Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
Data File : BN001983.D
Acq On : 06 Jul 2018 11:06
Operator : JU/SJ
Sample : J3765-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** F1H08

**Manual Integrations APPROVED**
Sohil
7/9/2018 2:09:09 PM

Quant Time: Jul 07 00:42:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 491961 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.48 | 136 | 2317834 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.34 | 164 | 1386222 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.08 | 188 | 3090155 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.28 | 240 | 2675838 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.51 | 264 | 2262357 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.27 | 96 | 52831m | 4.66 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.88 | 99 | 1255102 | 28.19 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.05 | 67 | 768189 | 27.96 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.25 | 132 | 974199 | 27.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.41 | 113 | 999759 | 28.03 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.86 | 128 | 501381 | 29.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 557416 | 31.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.10 | 165 | 1041794 | 27.39 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.62 | 131 | 1259616 | 31.99 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.75 | 166 | 3305814 | 28.24 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.03 | 160 | 4066456 | 28.14 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.54 | 143 | 531983 | 24.67 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.33 | 176 | 2886280 | 28.13 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 458264 | 27.23 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.18 | 188 | 4340797 | 29.07 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.48 | 212 | 4683024 | 34.72 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.37 | 264 | 3700209 | 30.08 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.80 | 163 | 763832 | 6.639 | ng/ul# | 98 |
| 69) Phenanthrene | 17.12 | 178 | 176623 | 1.015 | ng/ul | 98 |
| 71) Anthracene | 17.22 | 178 | 1225919 | 6.957 | ng/ul | 98 |
| 72) Carbazole | 17.49 | 167 | 338178 | 2.291 | ng/ul | 99 |
| 74) Fluoranthene | 19.14 | 202 | 560150 | 3.061 | ng/ul# | 89 |
| 77) Pyrene | 19.51 | 202 | 713967 | 4.264 | ng/ul# | 87 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 389758 | 2.305 | ng/ul | 95 |
| 82) Chrysene | 21.32 | 228 | 591492 | 3.759 | ng/ul | 98 |
| 85) Benzo(b)fluoranthene | 22.84 | 252 | 1151293 | 8.057 | ng/ul# | 94 |
| 86) Benzo(k)fluoranthene | 22.89 | 252 | 221429m | 1.598 | ng/ul | |
| 88) Benzo(a)pyrene | 23.42 | 252 | 465973 | 3.490 | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 374635 | 2.637 | ng/ul# | 89 |
| 91) Benzo(g,h,i)perylene | 26.42 | 276 | 291144 | 2.484 | ng/ul# | 91 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070618\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 04 00:59:54 2018
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
F1H08

