Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101919\
Data File : BM023285.D
Acq On : 19 Oct 2019 13:19
Operator : JU
Sample : K5378-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 00:18:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 19 23:34:34 2019
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** C0012

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 551261 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.43 | 136 | 2117904 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.30 | 164 | 1257827 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.04 | 188 | 2564363 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.24 | 240 | 2685917 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.44 | 264 | 3298291 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.17 | 96 | 39774 | 3.18 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.82 | 99 | 594993 | 12.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.99 | 67 | 408769 | 15.05 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.19 | 132 | 548894 | 14.94 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 395094 | 10.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.80 | 128 | 268568 | 18.74 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.52 | 143 | 283072 | 20.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 557937 | 16.08 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.56 | 131 | 471250 | 11.16 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.72 | 166 | 1660551 | 17.23 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.99 | 160 | 2016298 | 17.83 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.49 | 143 | 128217 | 8.22 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.29 | 176 | 1472633 | 17.93 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 123153 | 12.11 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.14 | 188 | 2251390 | 18.21 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.44 | 212 | 2482292 | 19.08 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.30 | 264 | 3063785 | 18.32 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.85 | 94 | 69002 | 1.394 | ng/ul | 93 |
| 45) Dimethylphthalate | 13.76 | 163 | 647188 | 6.708 | ng/ul | 100 |
| 48) Acenaphthylene | 14.02 | 152 | 816391 | 7.063 | ng/ul | 99 |
| 54) Dibenzofuran | 14.70 | 168 | 115002 | 1.006 | ng/ul | 98 |
| 70) Phenanthrene | 17.09 | 178 | 9398977 | 65.310 | ng/ul | 100 |
| 72) Anthracene | 17.17 | 178 | 1927070 | 12.958 | ng/ul | 99 |
| 75) Carbazole | 17.44 | 167 | 1244098 | 9.364 | ng/ul | 100 |
| 77) Fluoranthene | 19.10 | 202 | 16573077m | 96.831 | ng/ul | |
| 80) Pyrene | 19.47 | 202 | 15483655 | 92.021 | ng/ul# | 90 |
| 83) Benzo(a)anthracene | 21.22 | 228 | 11329446 | 62.253 | ng/ul | 95 |
| 85) Chrysene | 21.27 | 228 | 9965433 | 58.972 | ng/ul | 95 |
| 88) Benzo(b)fluoranthene | 22.79 | 252 | 13692839 | 68.472 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 22.83 | 252 | 5115745m | 26.642 | ng/ul | |
| 91) Benzo(a)pyrene | 23.36 | 252 | 9721298 | 50.669 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 7525124 | 32.970 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 25.67 | 278 | 1884213 | 9.873 | ng/ul# | 88 |
| 94) Benzo(g,h,i)perylene | 26.34 | 276 | 6748650 | 35.912 | ng/ul | 98 |

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

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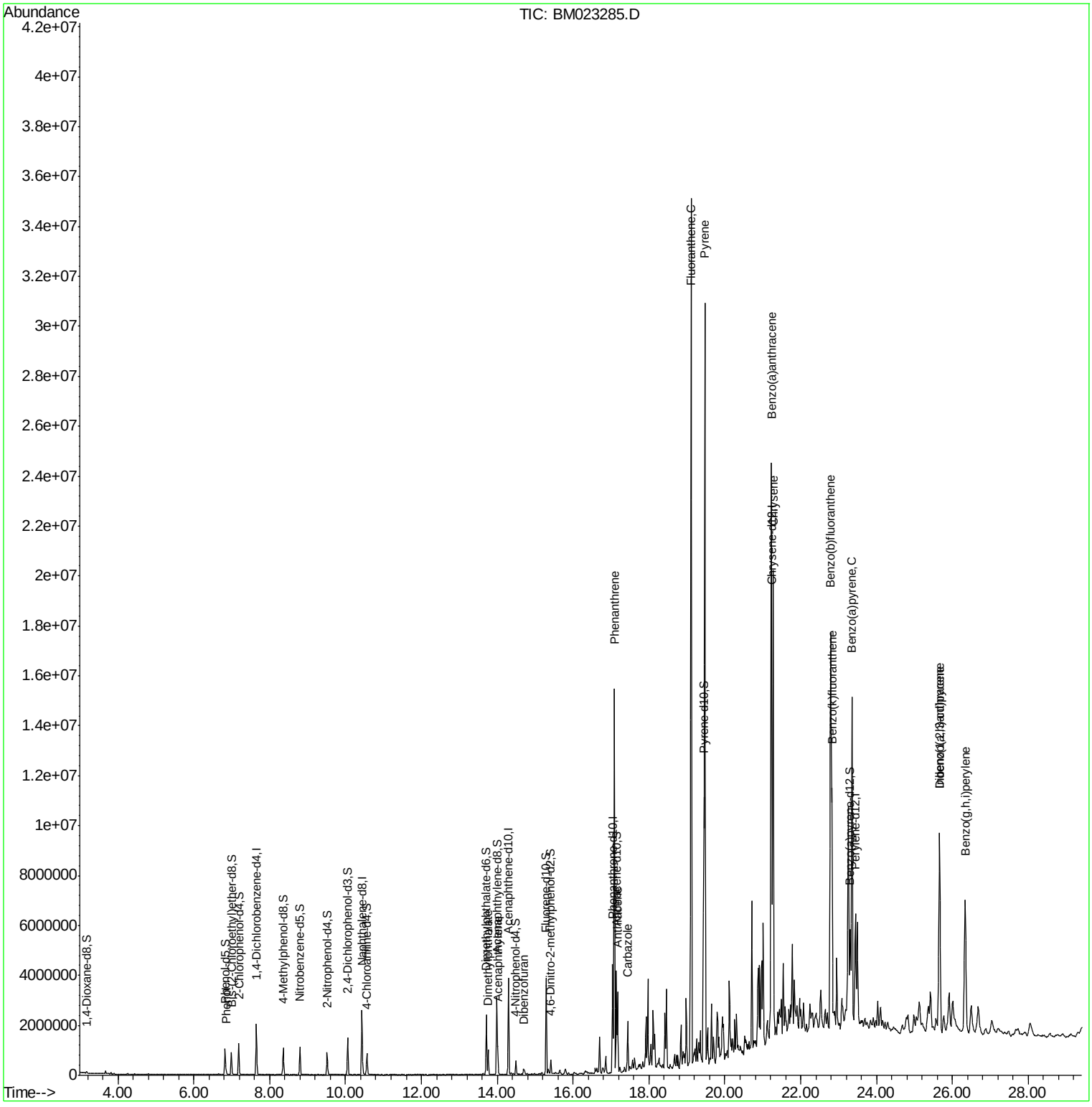
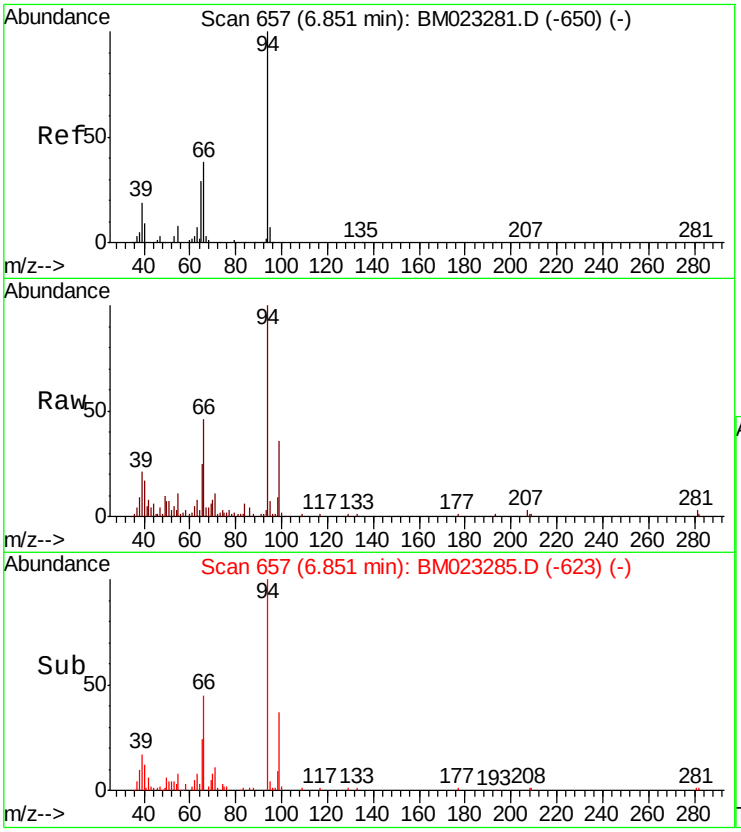
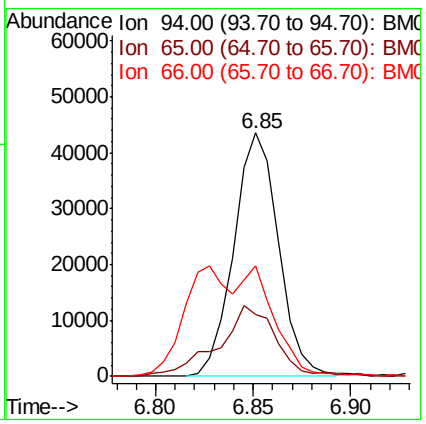





