Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN062119\
Data File : BN006477.D
Acq On : 21 Jun 2019 22:15
Operator : HP/JU
Sample : K3335-22
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 22 03:54:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 22:42:34 2019
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** A41Y0

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 251159 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.40 | 136 | 1141279 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.28 | 164 | 657923 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.03 | 188 | 1429423 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.25 | 240 | 1133227 | 20.00 | ng/ul | -0.01 |
| 85) Perylene-d12 | 23.48 | 264 | 1050572 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.14 | 96 | 25102 | 3.90 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.80 | 99 | 434887 | 16.26 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.96 | 67 | 318294 | 19.23 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.16 | 132 | 346482 | 17.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.33 | 113 | 302617 | 14.27 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.78 | 128 | 184015 | 20.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.50 | 143 | 193838 | 19.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 324966 | 16.99 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.55 | 131 | 426922 | 19.41 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.69 | 166 | 1169681 | 20.28 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.97 | 160 | 1303439 | 18.44 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.51 | 143 | 131593 | 13.36 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.28 | 176 | 961224 | 19.60 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 59718 | 6.60 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.13 | 188 | 1357162 | 18.86 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.45 | 212 | 1545214 | 23.34 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.34 | 264 | 1130361 | 19.05 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 6.78 | 77 | 25433 | 2.354 | ng/ul | 94 |
| 44) Dimethylphthalate | 13.74 | 163 | 1172979 | 22.066 | ng/ul | 100 |
| 49) Acenaphthene | 14.35 | 153 | 51741 | 1.159 | ng/ul | 97 |
| 53) Dibenzofuran | 14.68 | 168 | 63814 | 1.032 | ng/ul | 99 |
| 58) Fluorene | 15.33 | 166 | 66600 | 1.332 | ng/ul | 99 |
| 69) Phenanthrene | 17.08 | 178 | 876205 | 11.114 | ng/ul | 99 |
| 71) Anthracene | 17.17 | 178 | 233631 | 2.919 | ng/ul | 99 |
| 74) Carbazole | 17.45 | 167 | 81112 | 1.174 | ng/ul | 100 |
| 76) Fluoranthene | 19.10 | 202 | 1002398 | 11.797 | ng/ul | 99 |
| 79) Pyrene | 19.47 | 202 | 822176 | 10.656 | ng/ul | 98 |
| 82) Benzo(a)anthracene | 21.23 | 228 | 364992 | 4.712 | ng/ul | 99 |
| 84) Chrysene | 21.29 | 228 | 320905 | 4.353 | ng/ul | 98 |
| 87) Benzo(b)fluoranthene | 22.82 | 252 | 306555 | 4.862 | ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 22.85 | 252 | 98265m | 1.631 | ng/ul | |
| 90) Benzo(a)pyrene | 23.38 | 252 | 206687 | 3.419 | ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 112672 | 1.575 | ng/ul | 96 |
| 93) Benzo(g,h,i)perylene | 26.39 | 276 | 87437 | 1.451 | ng/ul | 98 |

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

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Misc :
ALS Vial : 12 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 22:42:34 2019
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

**Manual Integrations APPROVED**
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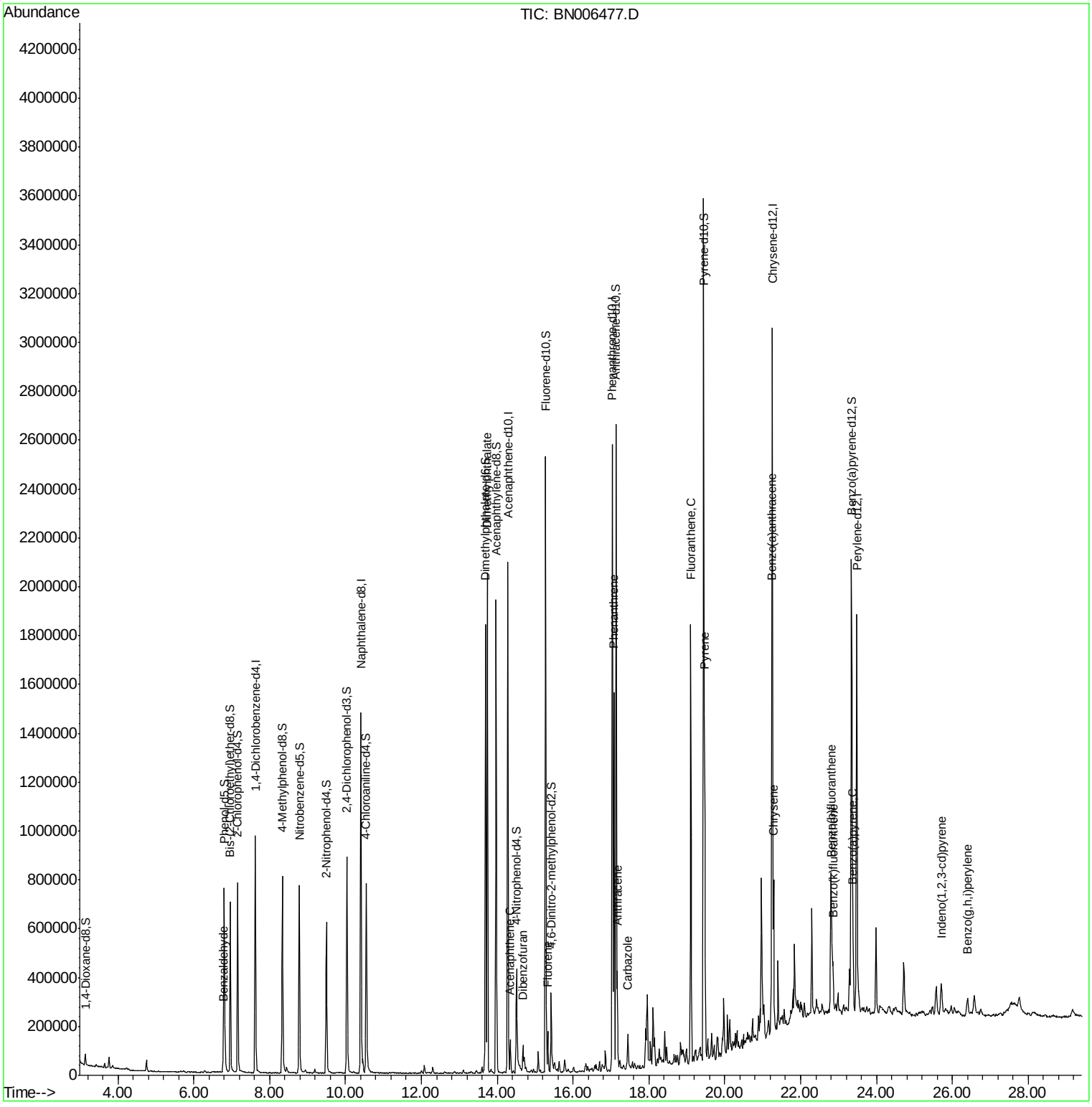
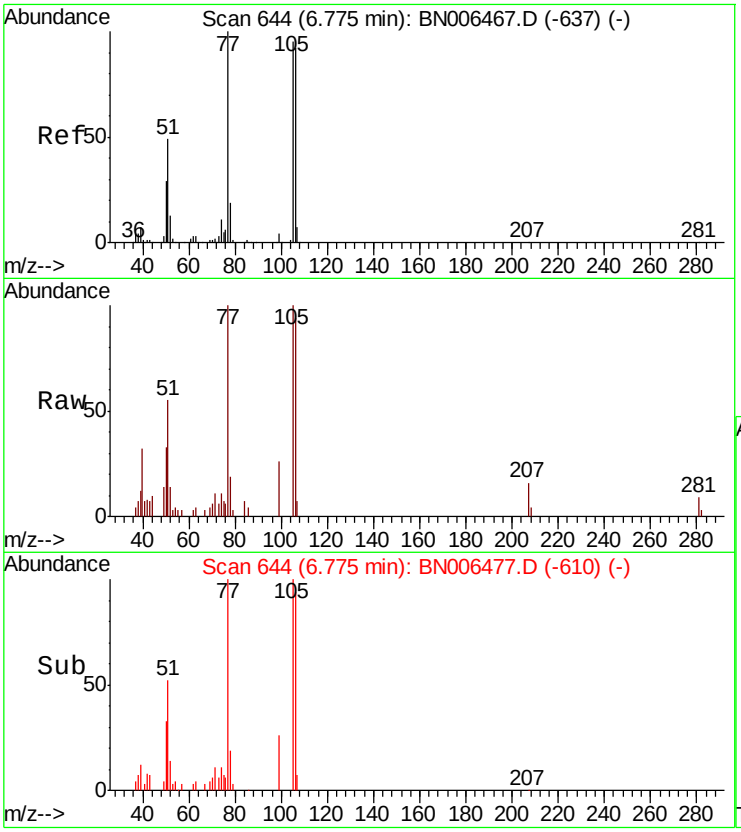
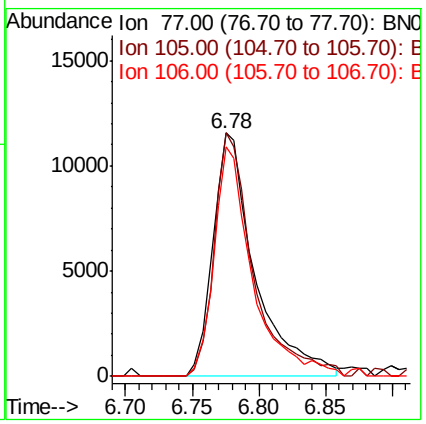





