Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009521.D
Acq On : 31 Jan 2020 21:12
Operator : CG/JU
Sample : L1271-17 5X
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GAT08

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2/3/2020 4:09:09 PM

Quant Time: Feb 01 01:44:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.45 | 152 | 178284 | 20.00 | ng/ul | -0.01 |
| 18) Naphthalene-d8 | 10.20 | 136 | 746785 | 20.00 | ng/ul | -0.01 |
| 35) Acenaphthene-d10 | 14.09 | 164 | 454312 | 20.00 | ng/ul | -0.01 |
| 61) Phenanthrene-d10 | 16.85 | 188 | 904259 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.05 | 240 | 793561 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.16 | 264 | 879950 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.10 | 96 | 2403 | 0.56 | ng/uL | 0.01 |
| 5) Phenol-d5 | 6.65 | 99 | 52269 | 3.31 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.81 | 67 | 36686 | 3.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.99 | 132 | 40770 | 3.53 | ng/ul | -0.01 |
| 13) 4-Methylphenol-d8 | 8.17 | 113 | 42055 | 3.34 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.60 | 128 | 20708 | 3.81 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.30 | 143 | 22427 | 3.94 | ng/ul | -0.01 |
| 26) 2,4-Dichlorophenol-d3 | 9.84 | 165 | 40874 | 3.62 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.36 | 131 | 12867m | 0.94 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.51 | 166 | 134968 | 4.01 | ng/ul | -0.01 |
| 46) Acenaphthylene-d8 | 13.78 | 160 | 157385 | 3.94 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.33 | 143 | 22047 | 3.52 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.09 | 176 | 120340 | 4.08 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 16749 | 3.06 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 16.95 | 188 | 172150 | 4.12 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.25 | 212 | 180738 | 4.23 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.03 | 264 | 171352 | 3.86 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 28) Naphthalene | 10.25 | 128 | 183202 | 4.559 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 11.87 | 142 | 1328065 | 48.003 | ng/ul | 99 |
| 40) 1,1'-Biphenyl | 12.91 | 154 | 110343 | 3.208 | ng/ul | 98 |
| 44) Dimethylphthalate | 13.56 | 163 | 38358 | 1.108 | ng/ul# | 95 |
| 47) Acenaphthylene | 13.81 | 152 | 2684078 | 62.321 | ng/ul | 98 |
| 49) Acenaphthene | 14.15 | 153 | 396211 | 13.485 | ng/ul | 95 |
| 53) Dibenzofuran | 14.49 | 168 | 514200 | 12.596 | ng/ul | 96 |
| 58) Fluorene | 15.15 | 166 | 2292345 | 67.013 | ng/ul | 99 |
| 64) N-Nitrosodiphenylamine | 15.37 | 169 | 56778 | 2.121 | ng/ul# | 86 |
| 69) Phenanthrene | 16.90 | 178 | 12439608 | 243.806 | ng/ul | 100 |
| 71) Anthracene | 16.97 | 178 | 1002196 | 19.292 | ng/ul | 98 |
| 76) Fluoranthene | 18.91 | 202 | 2695530 | 46.086 | ng/ul | 99 |
| 79) Pyrene | 19.28 | 202 | 4445223 | 77.363 | ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.03 | 228 | 1527086m | 28.258 | ng/ul | |
| 84) Chrysene | 21.09 | 228 | 1380409 | 26.222 | ng/ul | 98 |
| 87) Benzo(b)fluoranthene | 22.55 | 252 | 743464 | 13.362 | ng/ul# | 98 |
| 88) Benzo(k)fluoranthene | 22.58 | 252 | 274166m | 5.011 | ng/ul | |
| 90) Benzo(a)pyrene | 23.07 | 252 | 491818 | 9.848 | ng/ul | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 277558 | 4.586 | ng/ul | 94 |
| 92) Dibenzo(a,h)anthracene | 25.23 | 278 | 109820 | 2.151 | ng/ul# | 93 |
| 93) Benzo(g,h,i)perylene | 25.86 | 276 | 209440 | 4.160 | ng/ul | 95 |

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Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
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Sample : L1271-17 5X
Misc :
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Quant Time: Feb 01 01:44:37 2020
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration

**Instrument :**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
Data File : BN009521.D
Acq On : 31 Jan 2020 21:12
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**Instrument :**
BNA_N
**ClientSampleId :**
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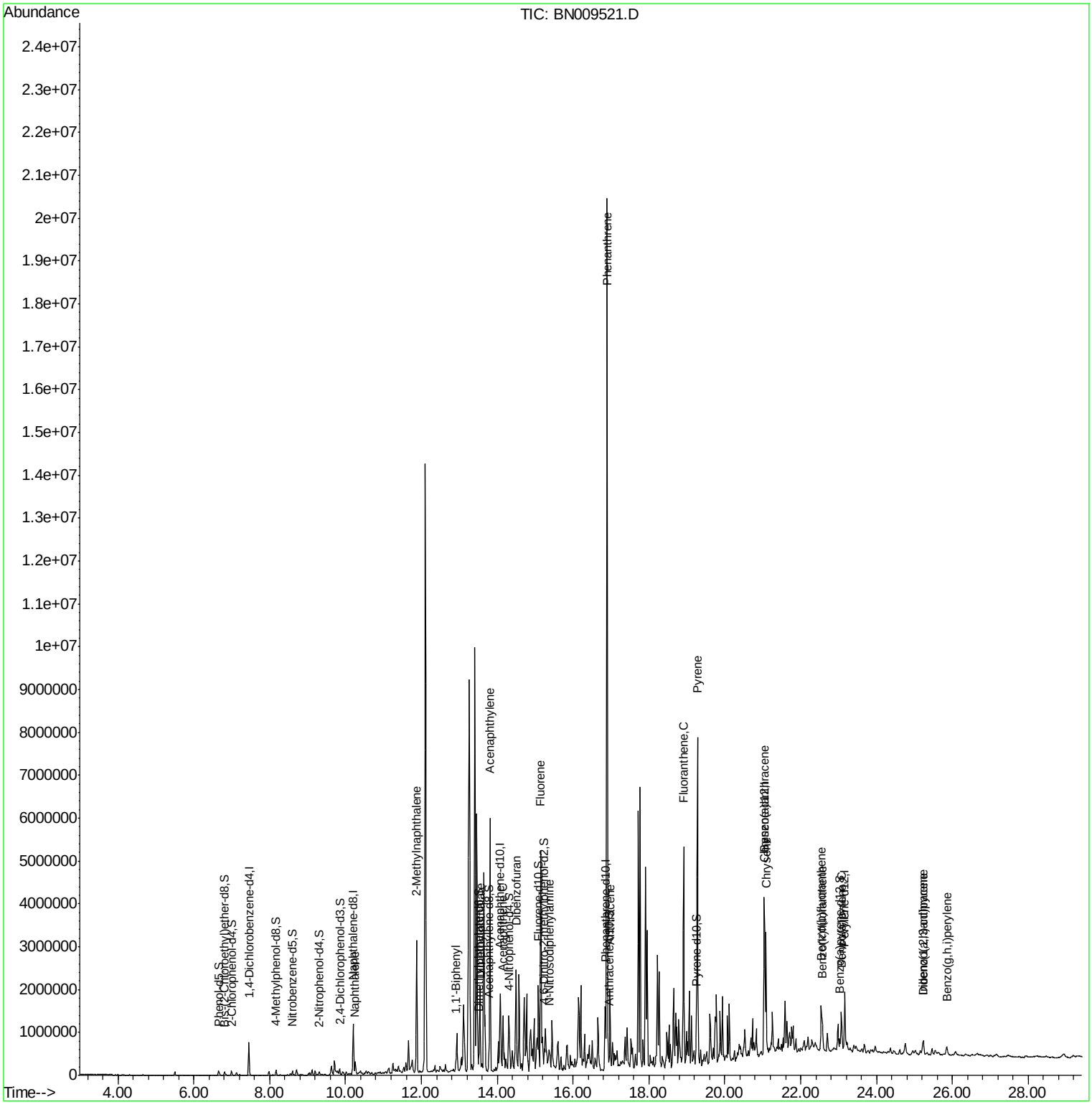
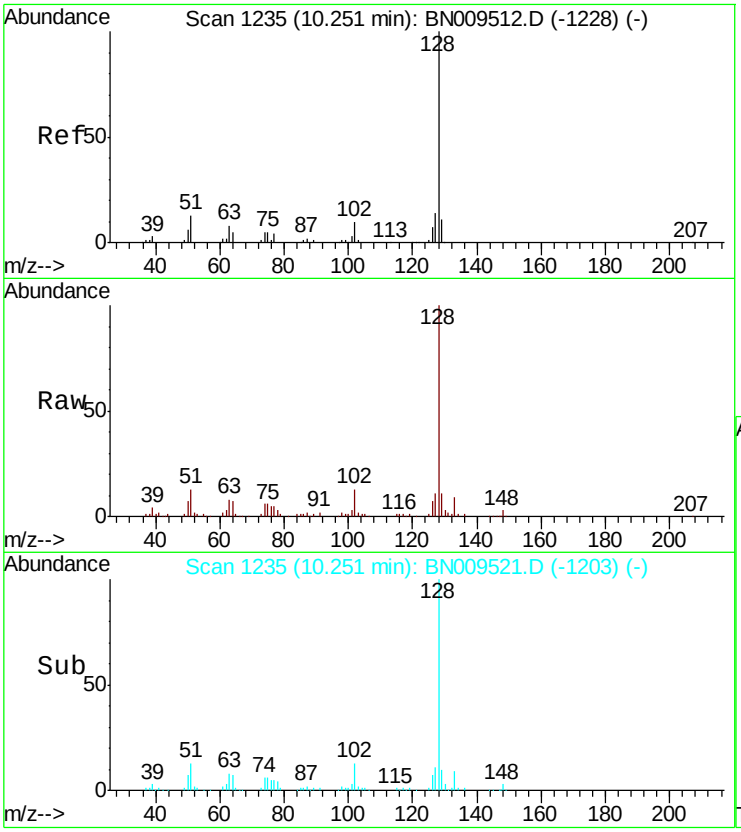
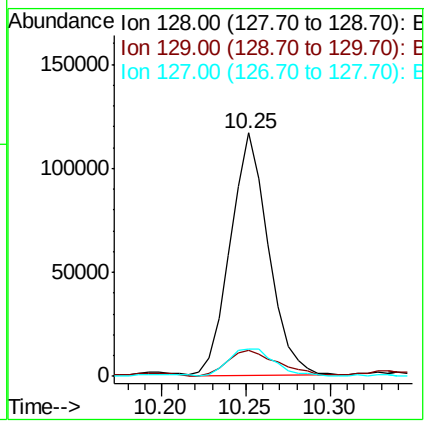





