Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110227.D
Acq On : 26 Oct 2018 23:13
Operator : JU/SJ
Sample : J5675-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-5

Manual Integrations APPROVED
Sohil
10/29/2018 11:56:49 AM

Quant Time: Oct 27 00:55:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 126109 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.25 | 136 | 478692 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 10.01 | 164 | 186467 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.50 | 188 | 286482 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 14.16 | 240 | 197700 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.69 | 264 | 133458 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 727481 | 93.94 | ng | | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 904816 | 91.35 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 531312 | 65.83 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.80 | 330 | 143635 | 77.76 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.33 | 172 | 832043 | 70.07 | ng | | -0.01 |
| 79) Terphenyl-d14 | 13.09 | 244 | 585129 | 61.55 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.60 | 94 | 65691 | 6.204 | ng | # | 64 |
| 50) Dimethylphthalate | 9.72 | 163 | 154890 | 11.253 | ng | | 99 |
| 75) Fluoranthene | 12.72 | 202 | 54913 | 3.610 | ng | | 97 |
| 78) Pyrene | 12.95 | 202 | 54549 | 3.849 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.14 | 228 | 36513 | 3.114 | ng | # | 83 |
| 83) Chrysene | 14.18 | 228 | 33109 | 2.973 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 29274 | 3.169 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.23 | 252 | 45979m | 5.966 | ng | | |
| 90) Benzo(a)pyrene | 15.62 | 252 | 32183 | 4.538 | ng | # | 79 |
| 92) Benzo(g,h,i)perylene | 17.74 | 276 | 28675 | 4.756 | ng | # | 83 |

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

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**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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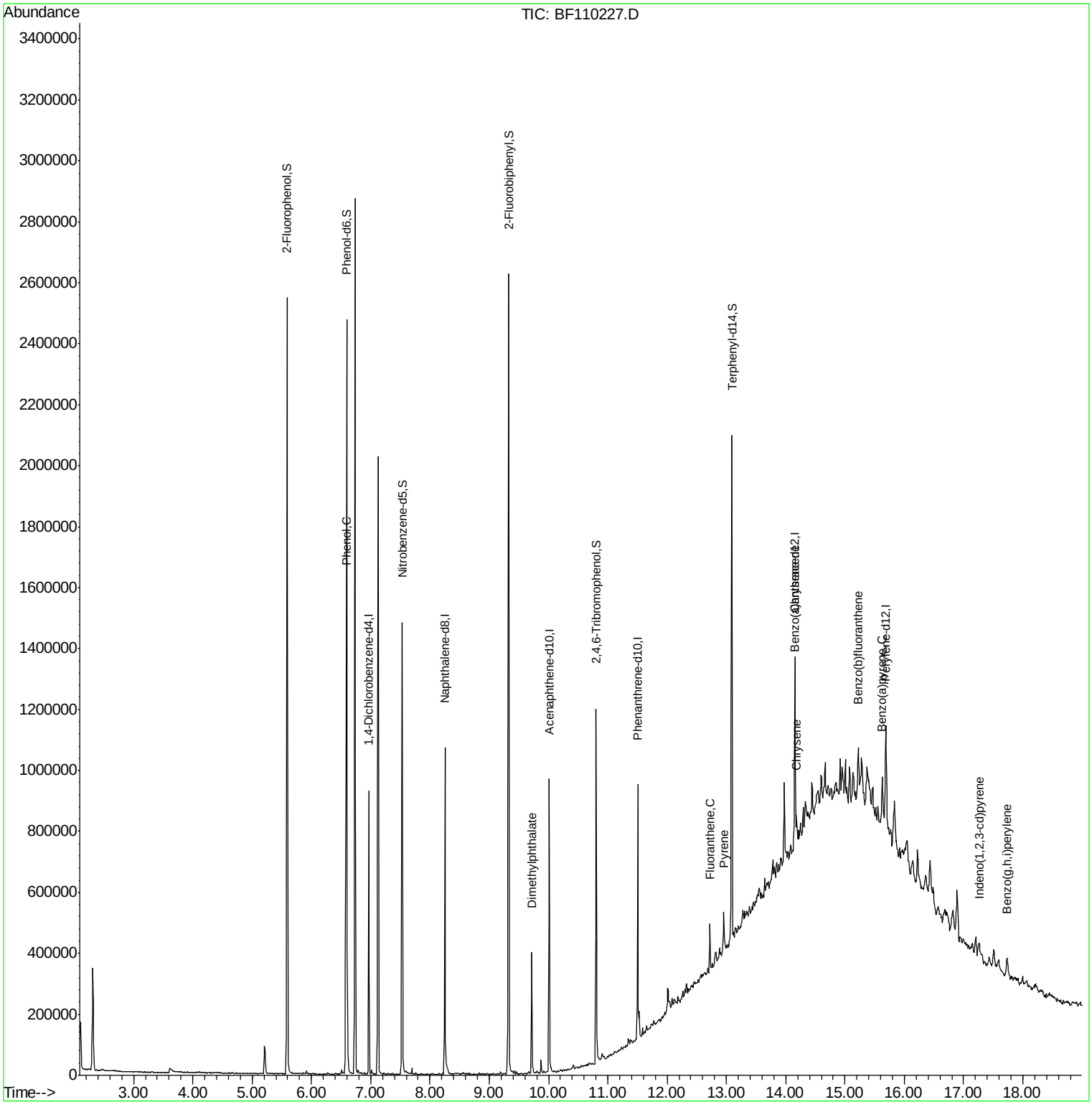
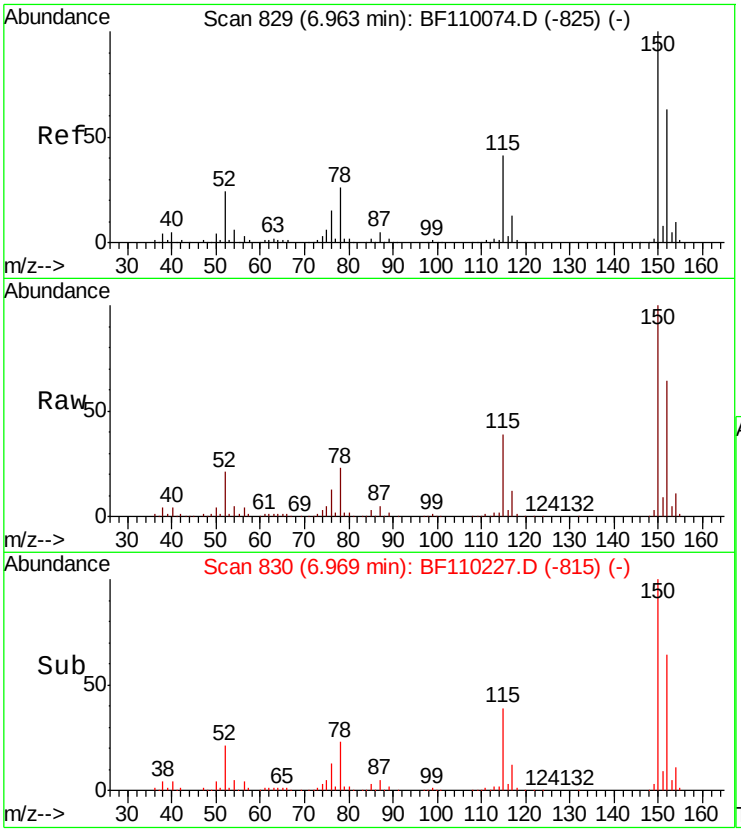
10/29/2018 11:56:49 AM

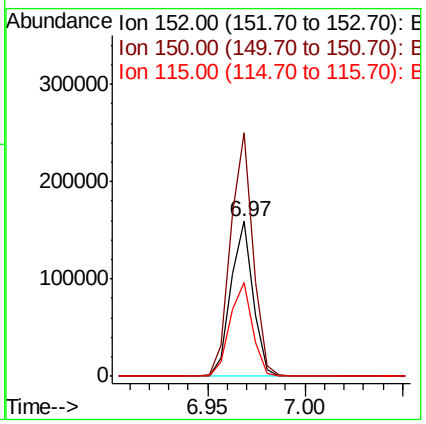





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:152 Resp: 126109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 122.7 | 184.1 |
| 115 | 60.9 | 49.1 | 73.7 |




