Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
Data File : BF112739.D
Acq On : 28 Feb 2019 00:45
Operator : JU/SJ
Sample : K1627-06 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
Sohil
2/28/2019 12:47:26 PM

Quant Time: Feb 28 04:06:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 185342 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.02 | 136 | 647347 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.77 | 164 | 274996 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.24 | 188 | 562131 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.87 | 240 | 508149 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.28 | 264 | 347509 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.34 | 112 | 546312 | 45.85 | ng | 0.00 |
| 7) Phenol-d6 | 6.36 | 99 | 680628 | 45.47 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 369147 | 34.12 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.55 | 330 | 152630 | 52.28 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.10 | 172 | 634349 | 31.25 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.83 | 244 | 739641 | 28.22 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Acenaphthylene | 9.63 | 152 | 106729 | 3.590 | ng | 98 |
| 71) Phenanthrene | 11.27 | 178 | 63290 | 2.263 | ng | 97 |
| 75) Fluoranthene | 12.45 | 202 | 97555 | 3.256 | ng | 99 |
| 78) Pyrene | 12.68 | 202 | 190303 | 4.442 | ng | 97 |
| 81) Benzo(a)anthracene | 13.86 | 228 | 109286m | 3.103 | ng | |
| 83) Chrysene | 13.90 | 228 | 106243 | 3.080 | ng | 97 |
| 88) Benzo(b)fluoranthene | 14.88 | 252 | 95203m | 4.235 | ng | |
| 90) Benzo(a)pyrene | 15.22 | 252 | 77600 | 3.903 | ng | 98 |
| 92) Benzo(g,h,i)perylene | 17.04 | 276 | 44876 | 2.634 | ng | 97 |

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
Data File : BF112739.D
Acq On : 28 Feb 2019 00:45
Operator : JU/SJ
Sample : K1627-06 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Feb 28 04:06:14 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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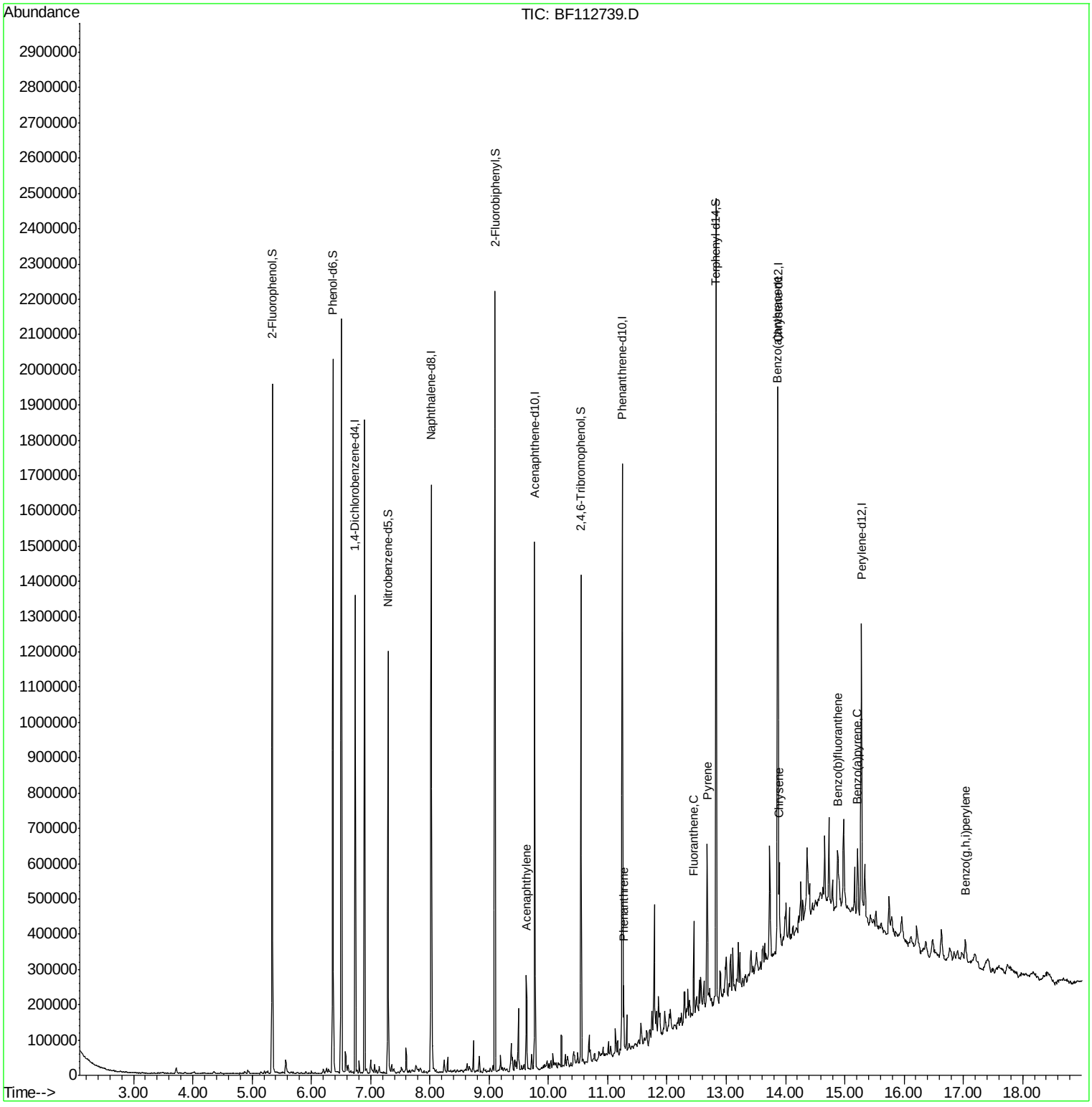
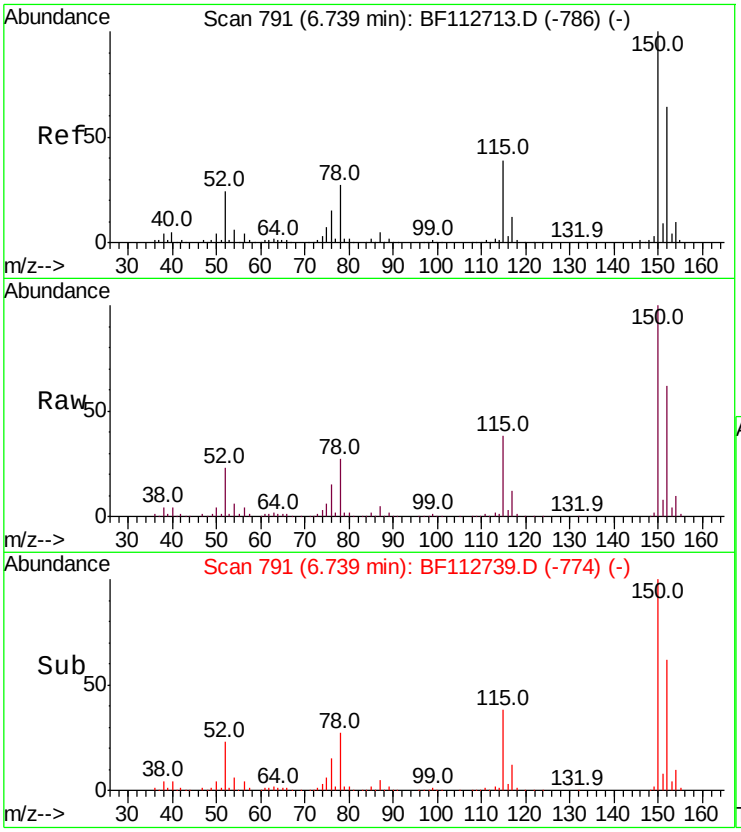
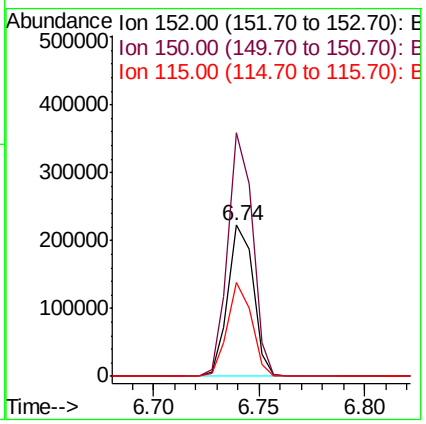