#28
Naphthalene
Concen: 4.559 ng/ul
RT: 10.25 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:128 Resp: 183202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.1 | 12.1 |
| 127 | 11.5 | 11.0 | 16.6 |




**Instrument :**
BNA_N
**ClientSampleId :**
GAT08

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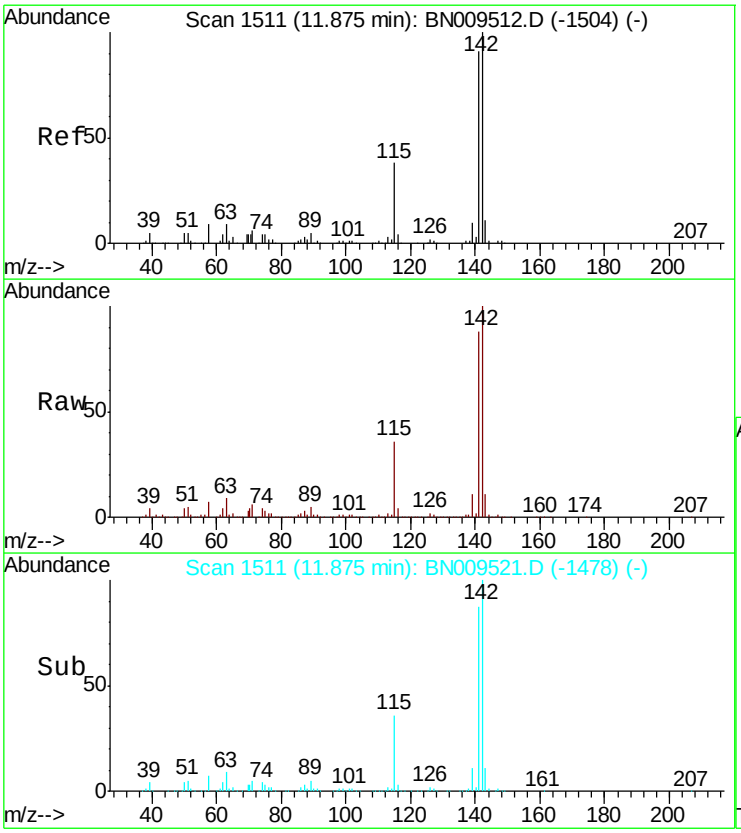
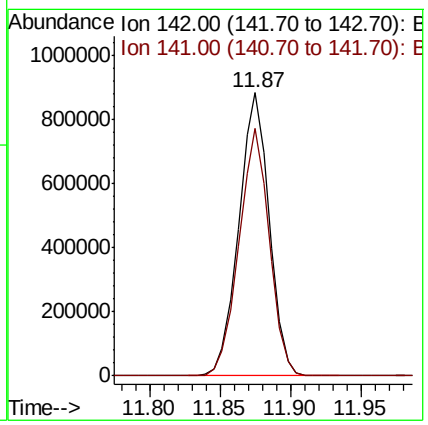
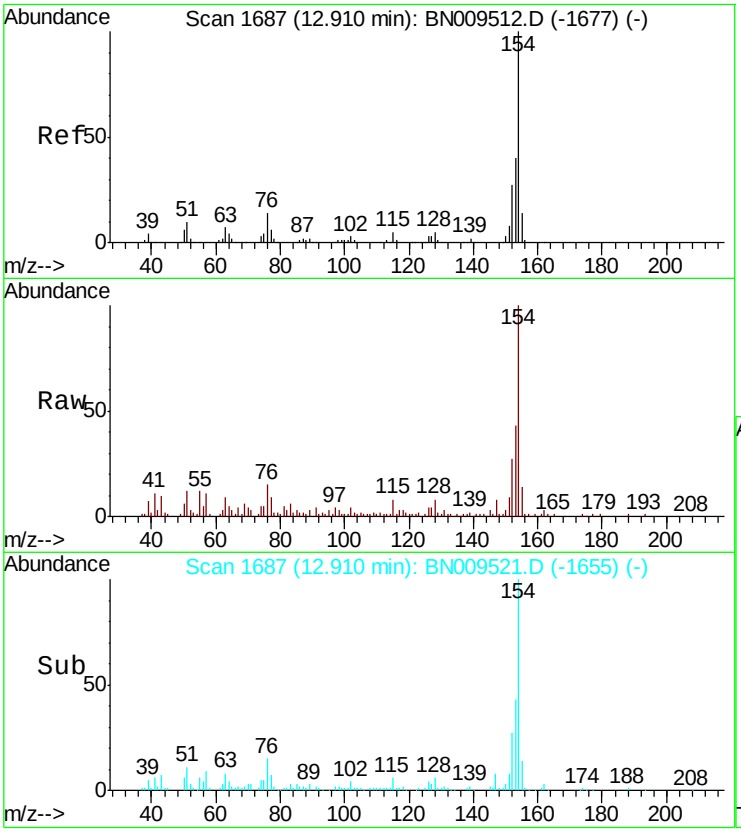



#34
2-Methylnaphthalene
Concen: 48.003 ng/ul
RT: 11.87 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:142 Resp: 1328065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.5 | 69.3 | 103.9 |






#40
1,1'-Biphenyl
Concen: 3.208 ng/ul
RT: 12.91 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:154 Resp: 110343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 42.7 | 32.6 | 49.0 |
| 76 | 14.5 | 11.4 | 17.0 |