**Instrument :**
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**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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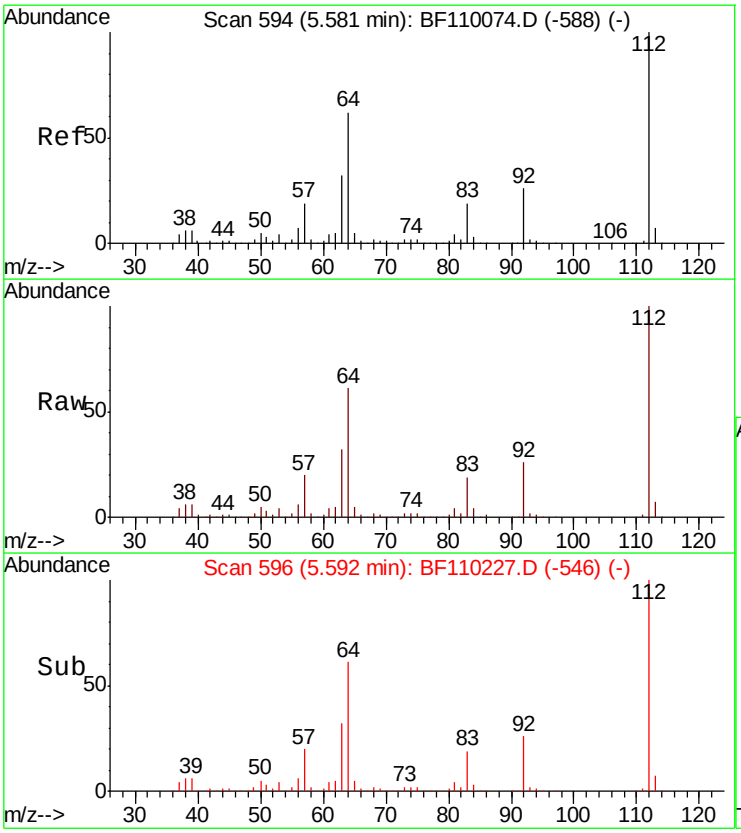
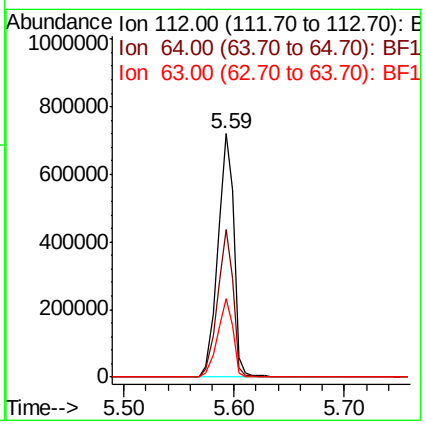
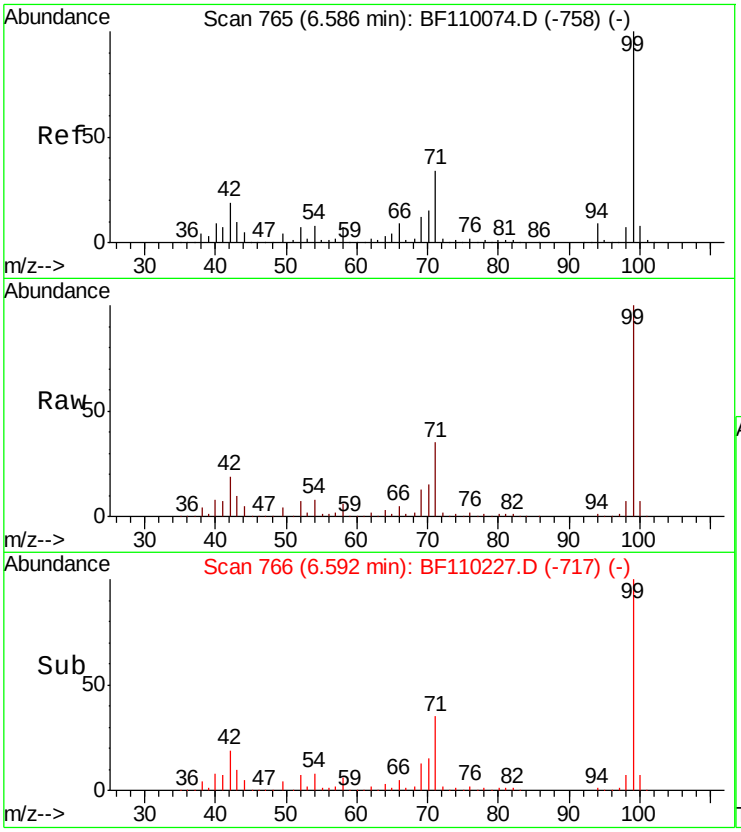



#5
2-Fluorophenol
Concen: 93.940 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:112 Resp: 727481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.6 | 44.1 | 66.1 |
| 63 | 32.5 | 23.7 | 35.5 |

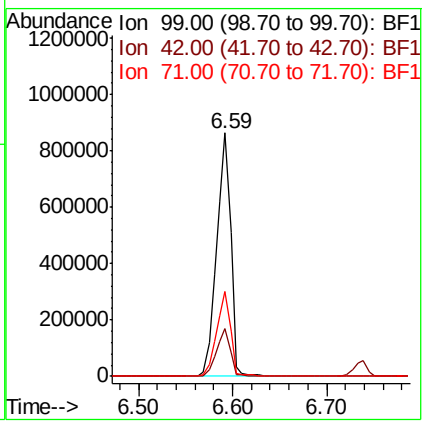





#7
Phenol-d6
Concen: 91.347 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion: 99 Resp: 904816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 15.8 | 23.6 |
| 71 | 34.9 | 28.0 | 42.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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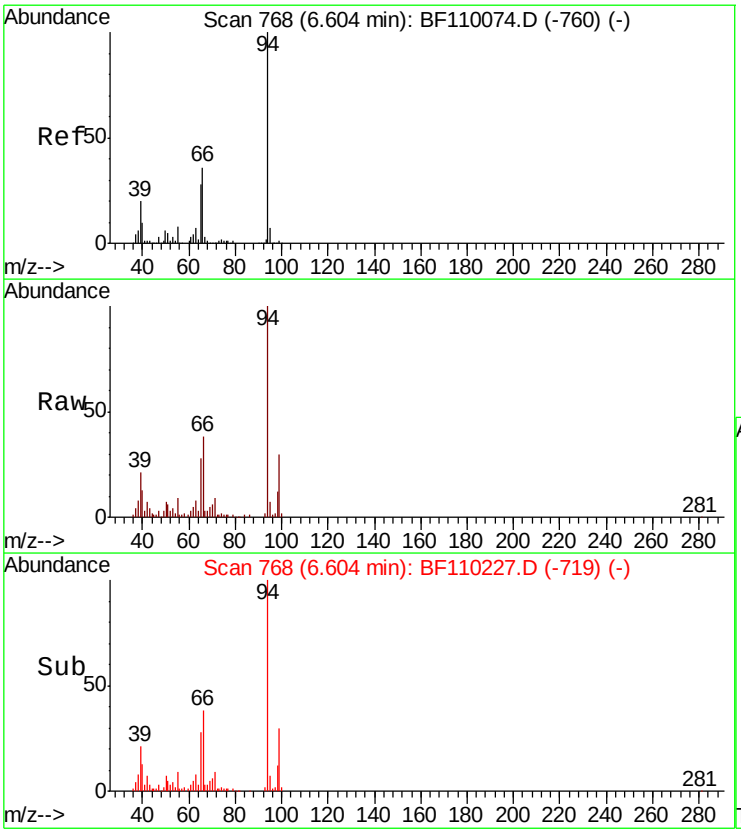
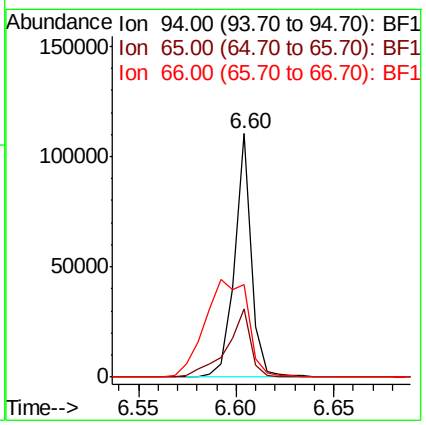
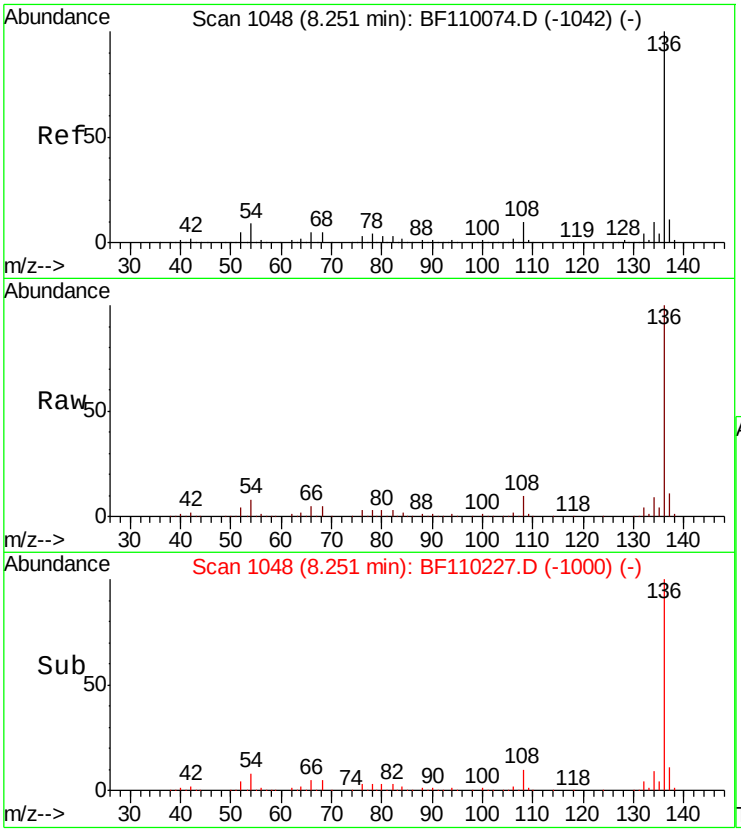



