Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
Data File : BP000214.D
Acq On : 12 Sep 2019 13:38
Operator : HP/JU
Sample : K4633-12 30X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
F2D11

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mohammad
9/16/2019 9:09:05 AM

Quant Time: Sep 13 13:15:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 332680 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 8.18 | 136 | 1274049 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 9.95 | 164 | 670262 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 11.45 | 188 | 1128469 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 14.16 | 240 | 873418 | 20.00 | ng/ul | 0.02 |
| 86) Perylene-d12 | 15.73 | 264 | 889609 | 20.00 | ng/ul | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.63 | 96 | 1090m | 0.12 | ng/uL | 0.02 |
| 5) Phenol-d5 | 6.50 | 99 | 18705 | 0.66 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.57 | 67 | 11761 | 0.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.66 | 132 | 17045 | 0.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 7.26 | 113 | 11285 | 0.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 7.45 | 128 | 6825 | 0.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 7.77 | 143 | 6937 | 0.74 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 8.02 | 165 | 12905 | 0.65 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 8.23 | 131 | 7048 | 0.29 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 9.63 | 166 | 42285 | 0.85 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 9.79 | 160 | 51405 | 0.84 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 10.04 | 143 | 1835 | 0.21 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 10.47 | 176 | 34610 | 0.82 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 10.54 | 200 | 837 | 0.16 | ng/ul | 0.01 |
| 71) Anthracene-d10 | 11.51 | 188 | 55337 | 1.01 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 12.90 | 212 | 49012 | 0.94 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 15.62 | 264 | 53072m | 1.15 | ng/ul | 0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 70) Phenanthrene | 11.47 | 178 | 340134 | 5.097 | ng/ul | 99 |
| 72) Anthracene | 11.53 | 178 | 68953 | 1.050 | ng/ul | 99 |
| 77) Fluoranthene | 12.69 | 202 | 670048 | 9.955 | ng/ul | 100 |
| 80) Pyrene | 12.92 | 202 | 946838 | 14.369 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 14.15 | 228 | 809549 | 12.804 | ng/ul# | 91 |
| 85) Chrysene | 14.19 | 228 | 1108866 | 19.113 | ng/ul# | 95 |
| 88) Benzo(b)fluoranthene | 15.26 | 252 | 607206m | 10.298 | ng/ul | |
| 89) Benzo(k)fluoranthene | 15.29 | 252 | 144697m | 2.603 | ng/ul | |
| 91) Benzo(a)pyrene | 15.66 | 252 | 761677 | 13.769 | ng/ul# | 93 |
| 92) Indeno(1,2,3-cd)pyrene | 17.32 | 276 | 208751 | 3.280 | ng/ul# | 90 |
| 93) Dibenzo(a,h)anthracene | 17.32 | 278 | 96960 | 1.839 | ng/ul# | 50 |
| 94) Benzo(g,h,i)perylene | 17.80 | 276 | 308696 | 5.818 | ng/ul | 91 |

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

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Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091219\
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Sample : K4633-12 30X
Misc :
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Quant Time: Sep 13 13:15:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 02:43:18 2019
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
F2D11