#4
Benzaldehyde
Concen: 2.354 ng/ul
RT: 6.78 min Scan# 644
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion: 77 Resp: 25433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 100.0 | 74.1 | 111.1 |
| 106 | 94.2 | 72.7 | 109.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

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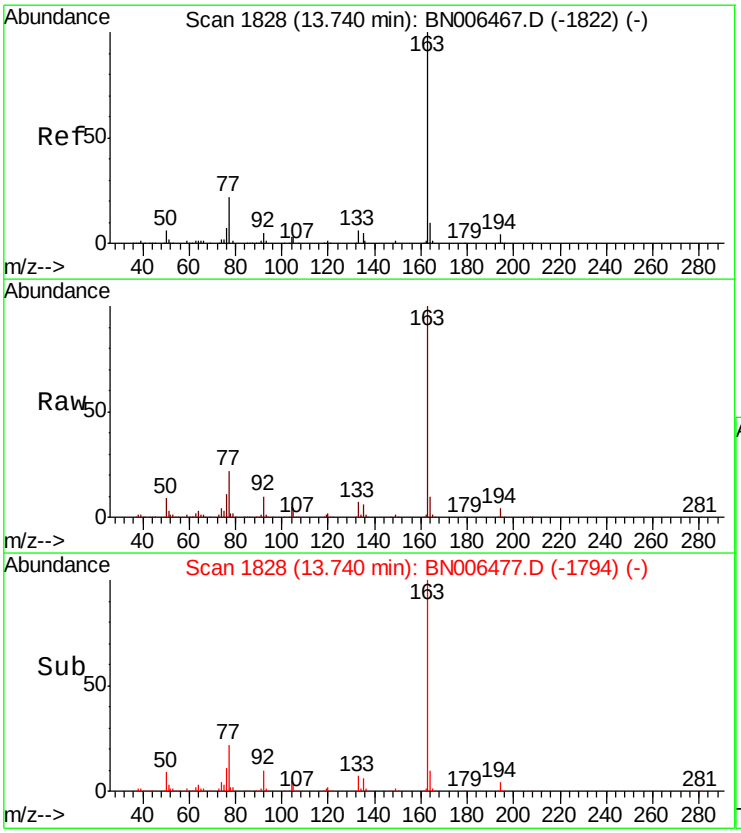
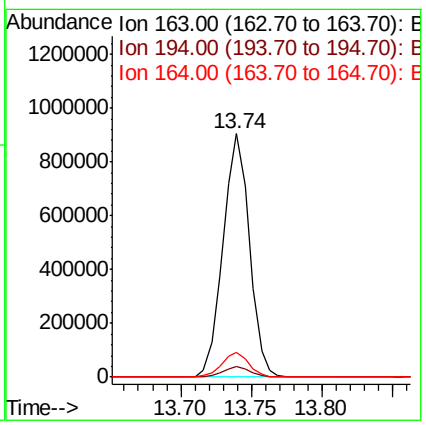
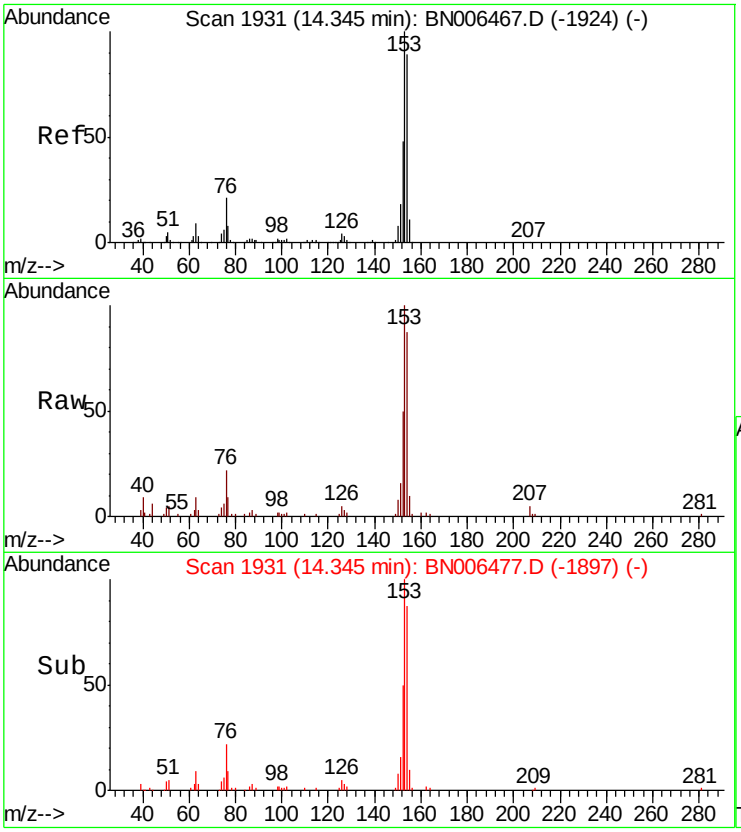



