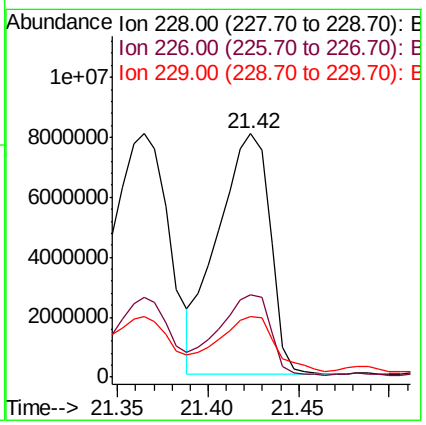


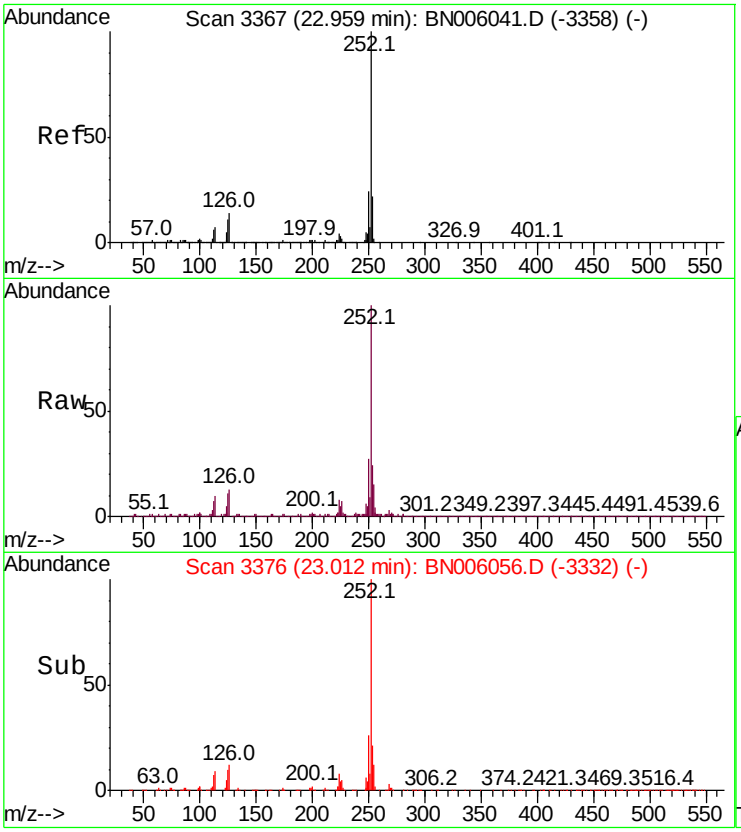




#84
Chrysene
Concen: 288.119 ng/ul
RT: 21.42 min Scan# 3106
Delta R.T. 0.04 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:228 Resp:16202725

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.1 | 24.2 | 36.4 |
| 229 | 25.0 | 16.3 | 24.5# |