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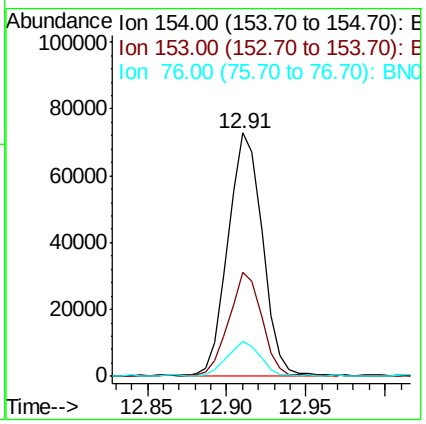
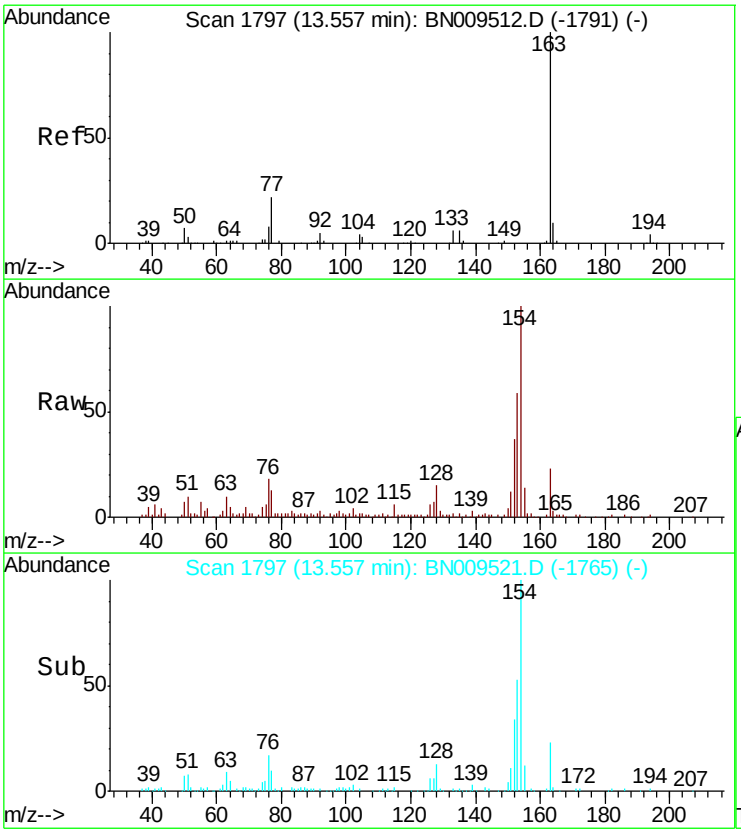
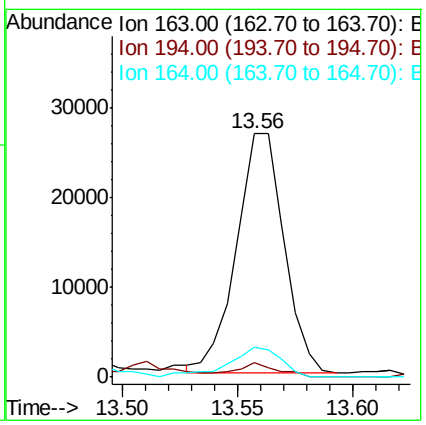


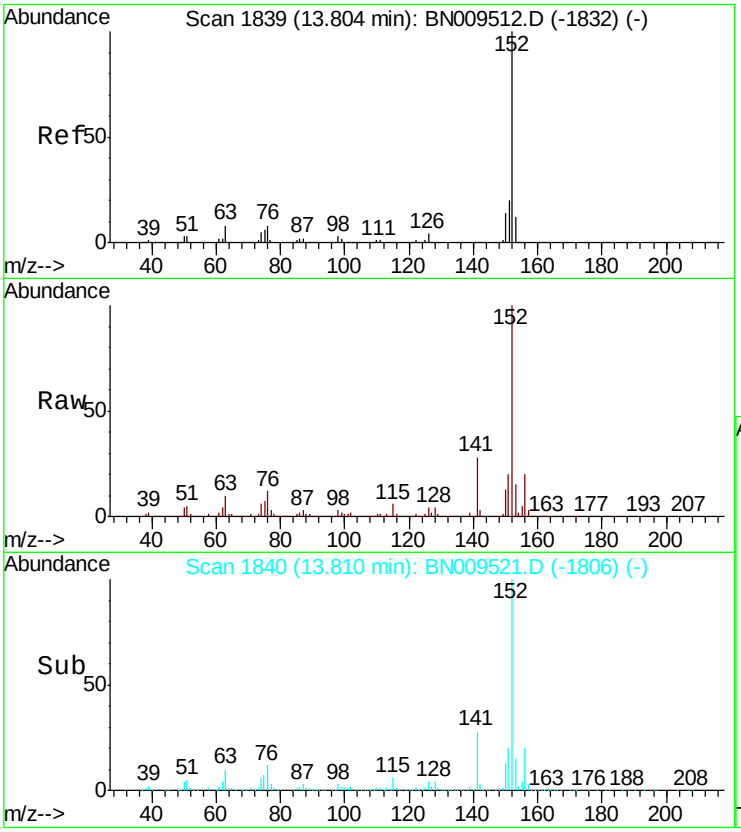




#44
Dimethylphthalate
Concen: 1.108 ng/ul
RT: 13.56 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:163 Resp: 38358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.7 | 3.1 | 4.7# |
| 164 | 12.1 | 8.3 | 12.5 |

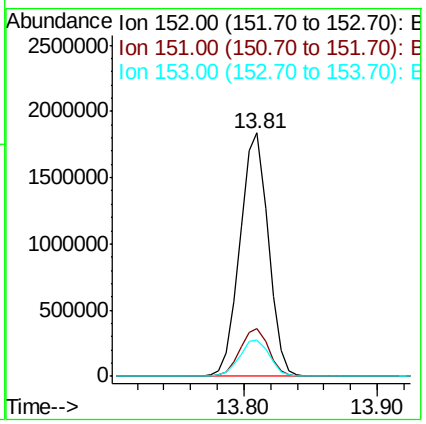





#47
Acenaphthylene
Concen: 62.321 ng/ul
RT: 13.81 min Scan# 1840
Delta R.T. -0.00 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:152 Resp: 2684078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 16.2 | 24.4 |
| 153 | 14.9 | 10.8 | 16.2 |




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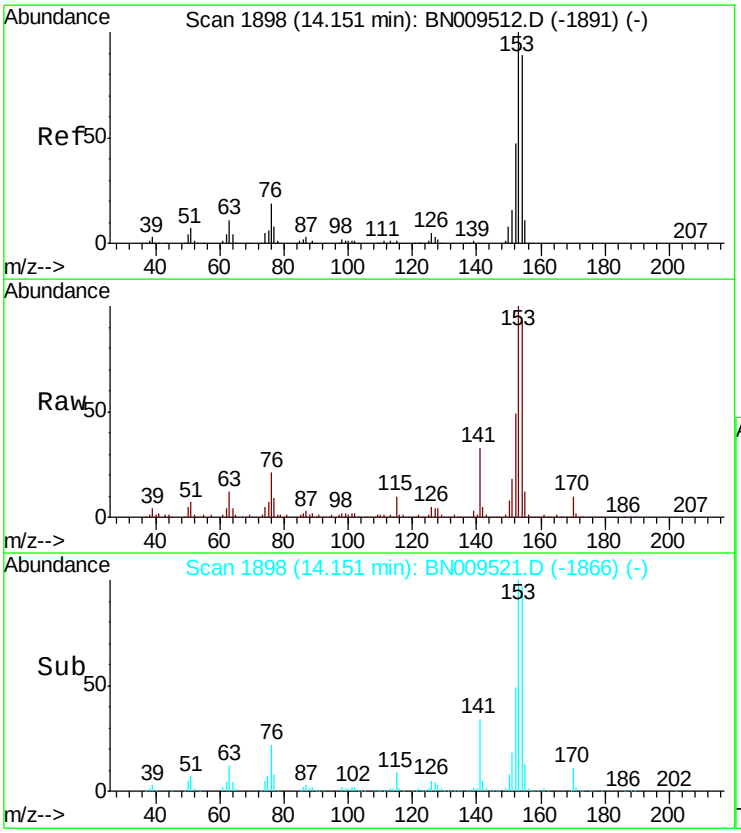
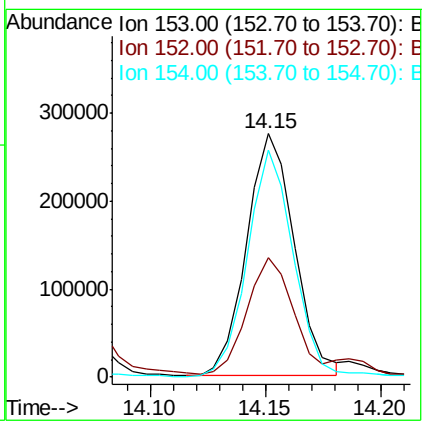
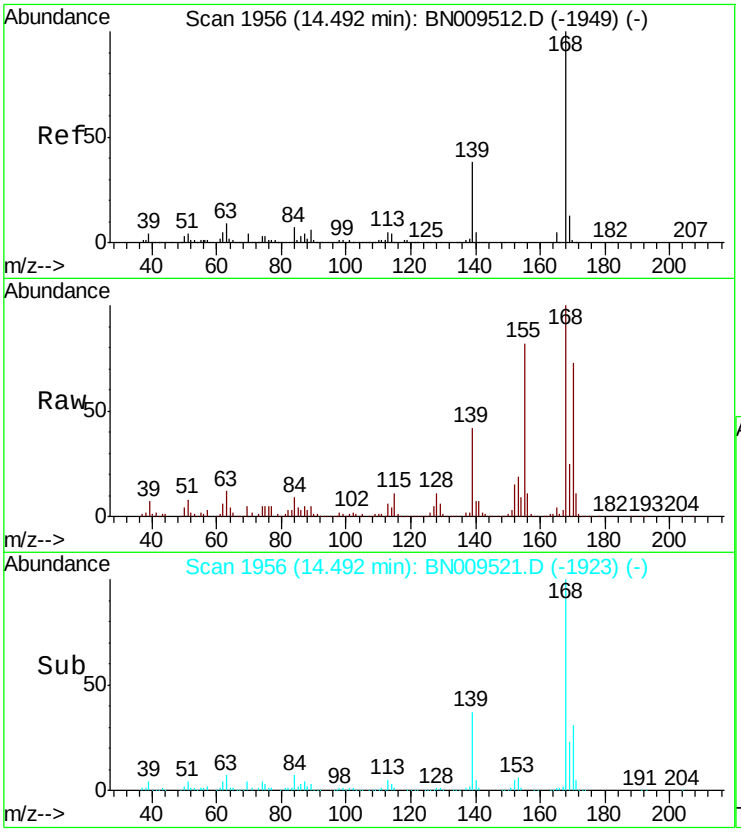



