Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072719\
Data File : BM021684.D
Acq On : 27 Jul 2019 11:54
Operator : HP/JU
Sample : K3893-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEP16

**Manual Integrations APPROVED**
mohammad
7/29/2019 2:29:42 PM

Quant Time: Jul 29 05:06:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 26 18:42:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.68 | 152 | 152464 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.46 | 136 | 575935 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.33 | 164 | 332980 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.08 | 188 | 665162 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.27 | 240 | 700781 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.51 | 264 | 858189 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.23 | 96 | 14715 | 4.64 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.86 | 99 | 253994 | 22.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.03 | 67 | 163446 | 24.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.22 | 132 | 232548 | 24.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 206255 | 21.43 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 116012 | 26.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.56 | 143 | 129409 | 27.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.09 | 165 | 238966 | 23.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.62 | 131 | 187386 | 19.50 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.75 | 166 | 706242 | 27.48 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.02 | 160 | 807025 | 26.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.57 | 143 | 29184 | 7.48 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.32 | 176 | 610010 | 27.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 13858 | 3.35 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.18 | 188 | 880542 | 26.31 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.48 | 212 | 969062 | 24.65 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.37 | 264 | 1146667 | 25.25 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 14) Acetophenone | 8.52 | 105 | 20928 | 1.306 | ng/ul | 96 |
| 30) 4-Chloroaniline | 10.65 | 127 | 32687 | 3.173 | ng/ul | 100 |
| 44) Dimethylphthalate | 13.79 | 163 | 118649 | 4.448 | ng/ul | 99 |
| 47) Acenaphthylene | 14.05 | 152 | 41751 | 1.276 | ng/ul | 97 |
| 66) Hexachlorobenzene | 16.37 | 284 | 14957 | 1.422 | ng/ul | 99 |
| 69) Phenanthrene | 17.12 | 178 | 207617 | 5.182 | ng/ul | 100 |
| 71) Anthracene | 17.22 | 178 | 62763 | 1.529 | ng/ul | 95 |
| 76) Fluoranthene | 19.14 | 202 | 585830 | 12.535 | ng/ul | 99 |
| 79) Pyrene | 19.51 | 202 | 468892 | 8.967 | ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.26 | 228 | 324391 | 6.357 | ng/ul | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 71536 | 3.080 | ng/ul | 98 |
| 84) Chrysene | 21.31 | 228 | 307629 | 6.394 | ng/ul | 96 |
| 87) Benzo(b)fluoranthene | 22.84 | 252 | 488521 | 8.366 | ng/ul# | 94 |
| 88) Benzo(k)fluoranthene | 22.88 | 252 | 169313m | 2.966 | ng/ul | |
| 90) Benzo(a)pyrene | 23.42 | 252 | 320443 | 5.861 | ng/ul# | 94 |
| 91) Indeno(1,2,3-cd)pyrene | 25.76 | 276 | 265978 | 4.195 | ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 25.76 | 278 | 71242 | 1.352 | ng/ul# | 80 |
| 93) Benzo(g,h,i)perylene | 26.45 | 276 | 218123 | 4.138 | ng/ul | 97 |

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

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**Instrument :**
BNA_M
**ClientSampleId :**
BEP16

**Manual Integrations APPROVED**
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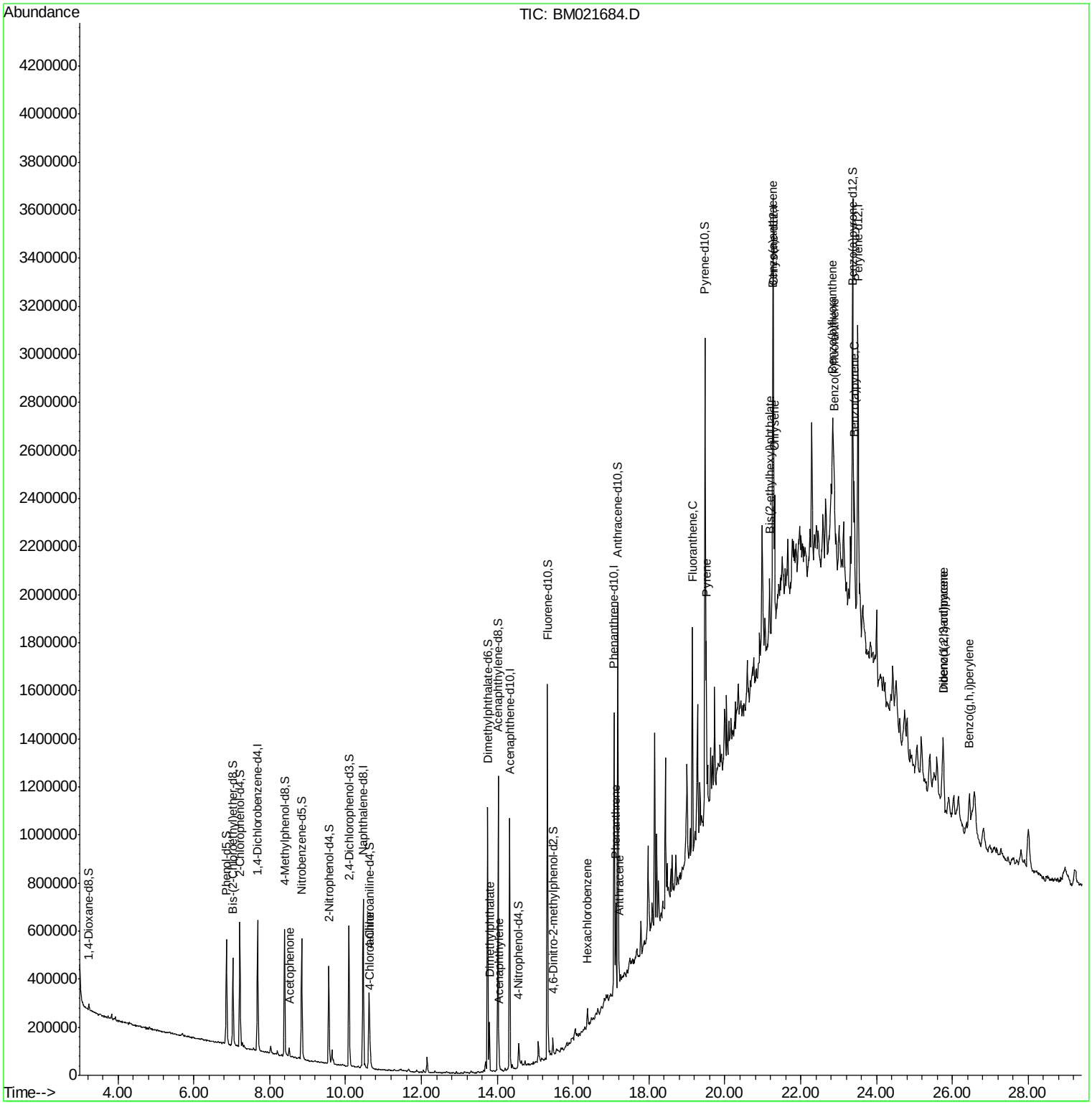
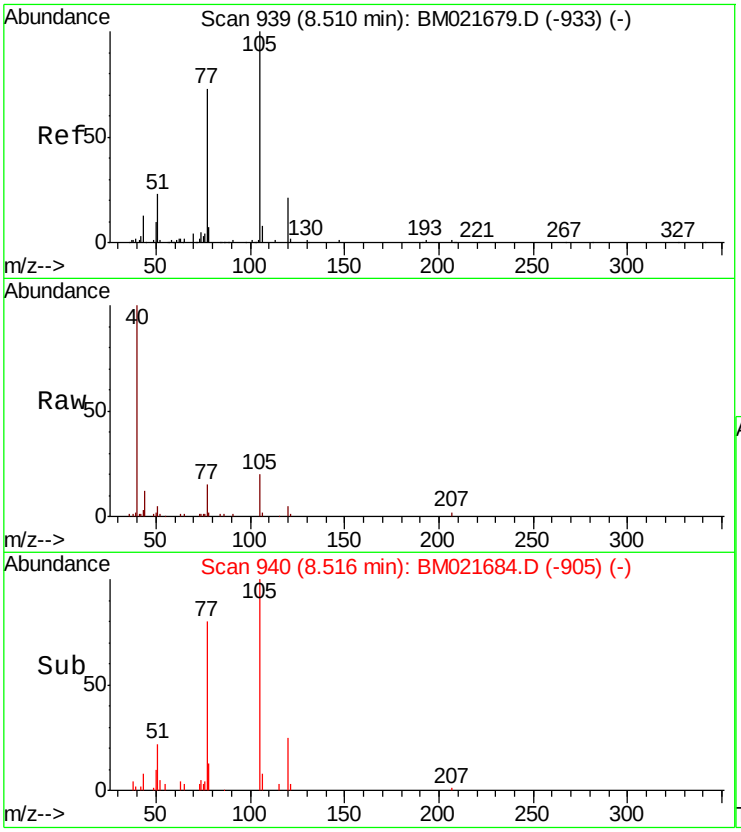
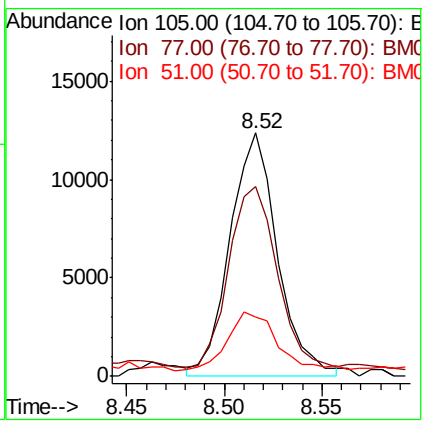