#44
Dimethylphthalate
Concen: 22.066 ng/ul
RT: 13.74 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:163 Resp: 1172979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.4 | 5.0 |
| 164 | 10.1 | 8.0 | 12.0 |

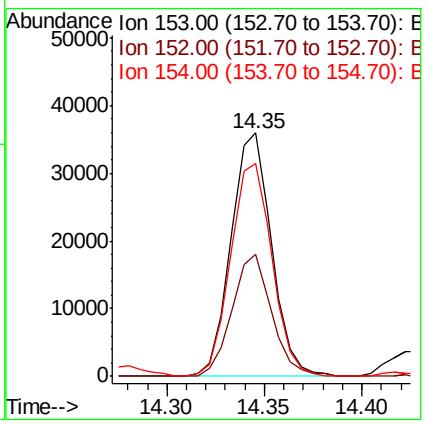





#49
Acenaphthene
Concen: 1.159 ng/ul
RT: 14.35 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:153 Resp: 51741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.0 | 37.8 | 56.6 |
| 154 | 87.4 | 71.2 | 106.8 |




**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

**Manual Integrations APPROVED**
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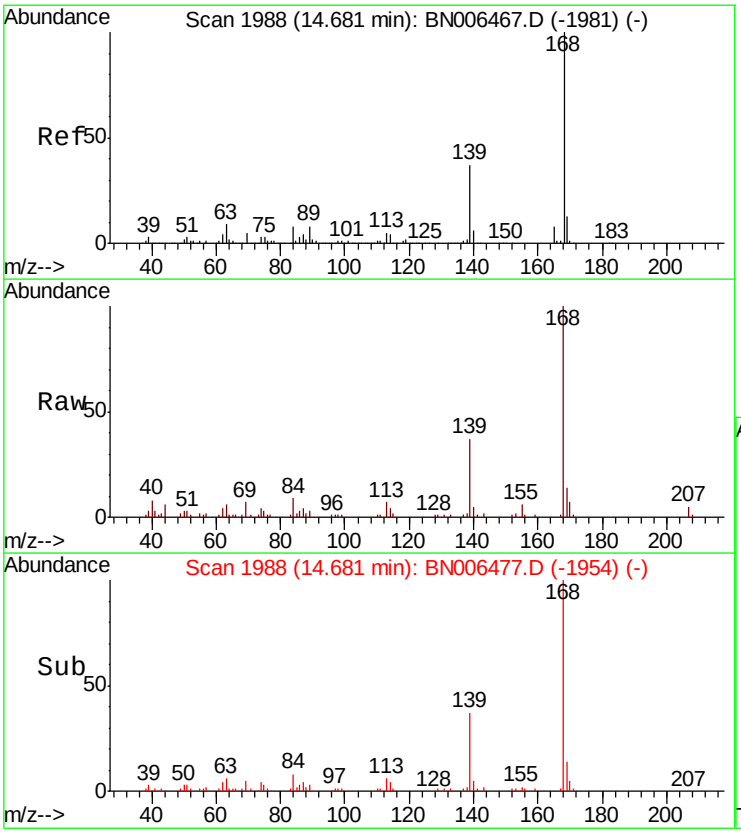
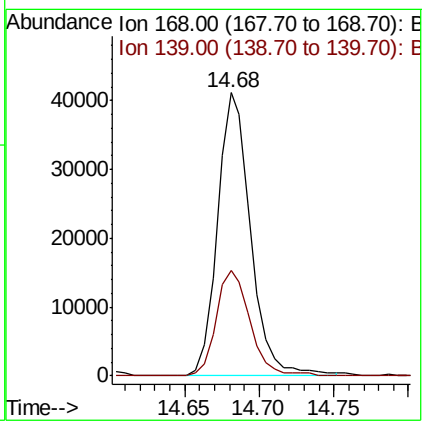
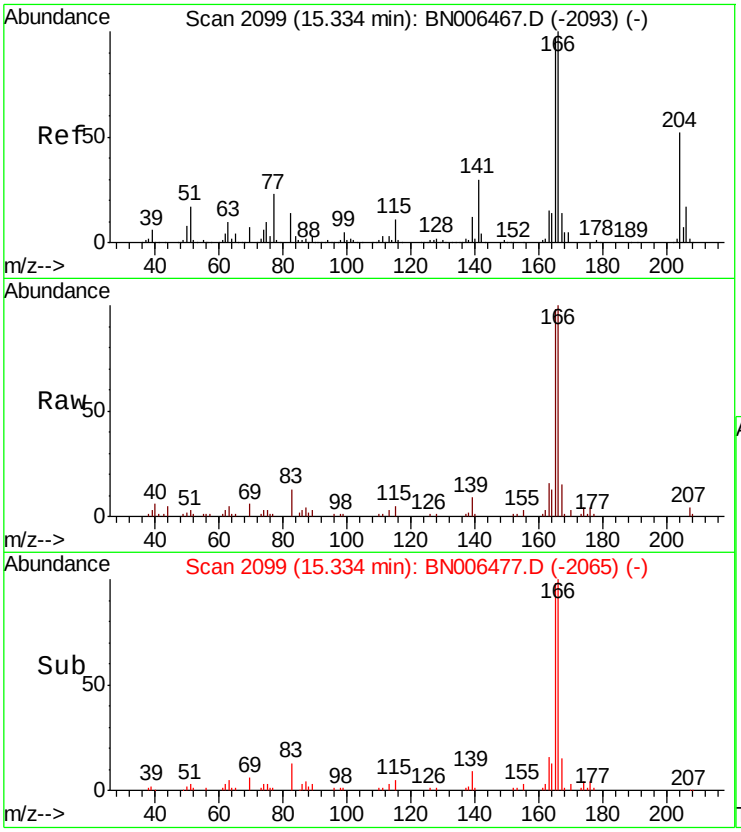



#53
Dibenzofuran
Concen: 1.032 ng/ul
RT: 14.68 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:168 Resp: 63814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.4 | 29.4 | 44.0 |






#58
Fluorene
Concen: 1.332 ng/ul
RT: 15.33 min Scan# 2099
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:166 Resp: 66600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 77.5 | 116.3 |
| 167 | 14.6 | 10.7 | 16.1 |