**Manual Integrations APPROVED**
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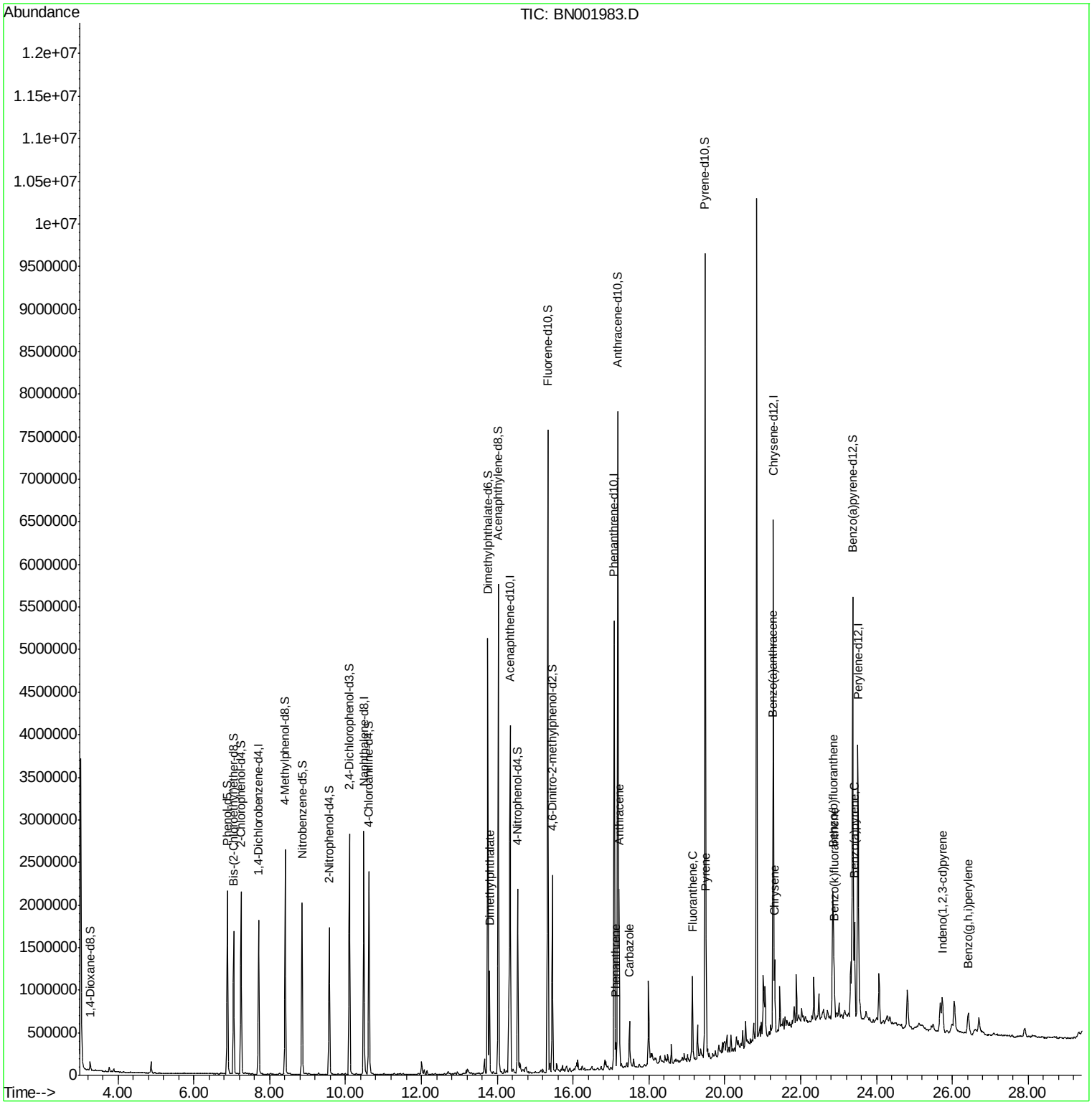
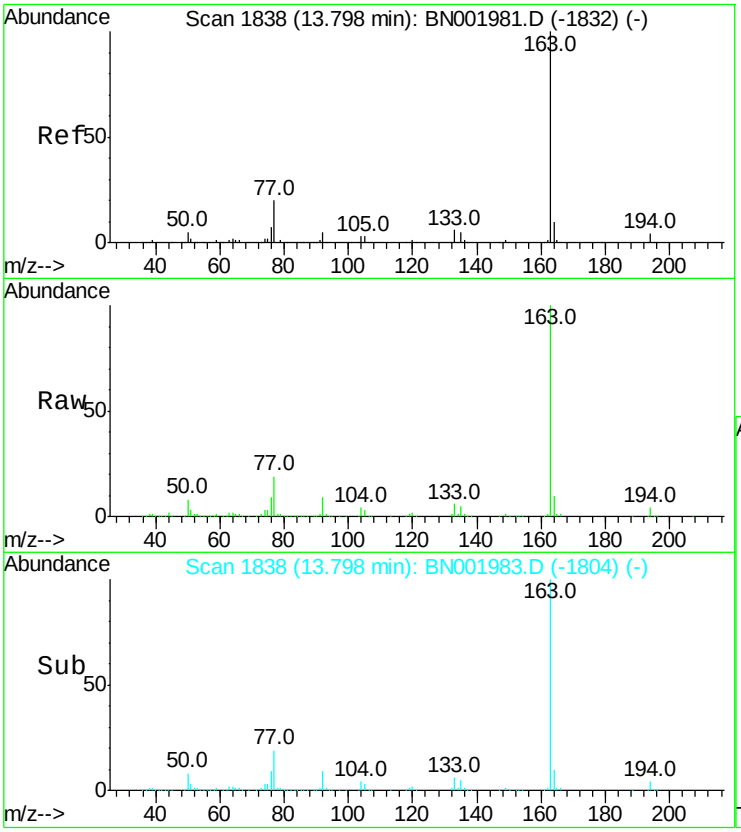
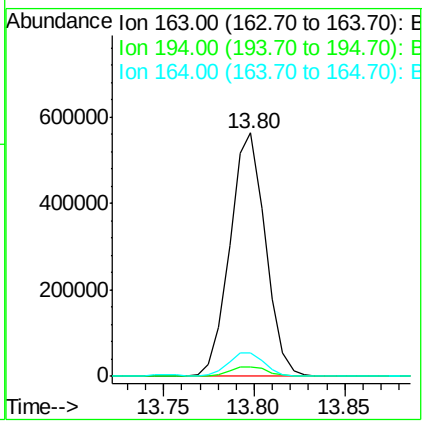





#44
Dimethylphthalate
Concen: 6.639 ng/ul
RT: 13.80 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:163 Resp: 763832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 4.0 | 6.0# |
| 164 | 9.7 | 8.4 | 12.6 |