#49
Acenaphthene
Concen: 13.485 ng/ul
RT: 14.15 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:153 Resp: 396211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.9 | 36.3 | 54.5 |
| 154 | 93.2 | 71.4 | 107.0 |






#53
Dibenzofuran
Concen: 12.596 ng/ul
RT: 14.49 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:168 Resp: 514200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 42.0 | 31.4 | 47.2 |

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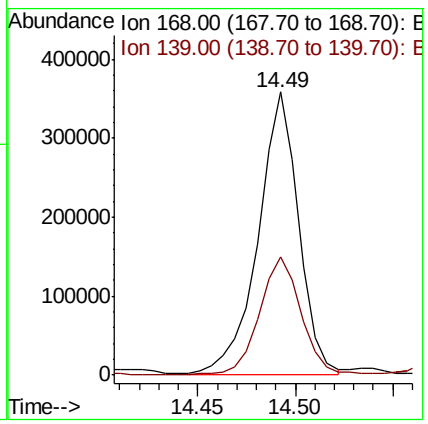
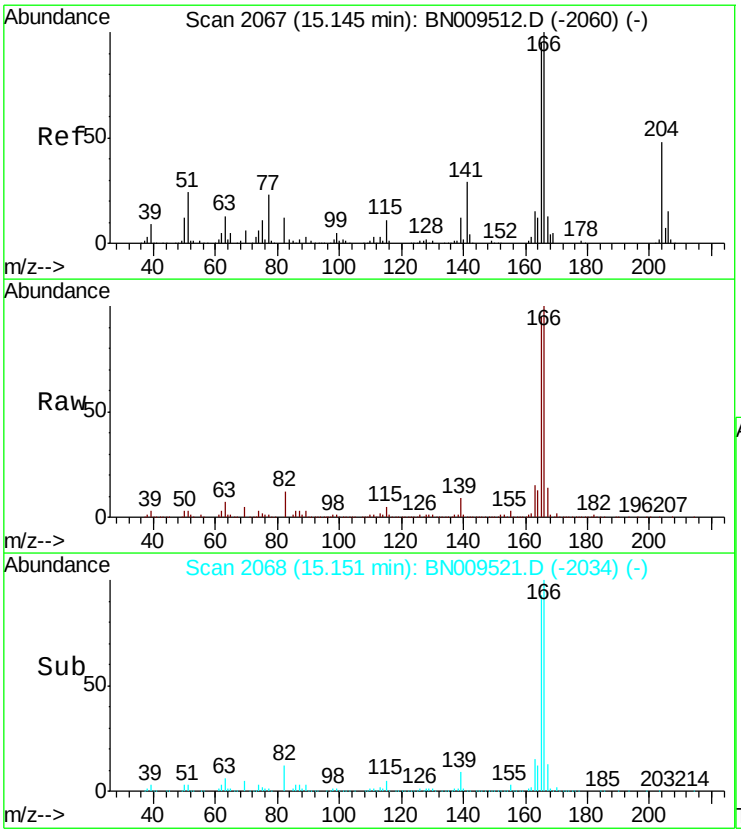
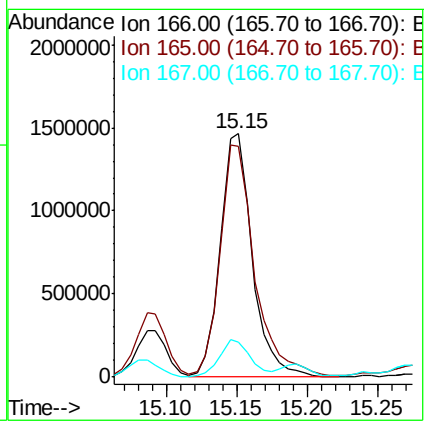


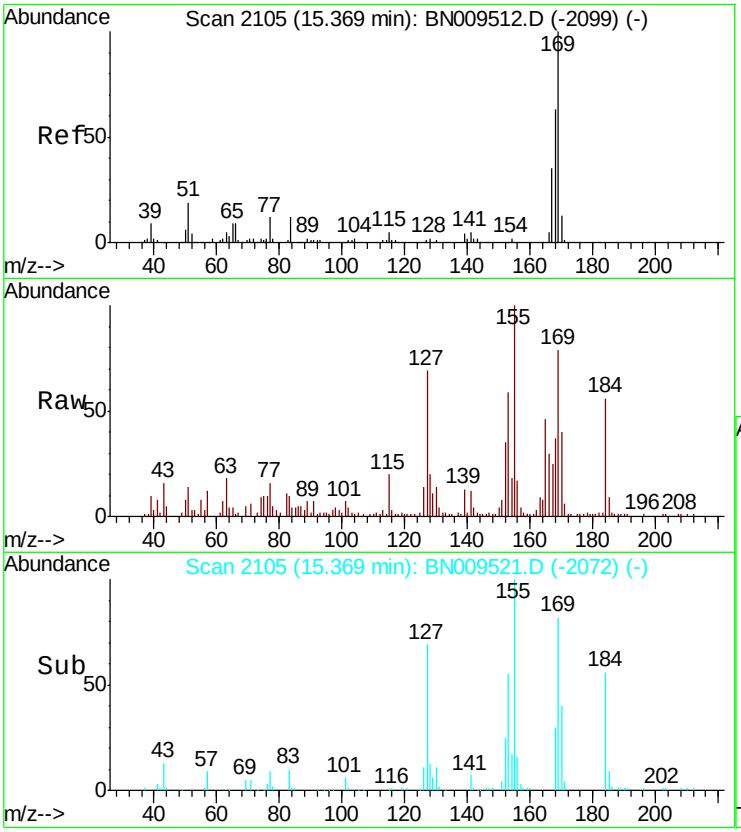




#58
Fluorene
Concen: 67.013 ng/ul
RT: 15.15 min Scan# 2068
Delta R.T. -0.00 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:166 Resp: 2292345

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.7 | 76.5 | 114.7 |
| 167 | 14.2 | 10.9 | 16.3 |

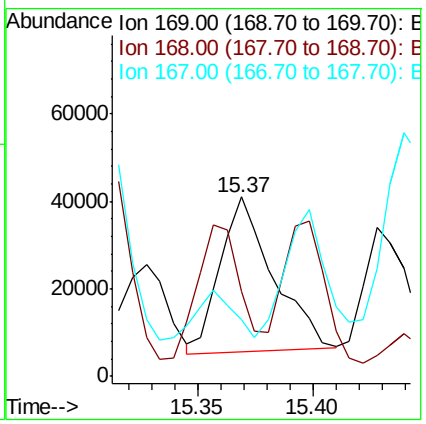





#64
N-Nitrosodiphenylamine
Concen: 2.121 ng/ul
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:169 Resp: 56778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 47.0 | 49.8 | 74.8# |
| 167 | 31.9 | 27.6 | 41.4 |