**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

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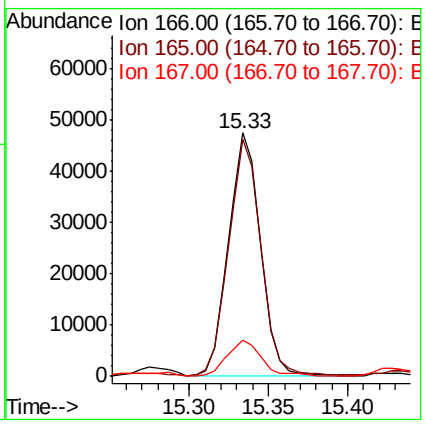
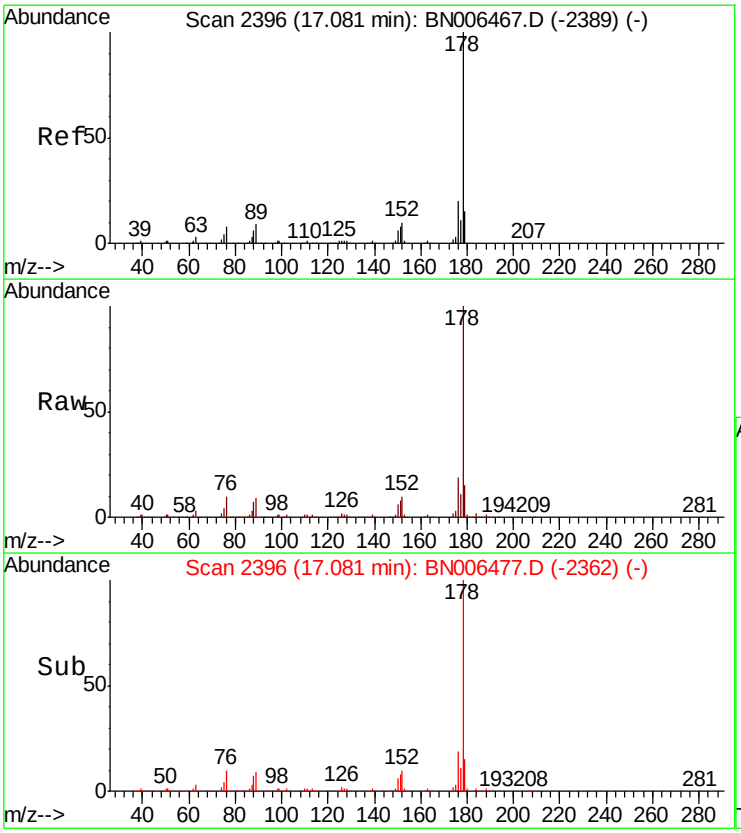
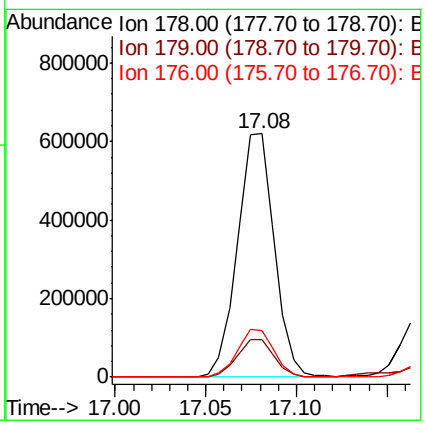


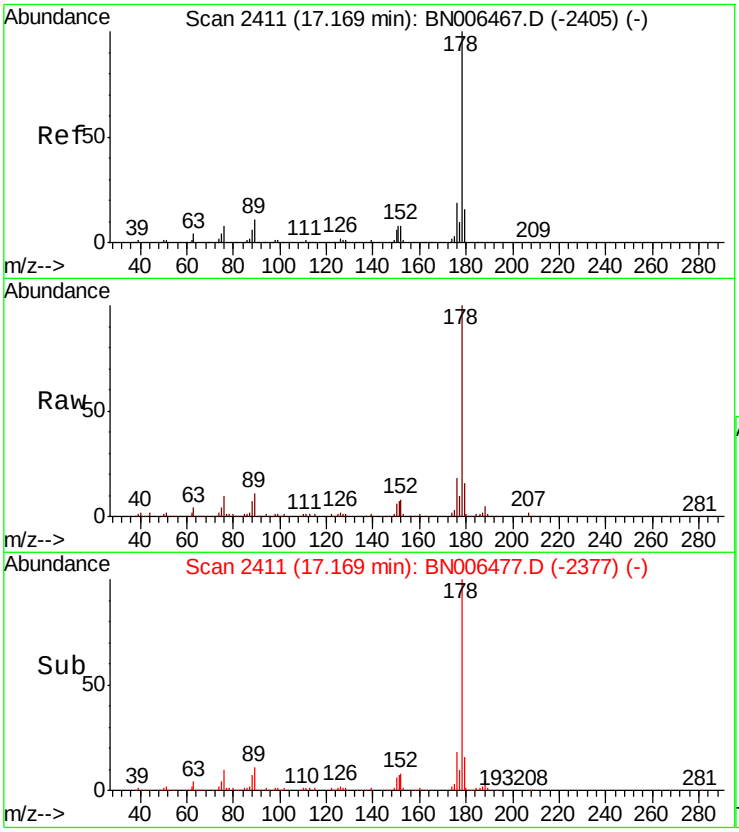




#69
Phenanthrene
Concen: 11.114 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:178 Resp: 876205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.5 | 18.7 |
| 176 | 19.0 | 15.3 | 22.9 |

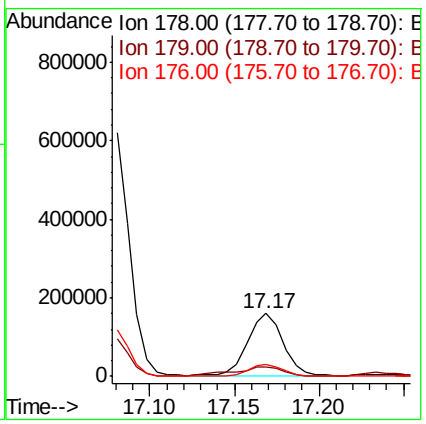





#71
Anthracene
Concen: 2.919 ng/ul
RT: 17.17 min Scan# 2411
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:178 Resp: 233631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 12.3 | 18.5 |
| 176 | 18.5 | 14.7 | 22.1 |