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:152 Resp: 185342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 161.4 | 124.2 | 186.2 |
| 115 | 62.1 | 48.2 | 72.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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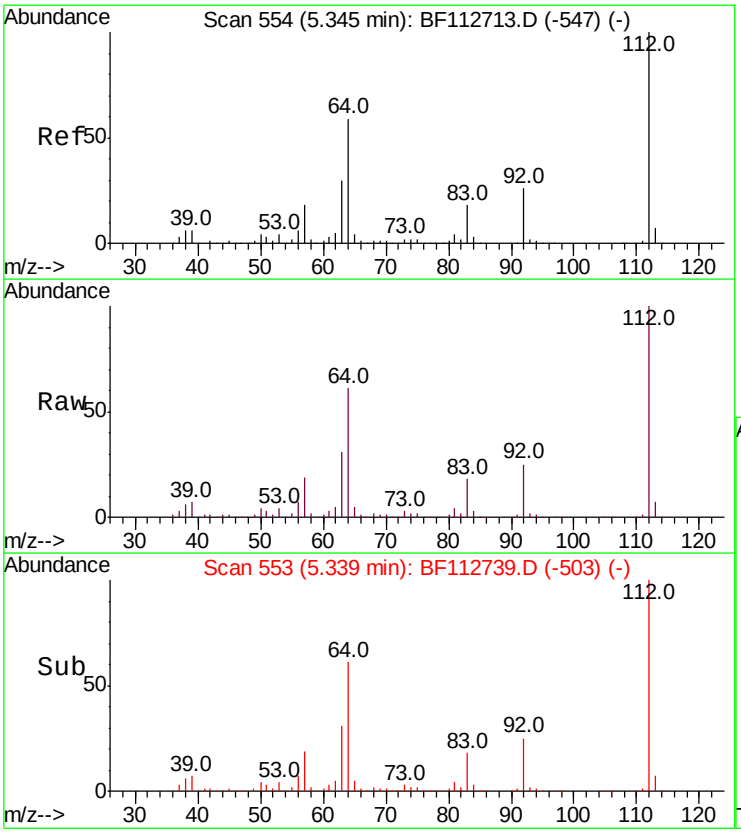
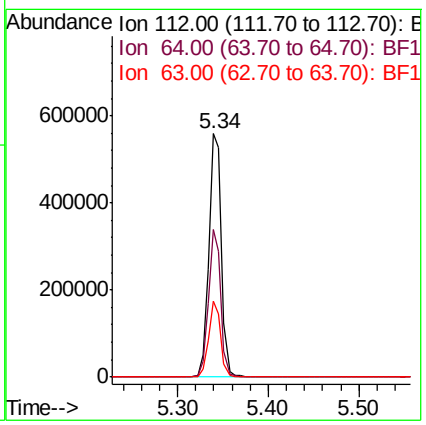
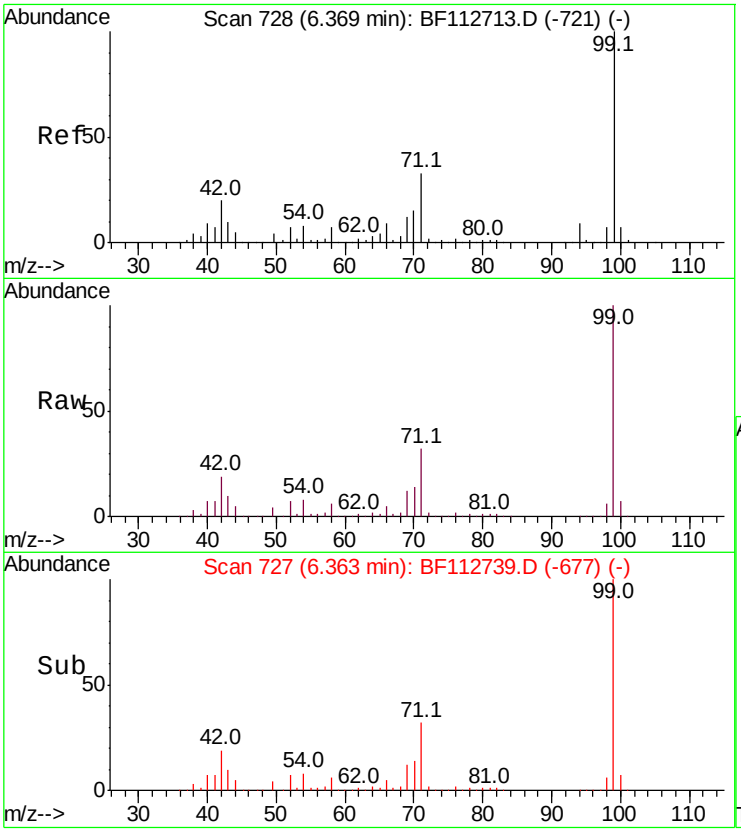