#14
Acetophenone
Concen: 1.306 ng/ul
RT: 8.52 min Scan# 940
Delta R.T. 0.01 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:105 Resp: 20928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 78.0 | 65.1 | 97.7 |
| 51 | 24.3 | 21.3 | 31.9 |

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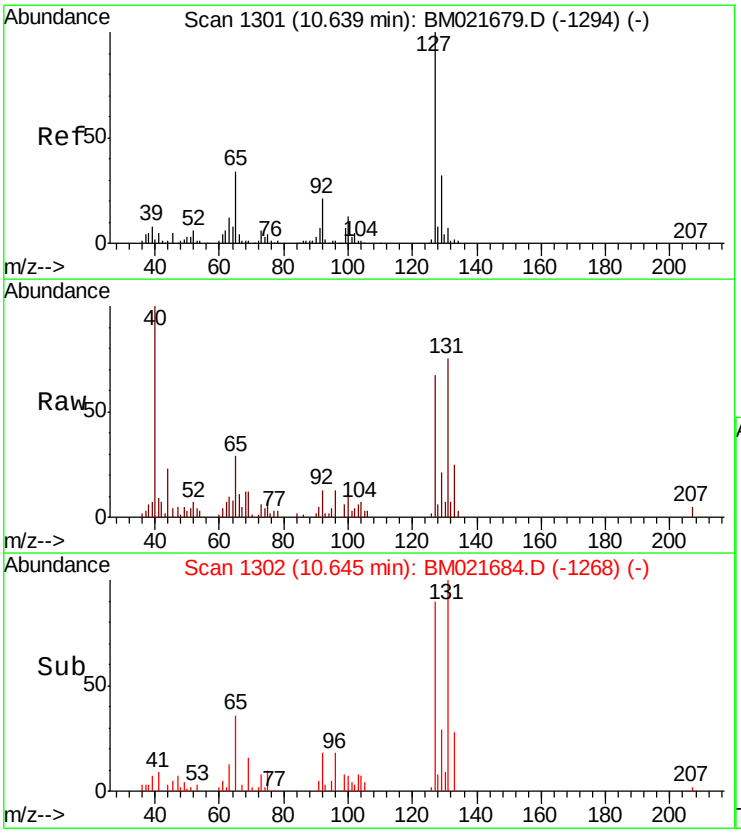
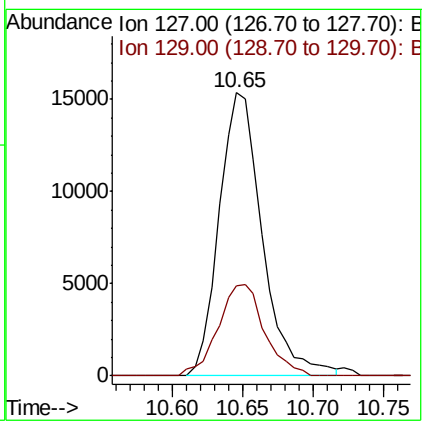
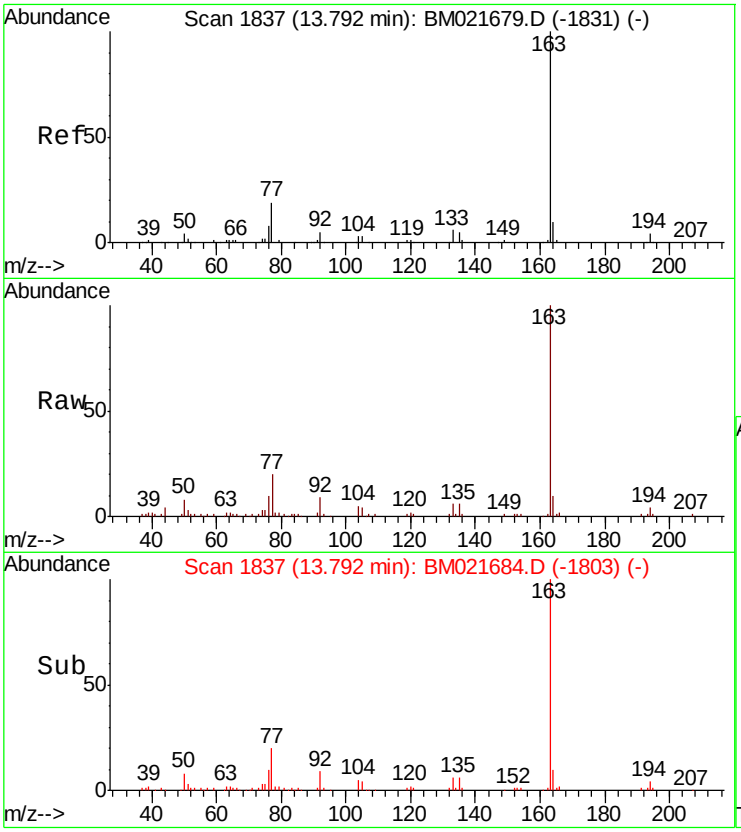