#6
Phenol
Concen: 1.394 ng/ul
RT: 6.85 min Scan# 657
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion: 94 Resp: 69002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.4 | 23.7 | 35.5 |
| 66 | 45.5 | 32.9 | 49.3 |

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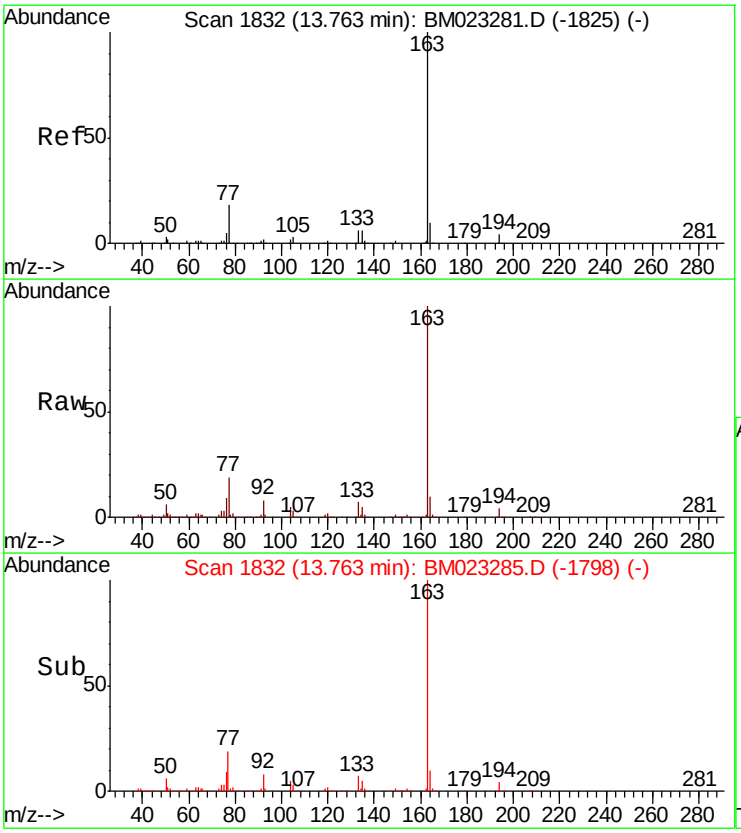
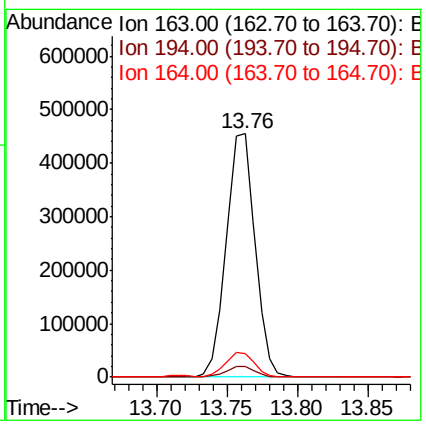
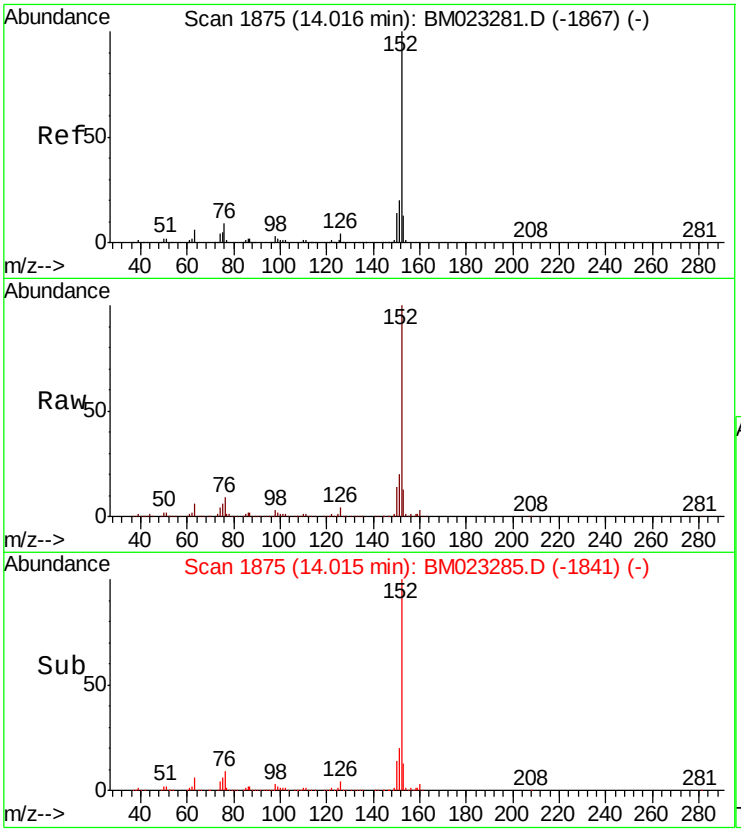