#5
2-Fluorophenol
Concen: 45.851 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:112 Resp: 546312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.9 | 47.6 | 71.4 |
| 63 | 31.1 | 24.4 | 36.6 |

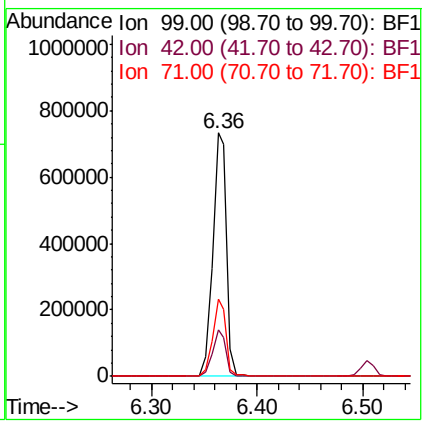





#7
Phenol-d6
Concen: 45.475 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion: 99 Resp: 680628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 16.3 | 24.5 |
| 71 | 31.8 | 26.2 | 39.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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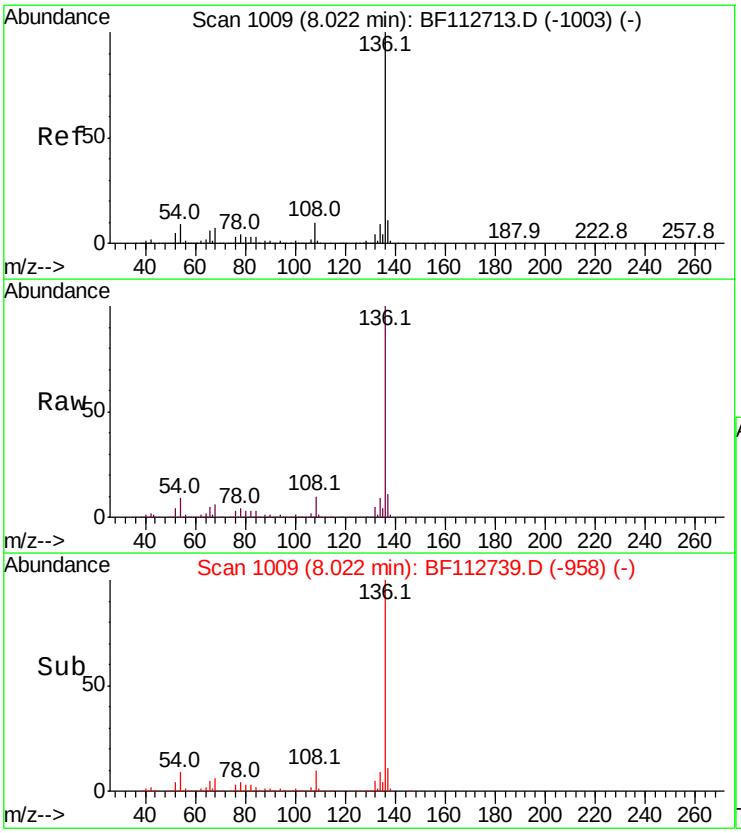
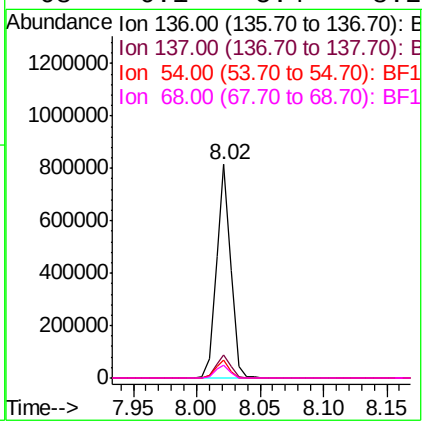
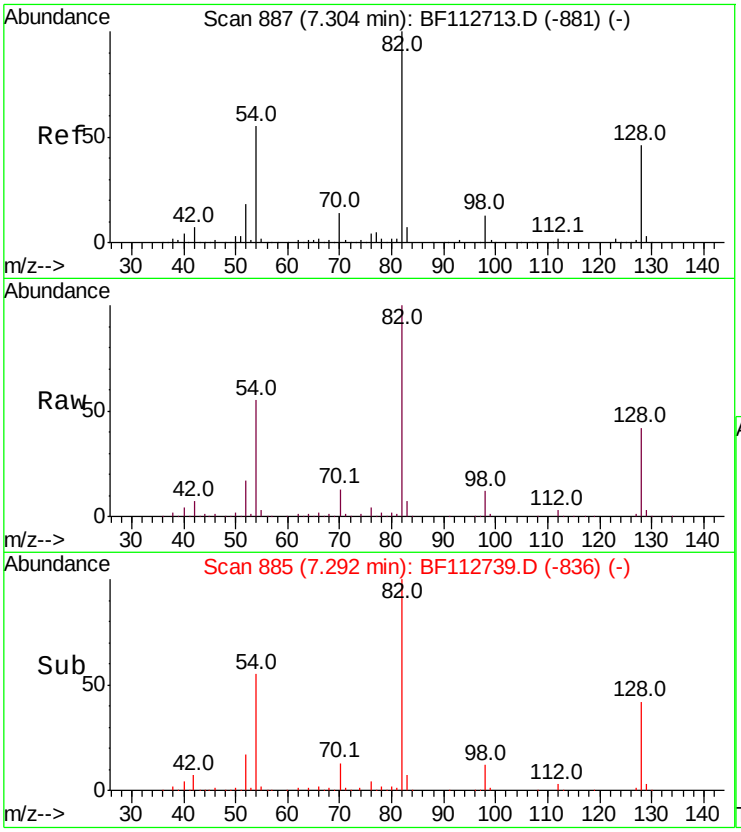