**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

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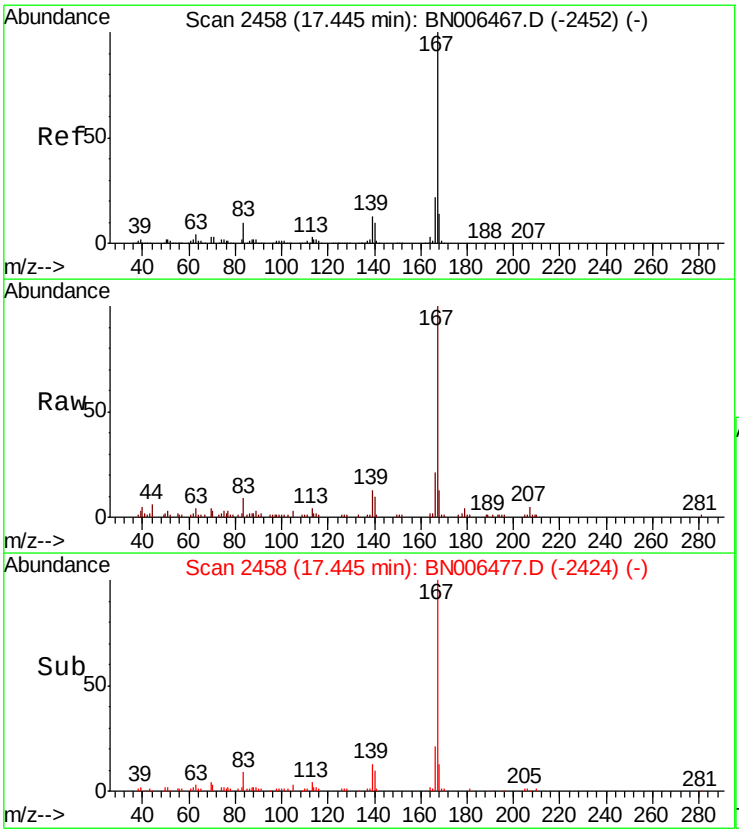
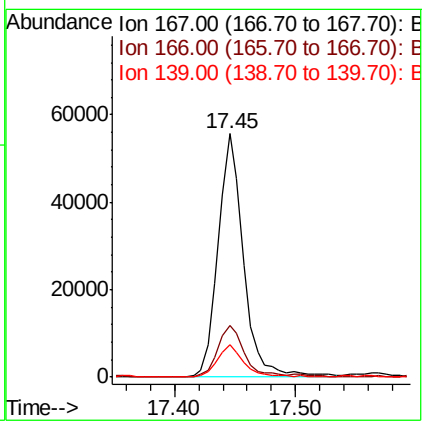
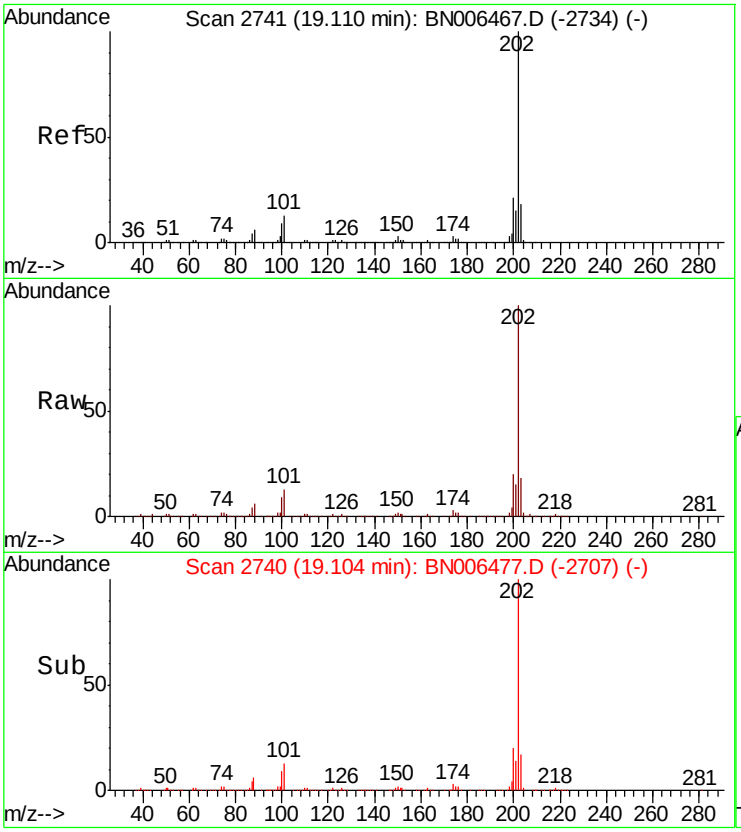



#74
Carbazole
Concen: 1.174 ng/ul
RT: 17.45 min Scan# 2458
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:167 Resp: 81112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.4 | 17.1 | 25.7 |
| 139 | 13.3 | 10.5 | 15.7 |

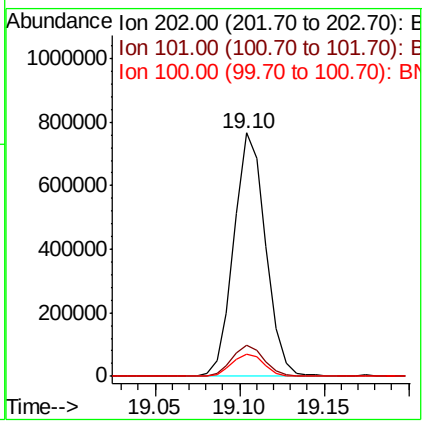





#76
Fluoranthene
Concen: 11.797 ng/ul
RT: 19.10 min Scan# 2740
Delta R.T. -0.01 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:202 Resp: 1002398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 10.5 | 15.7 |
| 100 | 9.3 | 7.6 | 11.4 |

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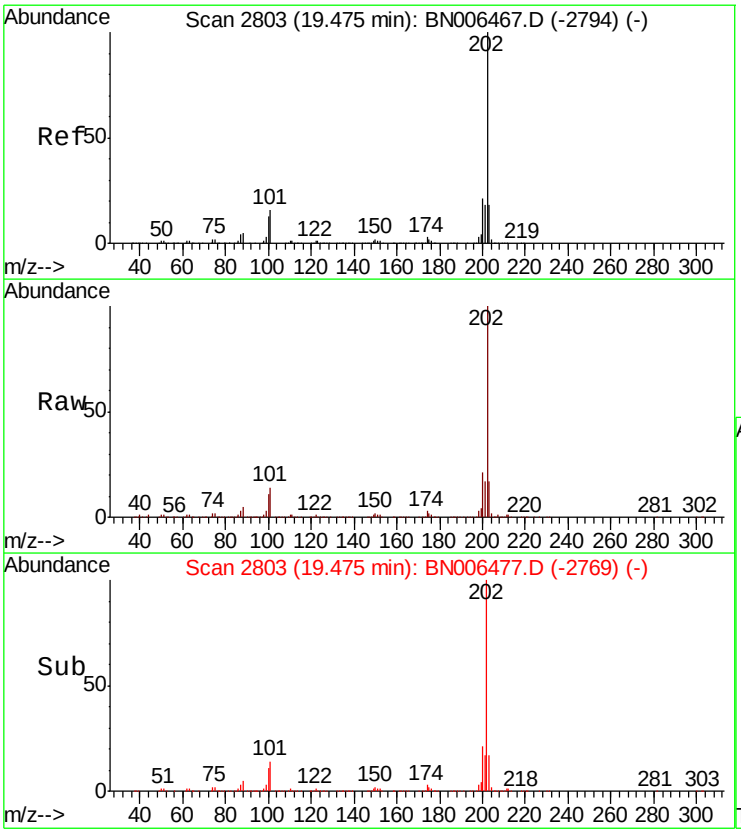
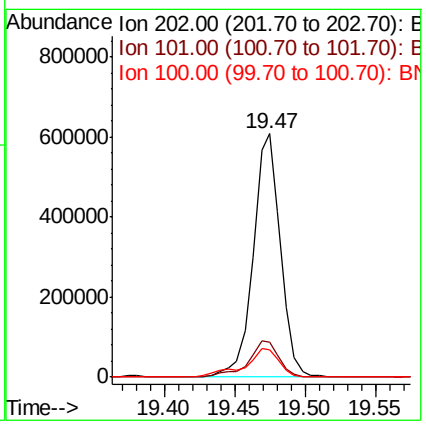
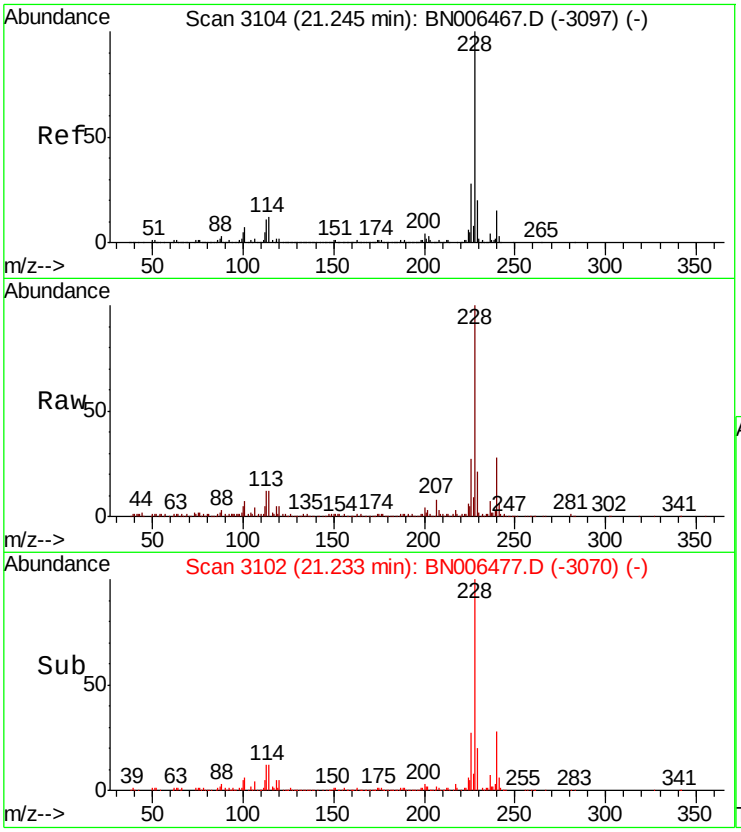