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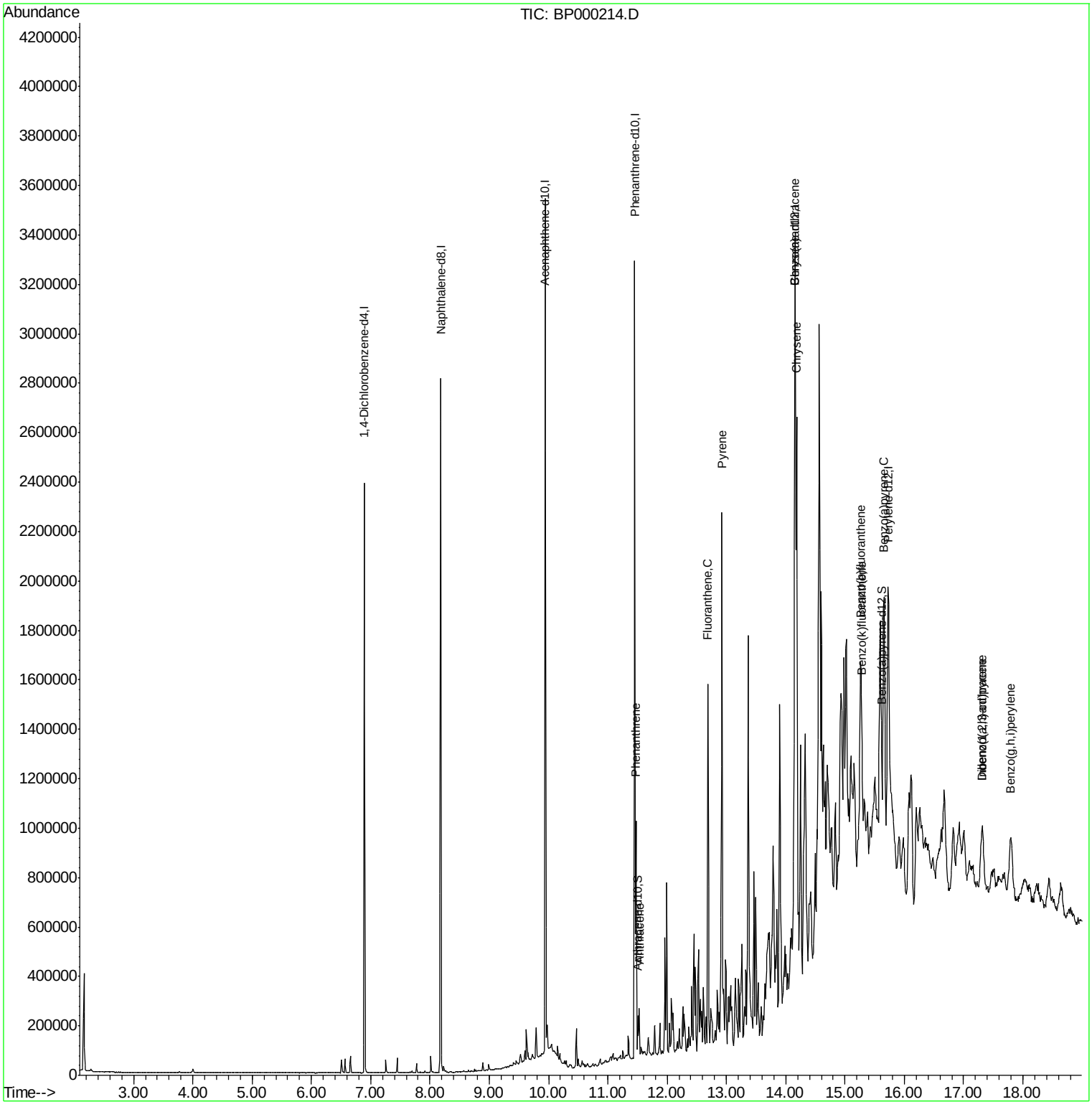
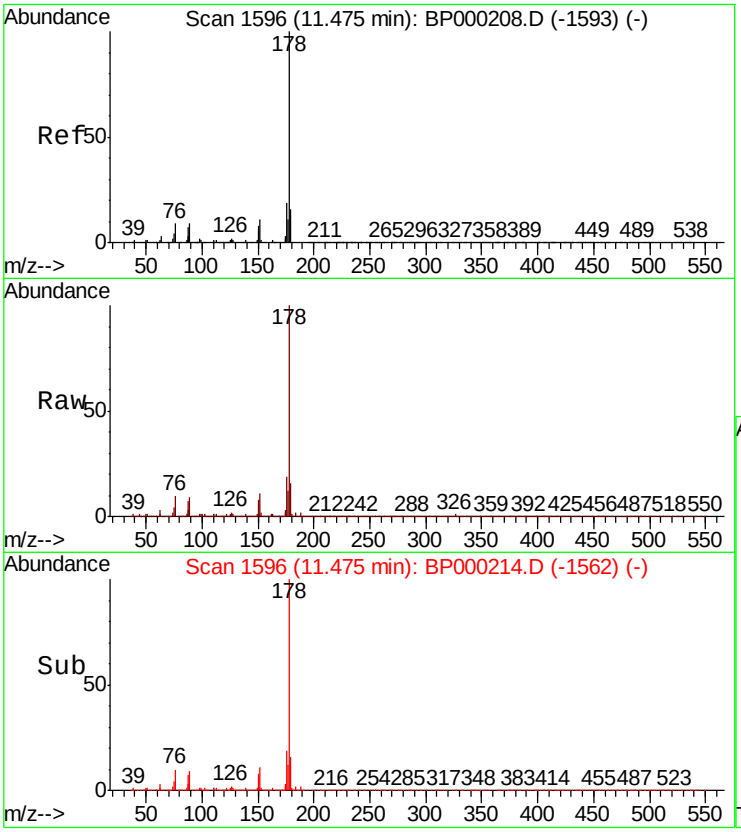
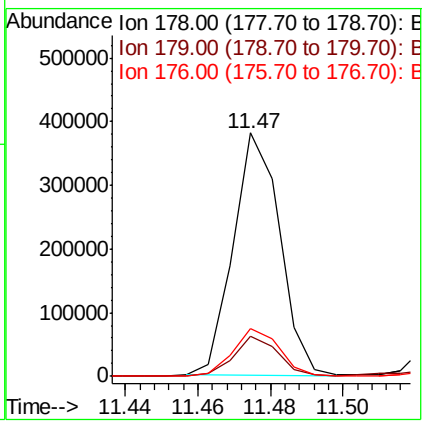





#70
Phenanthrene
Concen: 5.097 ng/ul
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:178 Resp: 340134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.4 | 12.5 | 18.7 |
| 176 | 19.5 | 15.7 | 23.5 |