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:136 Resp: 647347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 8.6 | 7.3 | 10.9 |
| 68 | 6.1 | 5.4 | 8.2 |

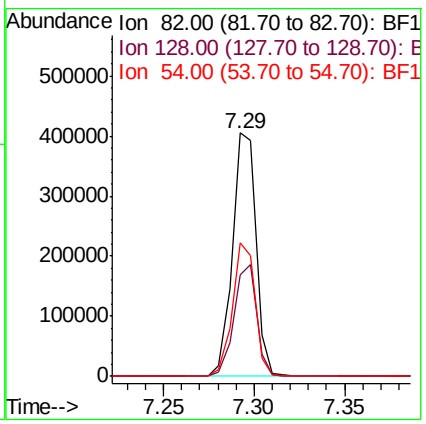





#23
Nitrobenzene-d5
Concen: 34.122 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion: 82 Resp: 369147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.8 | 36.3 | 54.5 |
| 54 | 55.0 | 43.7 | 65.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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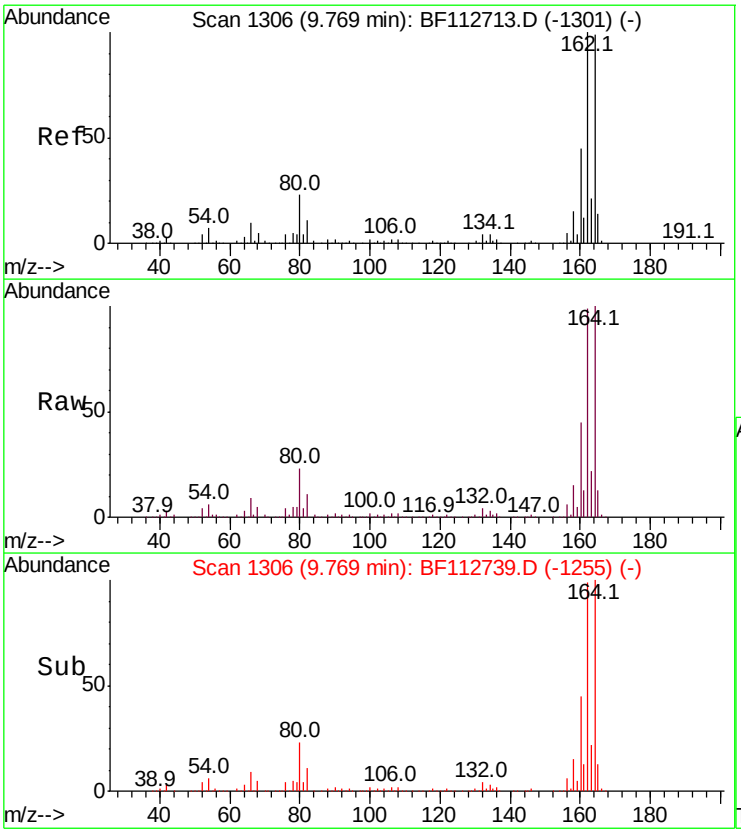
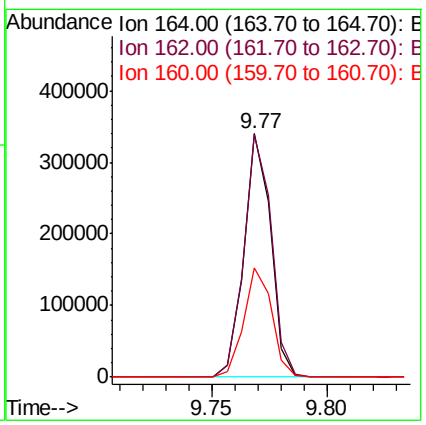
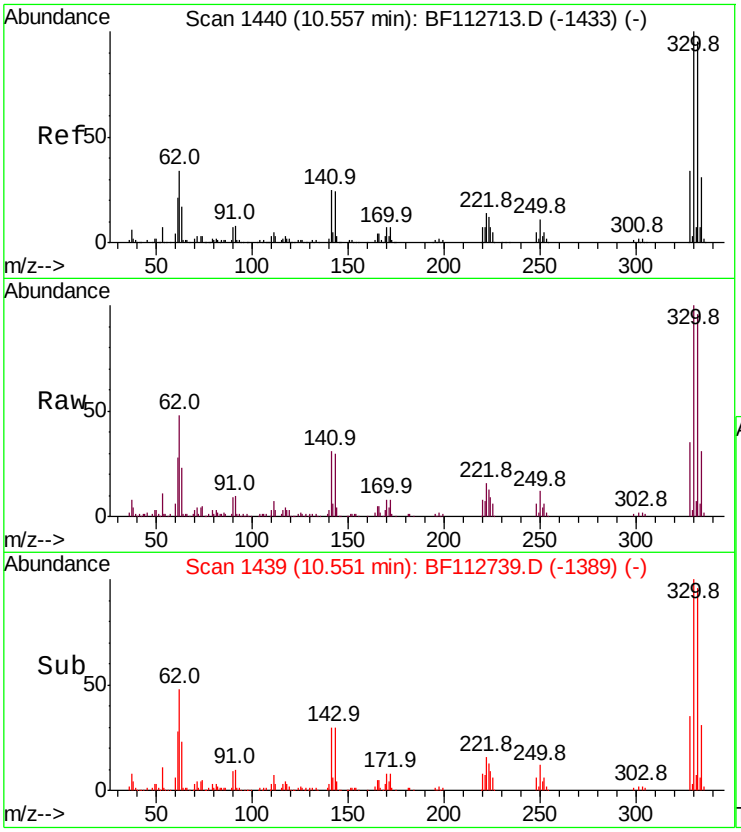