**Instrument :**
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**ClientSampleId :**
F1H08

**Manual Integrations APPROVED**
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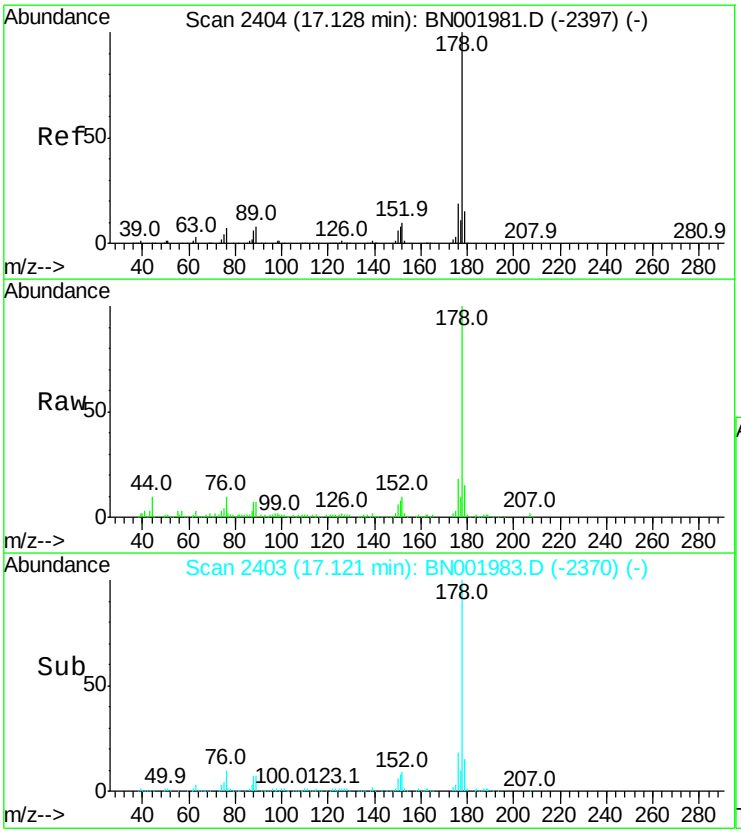
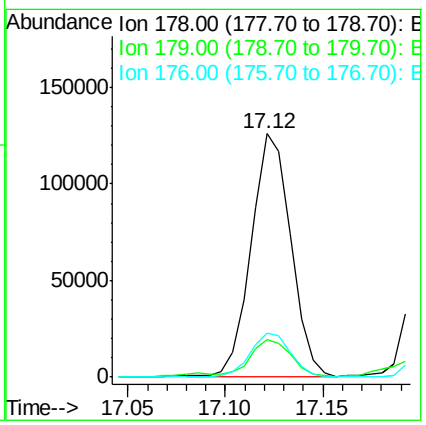
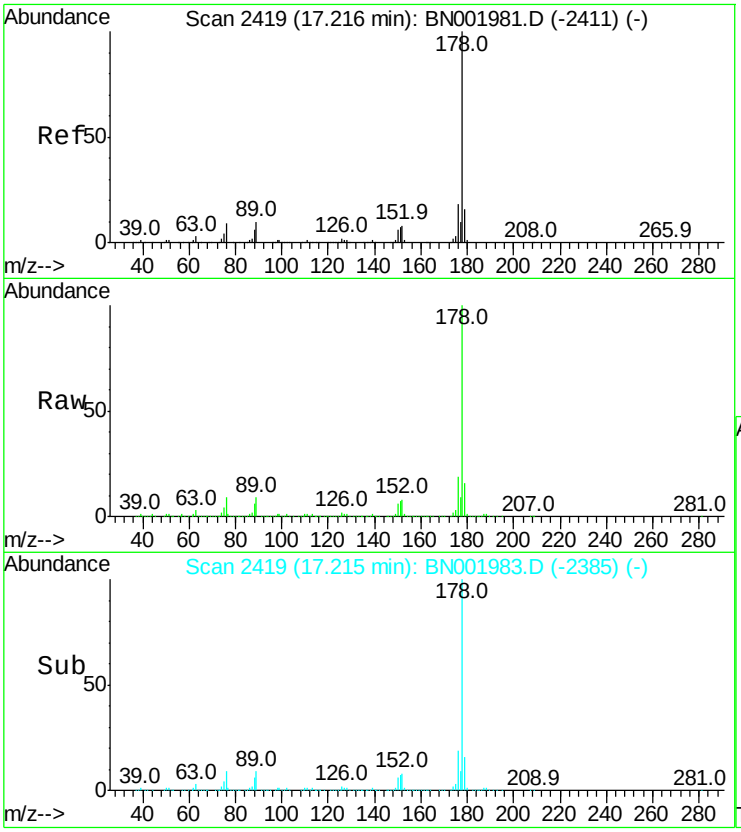



#69
Phenanthrene
Concen: 1.015 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:178 Resp: 176623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.3 | 18.5 |
| 176 | 18.1 | 15.4 | 23.0 |

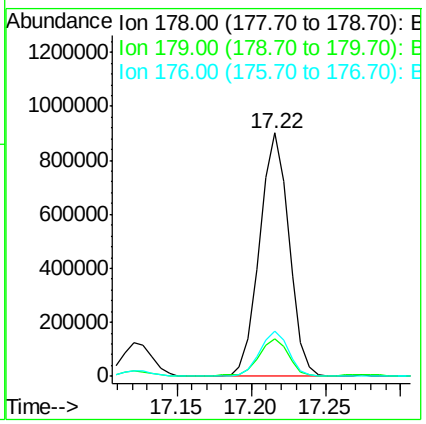





#71
Anthracene
Concen: 6.957 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:178 Resp: 1225919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 13.4 | 20.2 |
| 176 | 18.7 | 15.4 | 23.0 |