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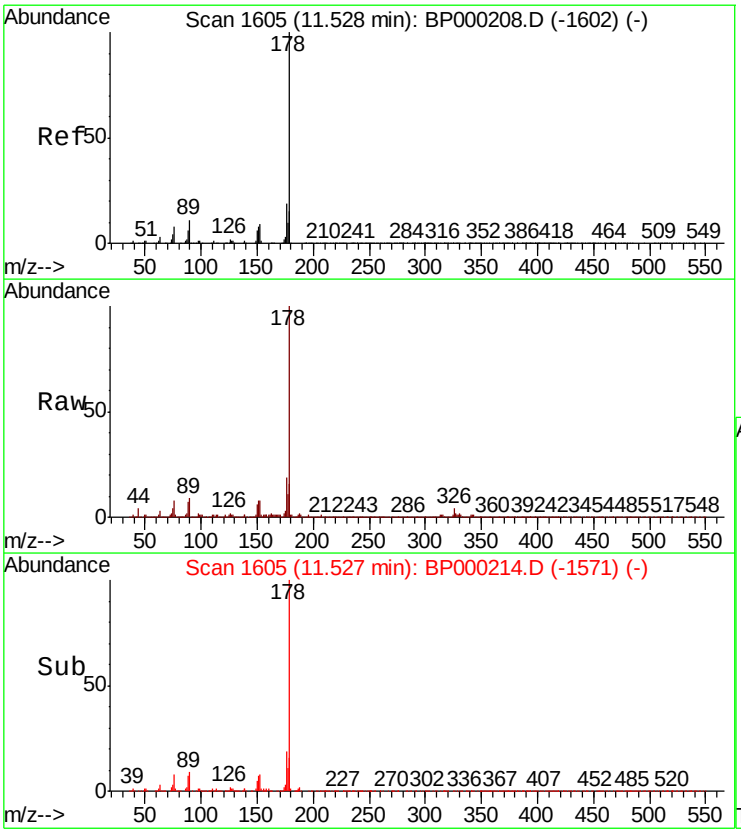
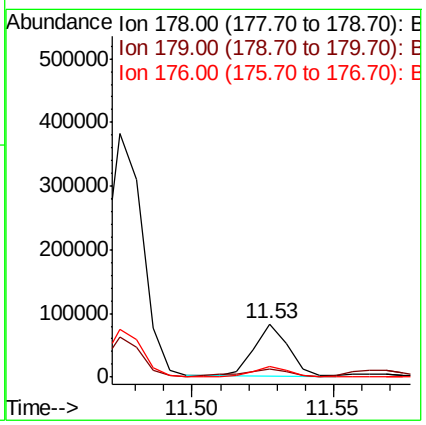
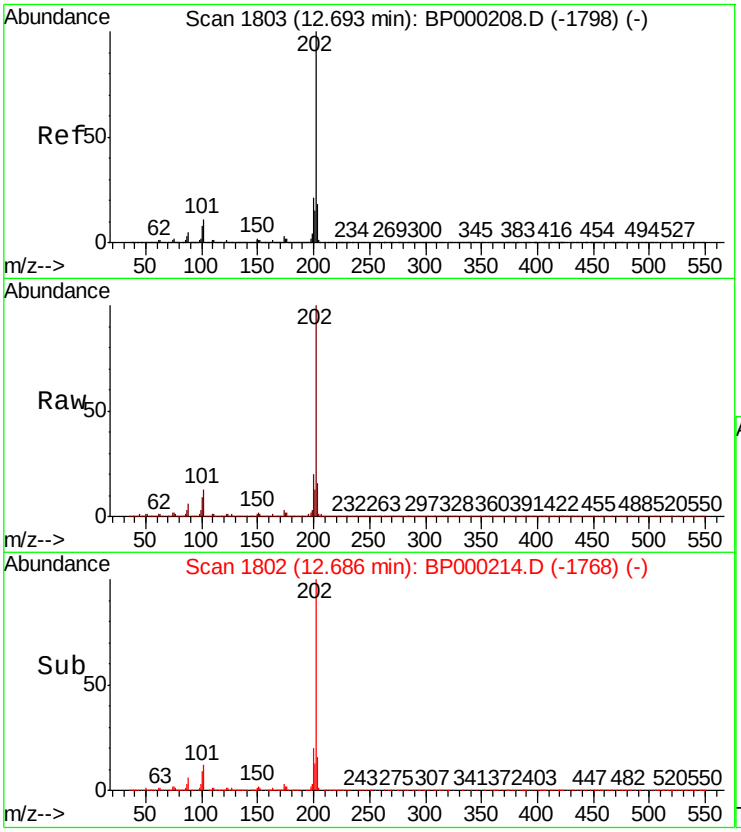



#72
Anthracene
Concen: 1.050 ng/ul
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:178 Resp: 68953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 12.3 | 18.5 |
| 176 | 19.1 | 15.1 | 22.7 |

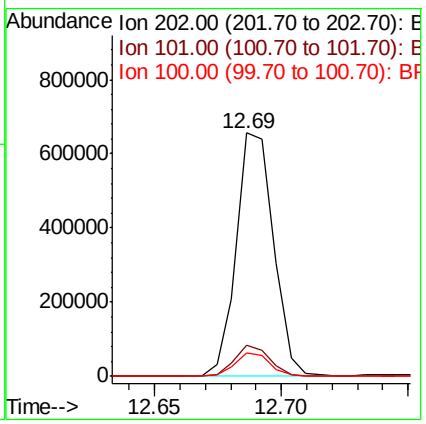





#77
Fluoranthene
Concen: 9.955 ng/ul
RT: 12.69 min Scan# 1802
Delta R.T. -0.00 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:202 Resp: 670048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 10.0 | 15.0 |
| 100 | 9.4 | 7.4 | 11.2 |