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:164 Resp: 274996

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 80.6 | 120.8 |
| 160 | 44.6 | 36.0 | 54.0 |

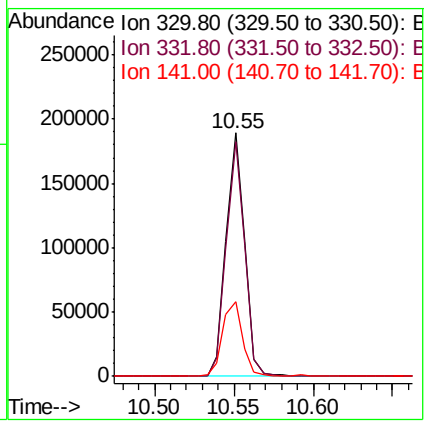





#42
2,4,6-Tribromophenol
Concen: 52.281 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:330 Resp: 152630

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.2 | 114.4 |
| 141 | 32.1 | 27.0 | 40.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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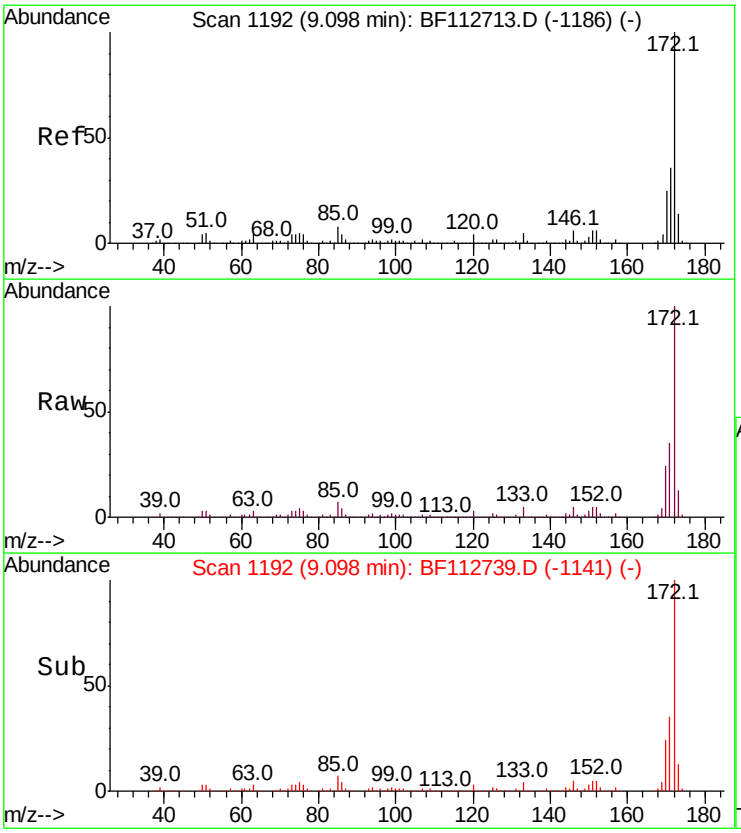
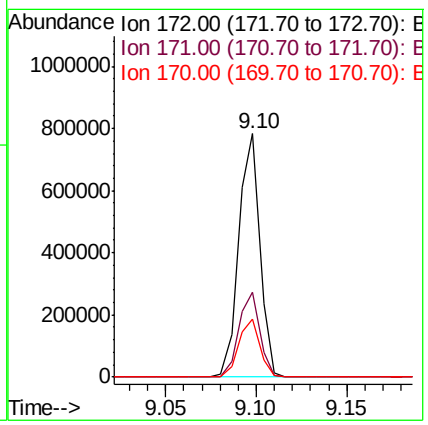
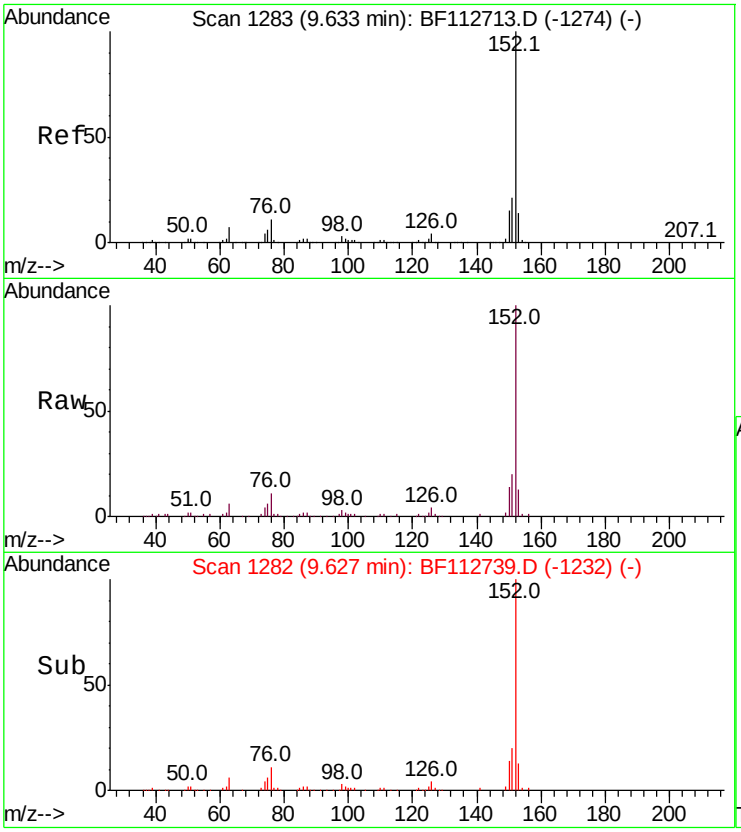