#10
Phenol
Concen: 6.204 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion: 94 Resp: 65691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 28.3 | 25.3 | 65.3 |
| 66 | 38.2 | 54.5 | 94.5# |

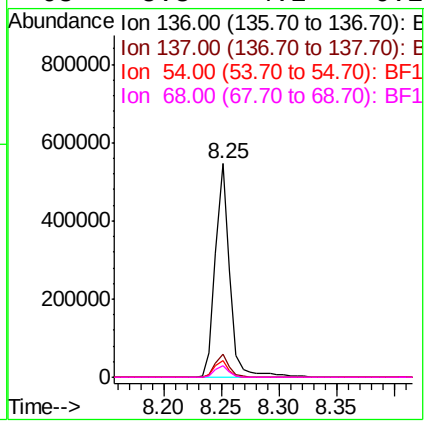





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:136 Resp: 478692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.8 | 13.2 |
| 54 | 7.8 | 5.4 | 8.2 |
| 68 | 5.3 | 4.2 | 6.2 |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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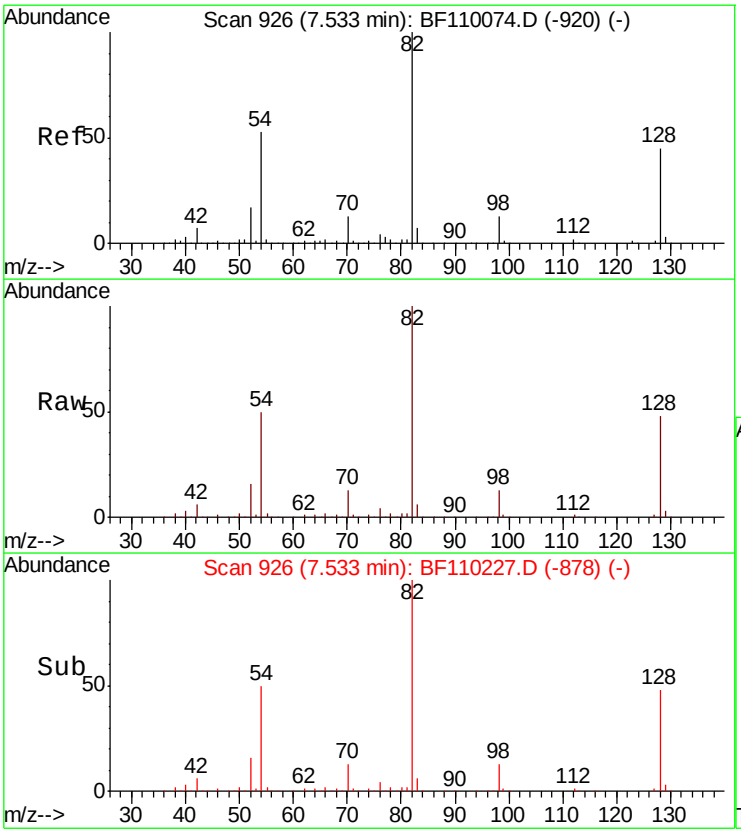
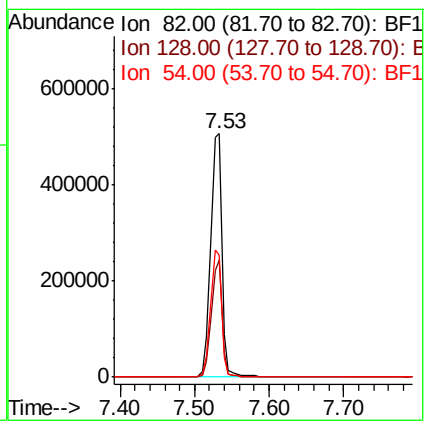
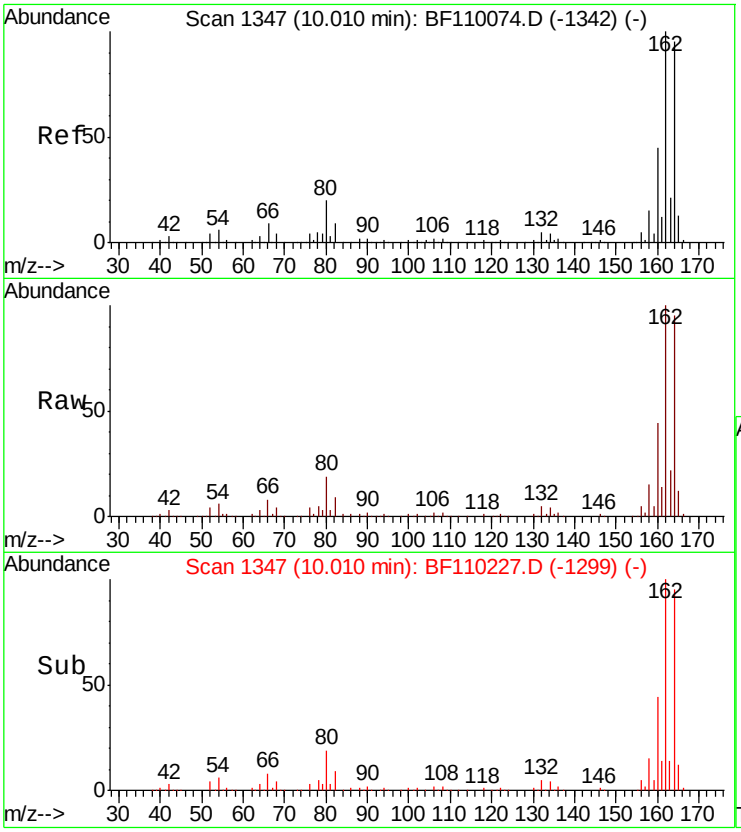



#23
Nitrobenzene-d5
Concen: 65.833 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion: 82 Resp: 531312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.1 | 34.2 | 51.2 |
| 54 | 50.3 | 38.6 | 58.0 |