**Instrument :**
BNA_P
**ClientSampleId :**
F2D11

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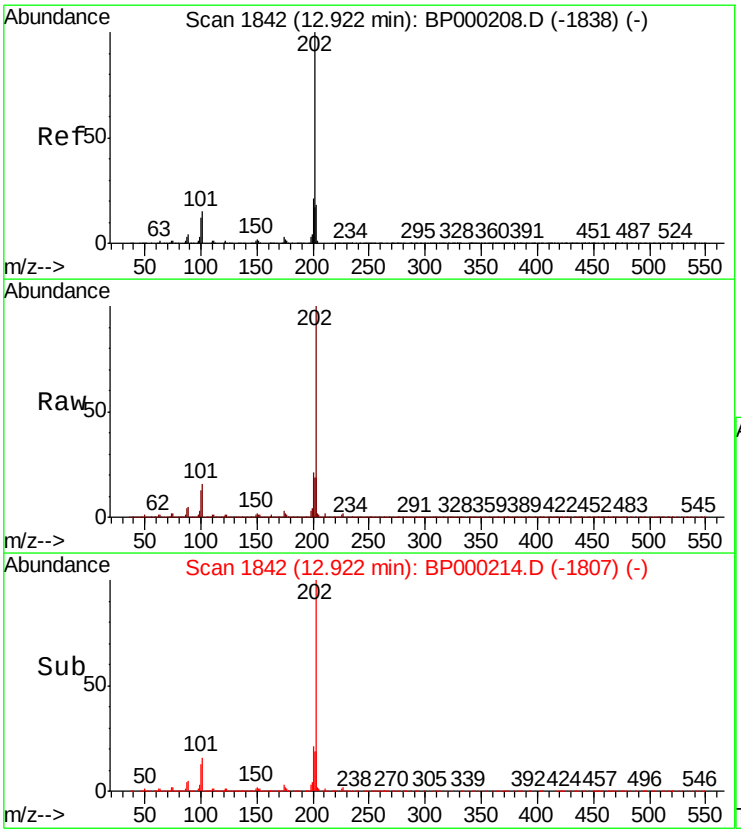
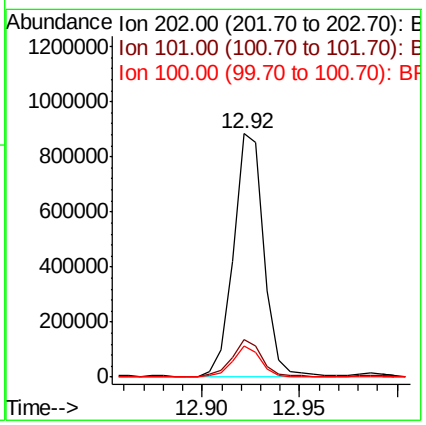
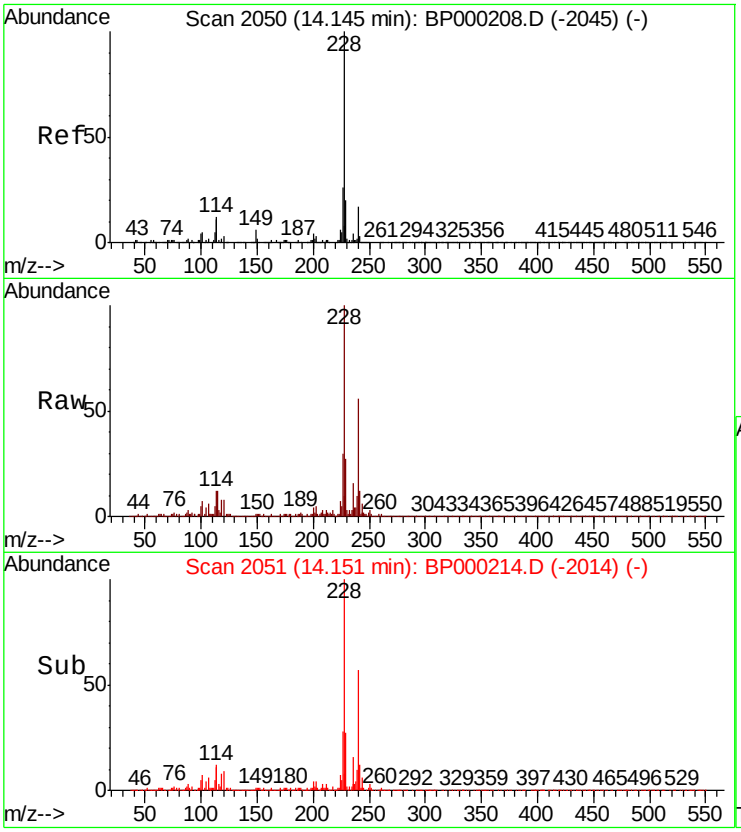



#80
Pyrene
Concen: 14.369 ng/ul
RT: 12.92 min Scan# 1842
Delta R.T. 0.01 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:202 Resp: 946838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.6 | 13.4 | 20.0 |
| 100 | 12.6 | 10.8 | 16.2 |






#83
Benzo(a)anthracene
Concen: 12.804 ng/ul
RT: 14.15 min Scan# 2051
Delta R.T. 0.02 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:228 Resp: 809549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 27.5 | 15.9 | 23.9# |
| 226 | 29.6 | 22.1 | 33.1 |