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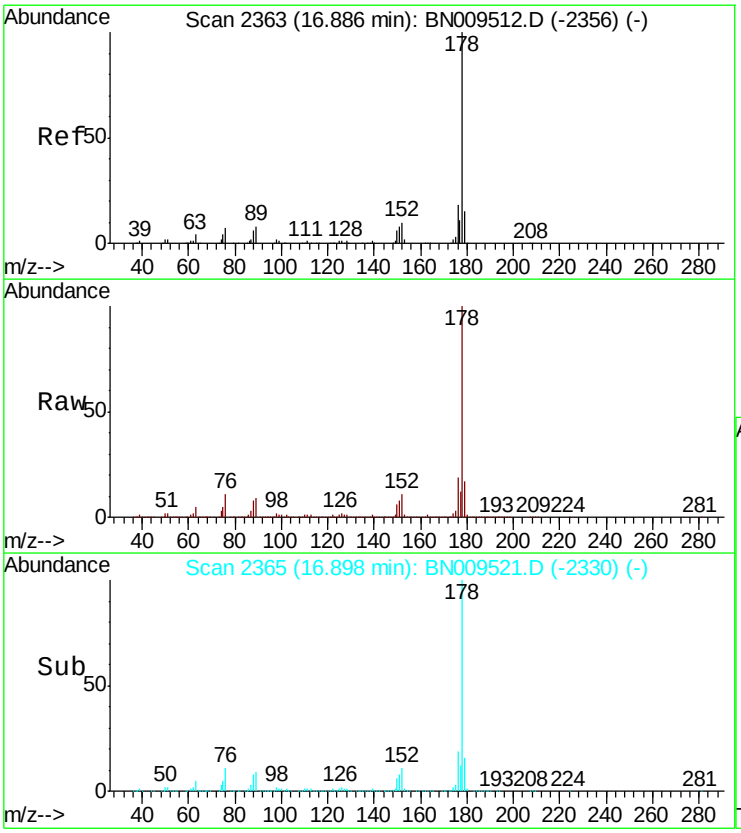
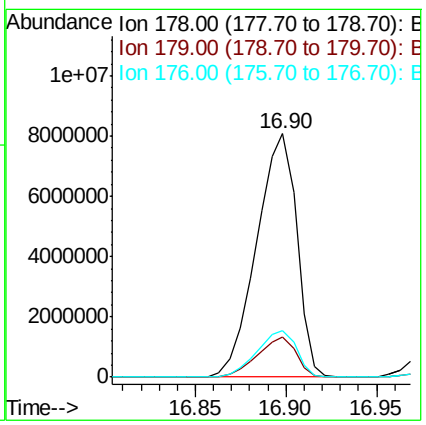
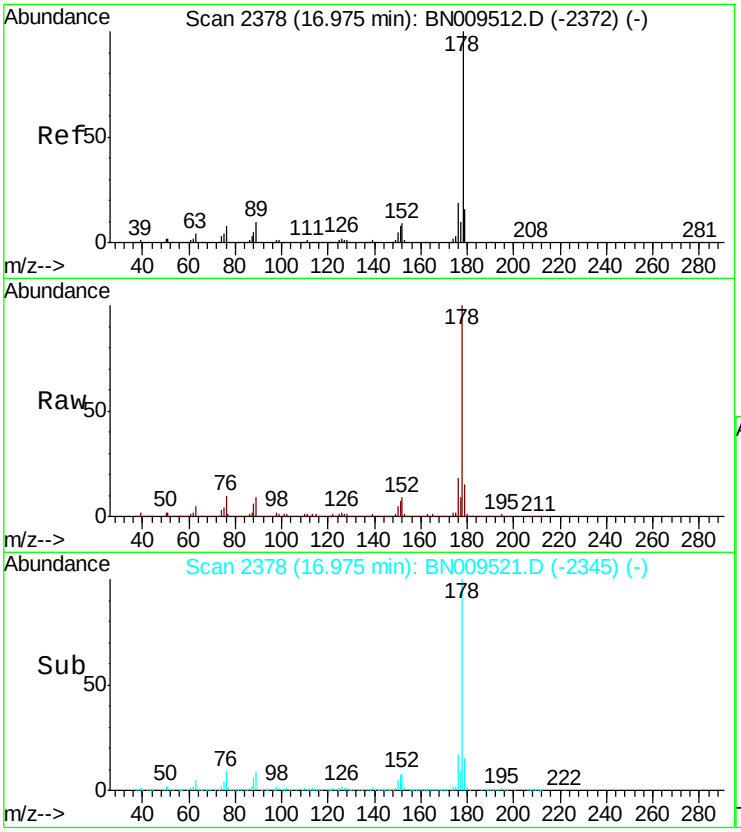



#69
Phenanthrene
Concen: 243.806 ng/ul
RT: 16.90 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:178 Resp:12439608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 13.3 | 19.9 |
| 176 | 19.2 | 15.5 | 23.3 |

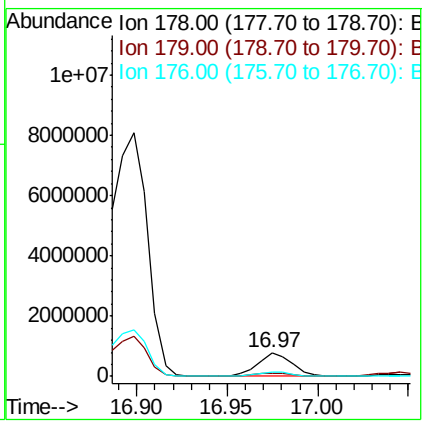





#71
Anthracene
Concen: 19.292 ng/ul
RT: 16.97 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:178 Resp: 1002196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 11.8 | 17.6 |
| 176 | 17.6 | 14.6 | 22.0 |

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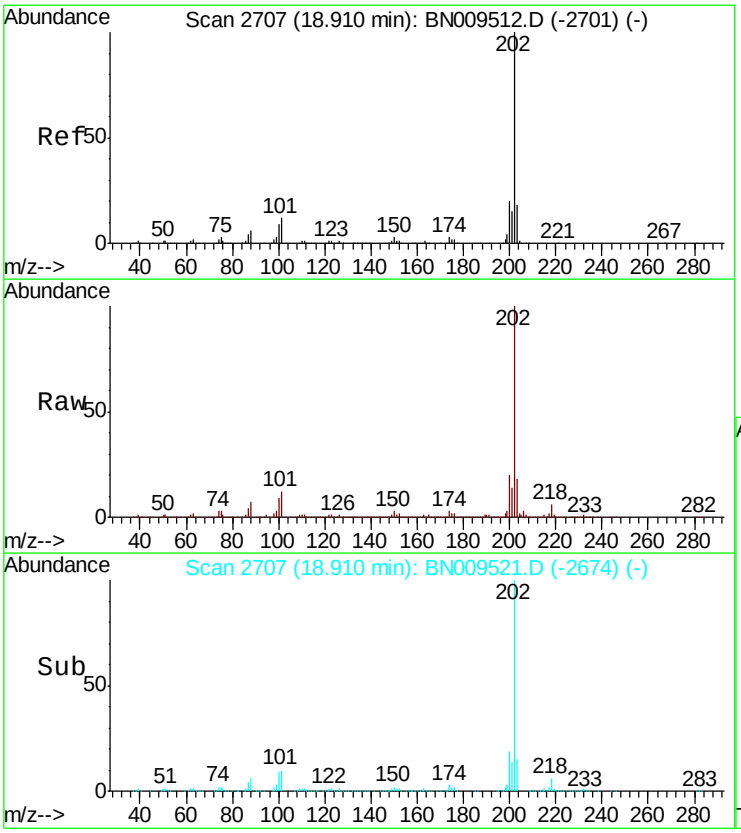
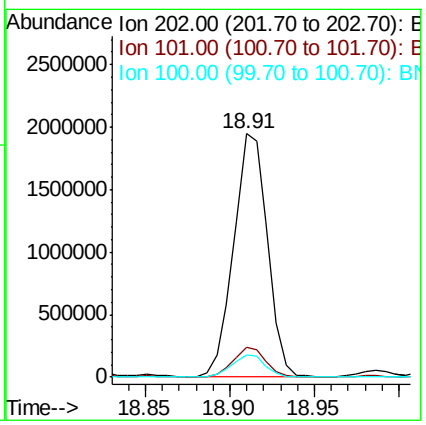
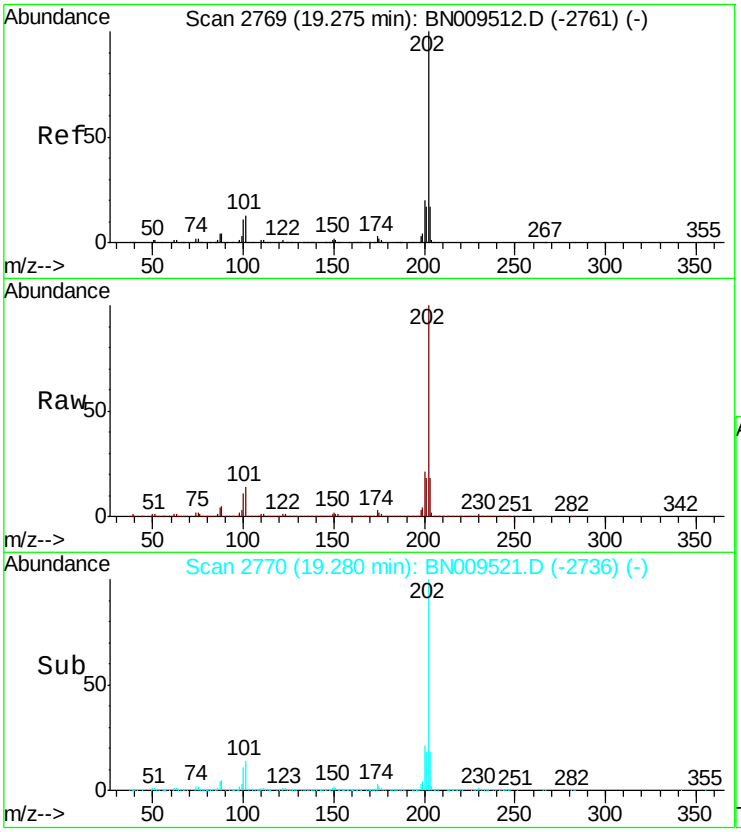