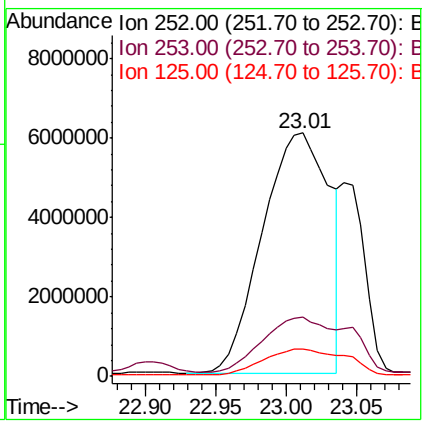


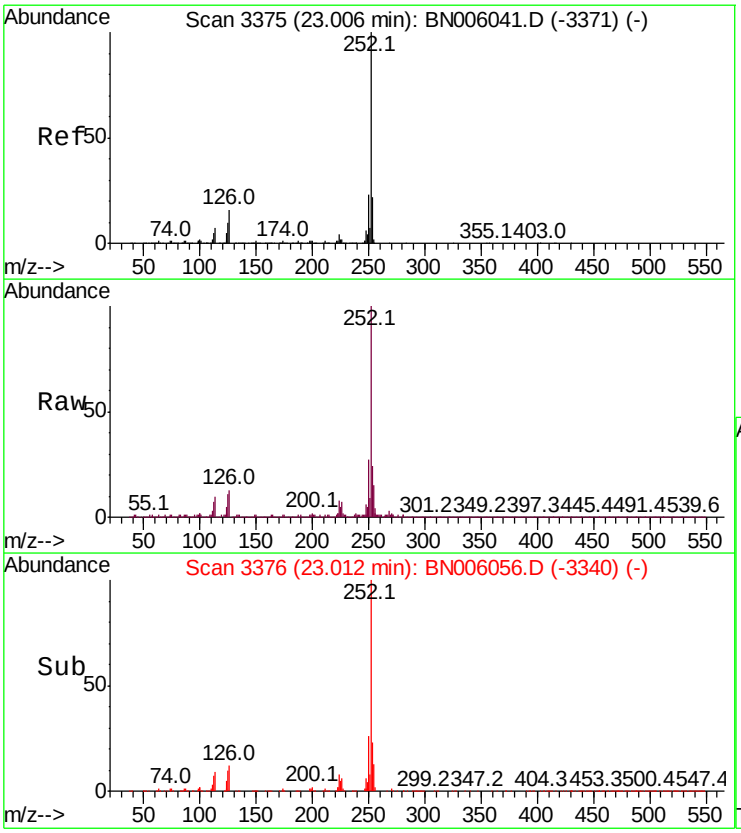

#87
Benzo(b)fluoranthene
Concen: 227.222 ng/ul
RT: 23.01 min Scan# 3376
Delta R.T. 0.06 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:252 Resp:20061266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.3 | 25.9 |
| 125 | 11.0 | 8.5 | 12.7 |

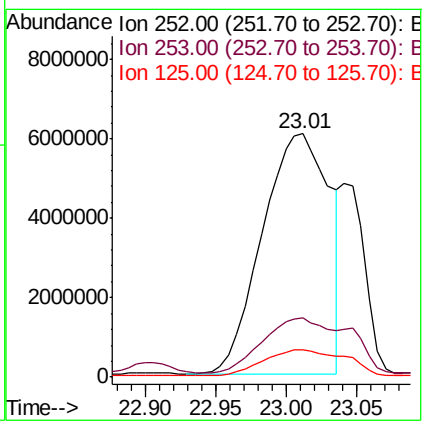


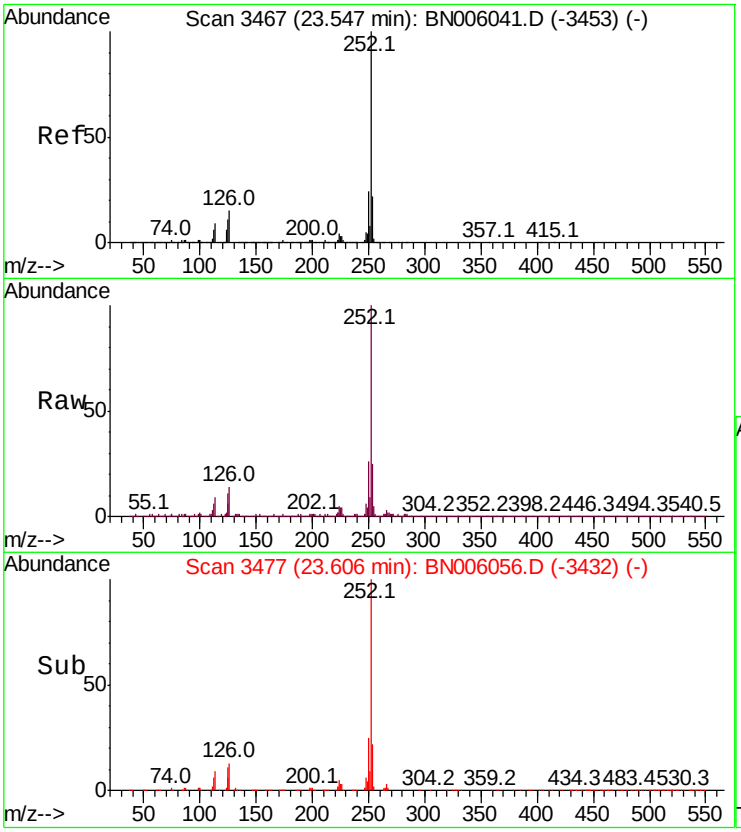




#88
Benzo(k)fluoranthene
Concen: 234.483 ng/ul
RT: 23.01 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:252 Resp:20061266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 17.5 | 26.3 |
| 125 | 11.0 | 8.2 | 12.4 |