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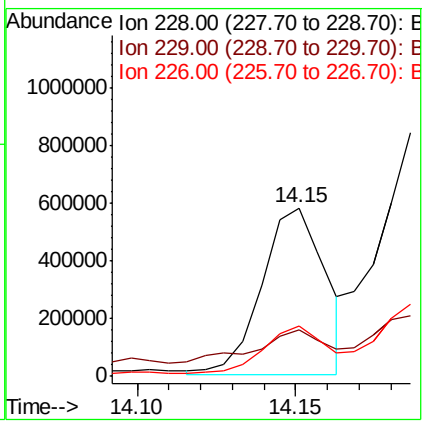
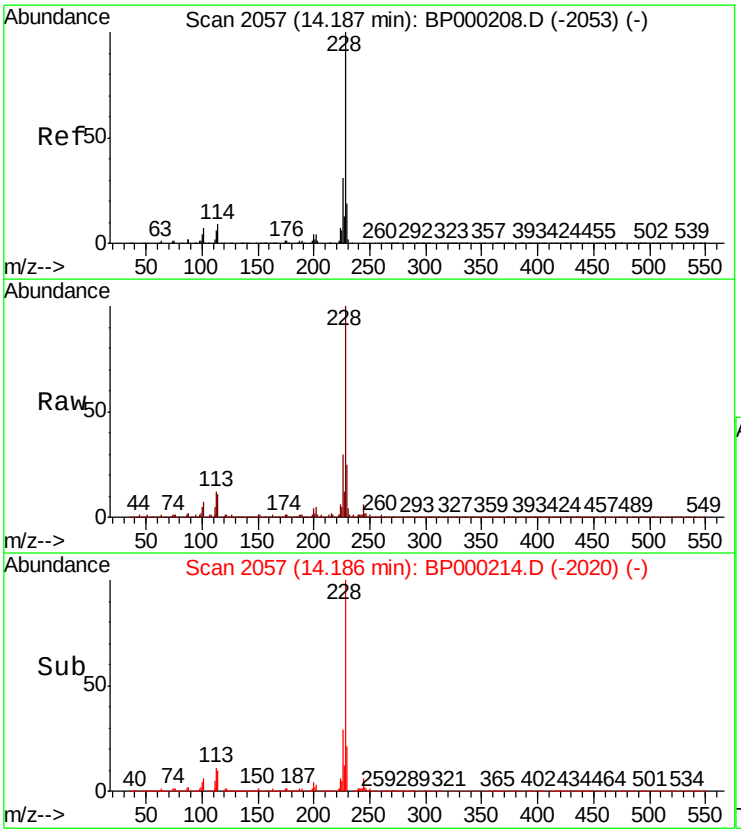
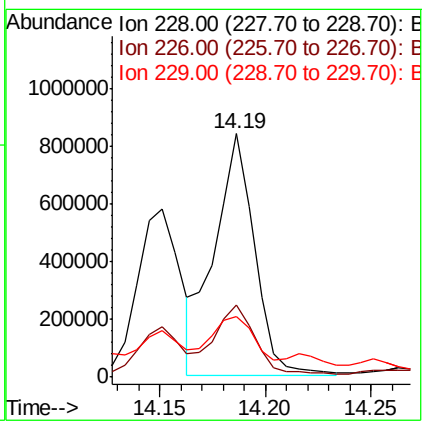


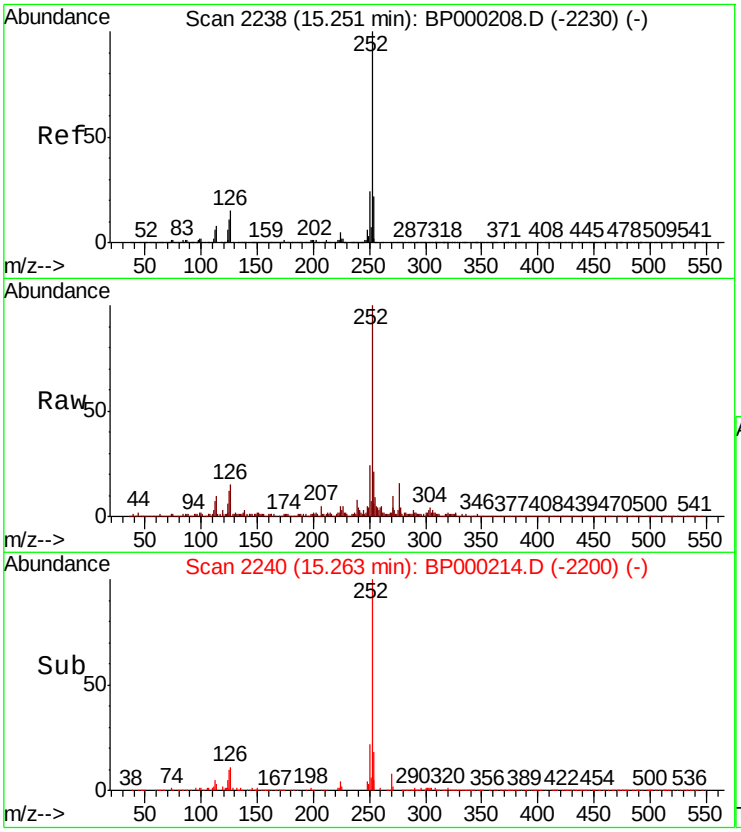




#85
Chrysene
Concen: 19.113 ng/ul
RT: 14.19 min Scan# 2057
Delta R.T. 0.02 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:228 Resp: 1108866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.4 | 36.6 |
| 229 | 24.7 | 16.0 | 24.0# |