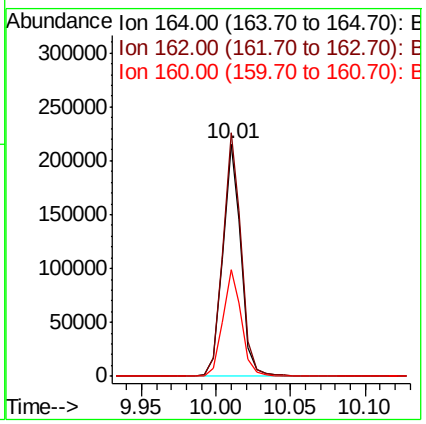





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:164 Resp: 186467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.7 | 83.0 | 124.6 |
| 160 | 45.9 | 37.0 | 55.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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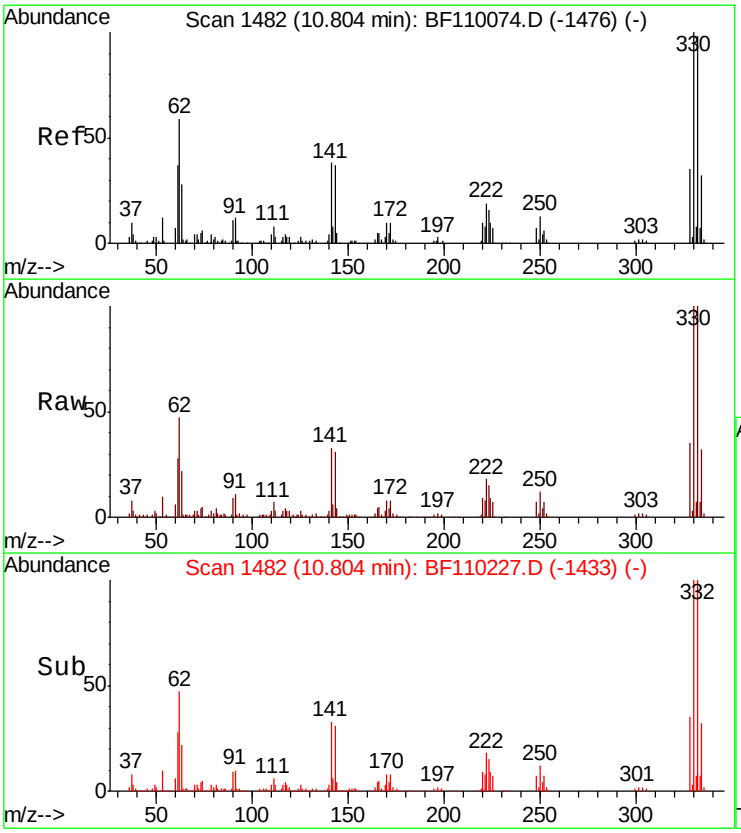
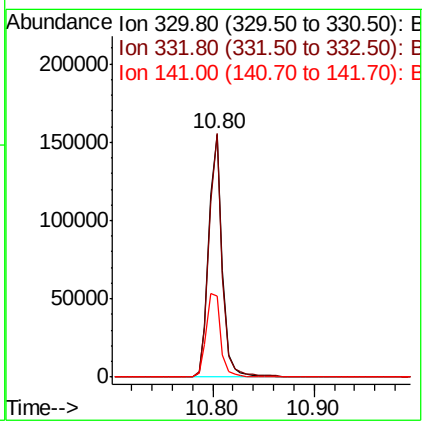
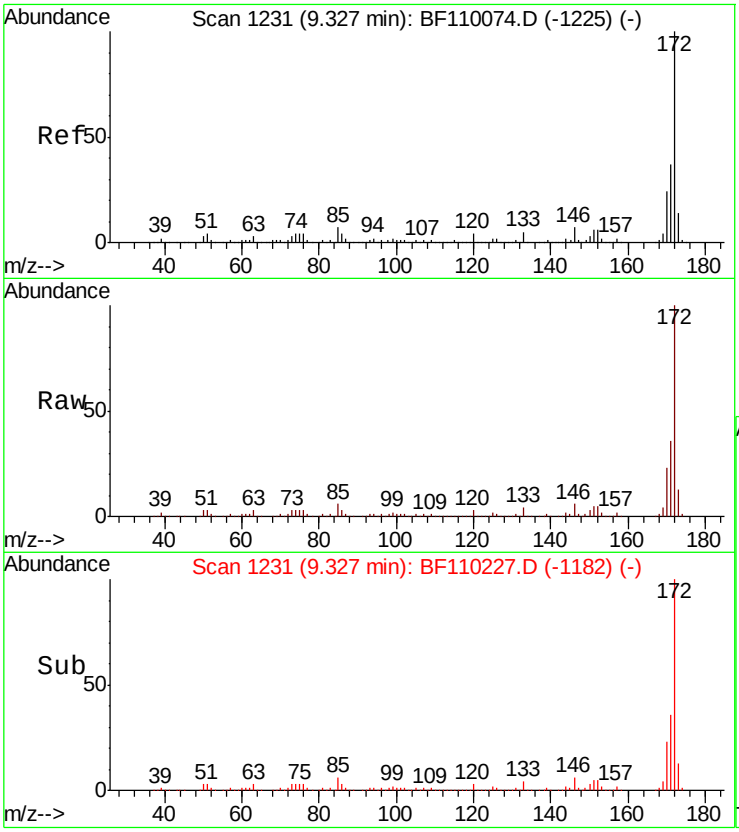



#42
2,4,6-Tribromophenol
Concen: 77.763 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:330 Resp: 143635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.5 | 77.1 | 115.7 |
| 141 | 37.7 | 27.0 | 40.4 |

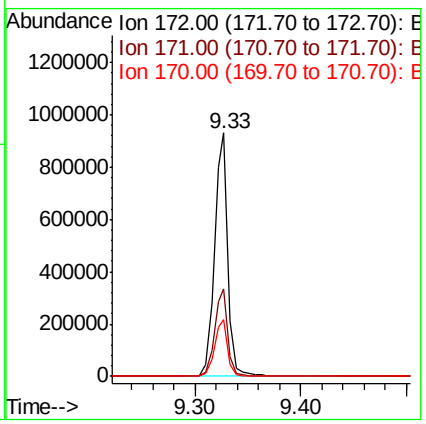





#45
2-Fluorobiphenyl
Concen: 70.067 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:172 Resp: 832043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.7 | 28.6 | 43.0 |
| 170 | 23.5 | 19.7 | 29.5 |

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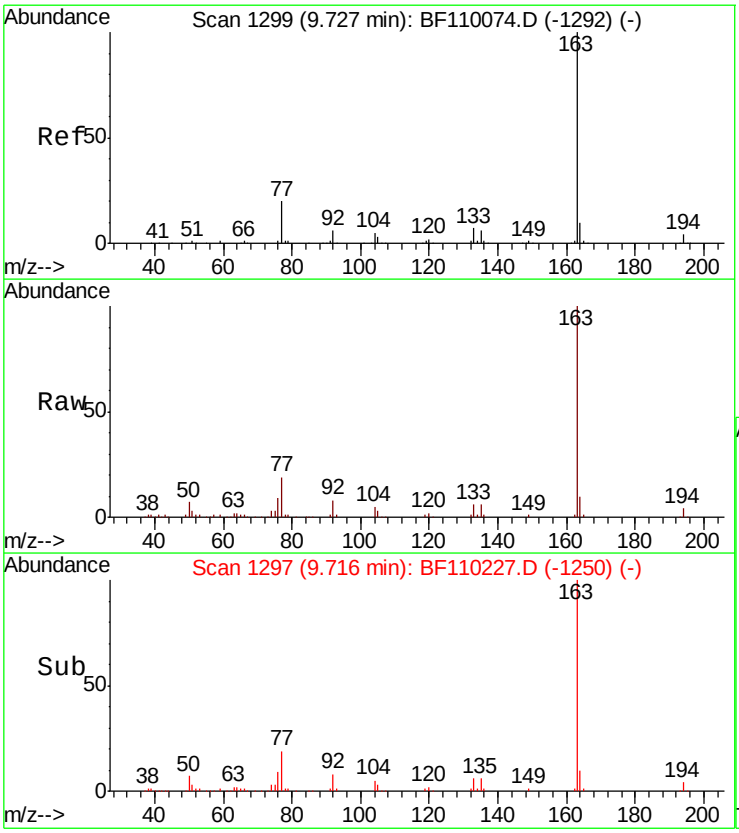
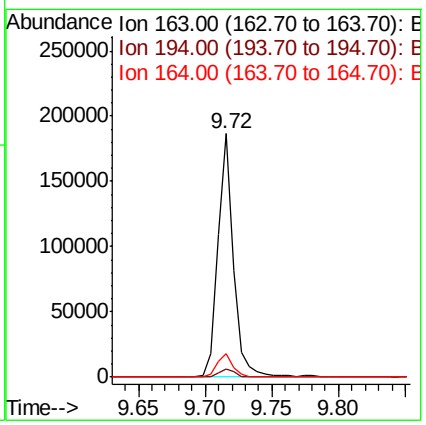
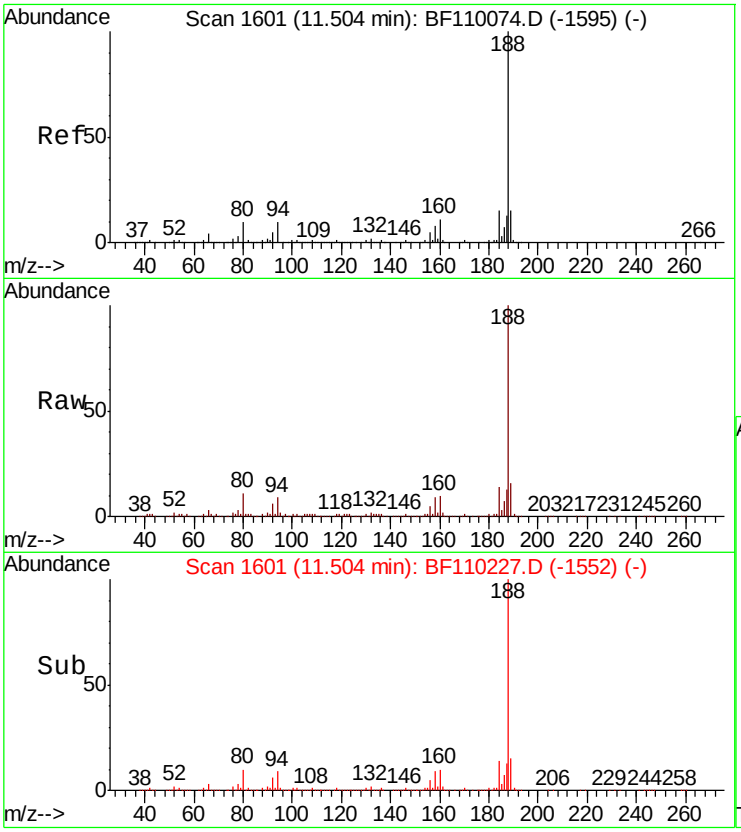