#30
4-Chloroaniline
Concen: 3.173 ng/ul
RT: 10.65 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:127 Resp: 32687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 31.9 | 25.5 | 38.3 |

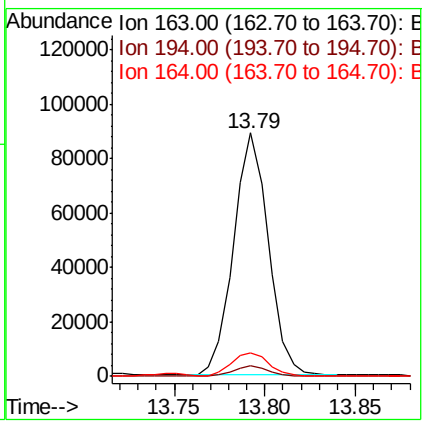





#44
Dimethylphthalate
Concen: 4.448 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:163 Resp: 118649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.5 | 5.3 |
| 164 | 9.8 | 8.1 | 12.1 |

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**ClientSampleId :**
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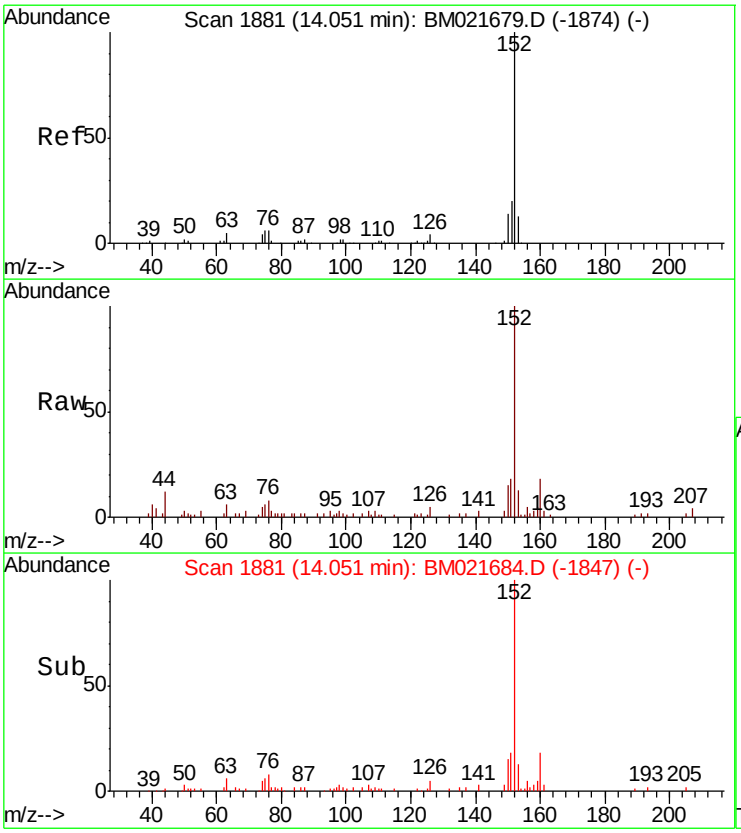
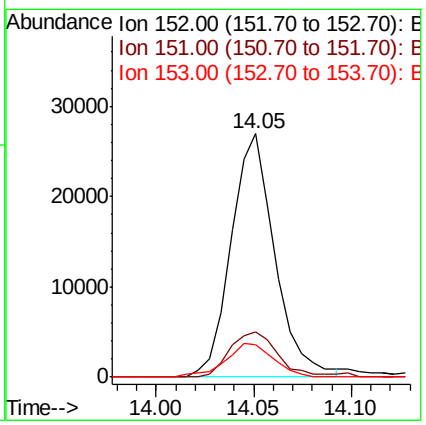
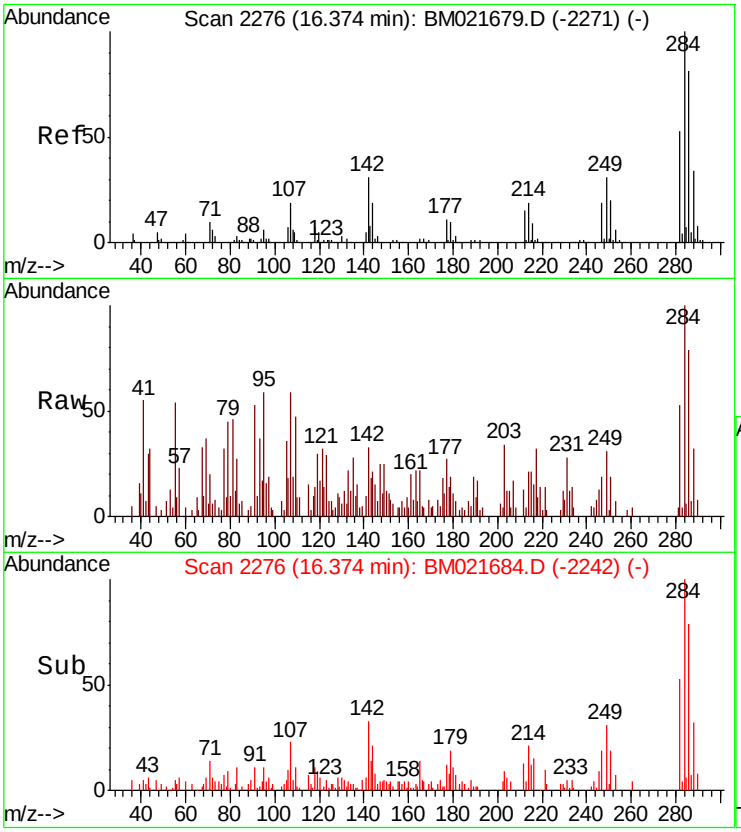



#47
Acenaphthylene
Concen: 1.276 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:152 Resp: 41751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.4 | 16.2 | 24.2 |
| 153 | 13.4 | 10.4 | 15.6 |

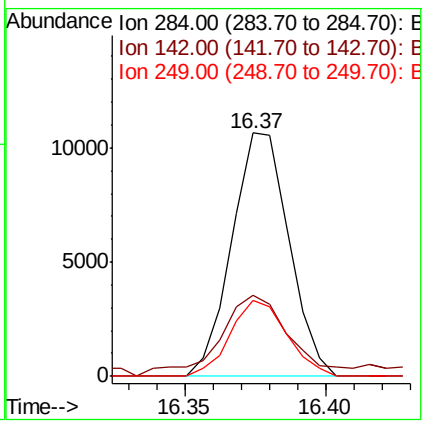





#66
Hexachlorobenzene
Concen: 1.422 ng/ul
RT: 16.37 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:284 Resp: 14957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 31.5 | 25.1 | 37.7 |
| 249 | 29.6 | 24.6 | 36.8 |