#45
Dimethylphthalate
Concen: 6.708 ng/ul
RT: 13.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:163 Resp: 647188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.5 | 5.3 |
| 164 | 9.8 | 8.0 | 12.0 |

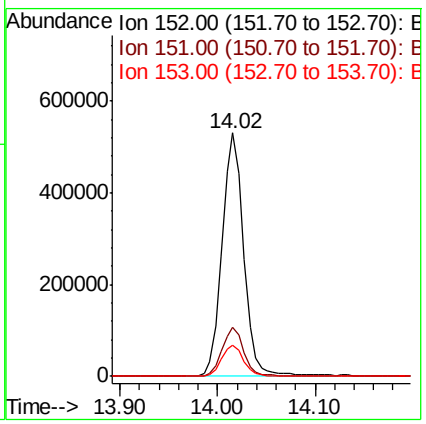





#48
Acenaphthylene
Concen: 7.063 ng/ul
RT: 14.02 min Scan# 1875
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:152 Resp: 816391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 15.8 | 23.6 |
| 153 | 13.0 | 10.3 | 15.5 |

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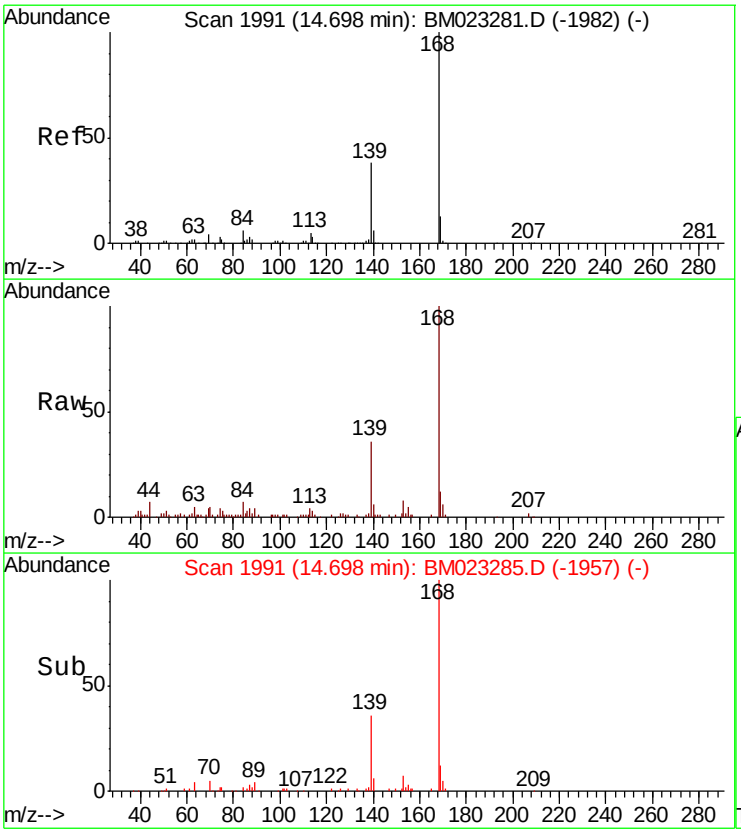
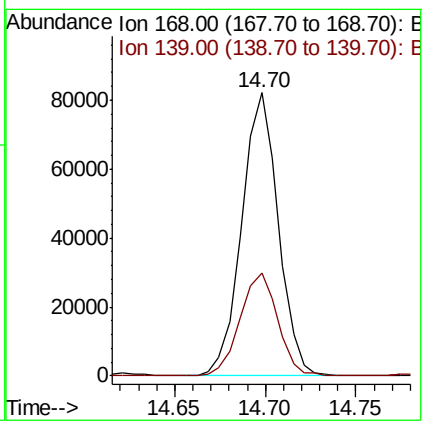
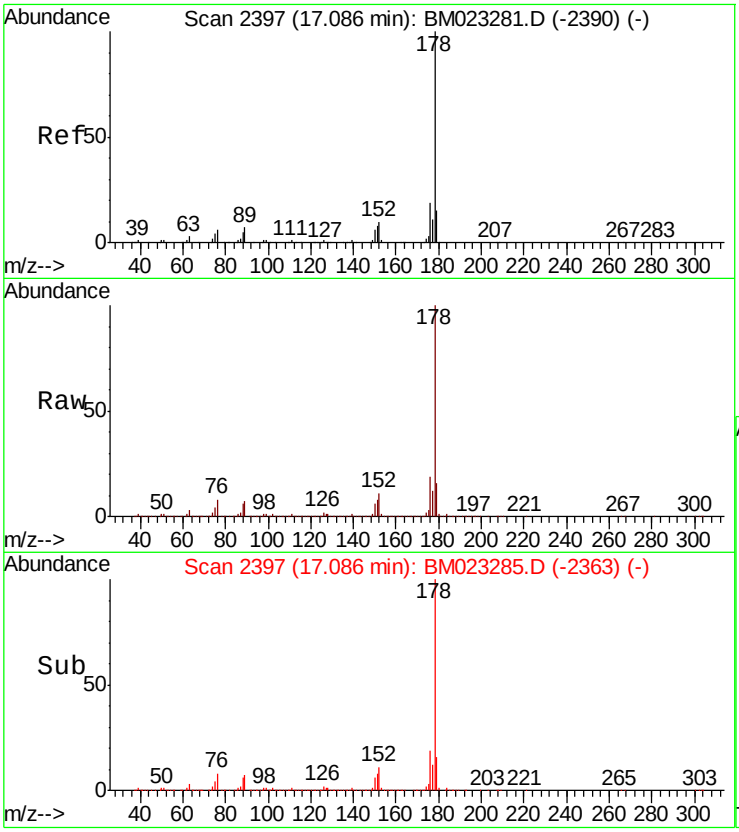



#54
Dibenzofuran
Concen: 1.006 ng/ul
RT: 14.70 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:168 Resp: 115002

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.2 | 30.1 | 45.1 |

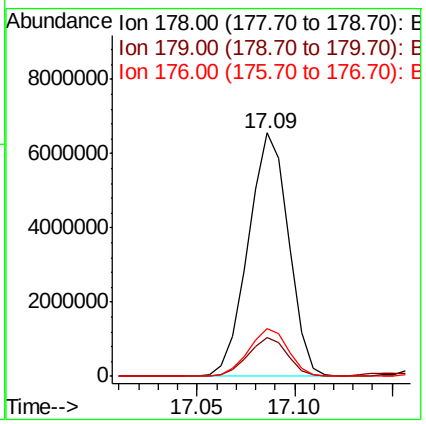





#70
Phenanthrene
Concen: 65.310 ng/ul
RT: 17.09 min Scan# 2397
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:178 Resp: 9398977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.3 | 18.5 |
| 176 | 19.5 | 15.5 | 23.3 |