#79
Pyrene
Concen: 10.656 ng/ul
RT: 19.47 min Scan# 2803
Delta R.T. 0.00 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:202 Resp: 822176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.3 | 12.2 | 18.4 |
| 100 | 11.3 | 9.8 | 14.6 |

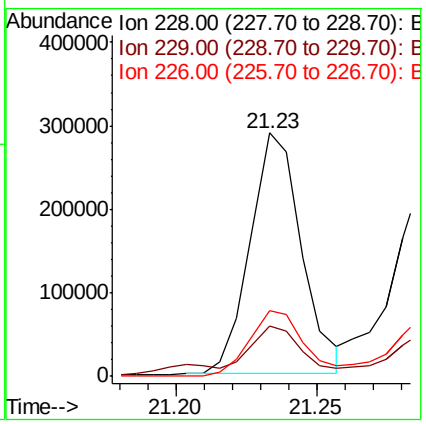





#82
Benzo(a)anthracene
Concen: 4.712 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:228 Resp: 364992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 15.6 | 23.4 |
| 226 | 26.9 | 21.5 | 32.3 |

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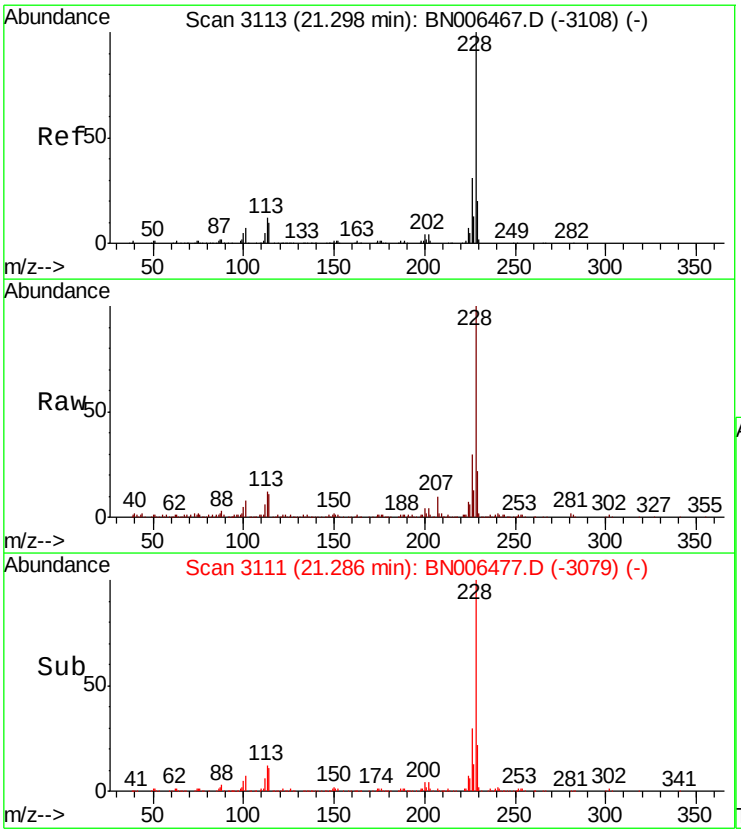
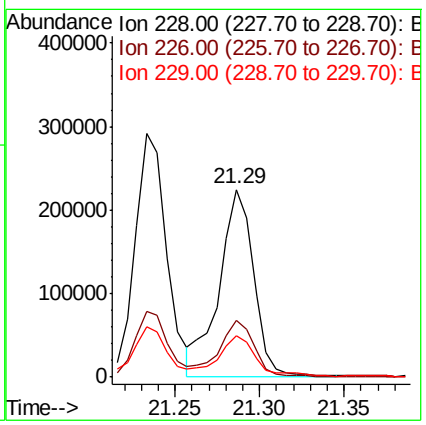
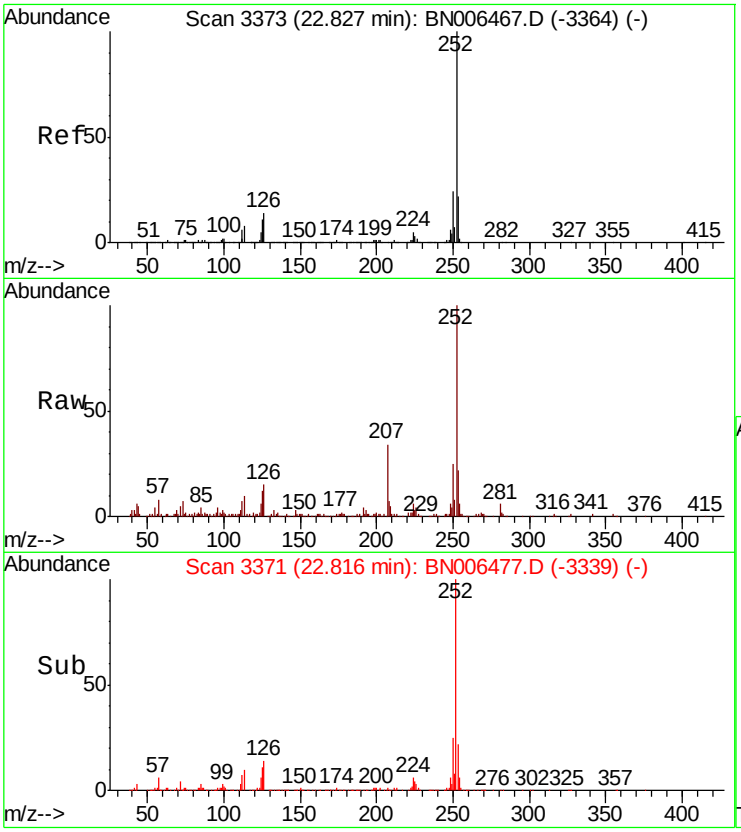