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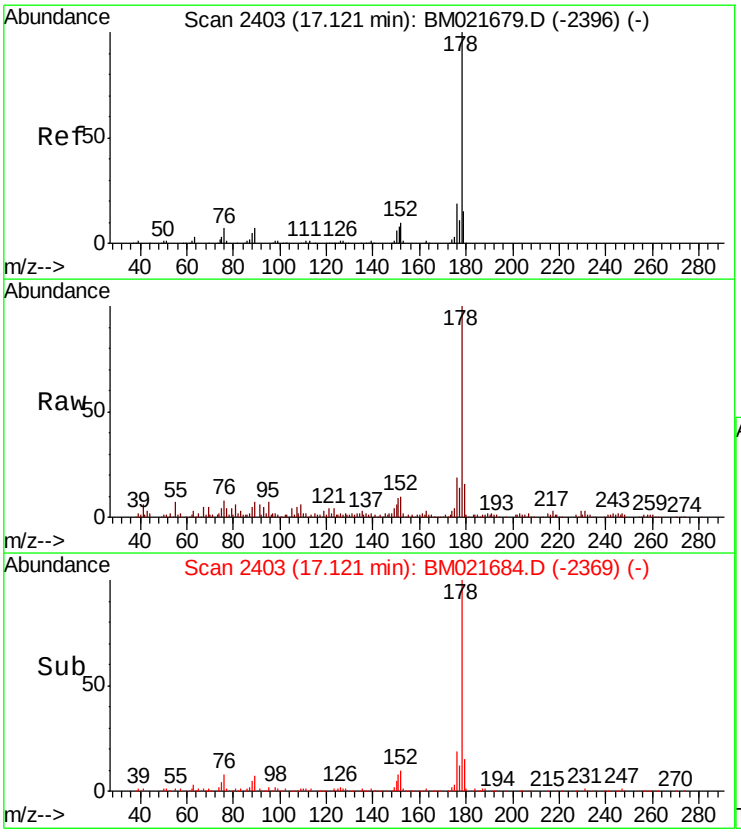
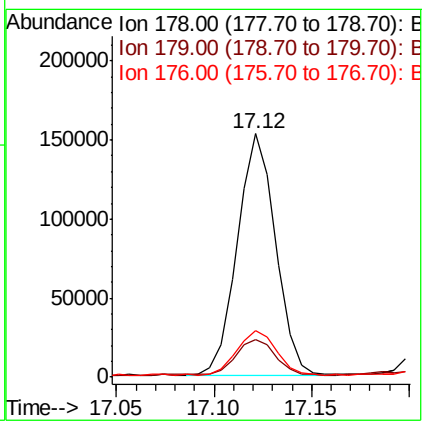
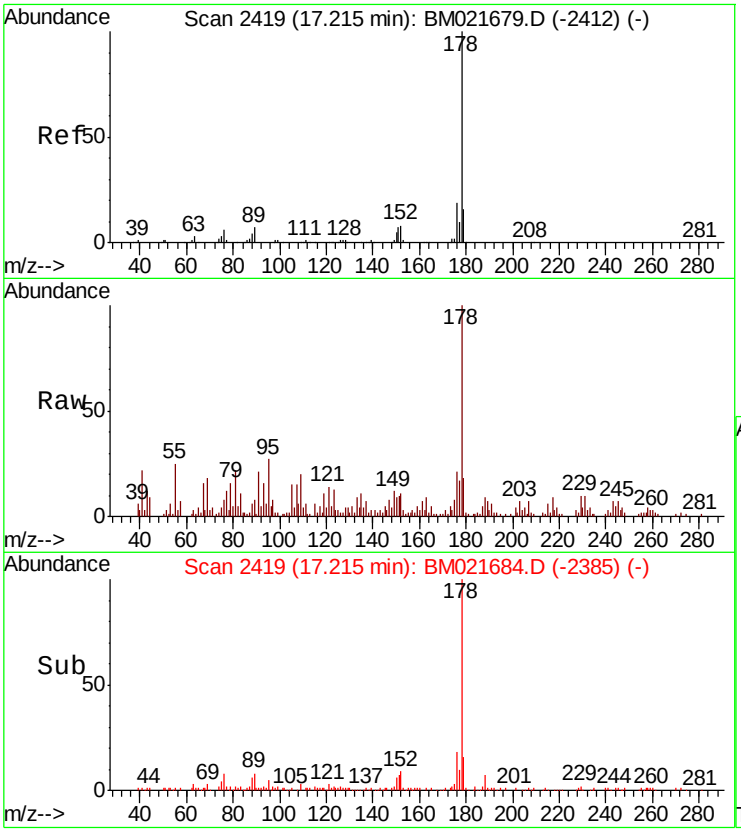



#69
Phenanthrene
Concen: 5.182 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:178 Resp: 207617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 12.5 | 18.7 |
| 176 | 19.3 | 15.4 | 23.2 |

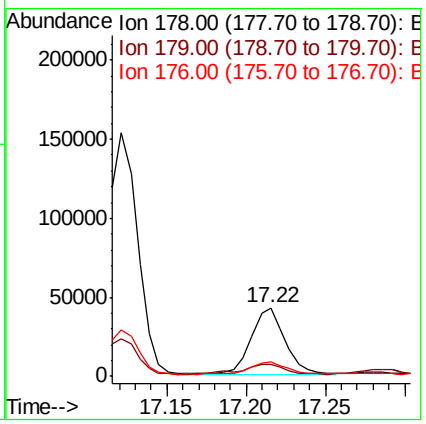





#71
Anthracene
Concen: 1.529 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:178 Resp: 62763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.5 | 12.3 | 18.5 |
| 176 | 20.9 | 14.8 | 22.2 |