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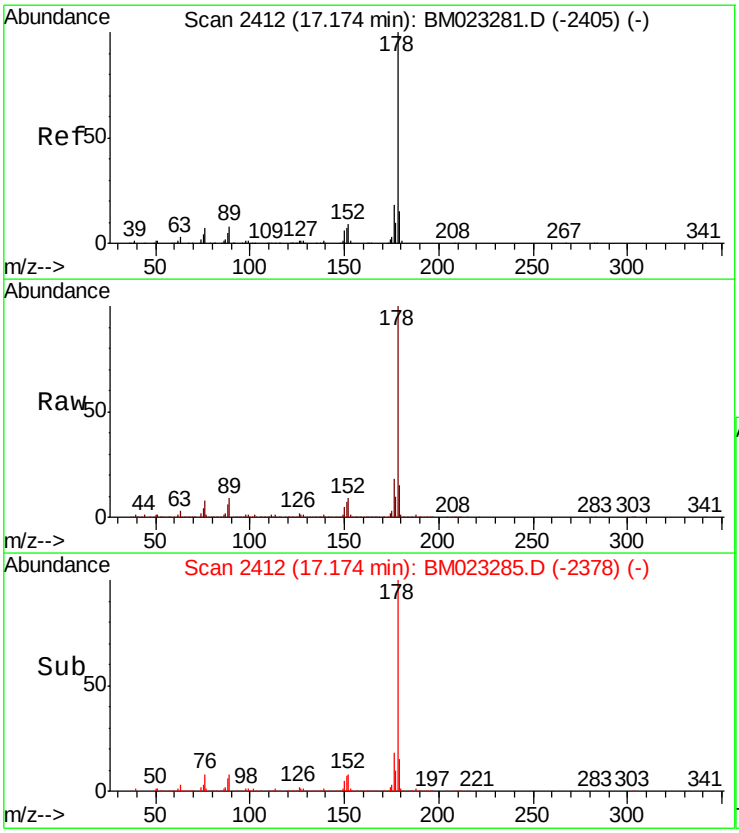
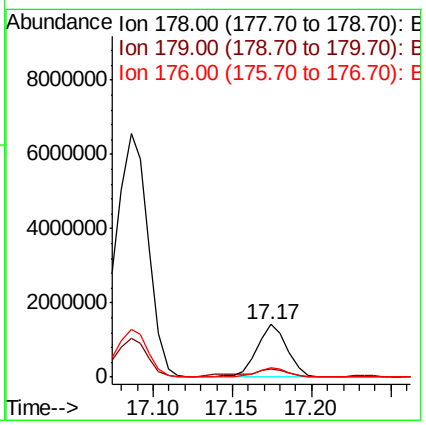
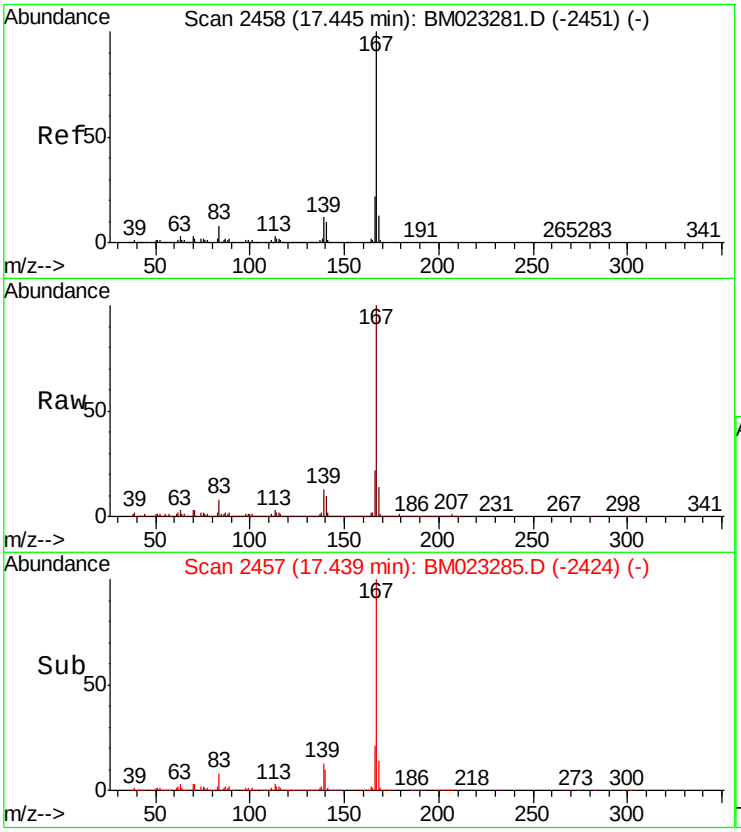



#72
Anthracene
Concen: 12.958 ng/ul
RT: 17.17 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:178 Resp: 1927070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.3 | 18.5 |
| 176 | 18.3 | 15.0 | 22.4 |

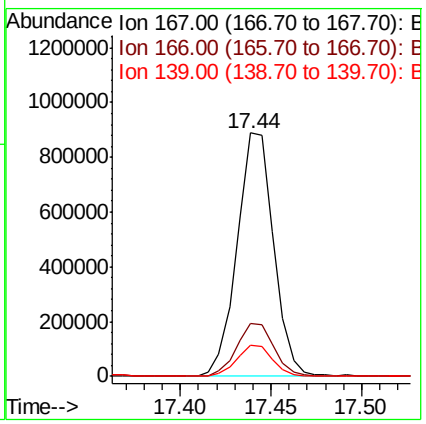





#75
Carbazole
Concen: 9.364 ng/ul
RT: 17.44 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:167 Resp: 1244098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.4 | 26.0 |
| 139 | 12.8 | 10.2 | 15.2 |