#76
Fluoranthene
Concen: 46.086 ng/ul
RT: 18.91 min Scan# 2707
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:202 Resp: 2695530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 9.7 | 14.5 |
| 100 | 9.3 | 7.1 | 10.7 |

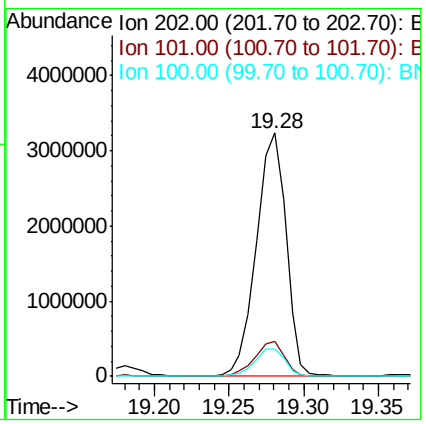





#79
Pyrene
Concen: 77.363 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. -0.00 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:202 Resp: 4445223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.2 | 10.9 | 16.3 |
| 100 | 11.3 | 8.6 | 12.8 |




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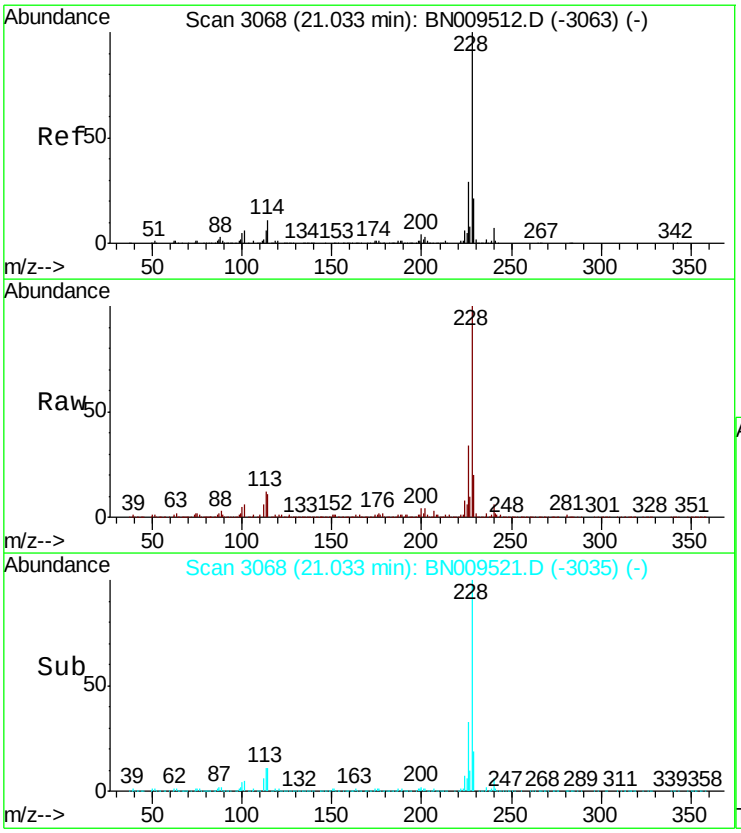
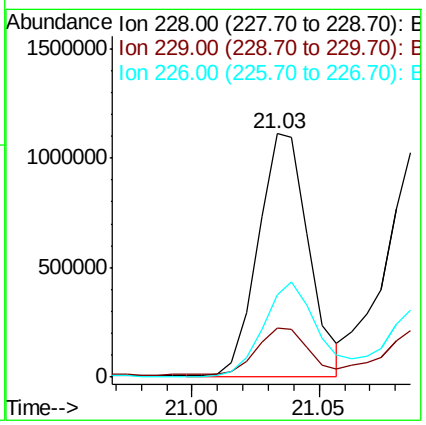
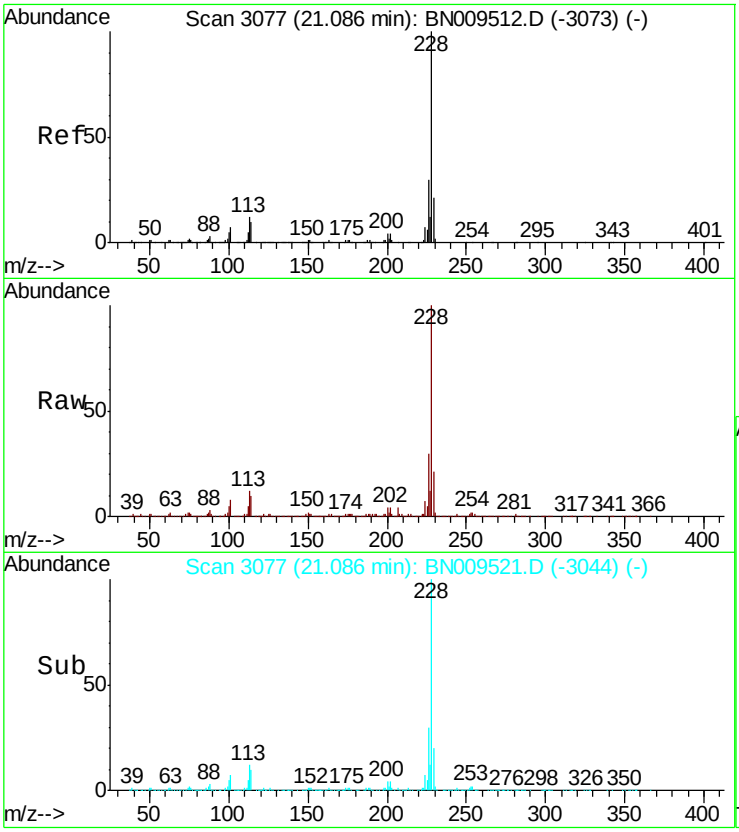



#82
Benzo(a)anthracene
Concen: 28.258 ng/ul m
RT: 21.03 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:228 Resp: 1527086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.2 | 15.9 | 23.9 |
| 226 | 33.9 | 20.9 | 31.3# |

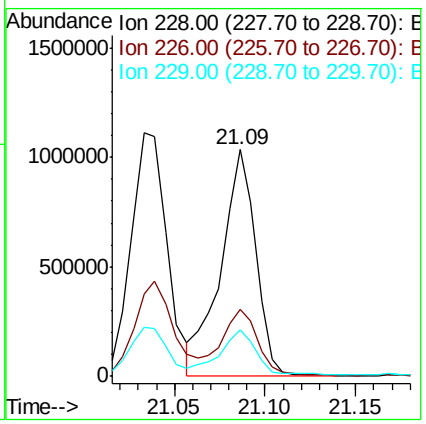





#84
Chrysene
Concen: 26.222 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:228 Resp: 1380409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 22.9 | 34.3 |
| 229 | 20.5 | 15.4 | 23.0 |