**Instrument :**
BNA_N
**ClientSampleId :**
F1H08

**Manual Integrations APPROVED**
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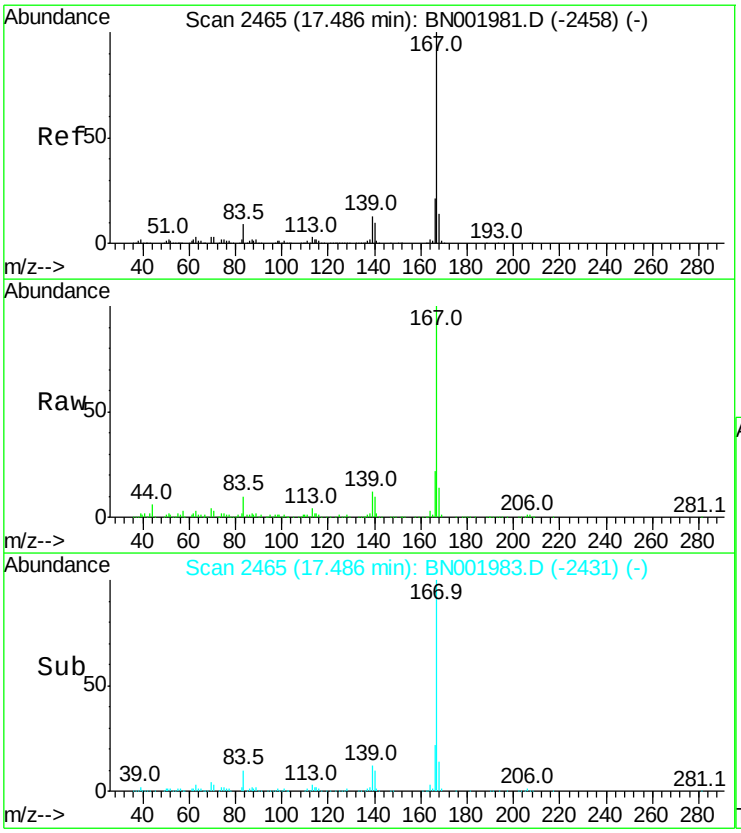
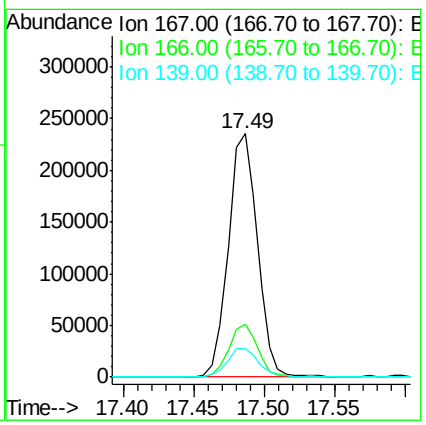
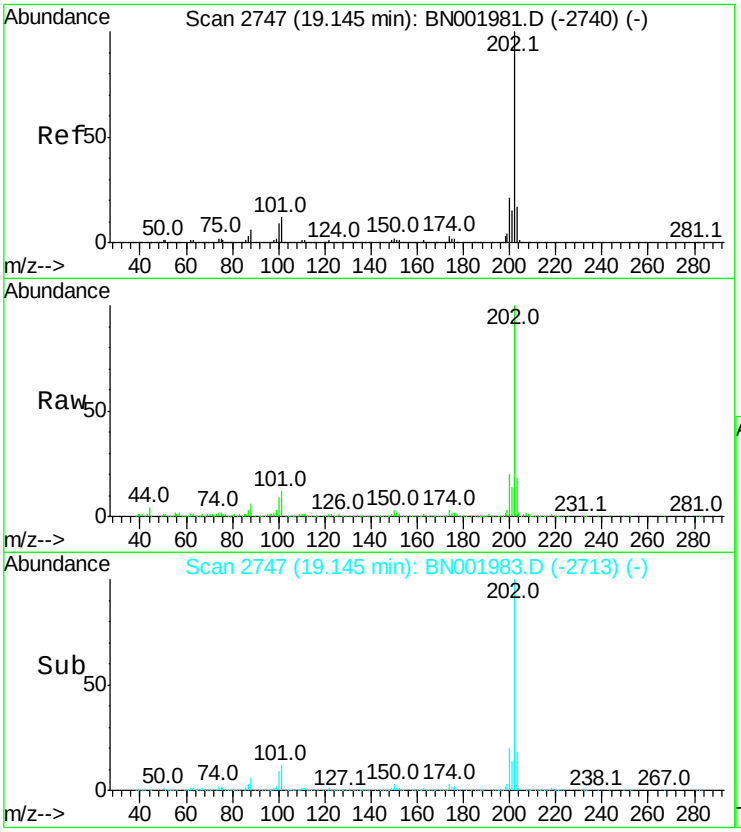



#72
Carbazole
Concen: 2.291 ng/ul
RT: 17.49 min Scan# 2465
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:167 Resp: 338178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.8 | 17.0 | 25.4 |
| 139 | 12.0 | 9.1 | 13.7 |

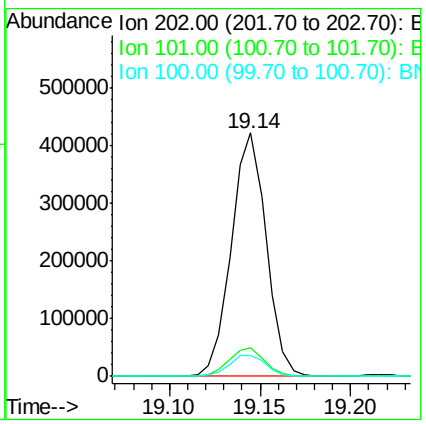





#74
Fluoranthene
Concen: 3.061 ng/ul
RT: 19.14 min Scan# 2747
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:202 Resp: 560150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.9 | 6.1 | 9.1# |
| 100 | 8.7 | 4.6 | 7.0# |