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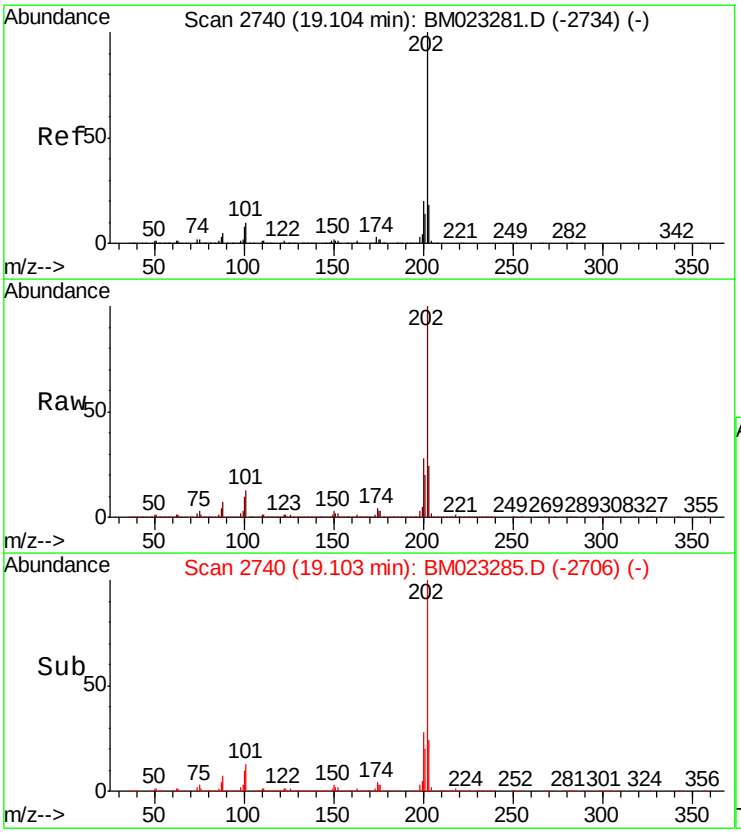
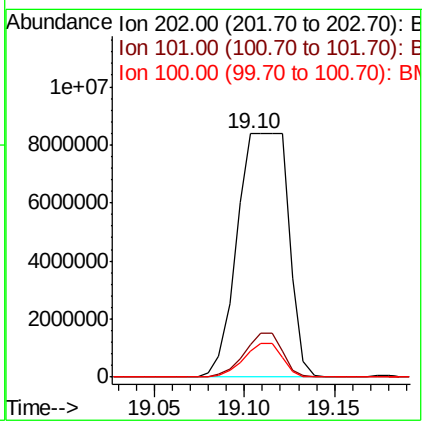
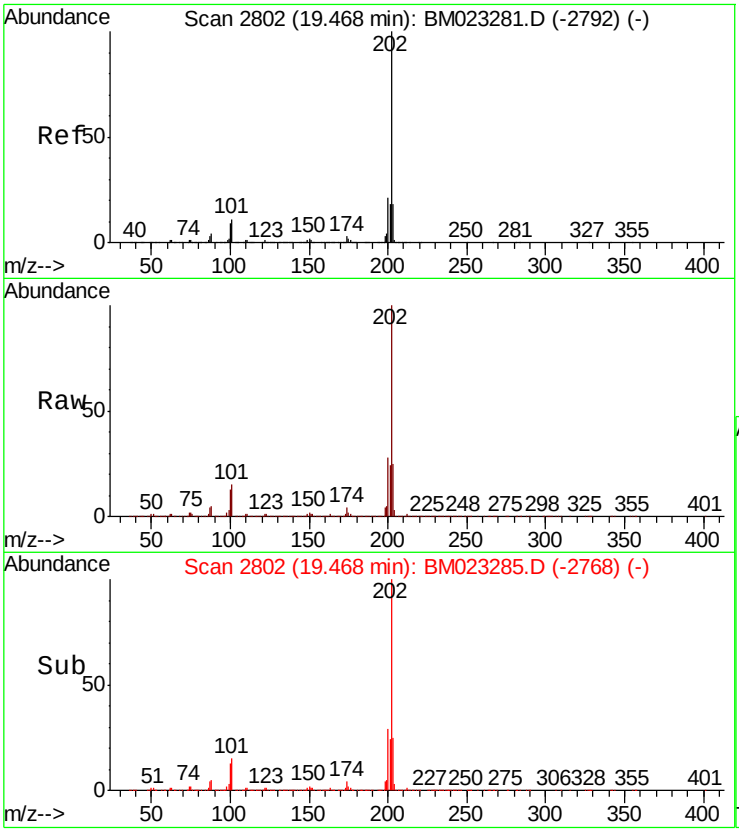



#77
Fluoranthene
Concen: 96.831 ng/ul m
RT: 19.10 min Scan# 2740
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:202 Resp:16573077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 7.8 | 11.8# |
| 100 | 10.4 | 6.1 | 9.1# |

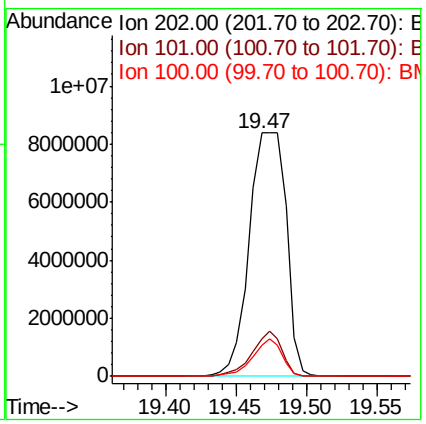





#80
Pyrene
Concen: 92.021 ng/ul
RT: 19.47 min Scan# 2802
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:202 Resp:15483655

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.3 | 9.1 | 13.7# |
| 100 | 12.6 | 7.5 | 11.3# |

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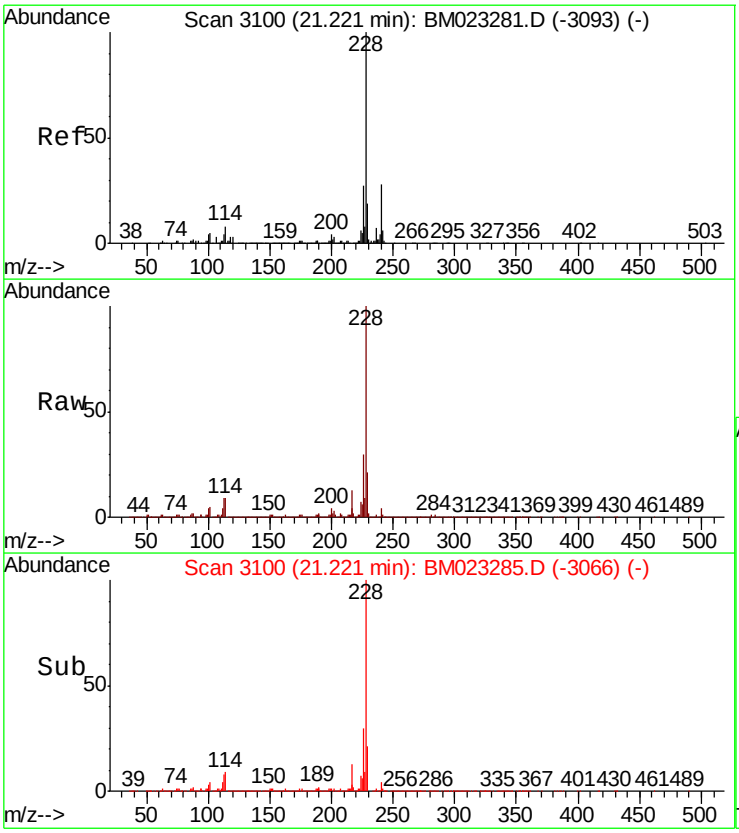
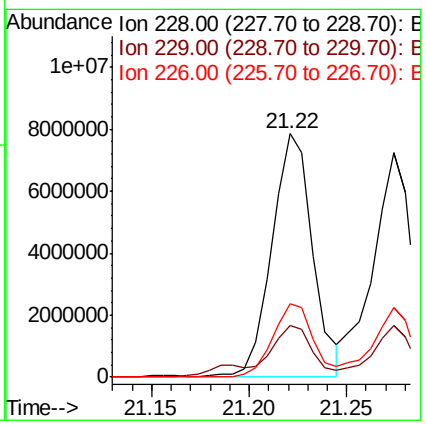
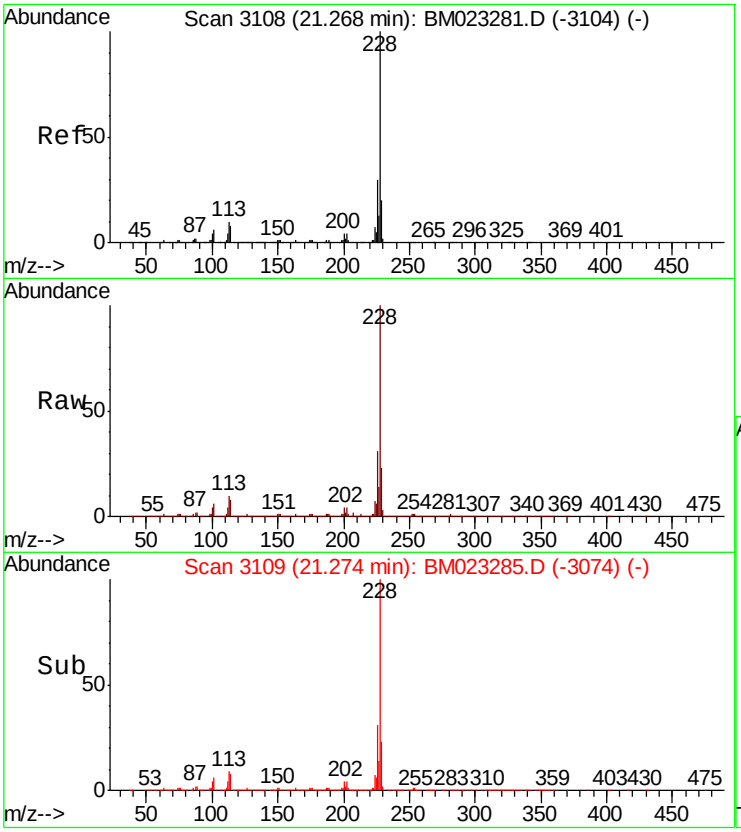