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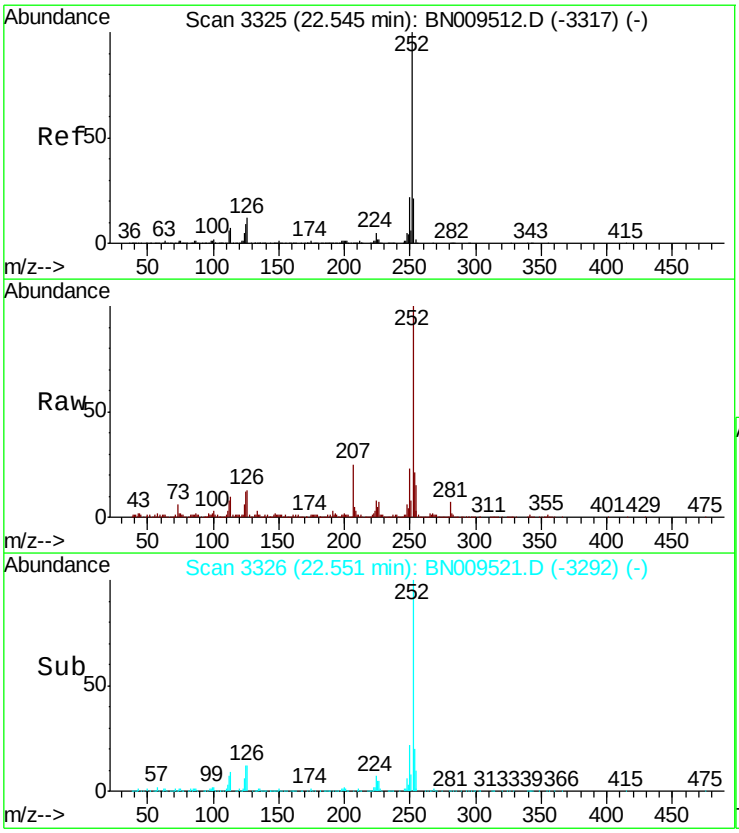
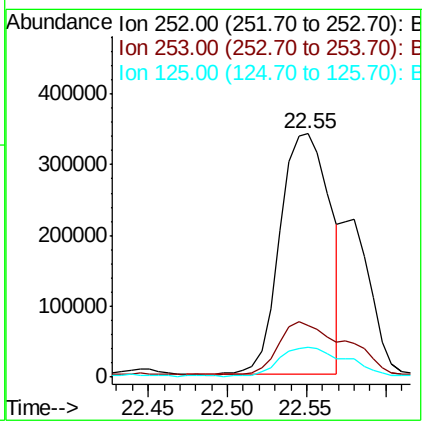
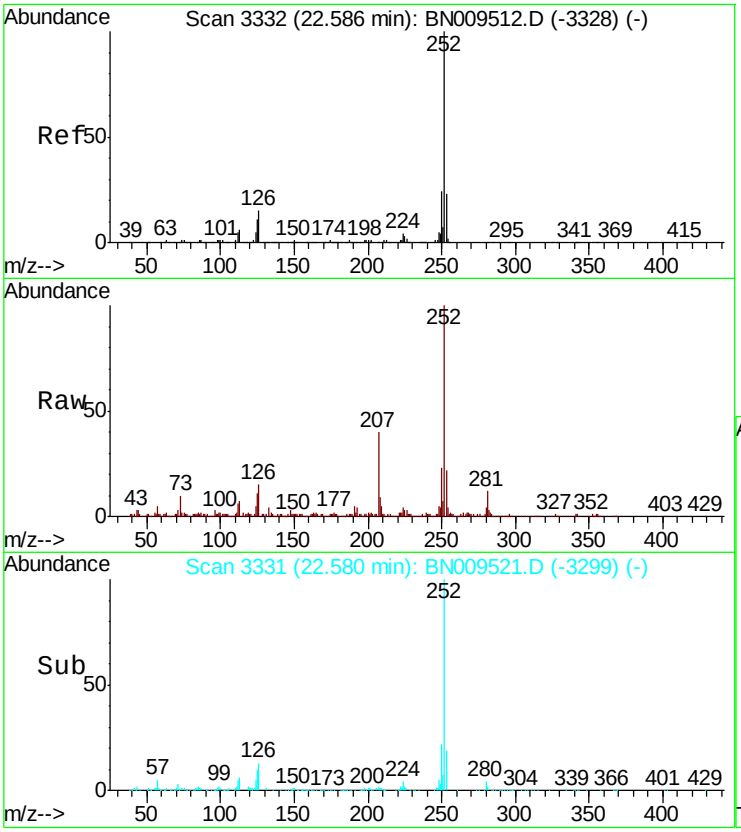



#87
Benzo(b)fluoranthene
Concen: 13.362 ng/ul
RT: 22.55 min Scan# 3326
Delta R.T. -0.00 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:252 Resp: 743464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.0 | 16.5 | 24.7 |
| 125 | 12.3 | 8.2 | 12.2# |

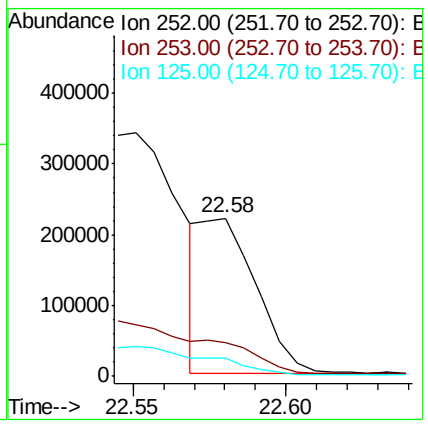





#88
Benzo(k)fluoranthene
Concen: 5.011 ng/ul m
RT: 22.58 min Scan# 3331
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:252 Resp: 274166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 17.0 | 25.4 |
| 125 | 11.3 | 7.8 | 11.8 |




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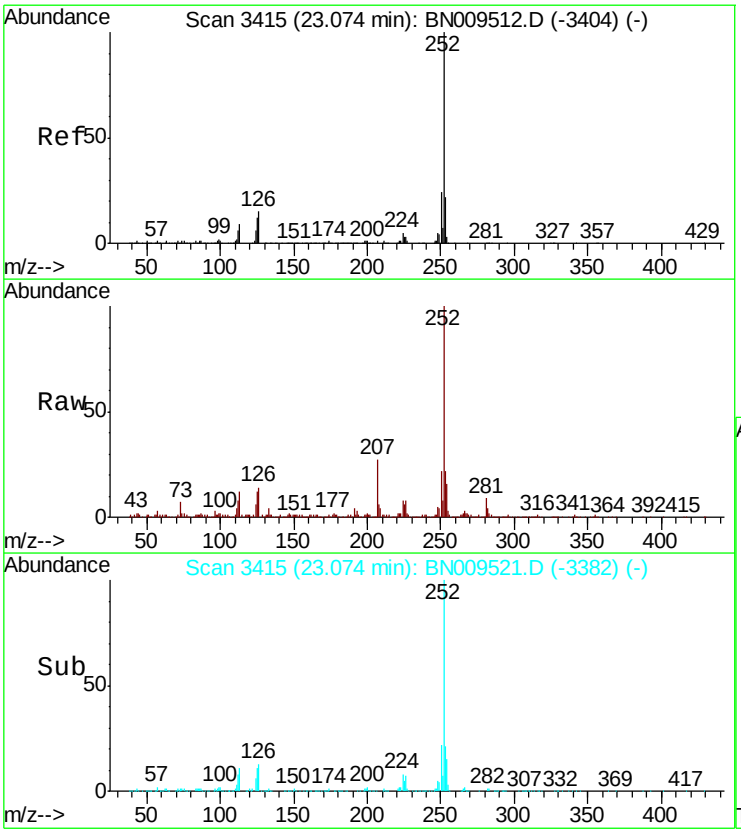
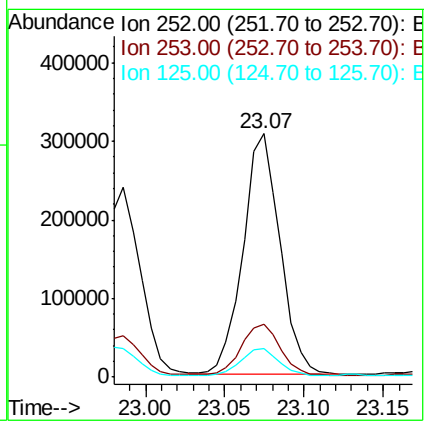
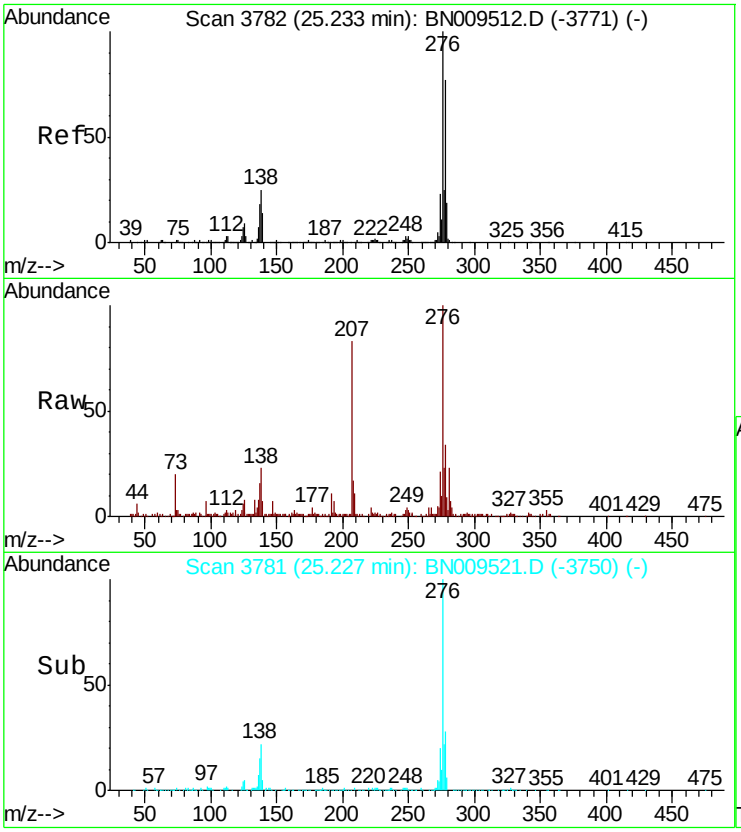