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**ClientSampleId :**
BEP16

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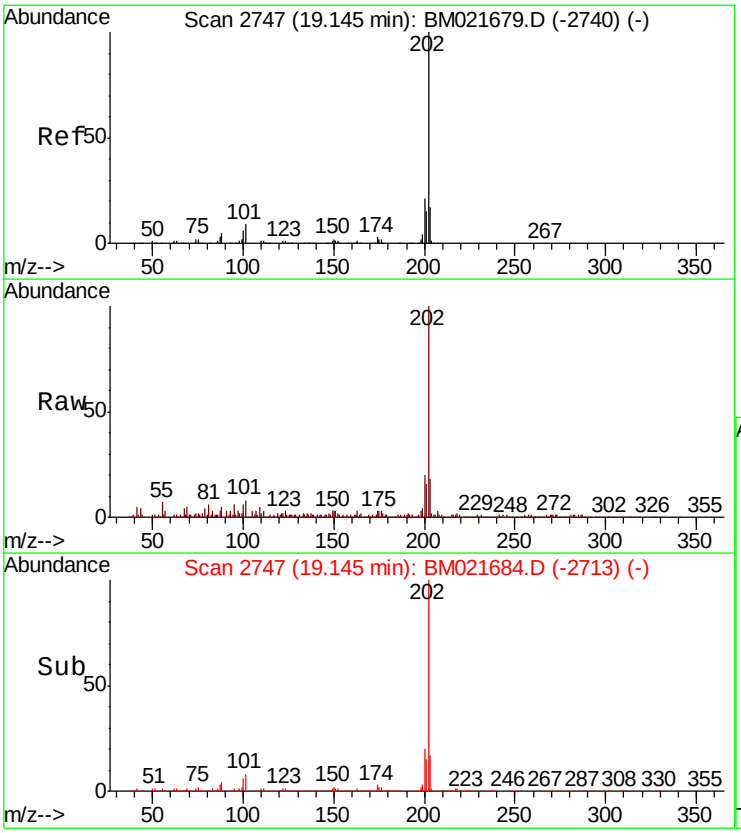
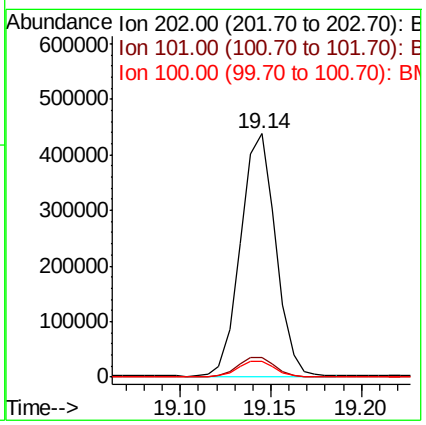
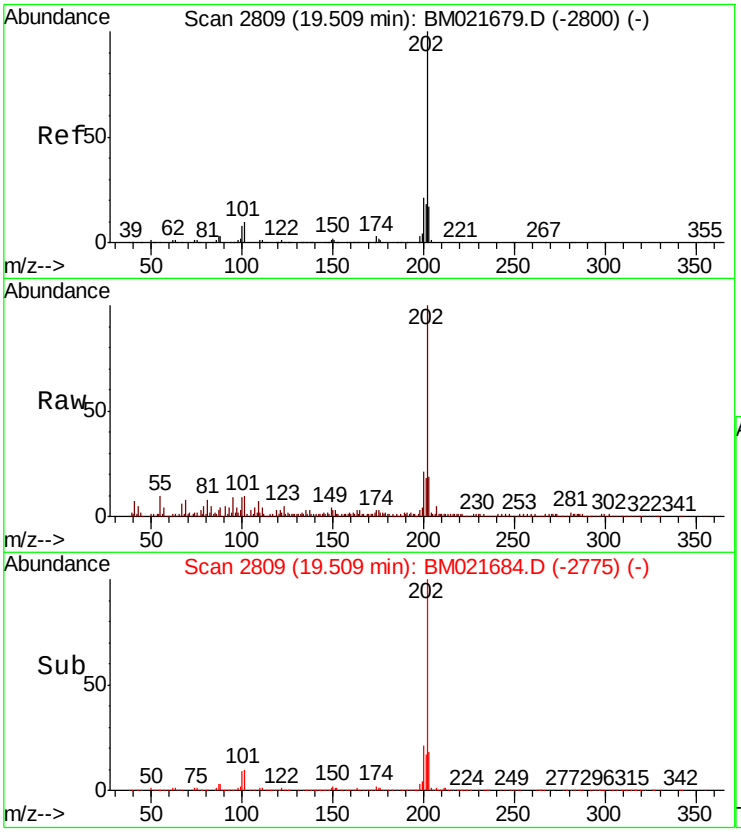



#76
Fluoranthene
Concen: 12.535 ng/ul
RT: 19.14 min Scan# 2747
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:202 Resp: 585830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.0 | 6.7 | 10.1 |
| 100 | 6.4 | 5.1 | 7.7 |

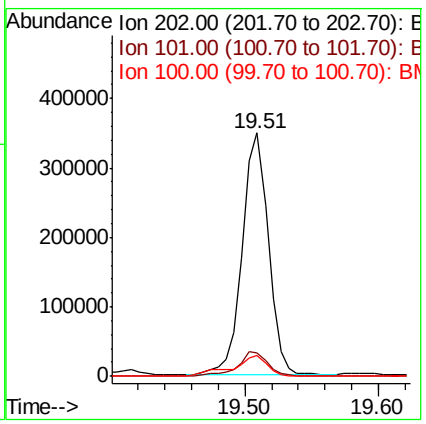





#79
Pyrene
Concen: 8.967 ng/ul
RT: 19.51 min Scan# 2809
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:202 Resp: 468892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.9 | 8.2 | 12.2 |
| 100 | 8.6 | 7.0 | 10.4 |

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**ClientSampleId :**
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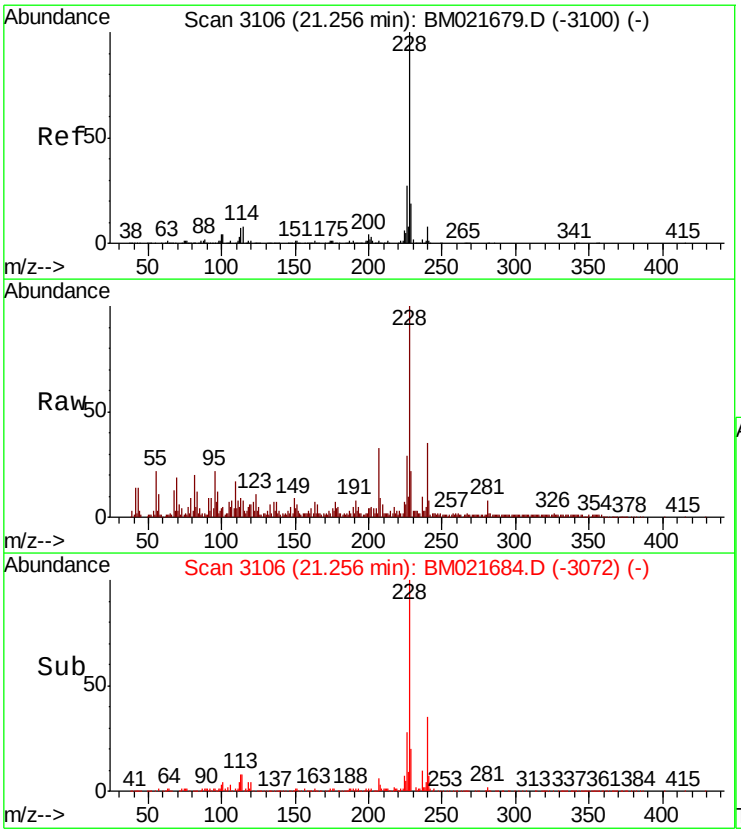
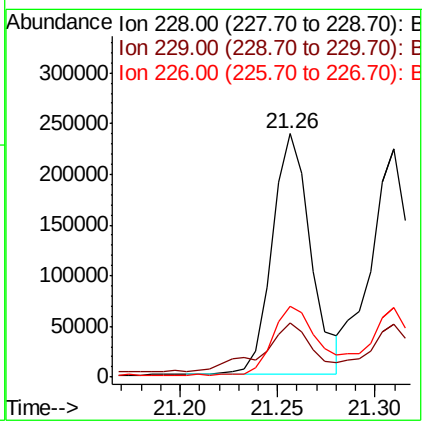
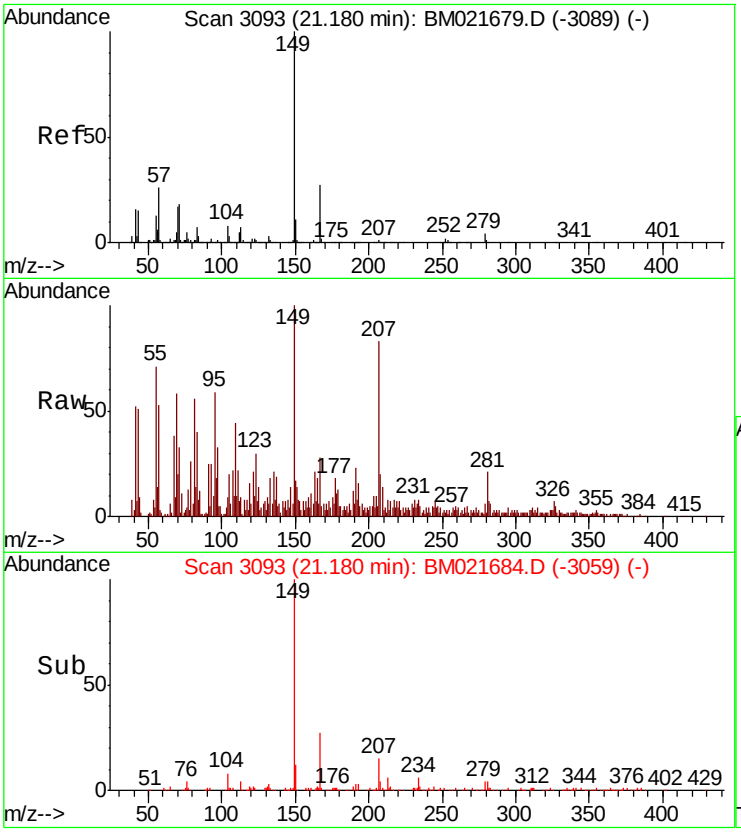