#50
Dimethylphthalate
Concen: 11.253 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:163 Resp: 154890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.2 | 4.8 |
| 164 | 9.7 | 8.1 | 12.1 |

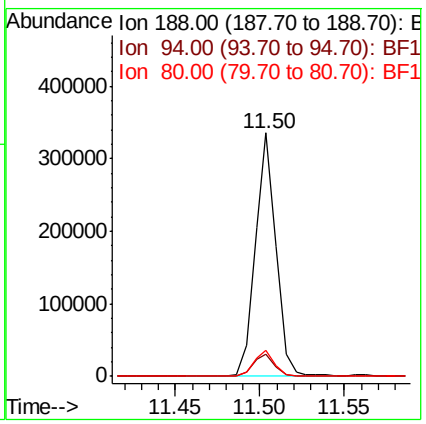





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:188 Resp: 286482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.0 | 7.2 | 10.8 |
| 80 | 10.5 | 7.9 | 11.9 |

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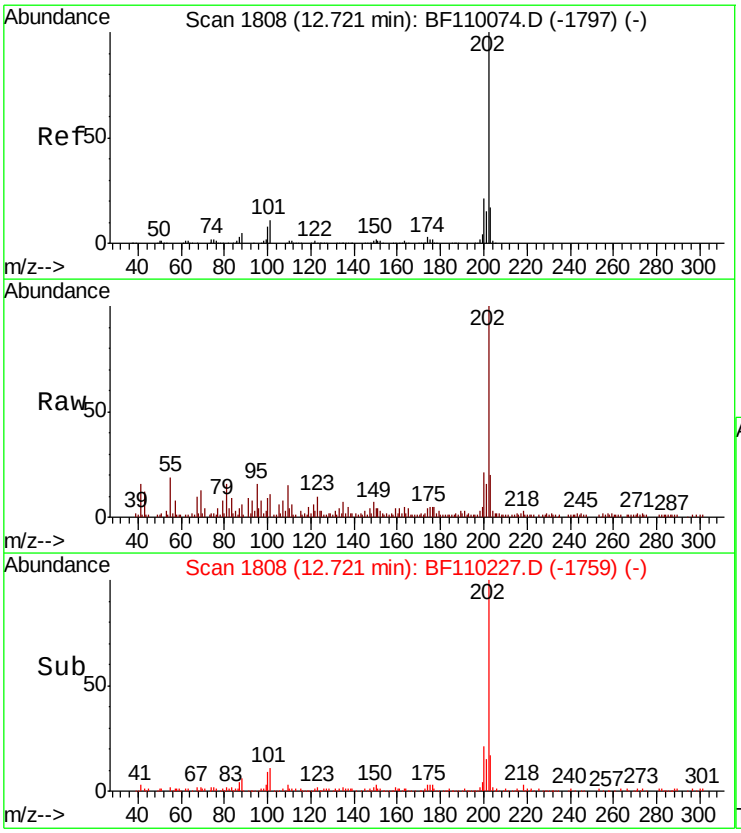
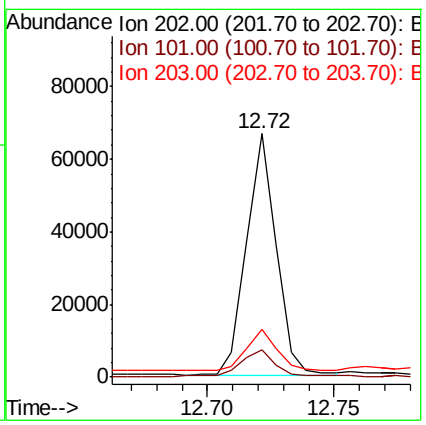
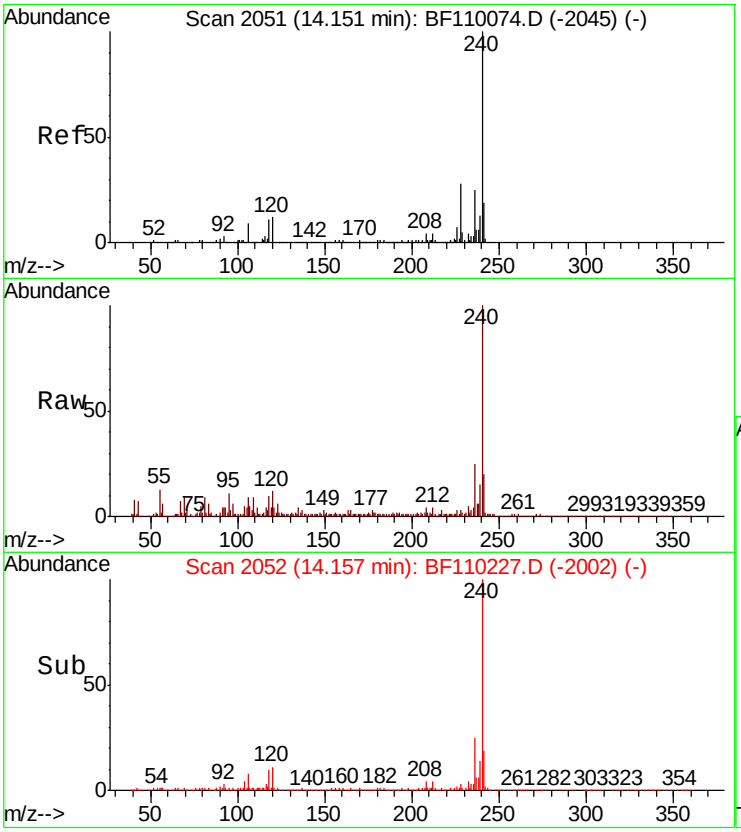



#75
Fluoranthene
Concen: 3.610 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:202 Resp: 54913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 0.0 | 31.4 |
| 203 | 19.6 | 0.0 | 37.7 |

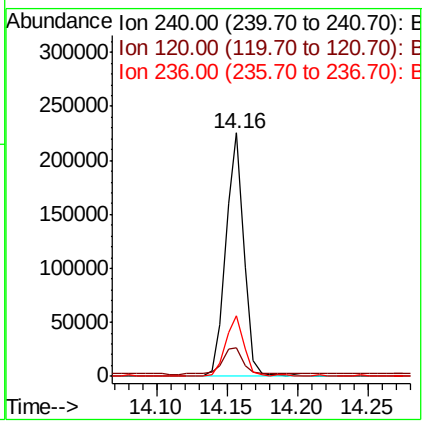





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:240 Resp: 197700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.8 | 8.3 | 12.5 |
| 236 | 25.1 | 21.2 | 31.8 |