#45
2-Fluorobiphenyl
Concen: 31.249 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:172 Resp: 634349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 29.0 | 43.4 |
| 170 | 23.8 | 20.0 | 30.0 |

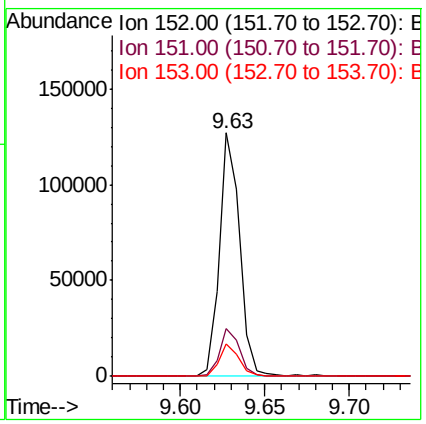





#49
Acenaphthylene
Concen: 3.590 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:152 Resp: 106729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 16.9 | 25.3 |
| 153 | 13.4 | 11.0 | 16.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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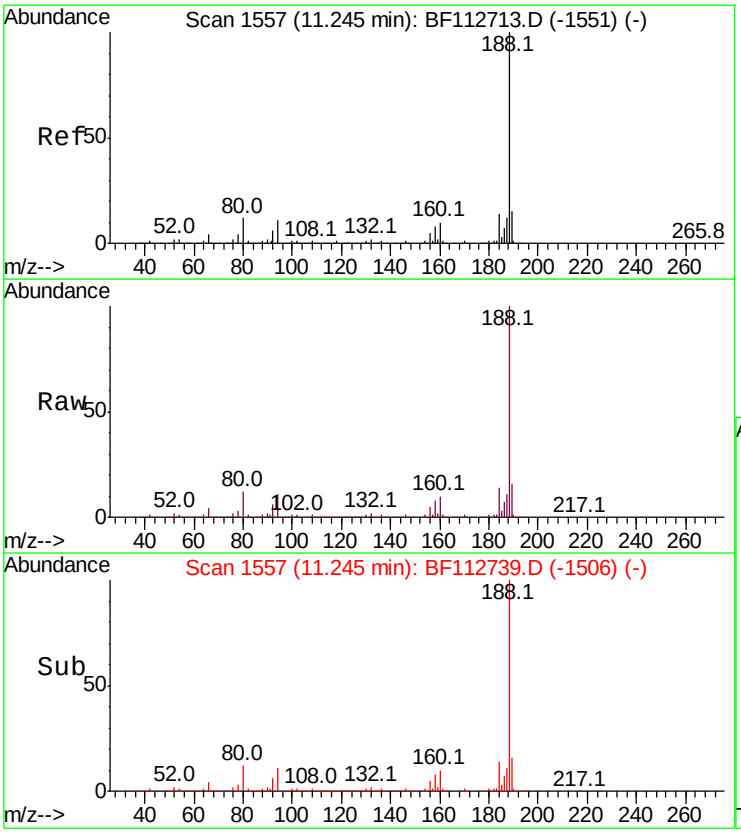
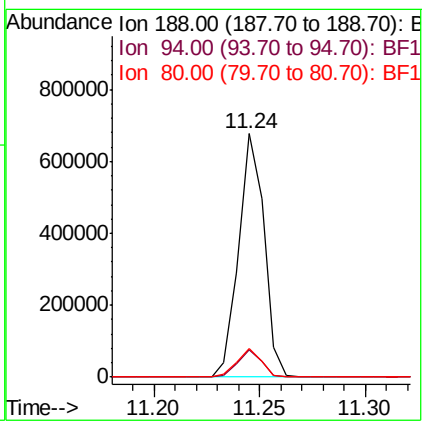
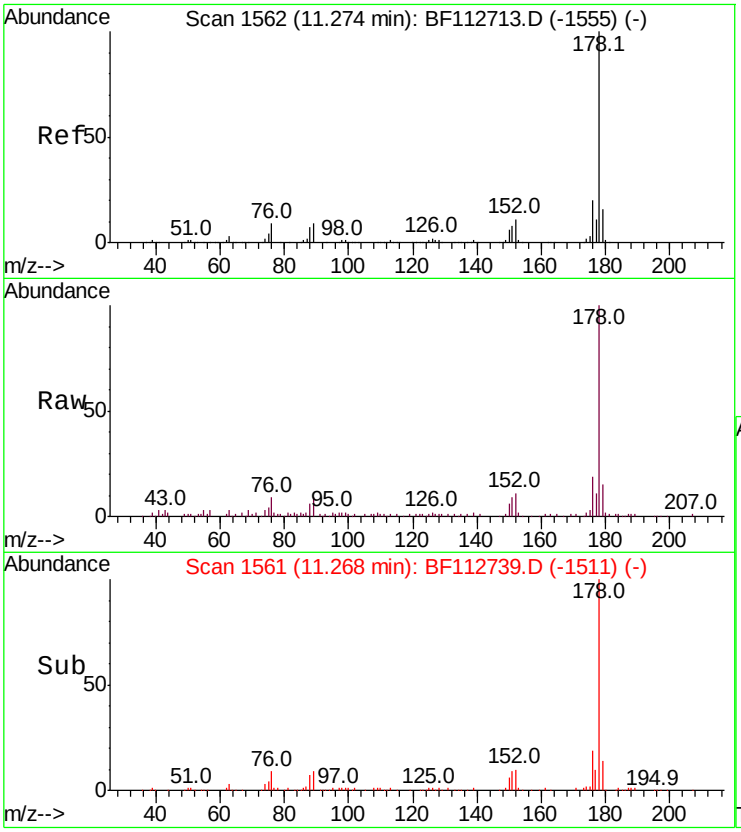



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:188 Resp: 562131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 9.0 | 13.4 |
| 80 | 11.6 | 9.2 | 13.8 |