**Instrument :**
BNA_N
**ClientSampleId :**
F1H08

**Manual Integrations APPROVED**
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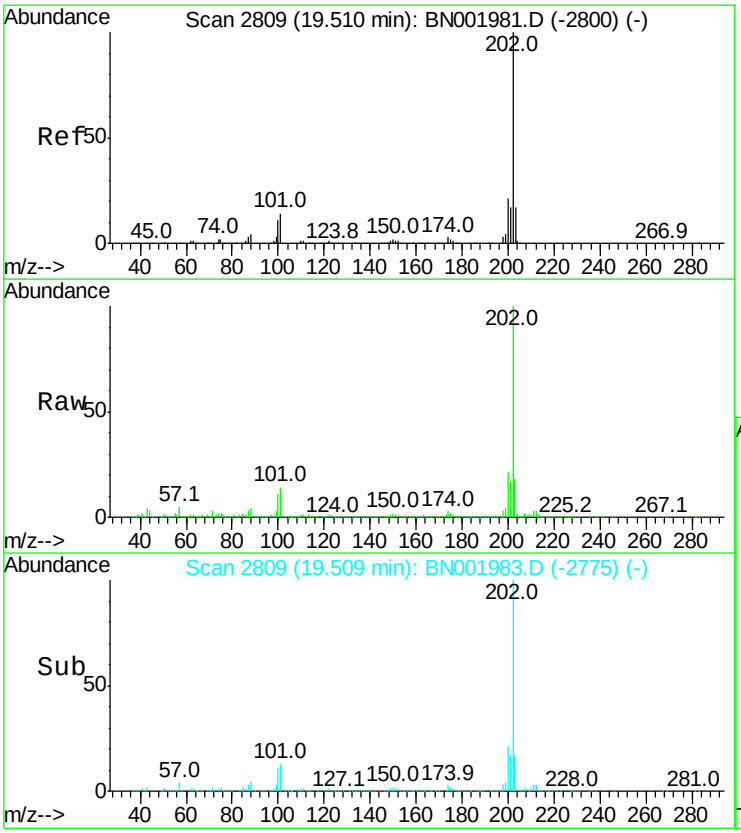
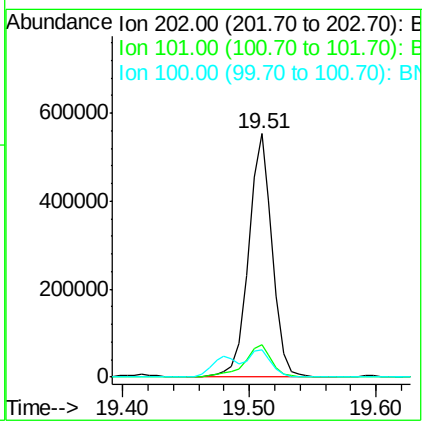
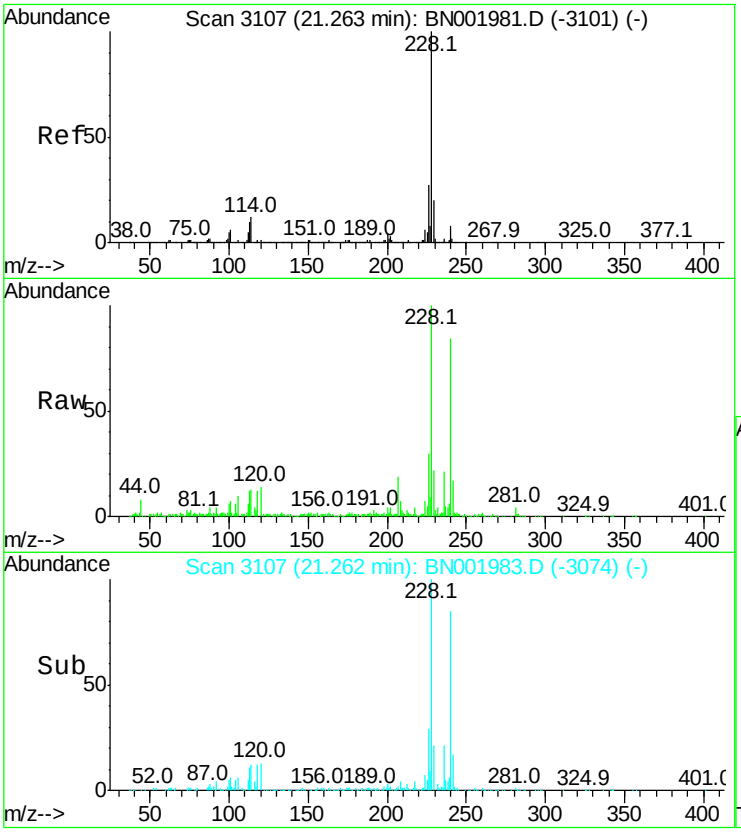



#77
Pyrene
Concen: 4.264 ng/ul
RT: 19.51 min Scan# 2809
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:202 Resp: 713967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 6.9 | 10.3# |
| 100 | 11.2 | 5.6 | 8.4# |

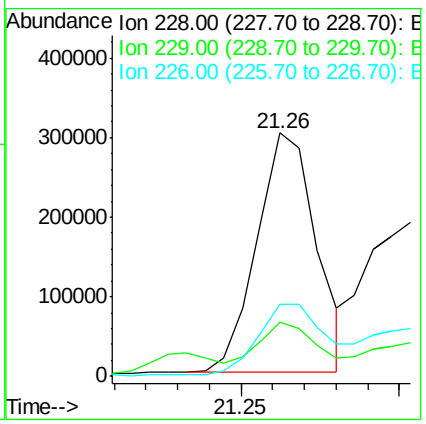





#80
Benzo(a)anthracene
Concen: 2.305 ng/ul
RT: 21.26 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:228 Resp: 389758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.4 | 16.0 | 24.0 |
| 226 | 29.7 | 21.8 | 32.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
F1H08