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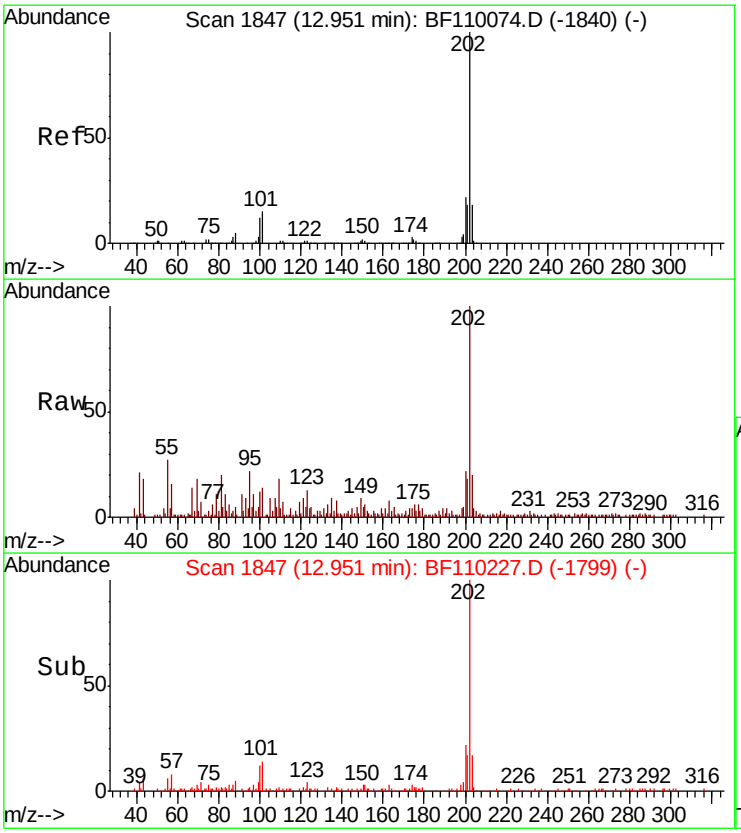
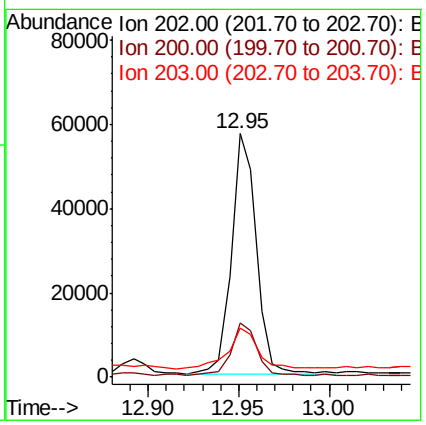
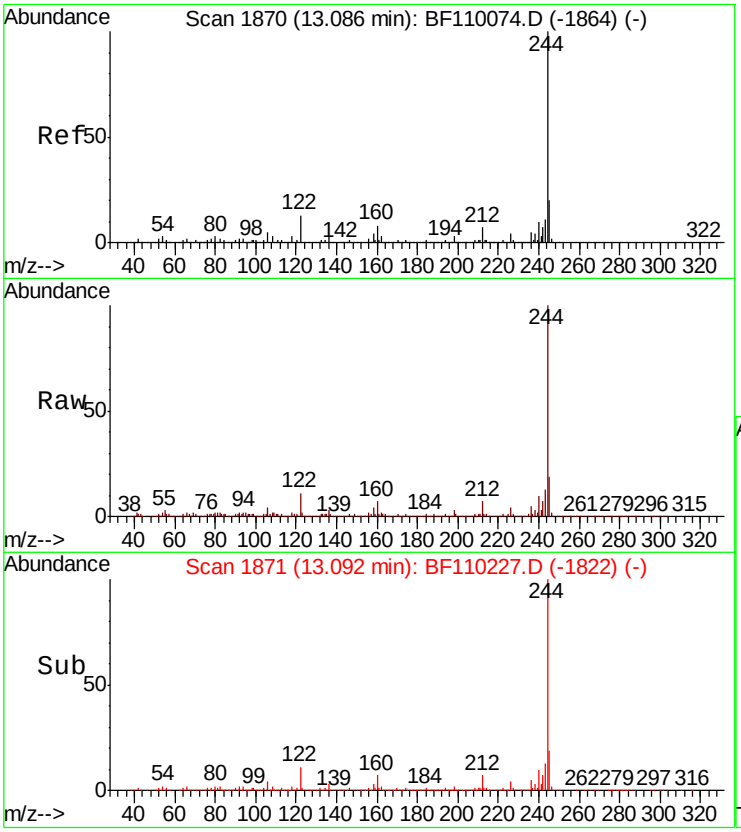



#78
Pyrene
Concen: 3.849 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:202 Resp: 54549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.0 | 17.8 | 26.6 |
| 203 | 20.0 | 14.2 | 21.4 |

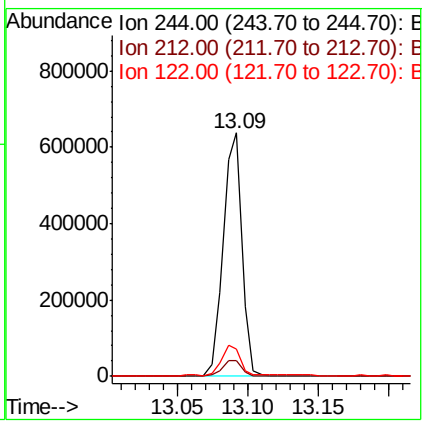





#79
Terphenyl-d14
Concen: 61.553 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

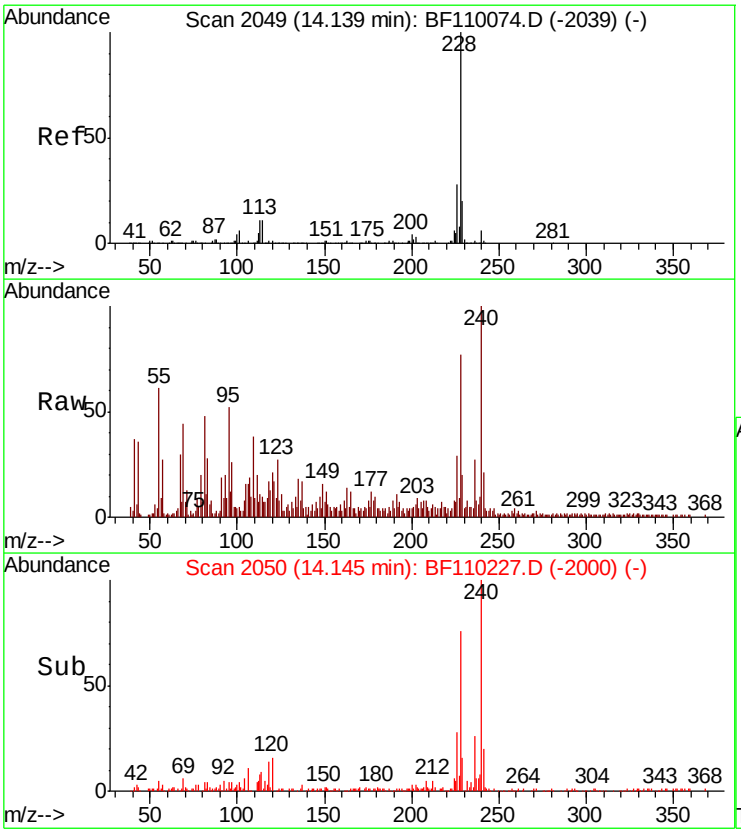
Tgt Ion:244 Resp: 585129

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.8 | 8.8 |
| 122 | 11.0 | 8.7 | 13.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

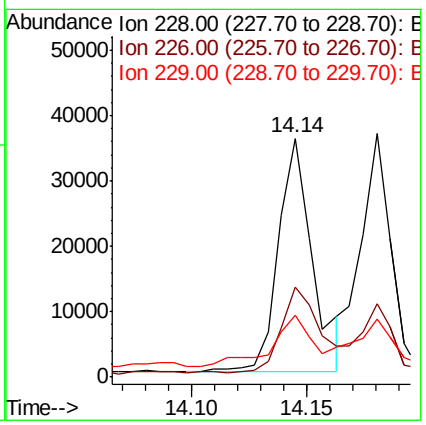
**Manual Integrations APPROVED**
Sohil
10/29/2018 11:56:49 AM