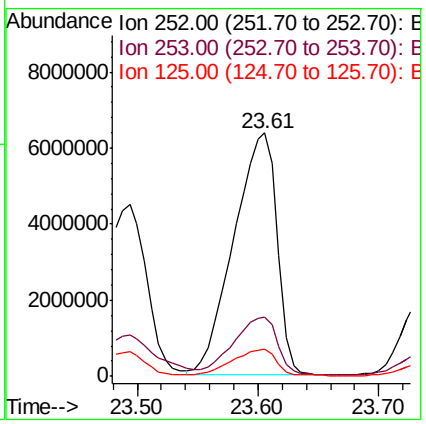


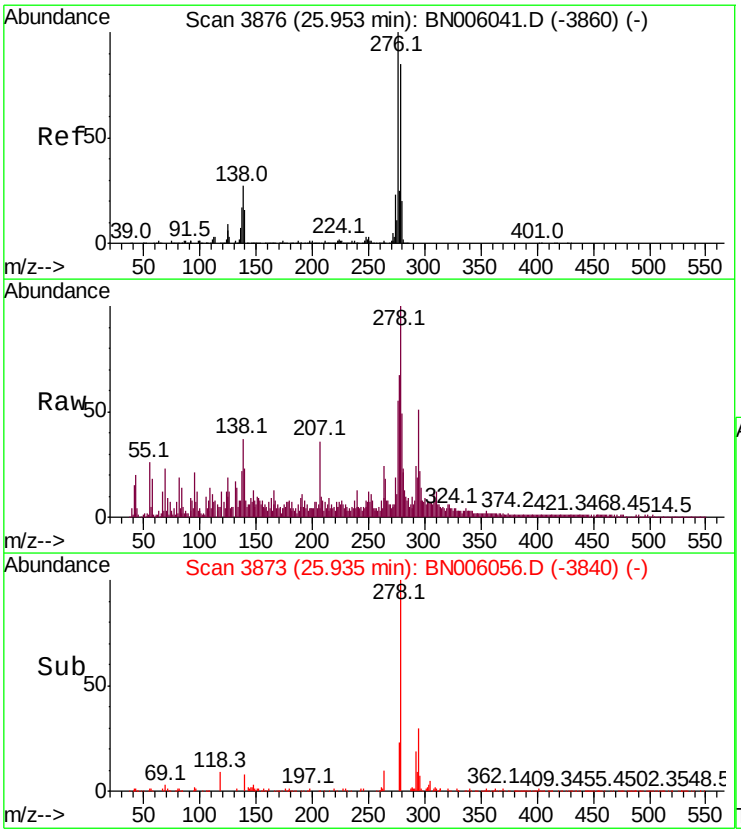

#90
Benzo(a)pyrene
Concen: 187.598 ng/ul
RT: 23.61 min Scan# 3477
Delta R.T. 0.06 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:252 Resp:15748081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 17.1 | 25.7 |
| 125 | 11.0 | 9.2 | 13.8 |