#83
Benzo(a)anthracene
Concen: 62.253 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:228 Resp:11329446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.3 | 15.7 | 23.5 |
| 226 | 30.1 | 21.6 | 32.4 |

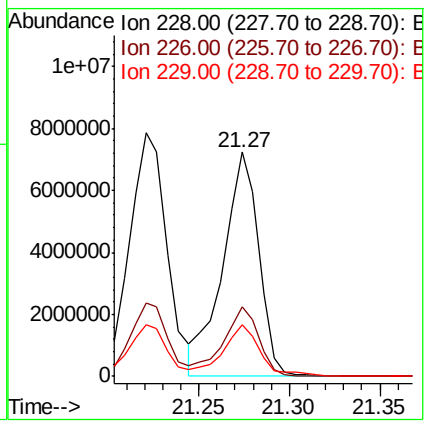





#85
Chrysene
Concen: 58.972 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:228 Resp: 9965433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 23.8 | 35.6 |
| 229 | 23.0 | 15.5 | 23.3 |

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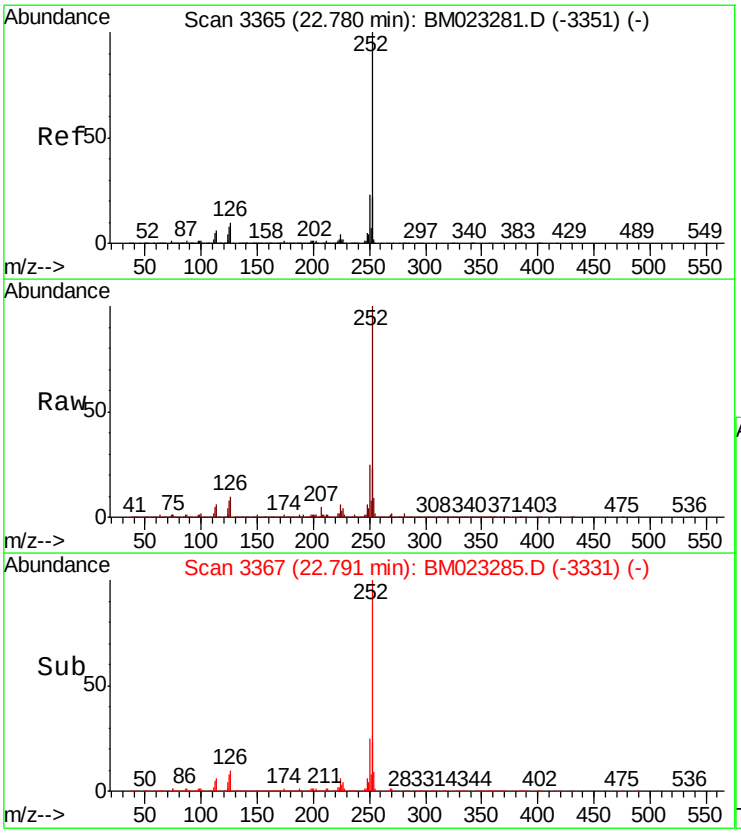
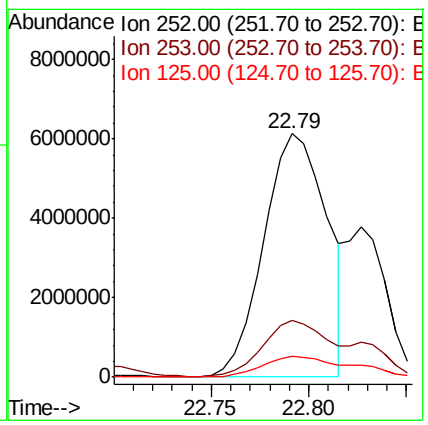
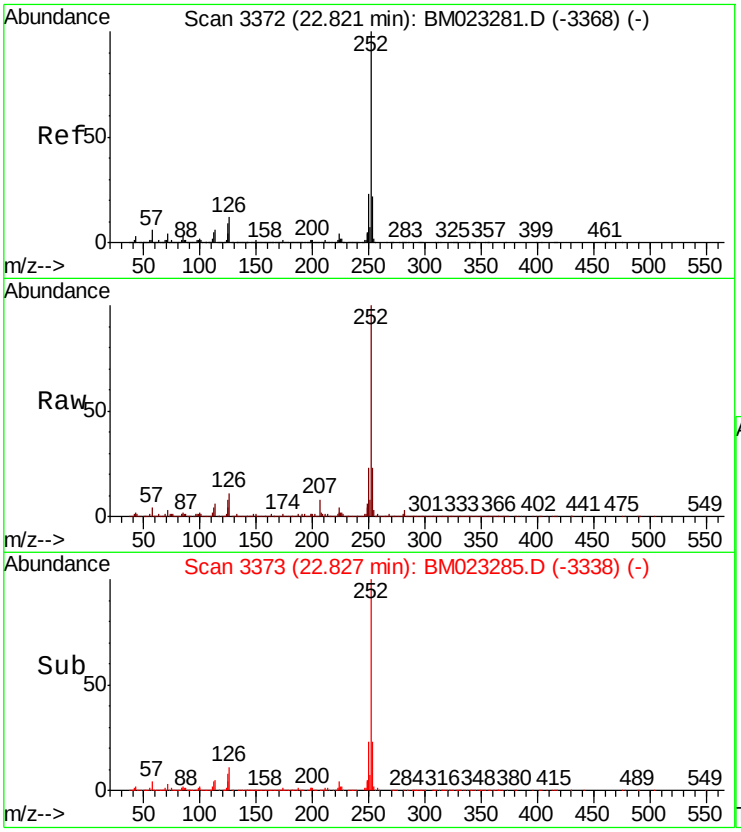