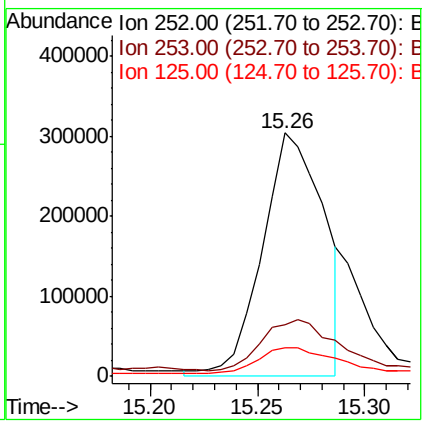





#88
Benzo(b)fluoranthene
Concen: 10.298 ng/ul m
RT: 15.26 min Scan# 2240
Delta R.T. 0.04 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:252 Resp: 607206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.4 | 17.5 | 26.3 |
| 125 | 11.7 | 9.9 | 14.9 |

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**ClientSampleId :**
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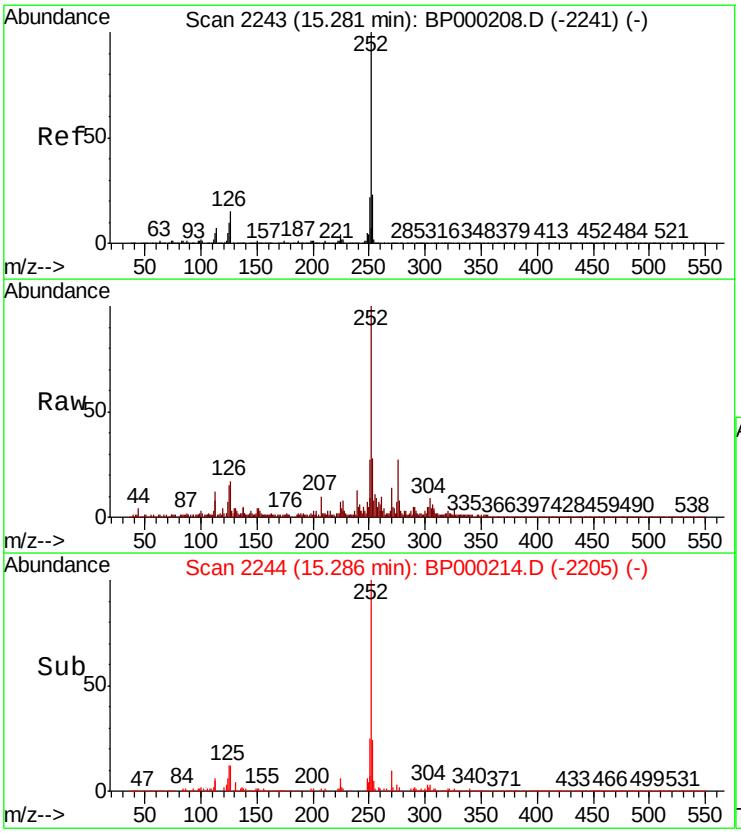
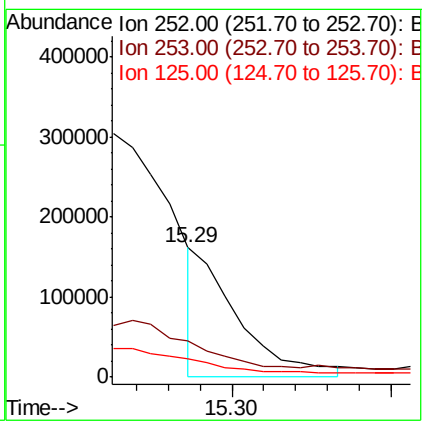
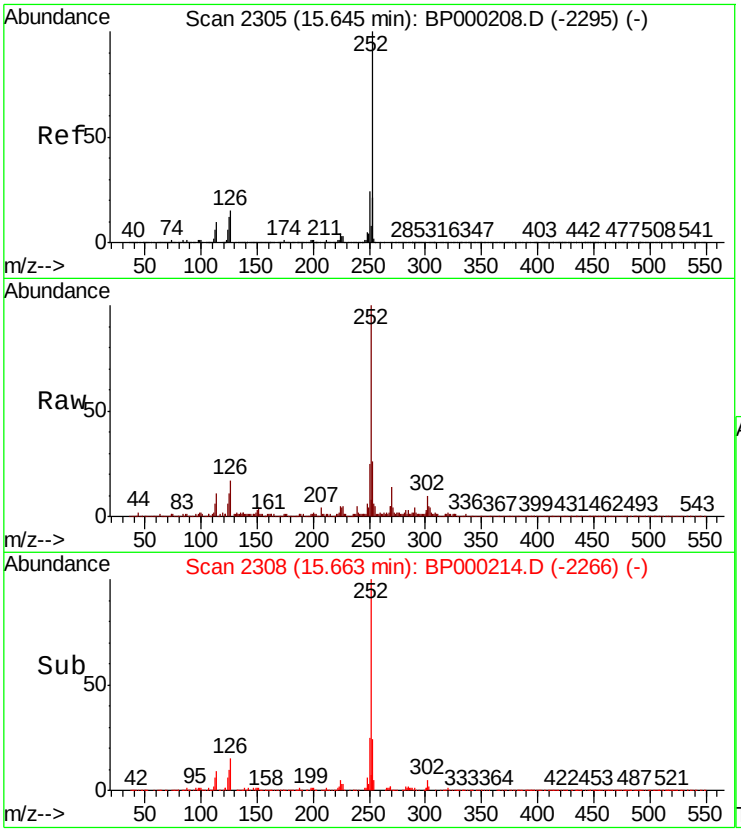