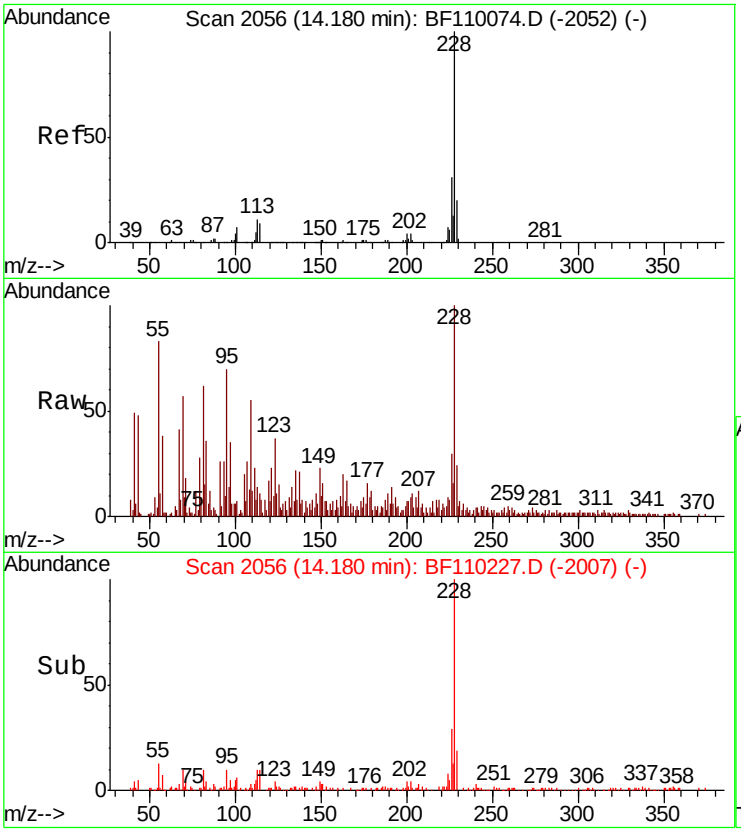



#81
Benzo(a)anthracene
Concen: 3.114 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:228 Resp: 36513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.6 | 22.1 | 33.1# |
| 229 | 25.9 | 15.6 | 23.4# |

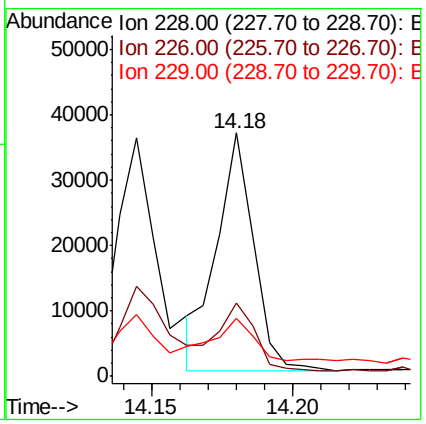





#83
Chrysene
Concen: 2.973 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:228 Resp: 33109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.7 | 37.1 |
| 229 | 23.9 | 15.9 | 23.9 |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

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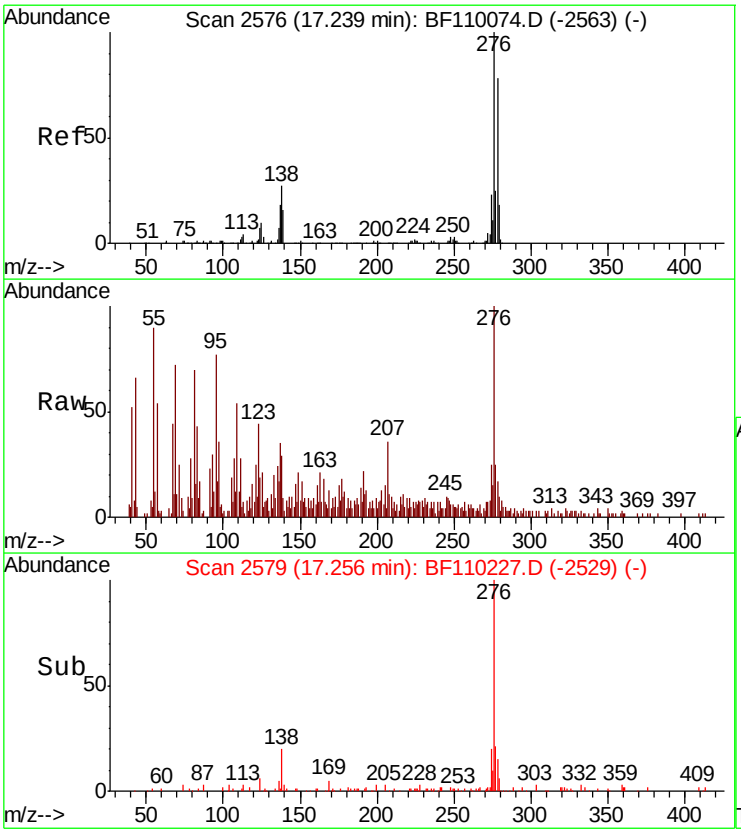
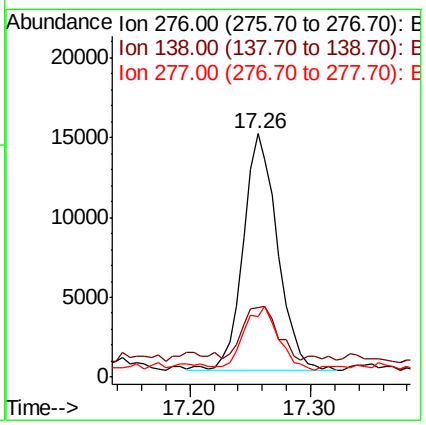
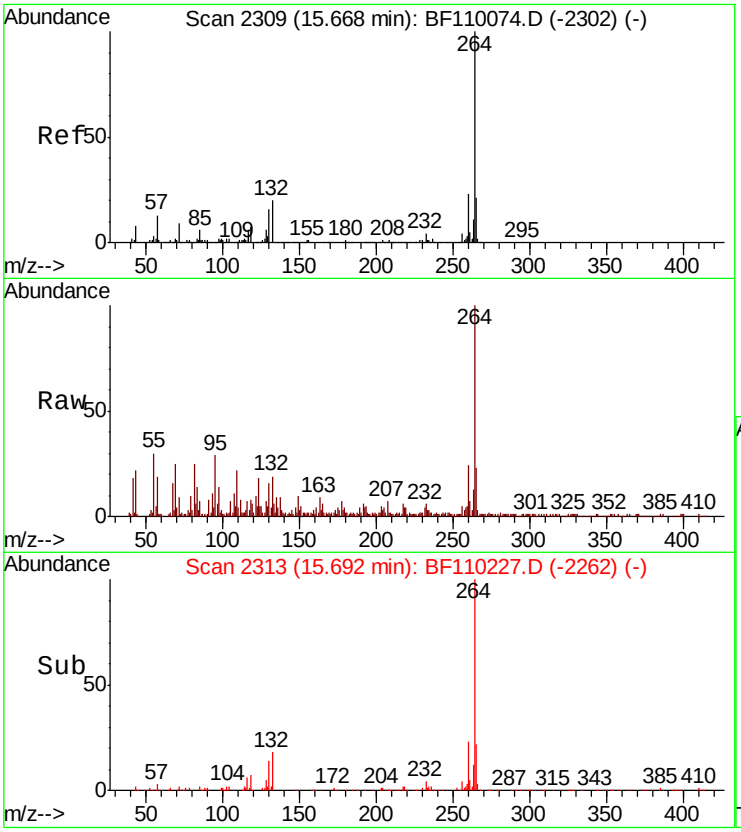



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.169 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:276 Resp: 29274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.1 | 18.5 | 27.7 |
| 277 | 26.6 | 20.0 | 30.0 |