#82
Benzo(a)anthracene
Concen: 6.357 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:228 Resp: 324391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.1 | 15.7 | 23.5 |
| 226 | 29.0 | 21.4 | 32.2 |






#83
Bis(2-ethylhexyl)phthalate
Concen: 3.080 ng/ul
RT: 21.18 min Scan# 3093
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:149 Resp: 71536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 21.6 | 32.4 |
| 279 | 5.5 | 3.8 | 5.6 |

**Instrument :**
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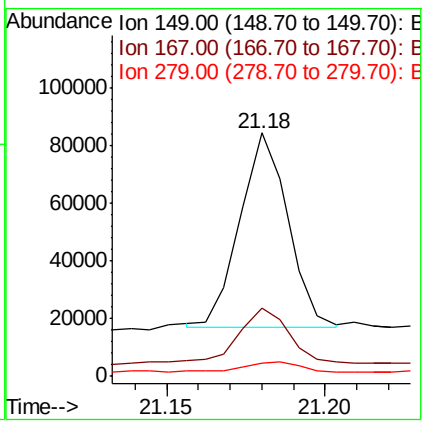
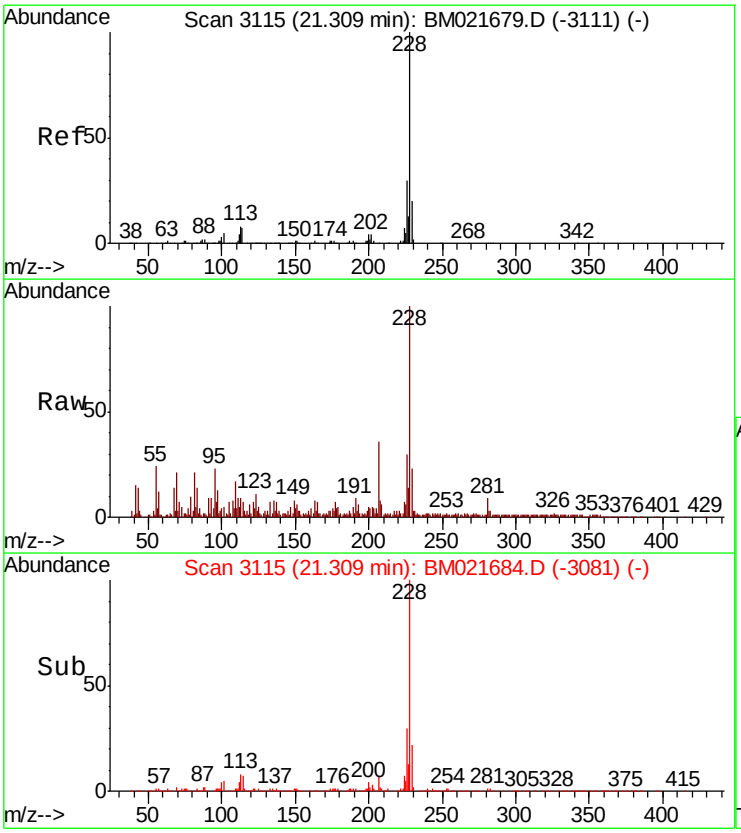
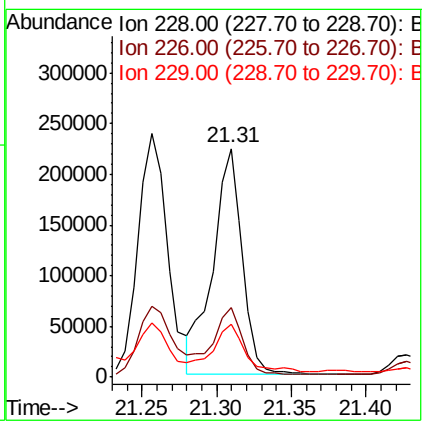


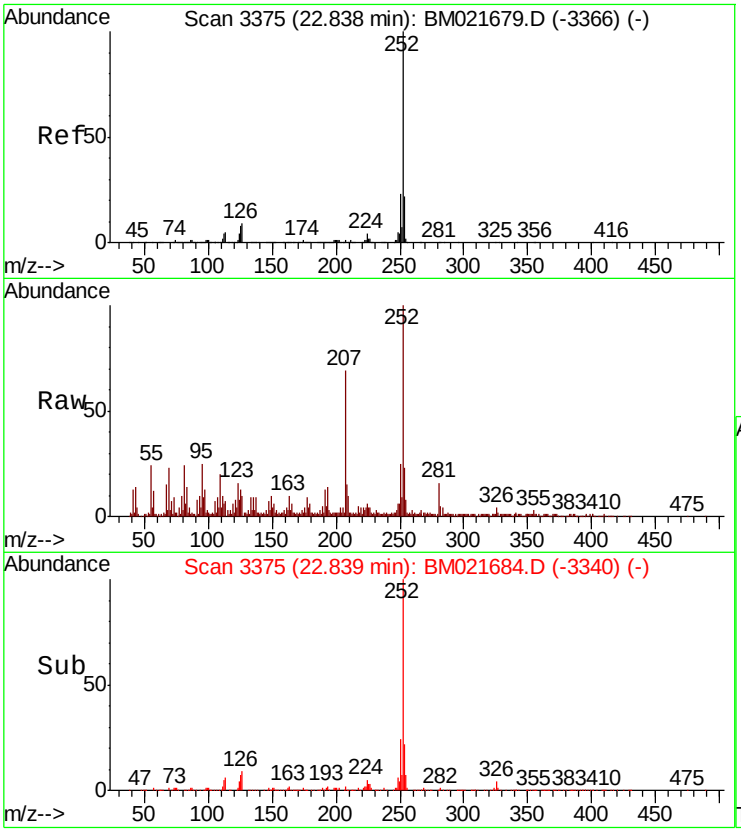




#84
Chrysene
Concen: 6.394 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:228 Resp: 307629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.0 | 36.0 |
| 229 | 23.4 | 15.7 | 23.5 |

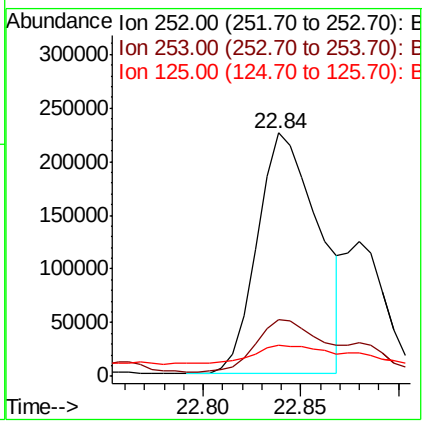





#87
Benzo(b)fluoranthene
Concen: 8.366 ng/ul
RT: 22.84 min Scan# 3375
Delta R.T. 0.01 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:252 Resp: 488521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.3 | 25.9 |
| 125 | 12.7 | 6.3 | 9.5# |