#90
Benzo(a)pyrene
Concen: 9.848 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:252 Resp: 491818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 18.0 | 27.0 |
| 125 | 11.6 | 9.8 | 14.6 |

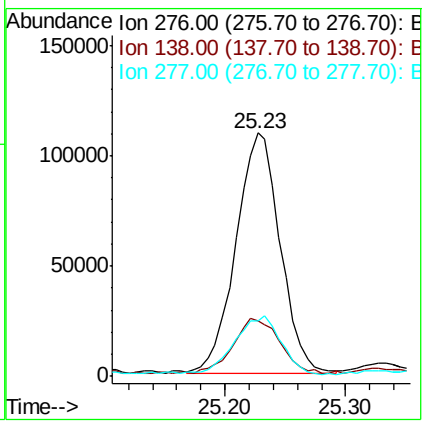





#91
Indeno(1,2,3-cd)pyrene
Concen: 4.586 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:276 Resp: 277558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 21.4 | 32.0 |
| 277 | 23.0 | 20.4 | 30.6 |




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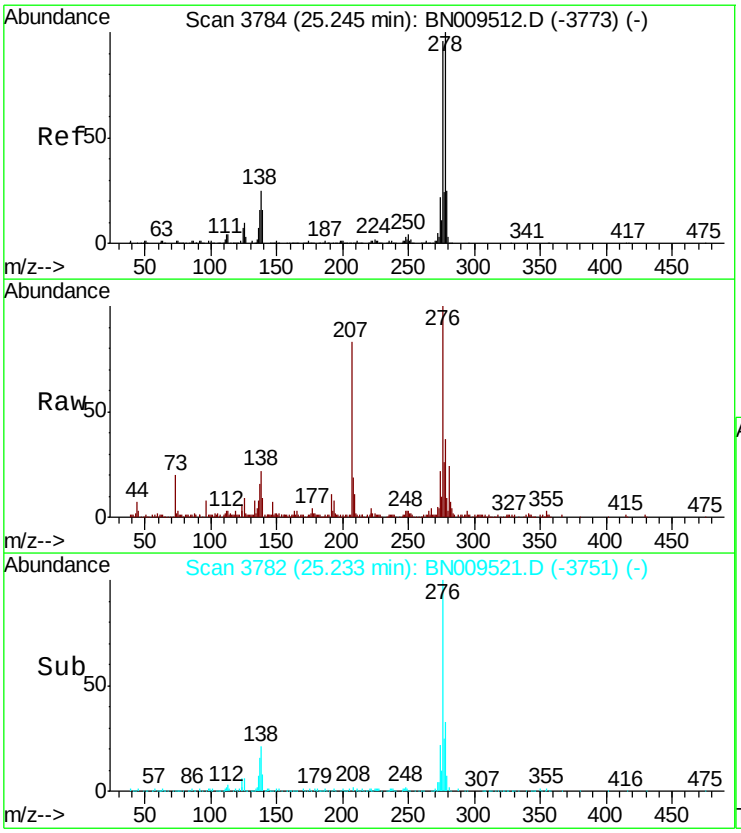
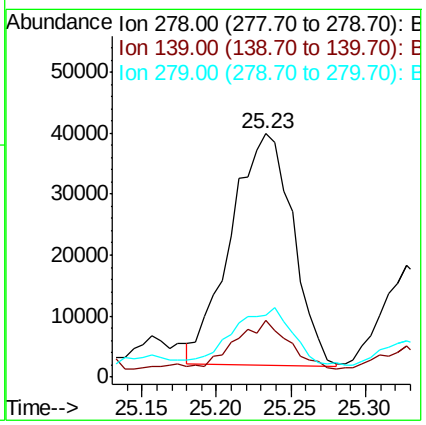
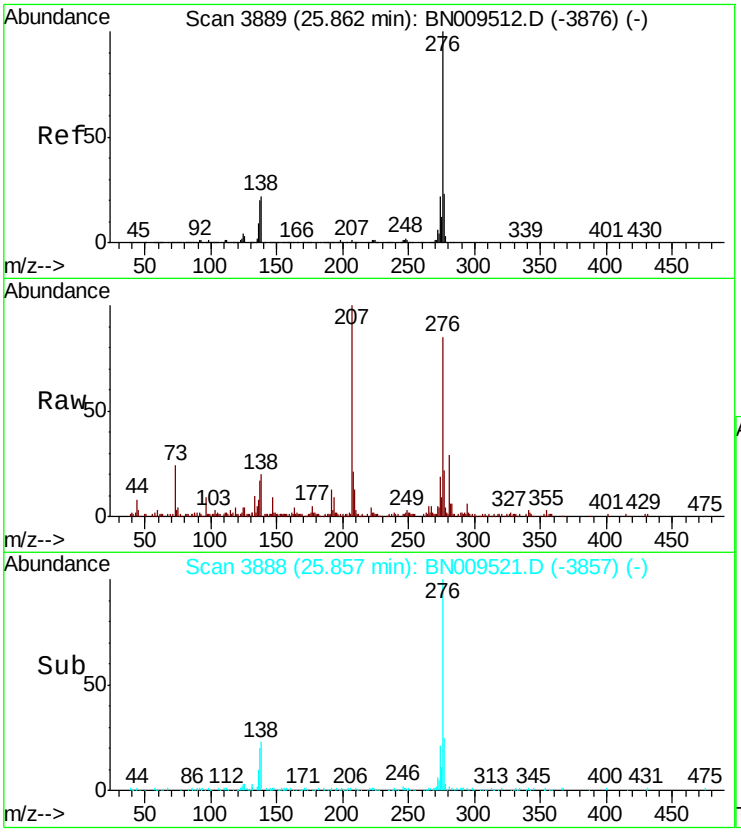



#92
Dibenzo(a,h)anthracene
Concen: 2.151 ng/ul
RT: 25.23 min Scan# 3782
Delta R.T. -0.02 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:278 Resp: 109820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.5 | 13.9 | 20.9# |
| 279 | 25.3 | 19.3 | 28.9 |

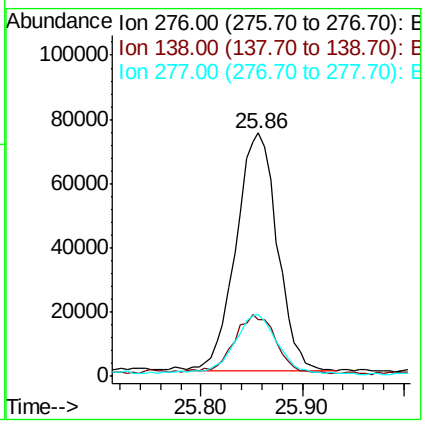





#93
Benzo(g,h,i)perylene
Concen: 4.160 ng/ul
RT: 25.86 min Scan# 3888
Delta R.T. -0.02 min
Lab File: BN009521.D
Acq: 31 Jan 2020 21:12

Tgt Ion:276 Resp: 209440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.5 | 16.6 | 24.8 |
| 277 | 25.7 | 18.7 | 28.1 |




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