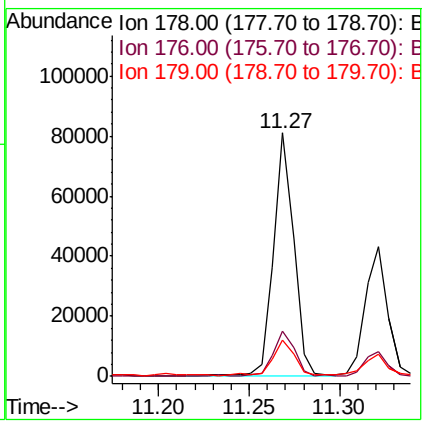





#71
Phenanthrene
Concen: 2.263 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:178 Resp: 63290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 16.3 | 24.5 |
| 179 | 14.9 | 12.7 | 19.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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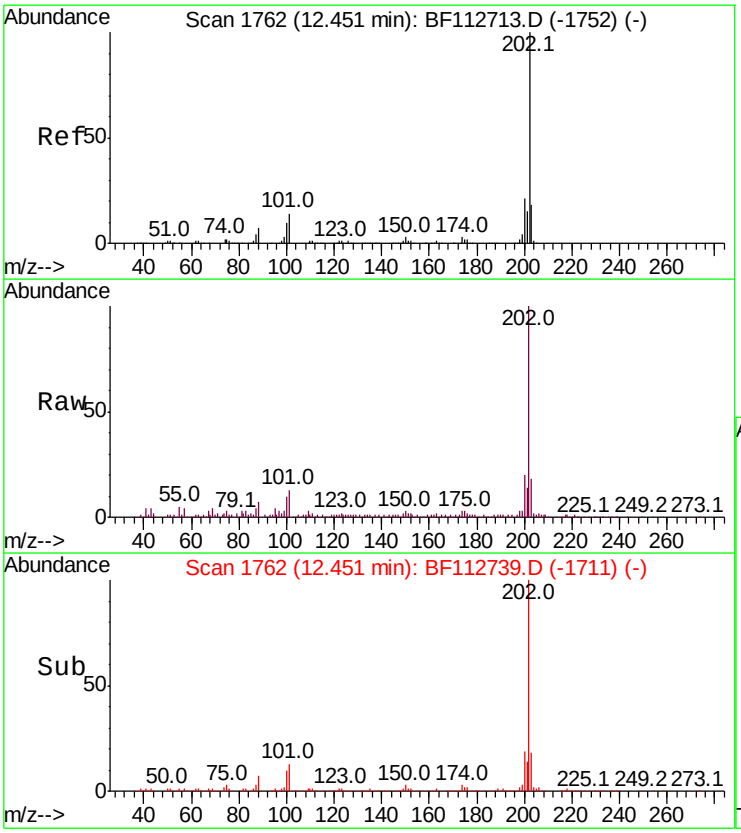
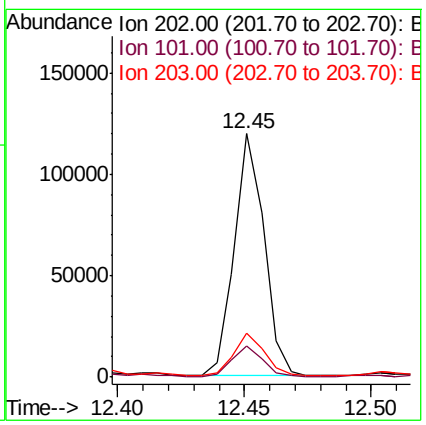
2/28/2019 12:47:26 PM

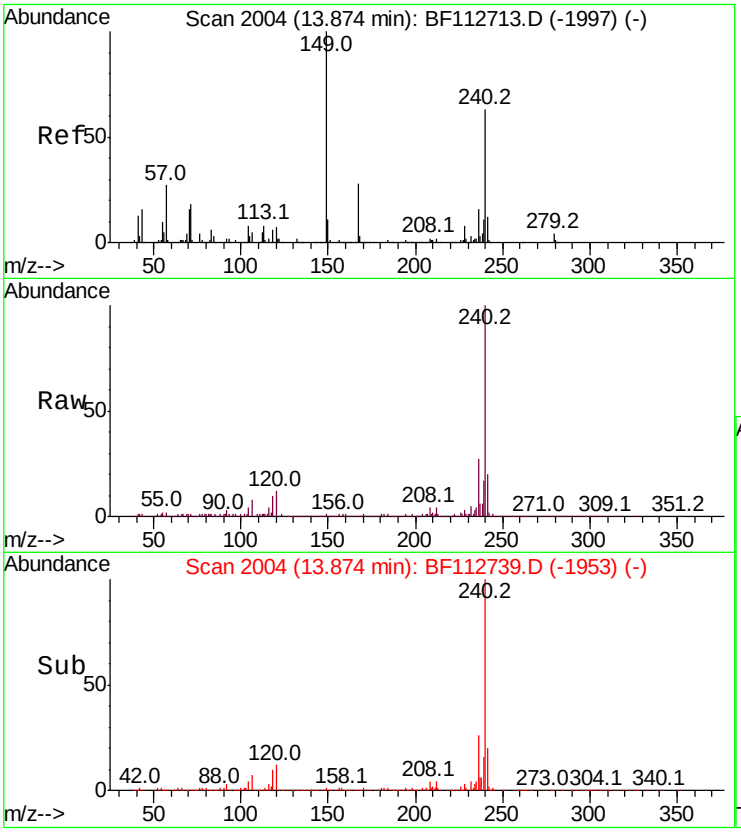



#75
Fluoranthene
Concen: 3.256 ng
RT: 12.45 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:202 Resp: 97555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 0.0 | 33.8 |
| 203 | 18.1 | 0.0 | 38.4 |