#88
Benzo(b)fluoranthene
Concen: 68.472 ng/ul
RT: 22.79 min Scan# 3367
Delta R.T. 0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:252 Resp:13692839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.6 | 26.4 |
| 125 | 8.4 | 6.4 | 9.6 |

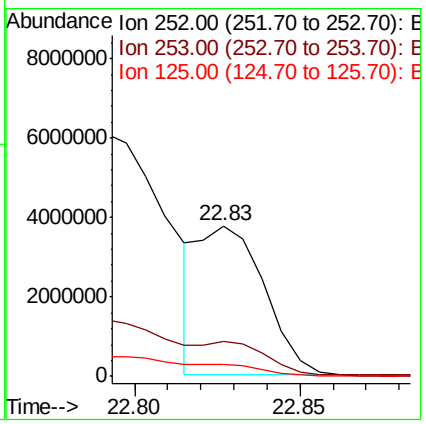





#89
Benzo(k)fluoranthene
Concen: 26.642 ng/ul m
RT: 22.83 min Scan# 3373
Delta R.T. 0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:252 Resp: 5115745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.4 | 26.0 |
| 125 | 8.1 | 6.5 | 9.7 |

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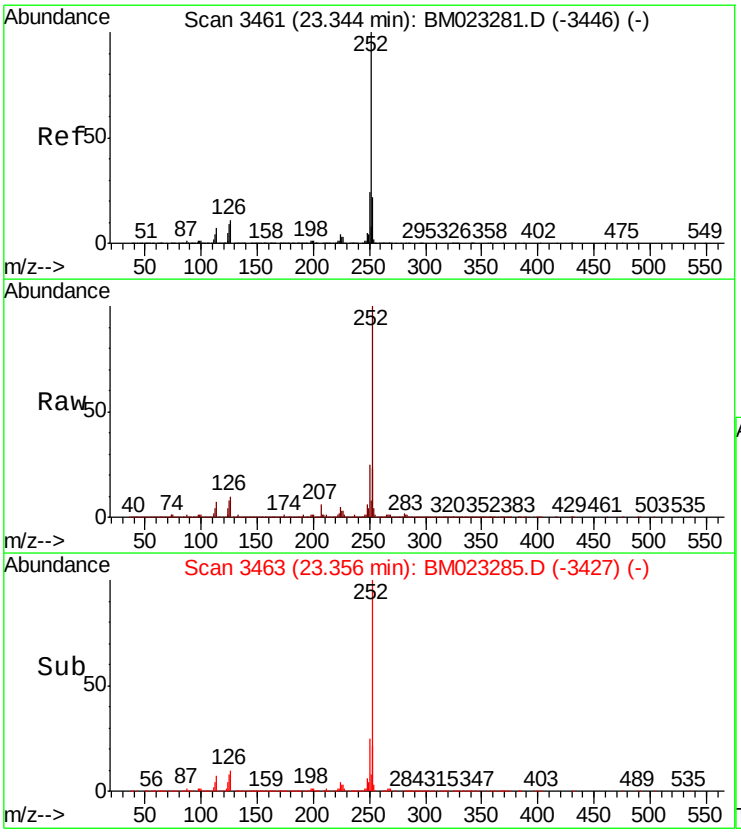
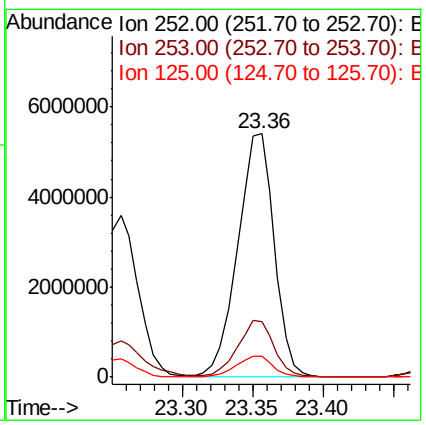
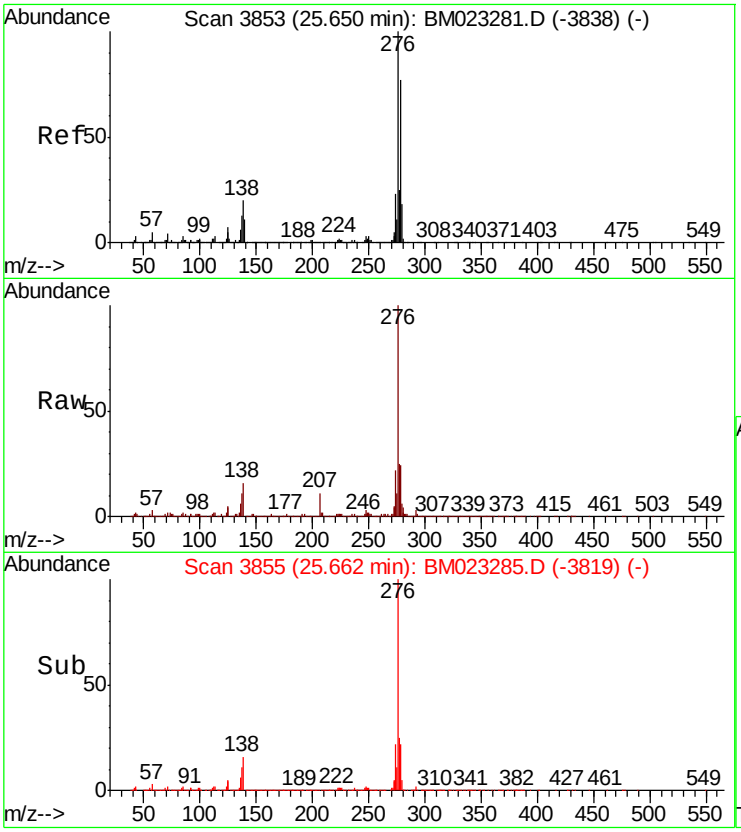



#91
Benzo(a)pyrene
Concen: 50.669 ng/ul
RT: 23.36 min Scan# 3463
Delta R.T. 0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:252 Resp: 9721298

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.2 | 25.8 |
| 125 | 8.4 | 7.4 | 11.0 |