#84
Chrysene
Concen: 4.353 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:228 Resp: 320905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 24.2 | 36.2 |
| 229 | 22.3 | 15.9 | 23.9 |

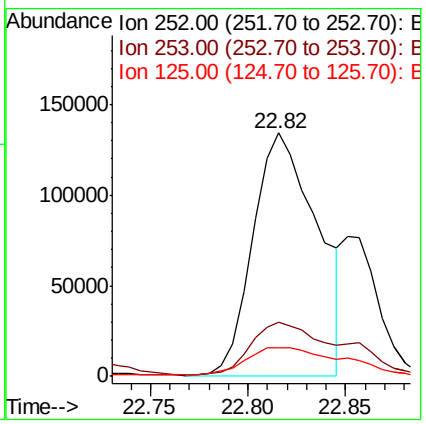





#87
Benzo(b)fluoranthene
Concen: 4.862 ng/ul
RT: 22.82 min Scan# 3371
Delta R.T. -0.01 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:252 Resp: 306555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.7 | 26.5 |
| 125 | 11.8 | 9.0 | 13.6 |




**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

**Manual Integrations APPROVED**
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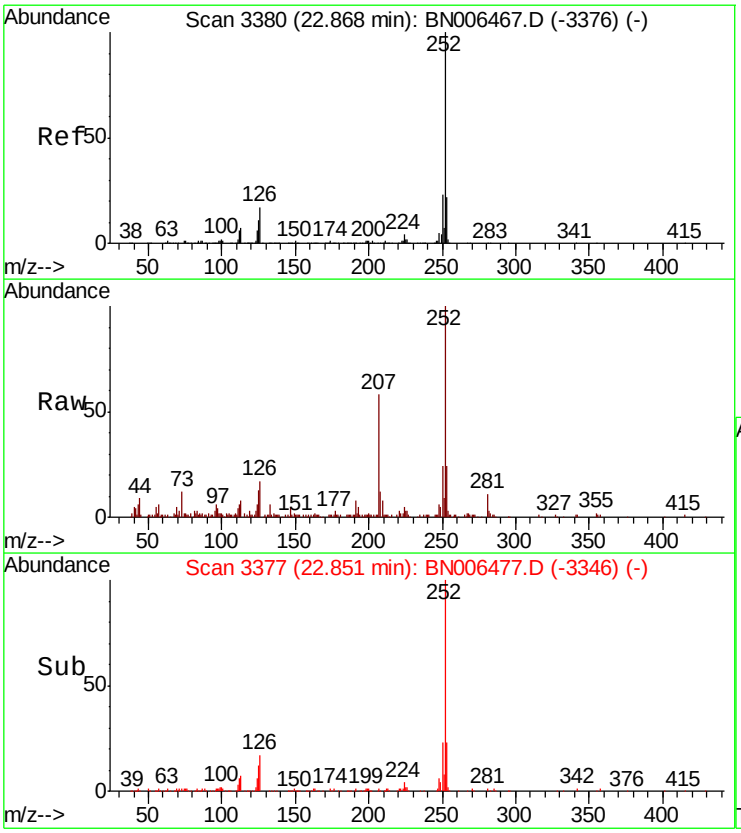
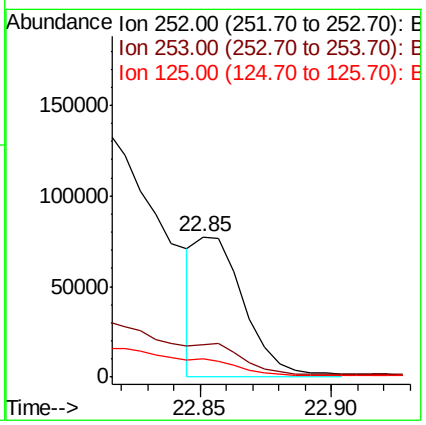
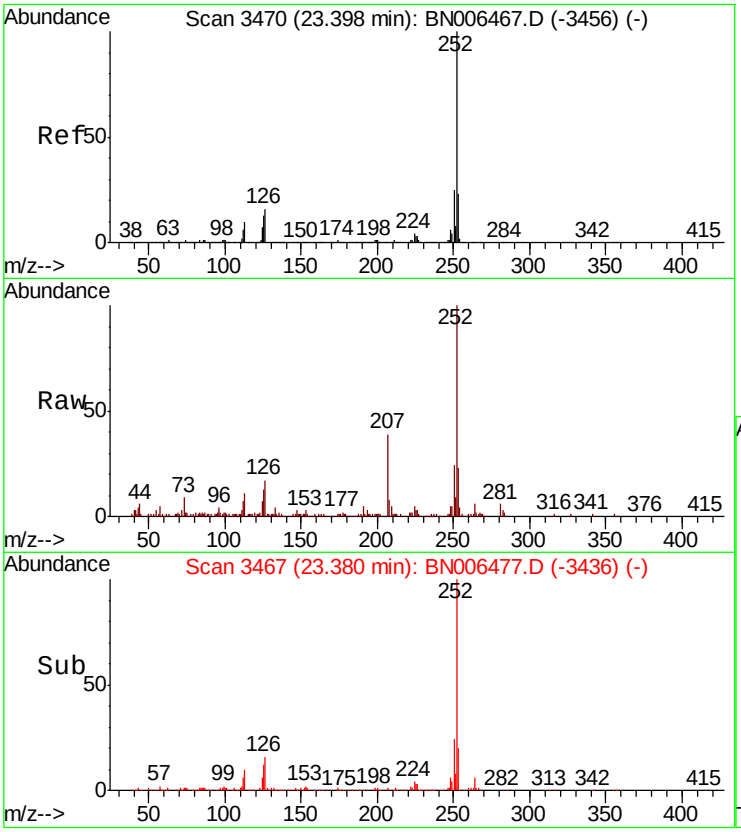



#88
Benzo(k)fluoranthene
Concen: 1.631 ng/ul m
RT: 22.85 min Scan# 3377
Delta R.T. -0.02 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:252 Resp: 98265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 17.4 | 26.0 |
| 125 | 13.4 | 9.1 | 13.7 |