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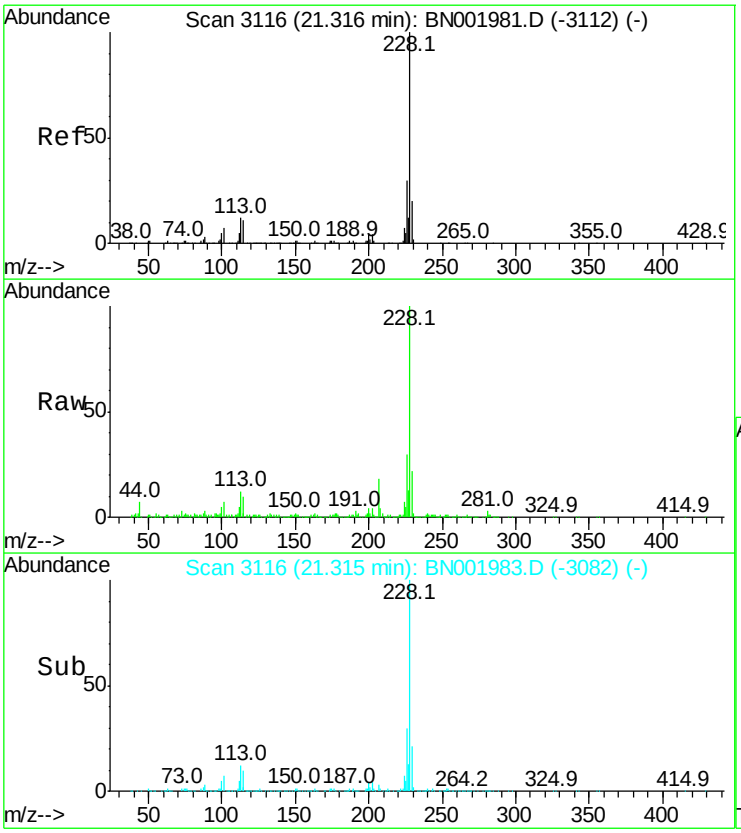
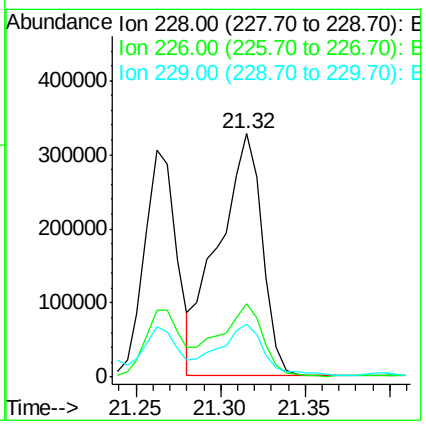
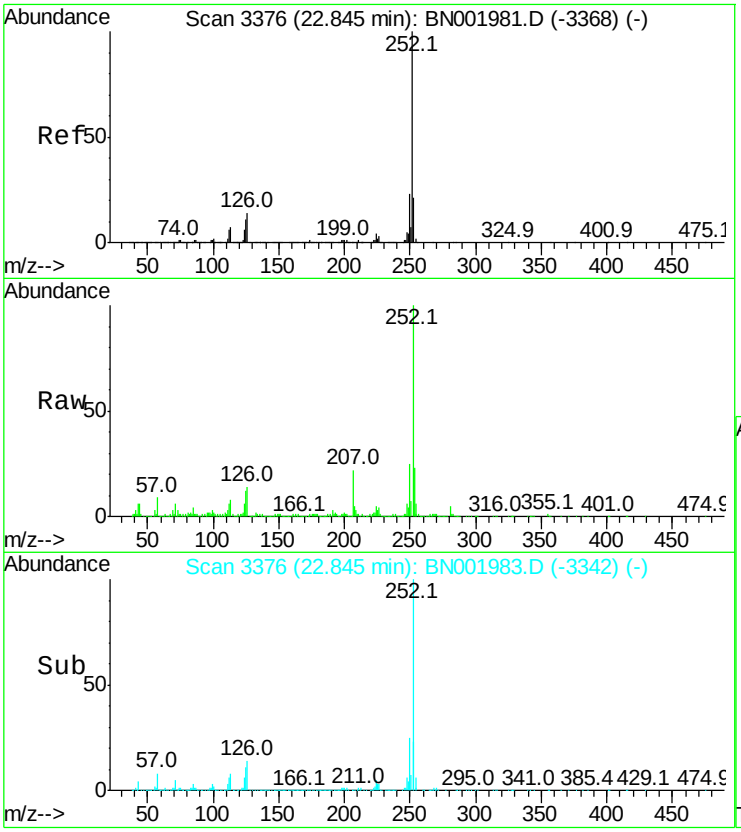



#82
Chrysene
Concen: 3.759 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:228 Resp: 591492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.1 | 36.1 |
| 229 | 21.7 | 16.0 | 24.0 |

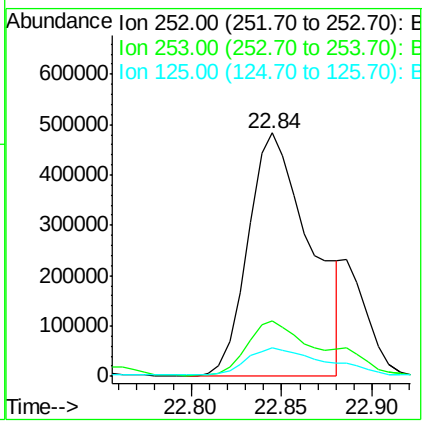





#85
Benzo(b)fluoranthene
Concen: 8.057 ng/ul
RT: 22.84 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:252 Resp: 1151293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.4 | 26.0 |
| 125 | 11.8 | 4.9 | 7.3# |