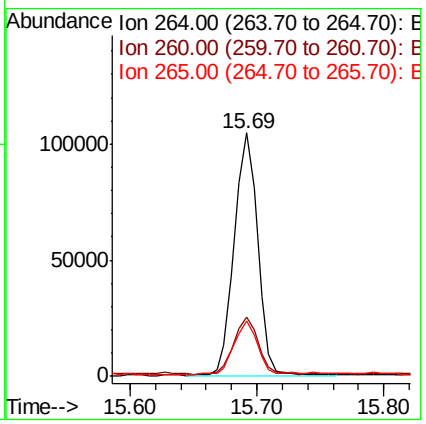





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:264 Resp: 133458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 18.7 | 28.1 |
| 265 | 22.5 | 16.7 | 25.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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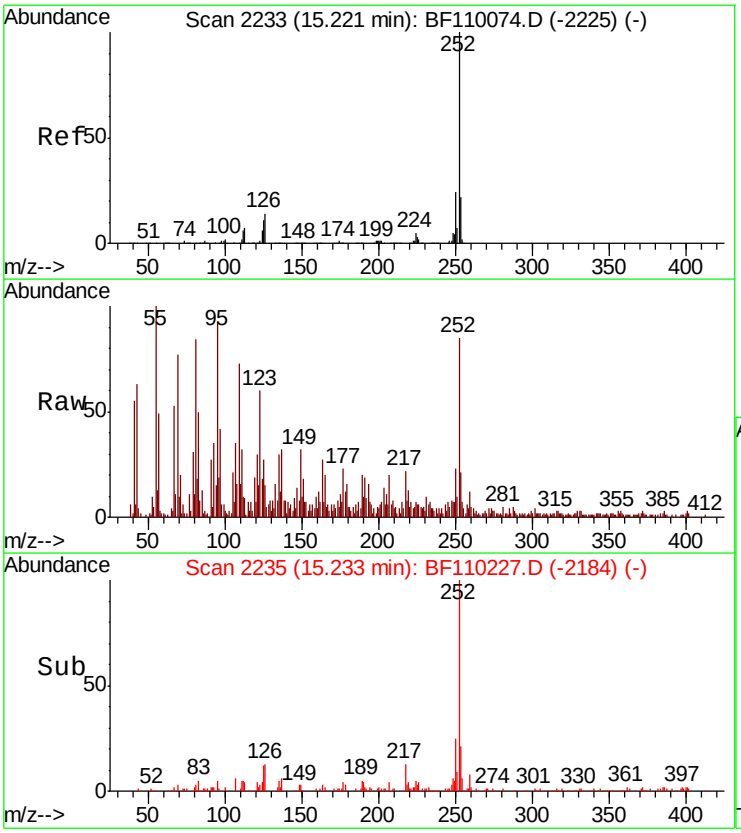
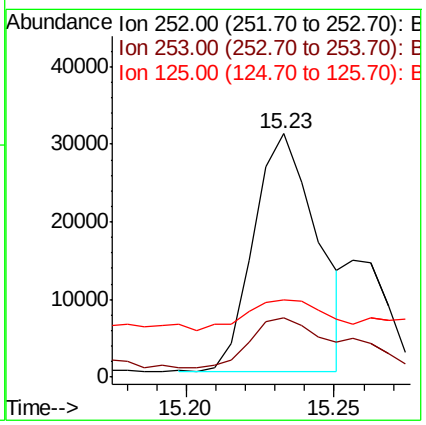
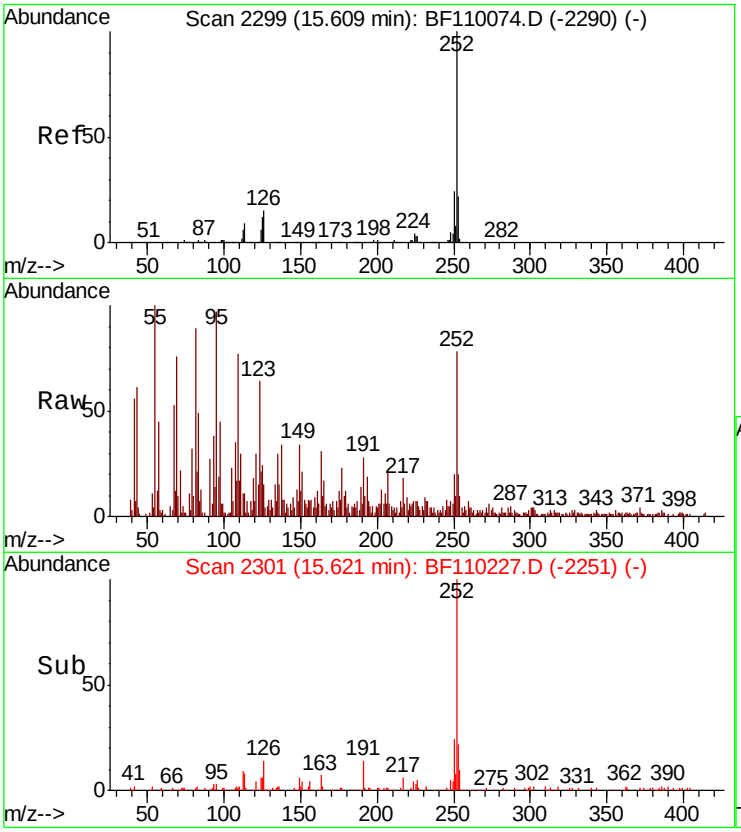



#88
Benzo(b)fluoranthene
Concen: 5.966 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.00 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:252 Resp: 45979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.2 | 25.8 |
| 125 | 31.8 | 8.2 | 12.4# |

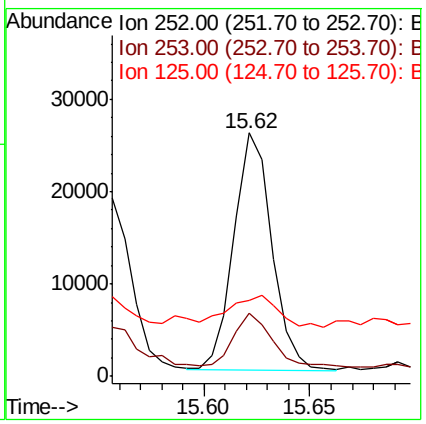





#90
Benzo(a)pyrene
Concen: 4.538 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:252 Resp: 32183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.7 | 18.2 | 27.4 |
| 125 | 31.4 | 9.0 | 13.6# |




**Instrument :**
BNA_F
**ClientSampleId :**
TP-5

**Manual Integrations APPROVED**
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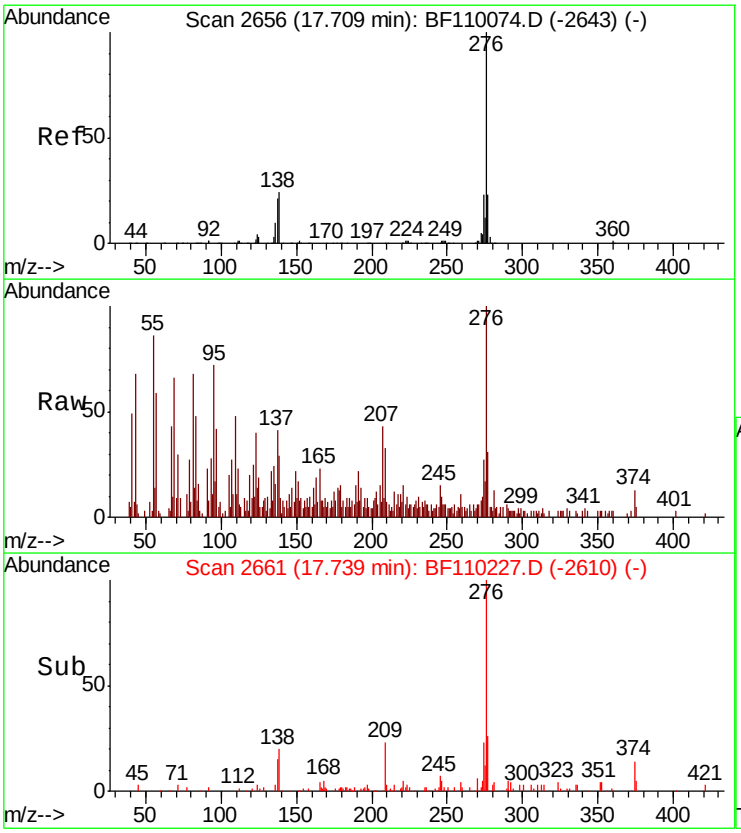


#92
Benzo(g,h,i)perylene
Concen: 4.756 ng
RT: 17.74 min Scan# 2661
Delta R.T. -0.00 min
Lab File: BF110227.D
Acq: 26 Oct 2018 23:13

Tgt Ion:276 Resp: 28675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 30.9 | 18.8 | 28.2# |
| 138 | 28.9 | 16.0 | 24.0# |