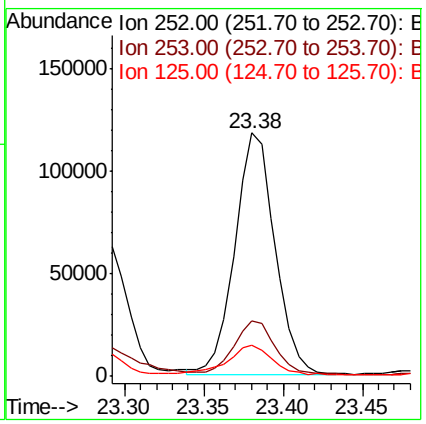





#90
Benzo(a)pyrene
Concen: 3.419 ng/ul
RT: 23.38 min Scan# 3467
Delta R.T. -0.02 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:252 Resp: 206687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.7 | 26.5 |
| 125 | 12.6 | 10.0 | 15.0 |




**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

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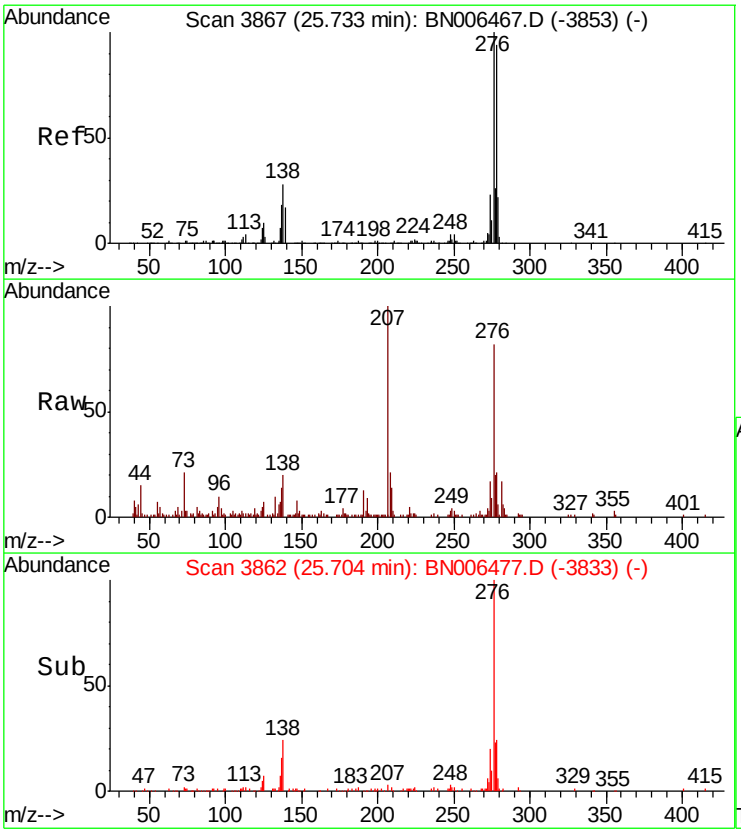
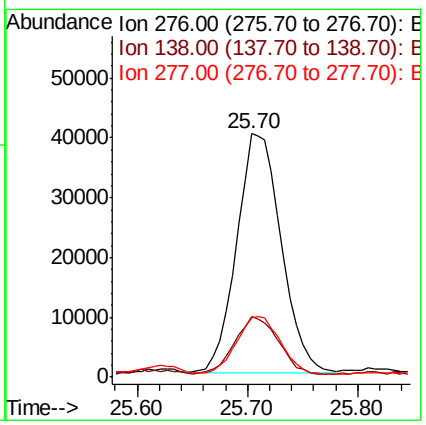
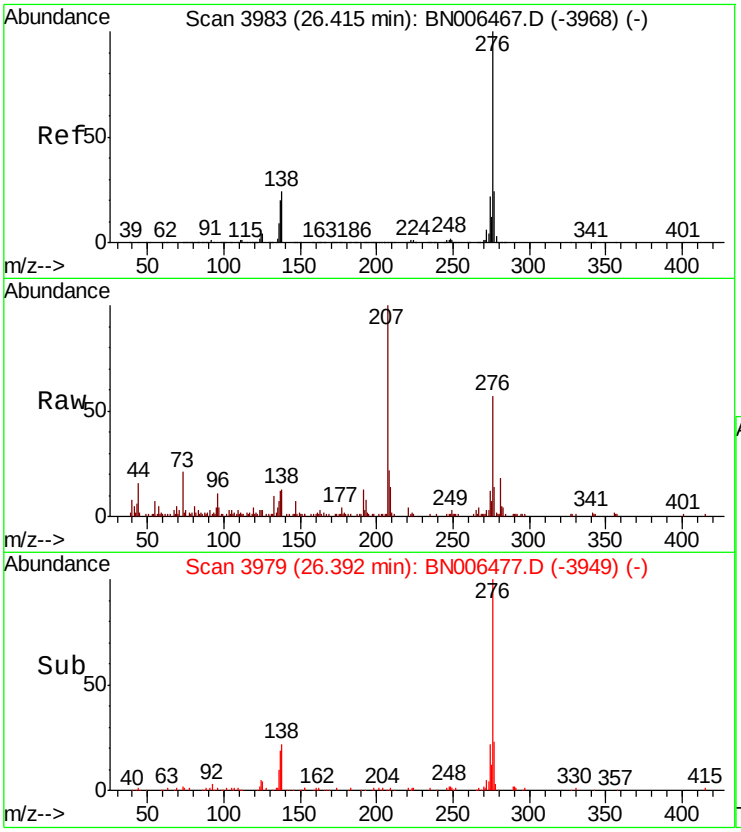



#91
Indeno(1,2,3-cd)pyrene
Concen: 1.575 ng/ul
RT: 25.70 min Scan# 3862
Delta R.T. -0.03 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:276 Resp: 112672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.7 | 22.2 | 33.4 |
| 277 | 24.3 | 20.2 | 30.4 |

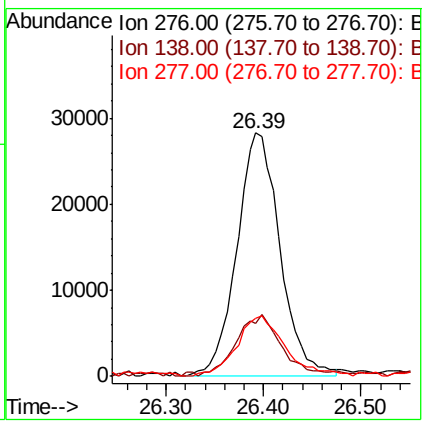





#93
Benzo(g,h,i)perylene
Concen: 1.451 ng/ul
RT: 26.39 min Scan# 3979
Delta R.T. -0.02 min
Lab File: BN006477.D
Acq: 21 Jun 2019 22:15

Tgt Ion:276 Resp: 87437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.8 | 19.1 | 28.7 |
| 277 | 23.9 | 19.4 | 29.0 |




**Instrument :**
BNA_N
**ClientSampleId :**
A41Y0

**Manual Integrations APPROVED**
mohammad
6/25/2019 8:35:24 AM