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**ClientSampleId :**
F1H08

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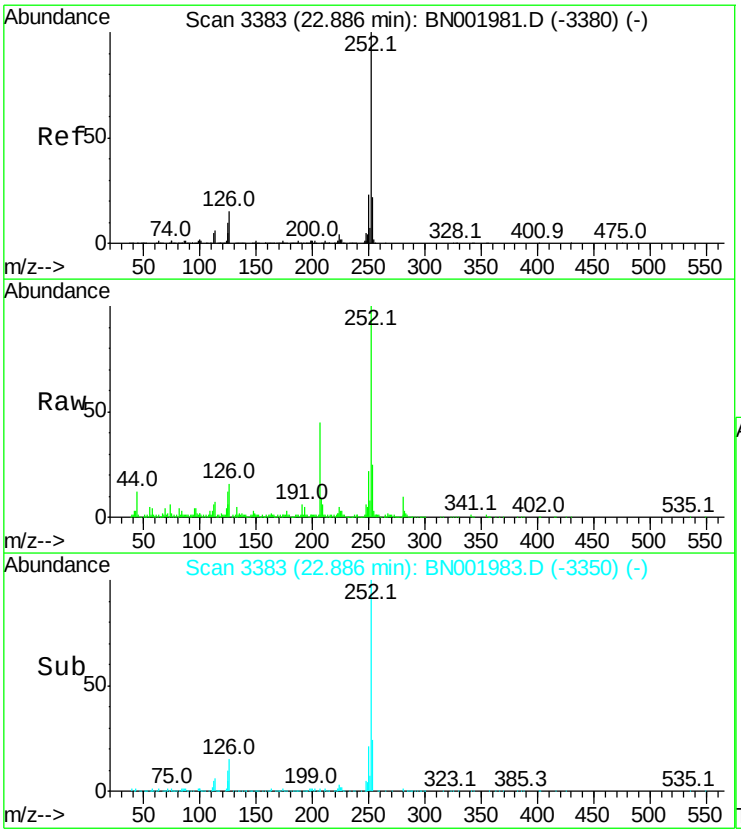
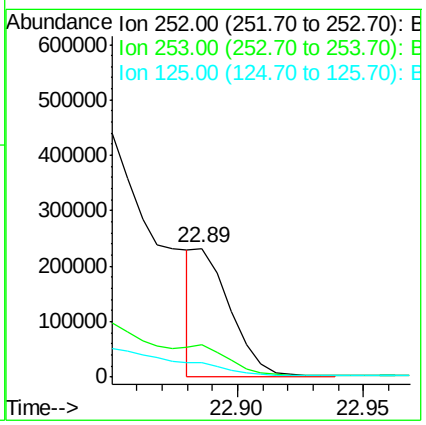
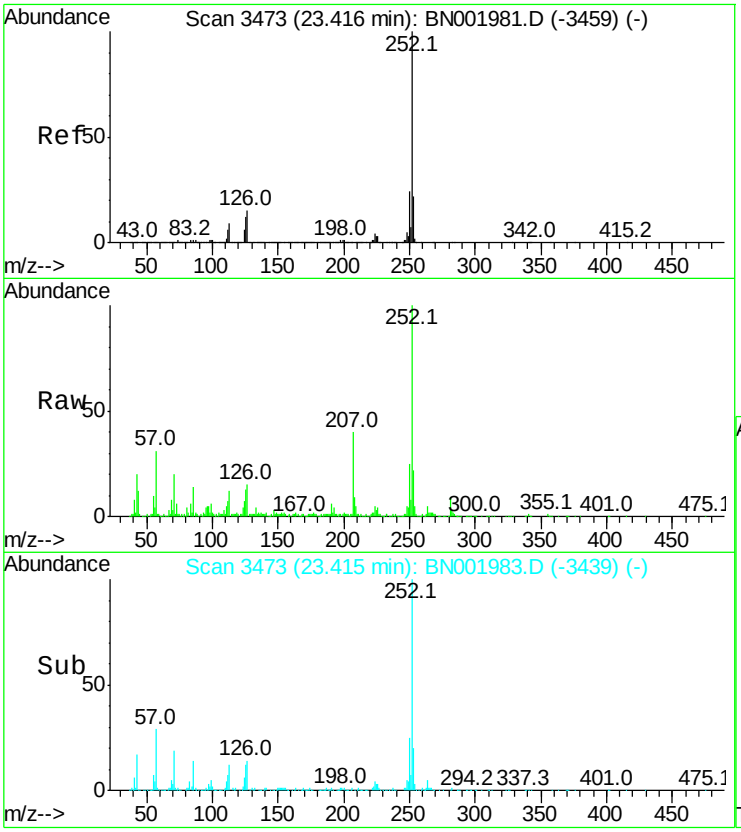



#86
Benzo(k)fluoranthene
Concen: 1.598 ng/ul m
RT: 22.89 min Scan# 3383
Delta R.T. -0.01 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:252 Resp: 221429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.8 | 17.1 | 25.7 |
| 125 | 11.5 | 5.4 | 8.0# |






#88
Benzo(a)pyrene
Concen: 3.490 ng/ul
RT: 23.42 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:252 Resp: 465973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 17.2 | 25.8 |
| 125 | 13.1 | 5.8 | 8.6# |