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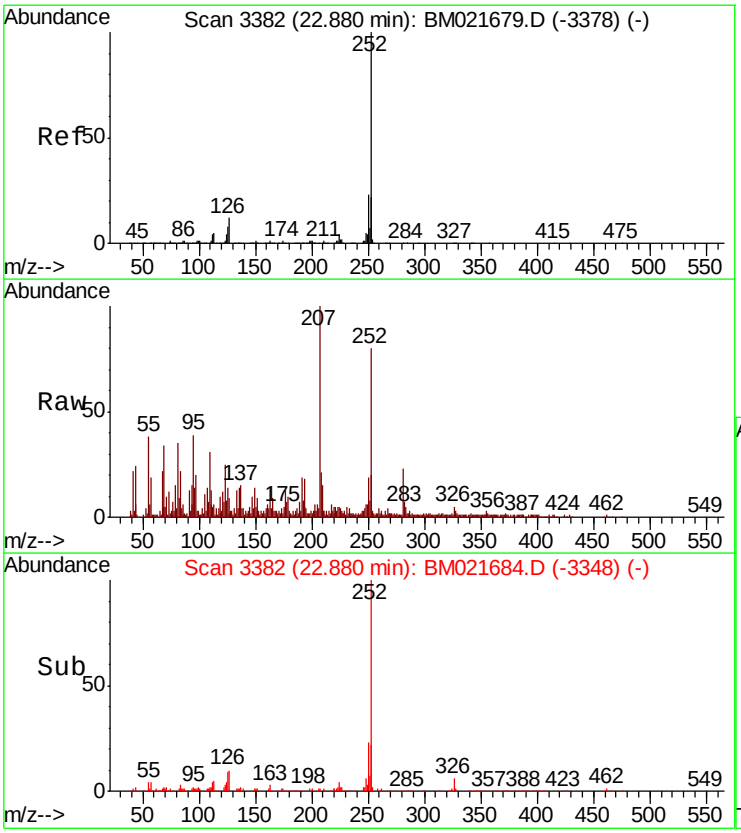
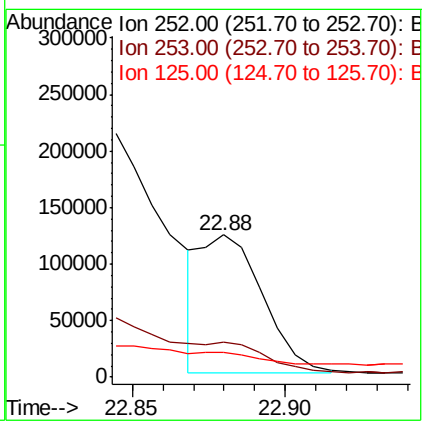
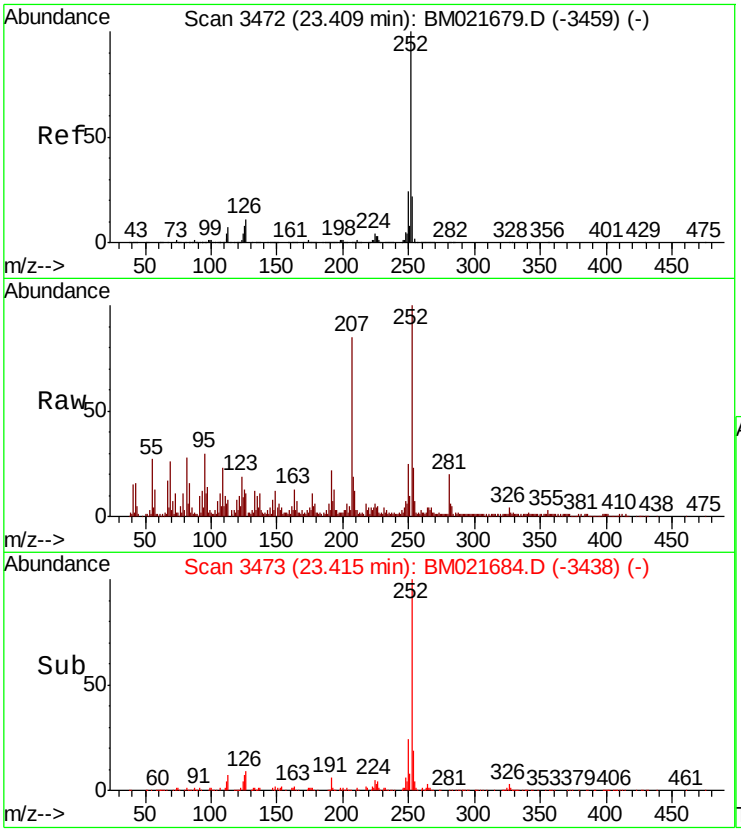



#88
Benzo(k)fluoranthene
Concen: 2.966 ng/ul m
RT: 22.88 min Scan# 3382
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:252 Resp: 169313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 17.7 | 26.5 |
| 125 | 17.8 | 6.3 | 9.5# |





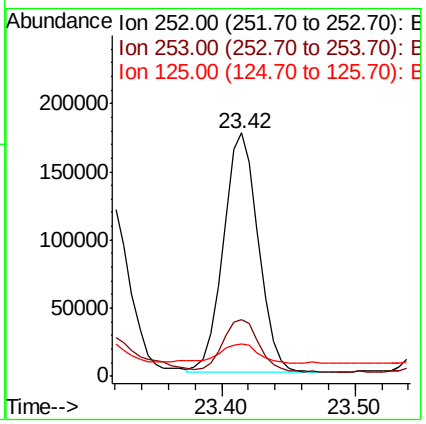

#90
Benzo(a)pyrene
Concen: 5.861 ng/ul
RT: 23.42 min Scan# 3473
Delta R.T. 0.01 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

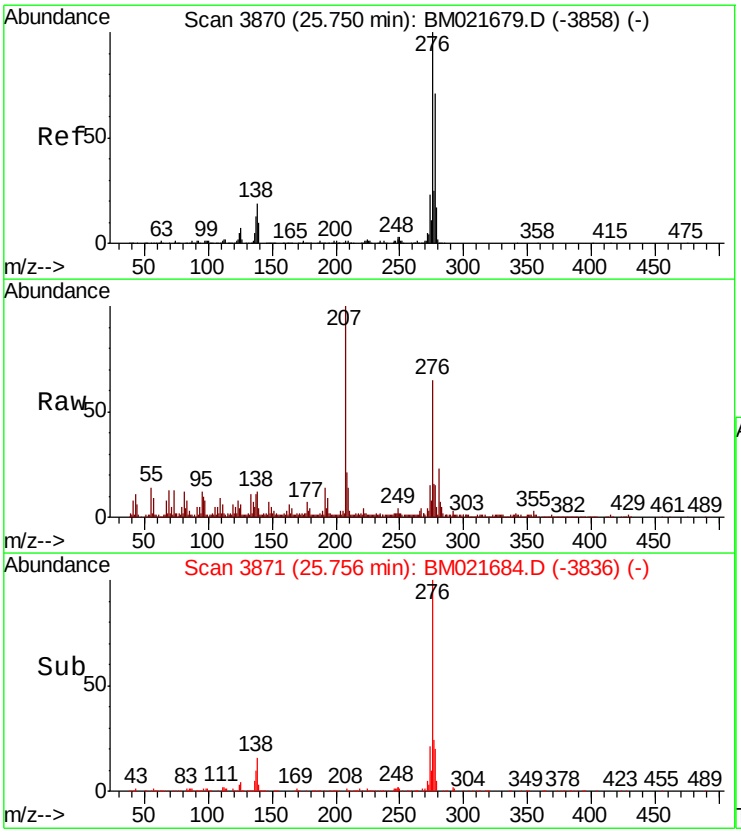
Tgt Ion:252 Resp: 320443

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.5 | 26.3 |
| 125 | 13.1 | 7.0 | 10.6# |