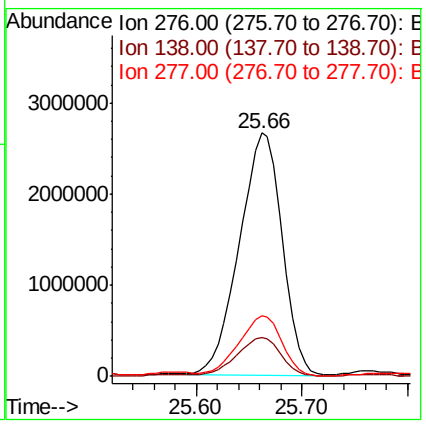





#92
Indeno(1,2,3-cd)pyrene
Concen: 32.970 ng/ul
RT: 25.66 min Scan# 3855
Delta R.T. 0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:276 Resp: 7525124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.2 | 14.9 | 22.3 |
| 277 | 25.0 | 19.8 | 29.8 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0012

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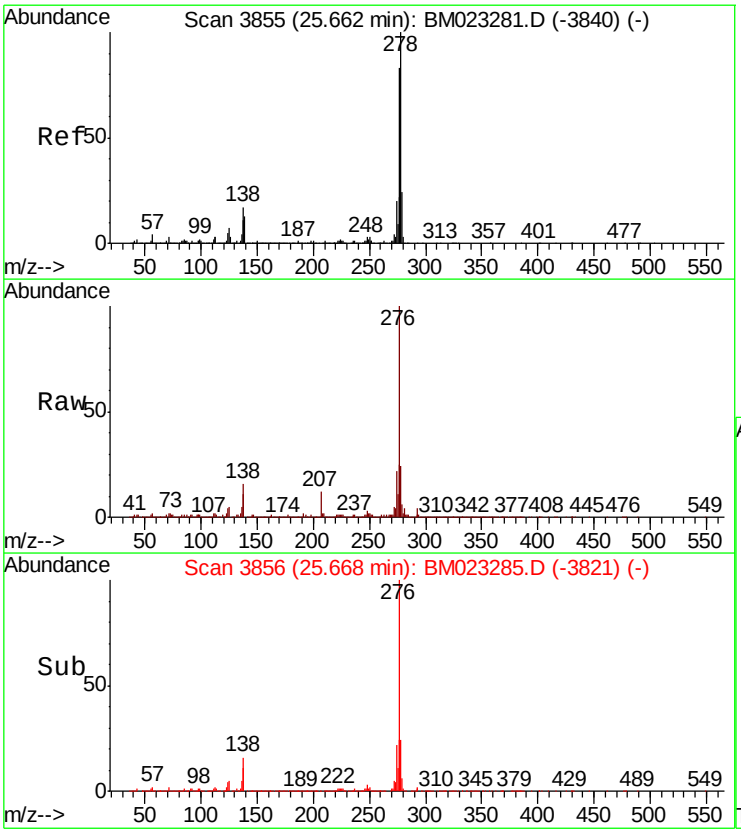
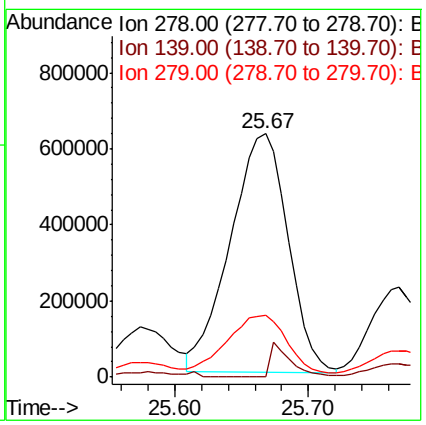
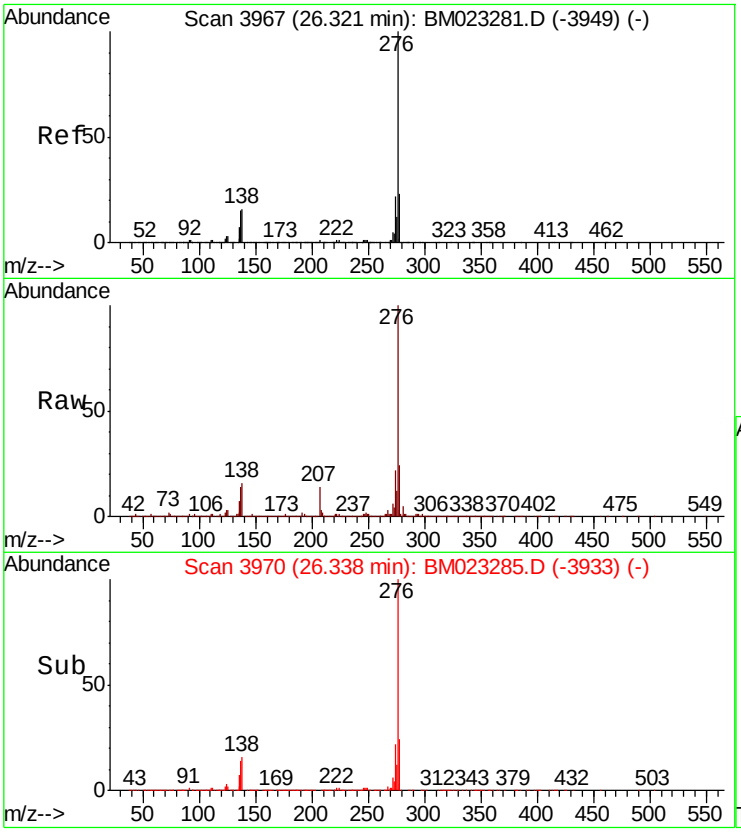



#93
Dibenzo(a,h)anthracene
Concen: 9.873 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.01 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:278 Resp: 1884213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 10.0 | 15.0# |
| 279 | 25.3 | 19.4 | 29.0 |

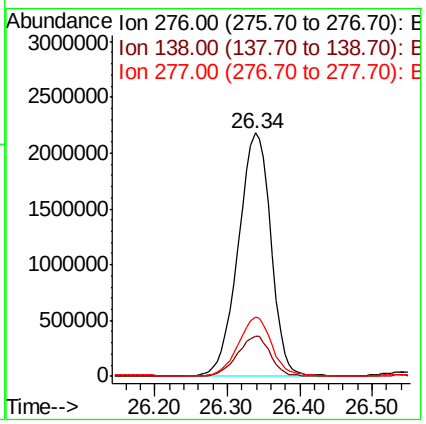





#94
Benzo(g,h,i)perylene
Concen: 35.912 ng/ul
RT: 26.34 min Scan# 3970
Delta R.T. 0.02 min
Lab File: BM023285.D
Acq: 19 Oct 2019 13:19

Tgt Ion:276 Resp: 6748650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.4 | 14.4 | 21.6 |
| 277 | 24.2 | 19.4 | 29.2 |




**Instrument :**
BNA_M
**ClientSampleId :**
C0012

**Manual Integrations APPROVED**
mohammad
10/22/2019 1:45:10 AM