**Instrument :**
BNA_N
**ClientSampleId :**
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**Manual Integrations APPROVED**
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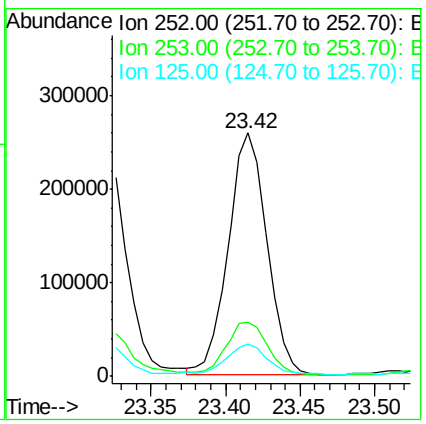
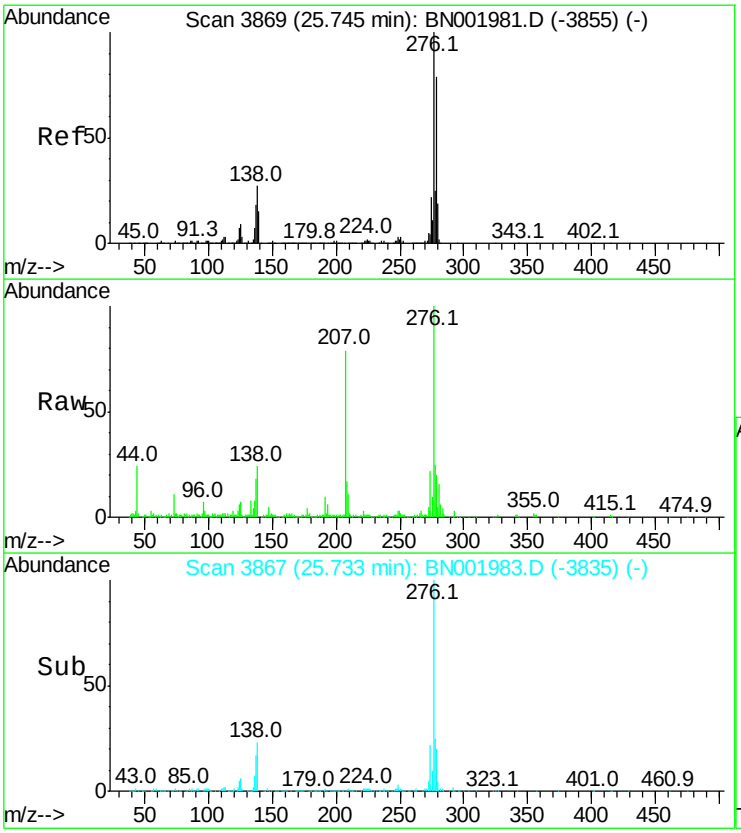
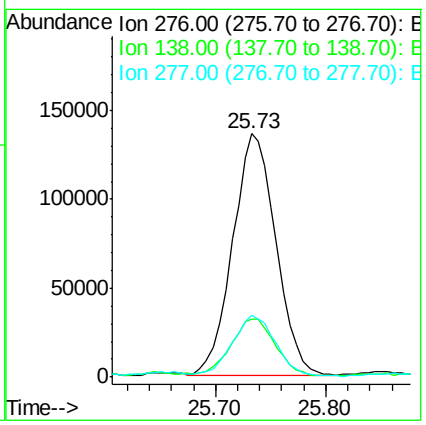


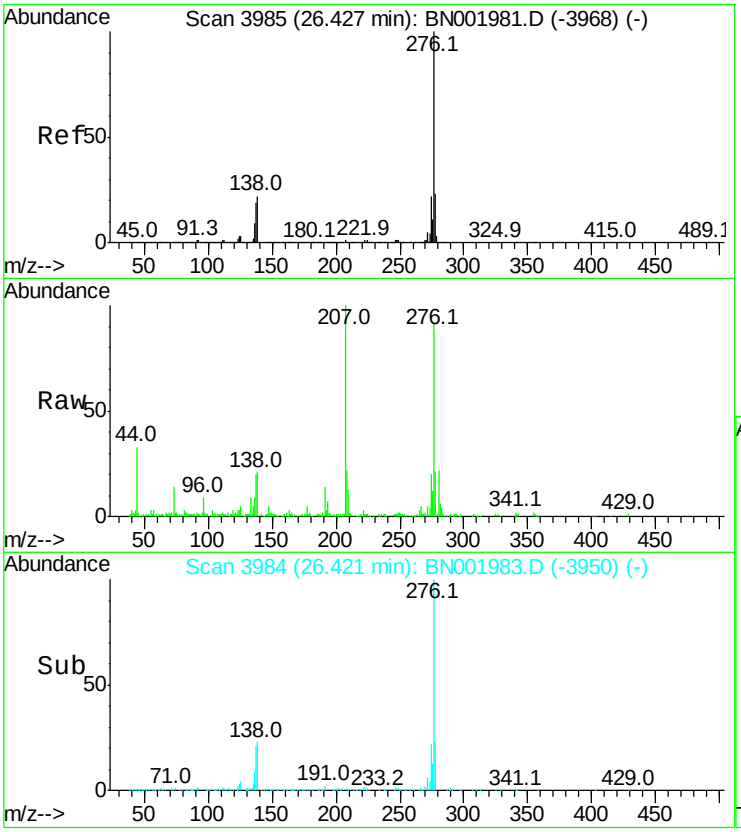




#89
Indeno(1,2,3-cd)pyrene
Concen: 2.637 ng/ul
RT: 25.73 min Scan# 3867
Delta R.T. -0.01 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:276 Resp: 374635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.6 | 10.9 | 16.3# |
| 277 | 25.2 | 18.9 | 28.3 |

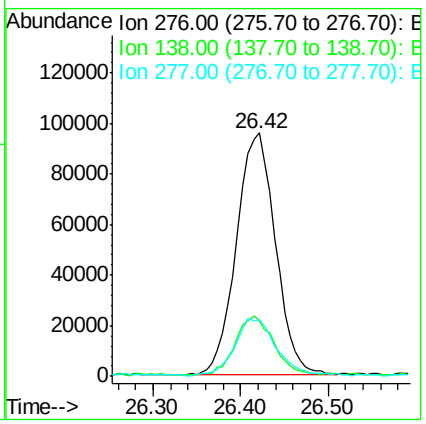





#91
Benzo(g,h,i)perylene
Concen: 2.484 ng/ul
RT: 26.42 min Scan# 3984
Delta R.T. -0.00 min
Lab File: BN001983.D
Acq: 06 Jul 2018 11:06

Tgt Ion:276 Resp: 291144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 11.2 | 16.8# |
| 277 | 23.4 | 19.0 | 28.6 |




**Instrument :**
BNA_N
**ClientSampleId :**
F1H08

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