#89
Benzo(k)fluoranthene
Concen: 2.603 ng/ul m
RT: 15.29 min Scan# 2244
Delta R.T. 0.03 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:252 Resp: 144697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.7 | 18.0 | 27.0# |
| 125 | 14.6 | 10.2 | 15.2 |

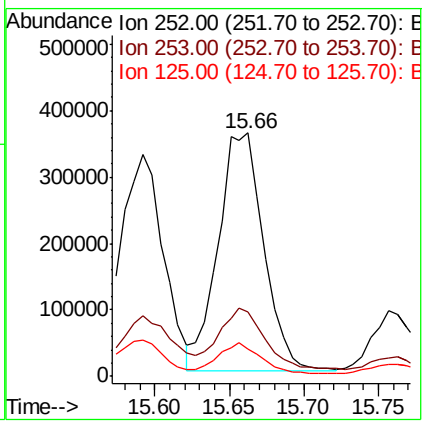





#91
Benzo(a)pyrene
Concen: 13.769 ng/ul
RT: 15.66 min Scan# 2308
Delta R.T. 0.05 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:252 Resp: 761677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.4 | 17.5 | 26.3# |
| 125 | 11.5 | 10.2 | 15.2 |

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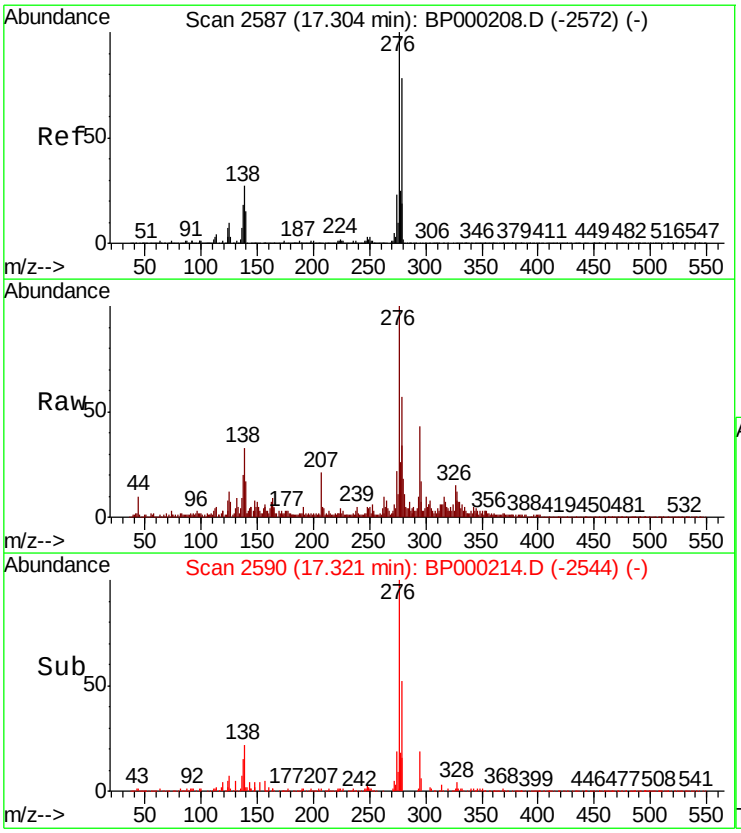
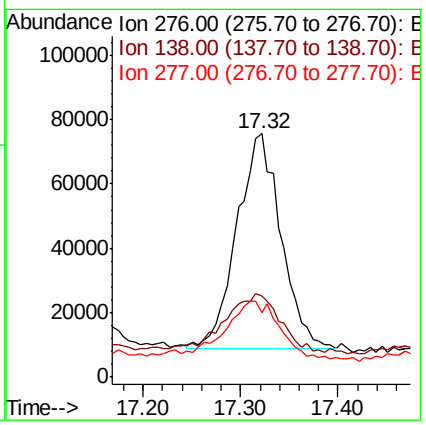
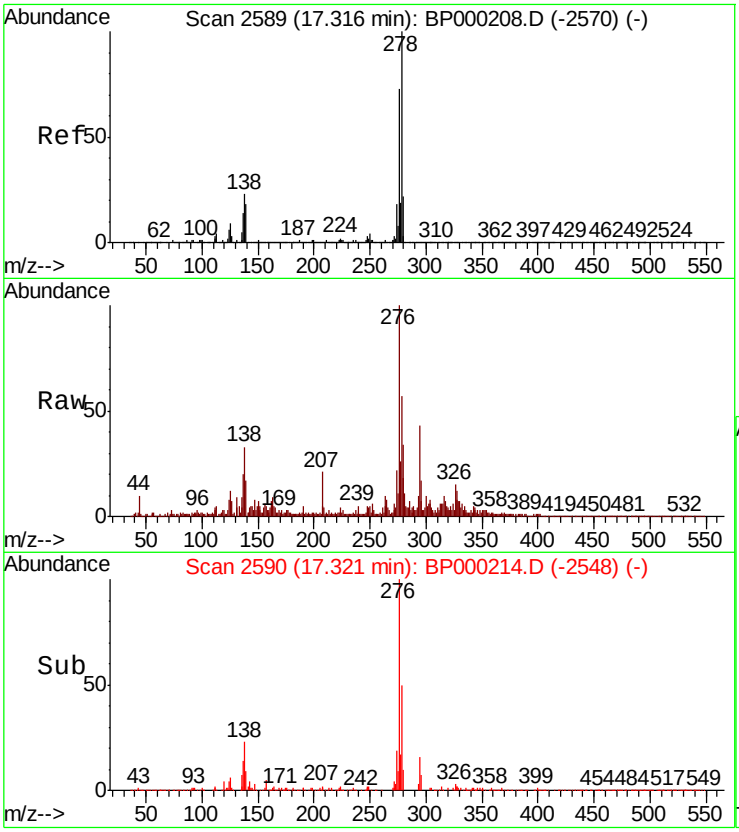