**Instrument :**
BNA_M
**ClientSampleId :**
BEP16

**Manual Integrations APPROVED**
mohammad
7/29/2019 2:29:42 PM

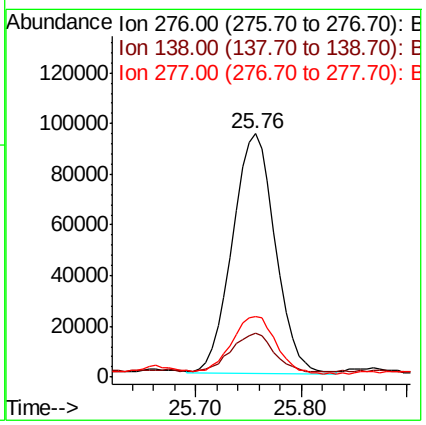


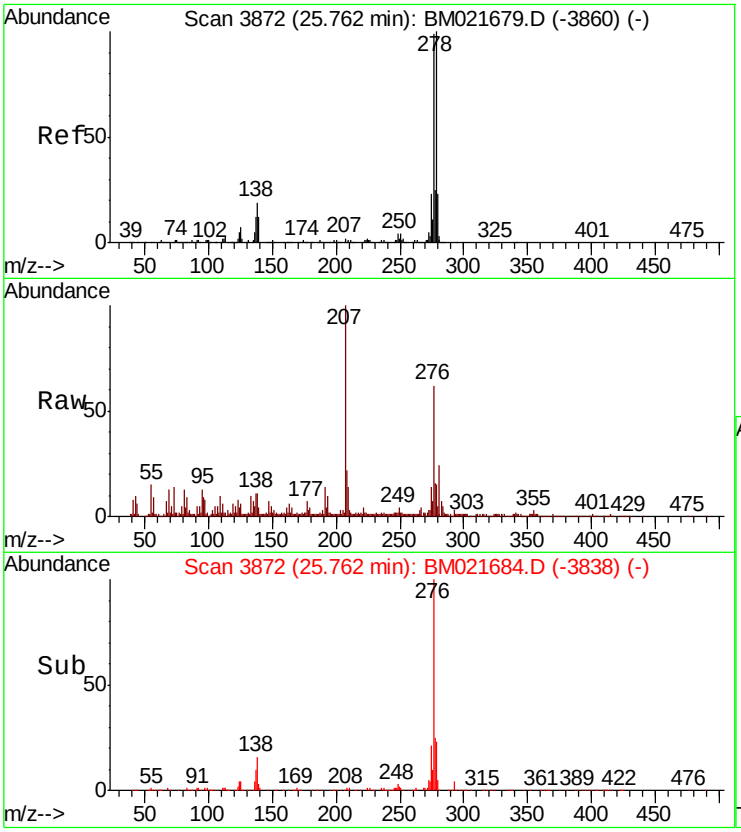




#91
Indeno(1,2,3-cd)pyrene
Concen: 4.195 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:276 Resp: 265978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.9 | 14.8 | 22.2 |
| 277 | 24.8 | 19.7 | 29.5 |

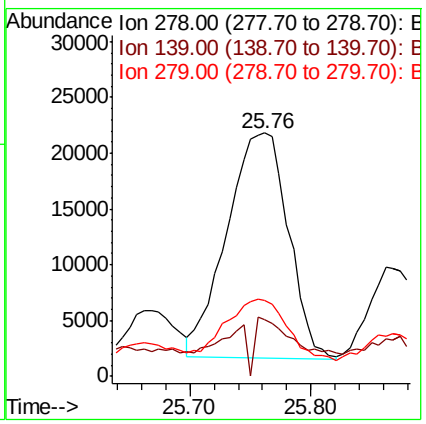





#92
Dibenzo(a,h)anthracene
Concen: 1.352 ng/ul
RT: 25.76 min Scan# 3872
Delta R.T. 0.00 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

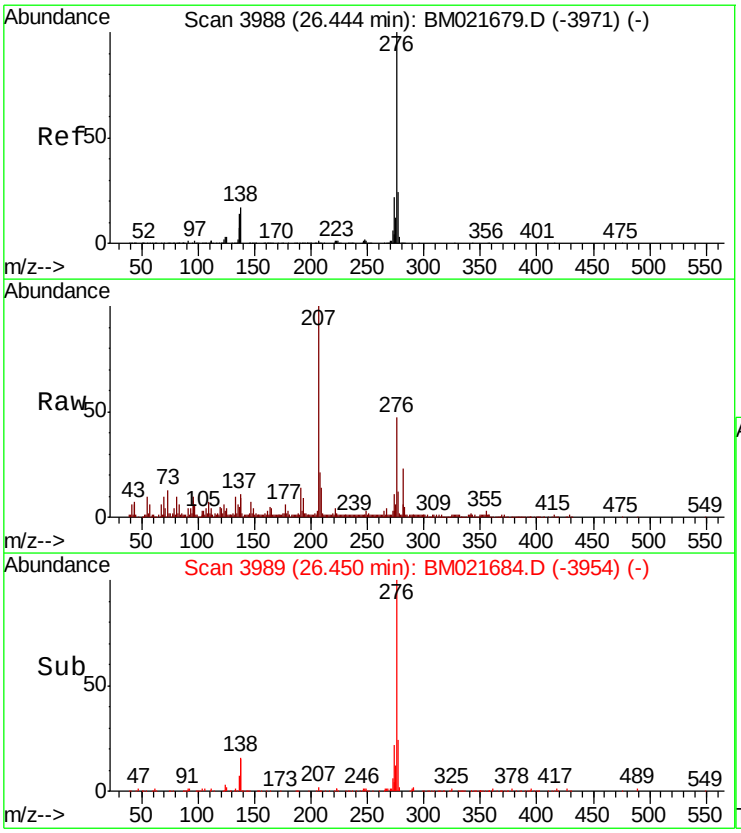
Tgt Ion:278 Resp: 71242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.5 | 9.6 | 14.4# |
| 279 | 31.2 | 19.2 | 28.8# |




**Instrument :**
BNA_M
**ClientSampleId :**
BEP16

**Manual Integrations APPROVED**
mohammad
7/29/2019 2:29:42 PM




#93
Benzo(g,h,i)perylene
Concen: 4.138 ng/ul
RT: 26.45 min Scan# 3989
Delta R.T. 0.01 min
Lab File: BM021684.D
Acq: 27 Jul 2019 11:54

Tgt Ion:276 Resp: 218123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.0 | 13.1 | 19.7 |
| 277 | 25.3 | 19.0 | 28.6 |