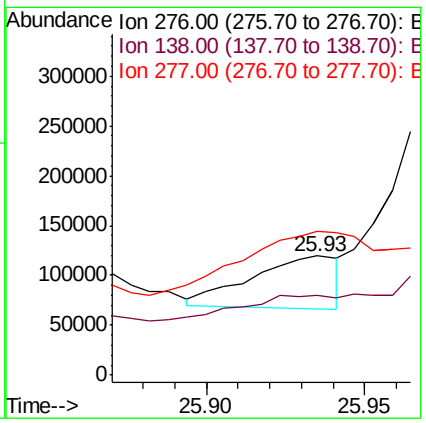


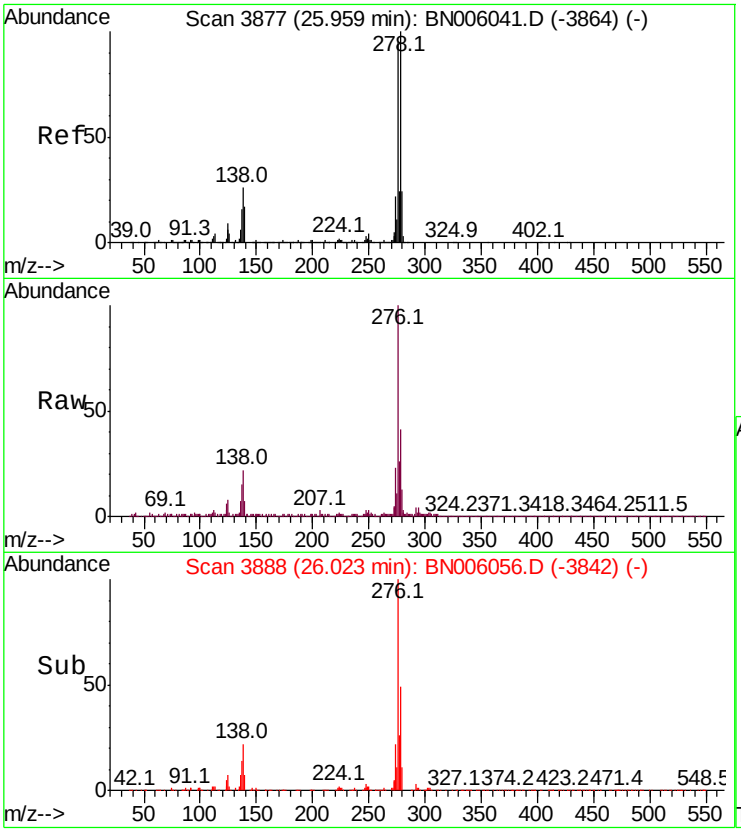




#91
Indeno(1,2,3-cd)pyrene
Concen: 1.037 ng/ul
RT: 25.93 min Scan# 3873
Delta R.T. -0.01 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:276 Resp: 100208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 66.8 | 21.4 | 32.2# |
| 277 | 121.0 | 20.2 | 30.2# |



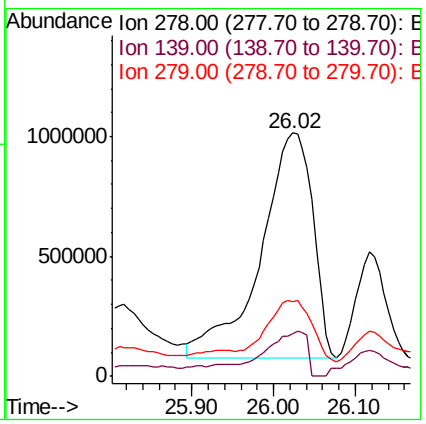


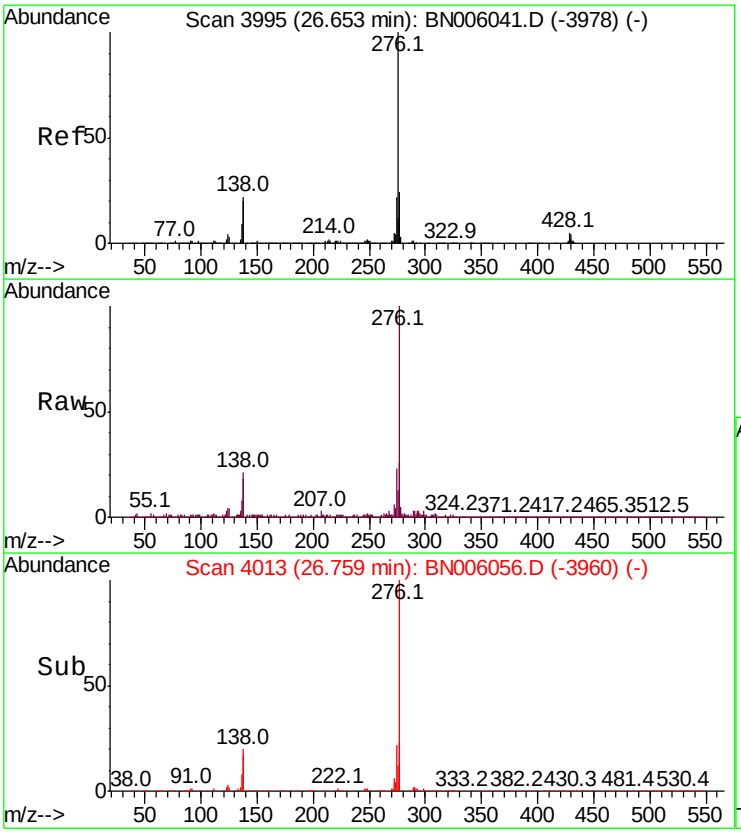

#92
Dibenzo(a,h)anthracene
Concen: 51.373 ng/ul
RT: 26.02 min Scan# 3888
Delta R.T. 0.07 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

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

Tgt Ion:278 Resp: 4185854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.6 | 14.2 | 21.2 |
| 279 | 30.6 | 19.4 | 29.0# |




#93
Benzo(g,h,i)perylene
Concen: 120.938 ng/ul
RT: 26.76 min Scan# 4013
Delta R.T. 0.11 min
Lab File: BN006056.D
Acq: 04 Jun 2019 03:31

Tgt Ion:276 Resp: 9620222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.2 | 18.8 | 28.2 |
| 277 | 26.0 | 19.4 | 29.2 |