#92
Indeno(1,2,3-cd)pyrene
Concen: 3.280 ng/ul
RT: 17.32 min Scan# 2590
Delta R.T. 0.07 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:276 Resp: 208751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.2 | 20.0 | 30.0# |
| 277 | 26.3 | 19.4 | 29.0 |






#93
Dibenzo(a,h)anthracene
Concen: 1.839 ng/ul
RT: 17.32 min Scan# 2590
Delta R.T. 0.05 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:278 Resp: 96960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 29.1 | 15.1 | 22.7# |
| 279 | 59.1 | 19.2 | 28.8# |

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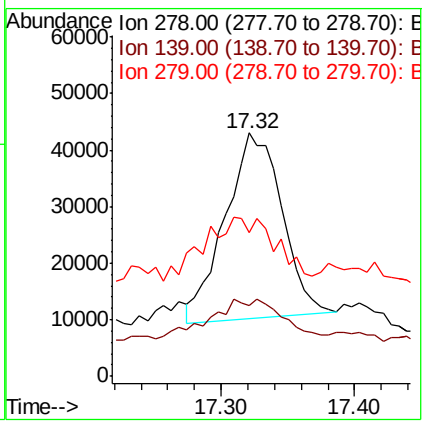


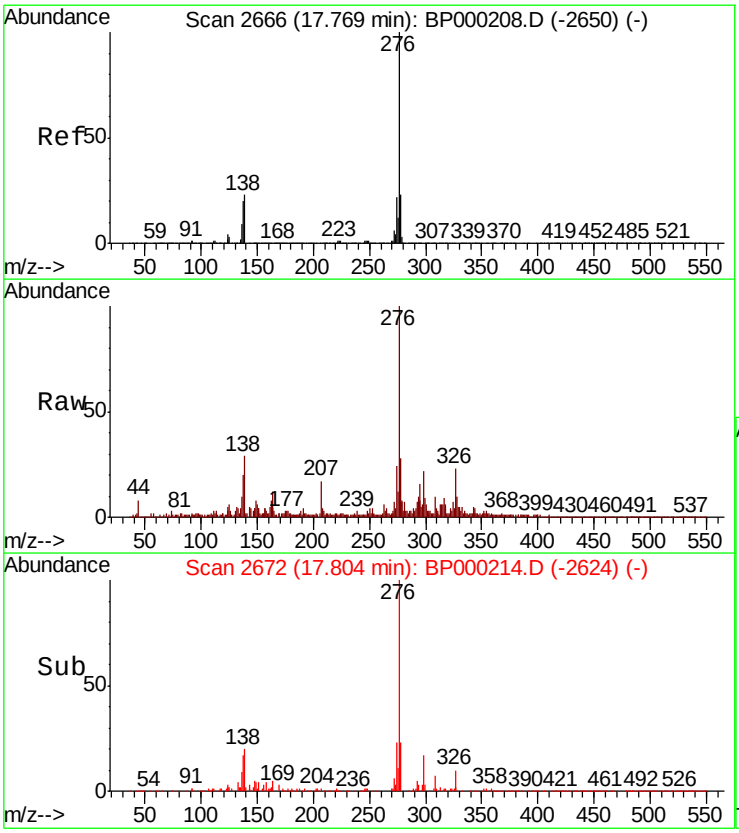


#94
Benzo(g,h,i)perylene
Concen: 5.818 ng/ul
RT: 17.80 min Scan# 2672
Delta R.T. 0.08 min
Lab File: BP000214.D
Acq: 12 Sep 2019 13:38

Tgt Ion:276 Resp: 308696

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.4 | 20.0 | 30.0 |
| 277 | 28.2 | 19.1 | 28.7 |