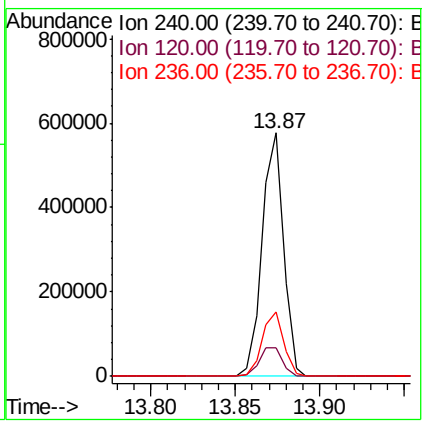





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:240 Resp: 508149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 8.9 | 13.3 |
| 236 | 26.6 | 20.7 | 31.1 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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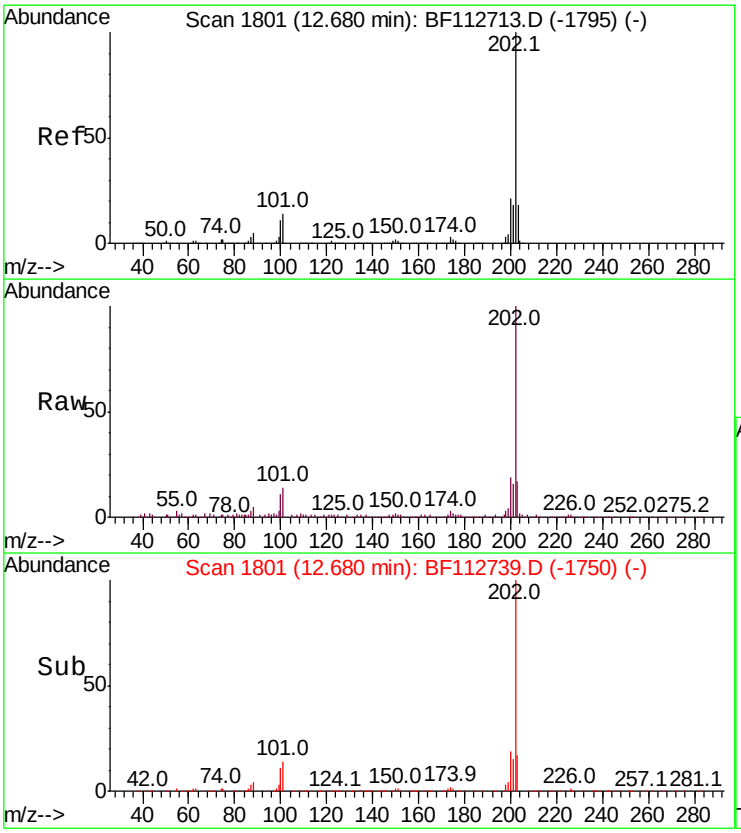
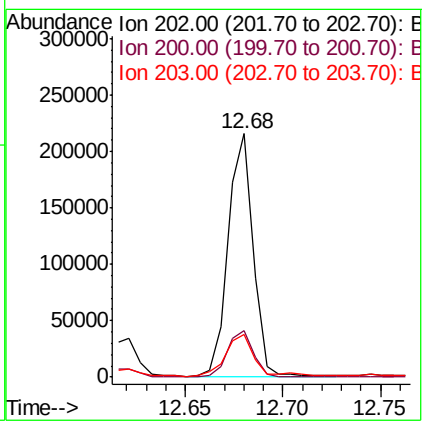
2/28/2019 12:47:26 PM

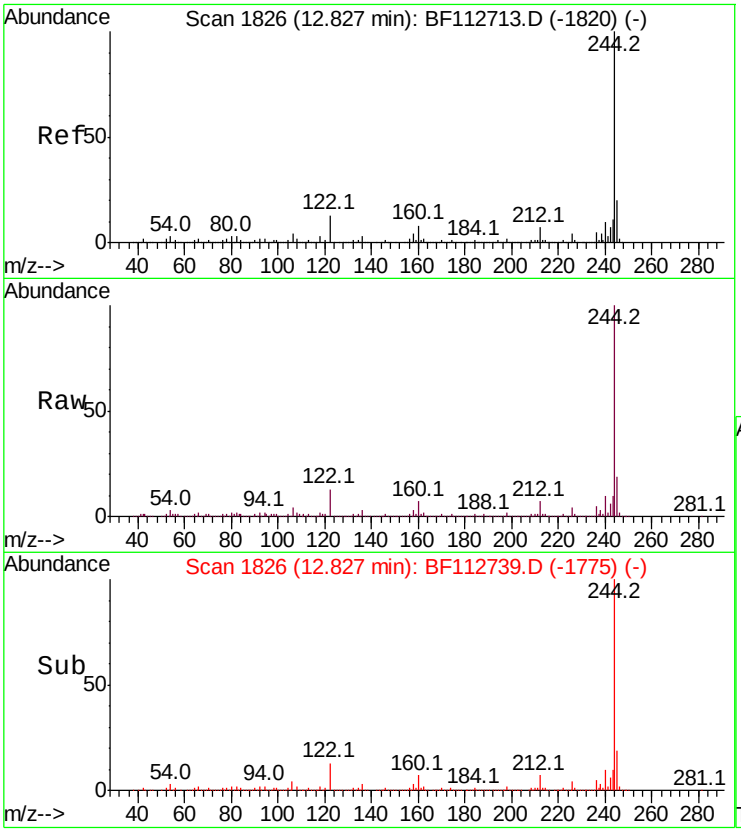



#78
Pyrene
Concen: 4.442 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:202 Resp: 190303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.2 | 17.0 | 25.4 |
| 203 | 17.4 | 14.4 | 21.6 |

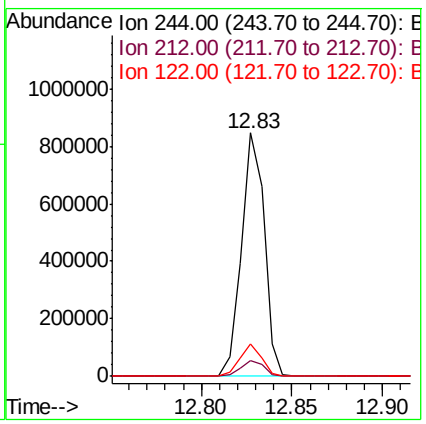





#79
Terphenyl-d14
Concen: 28.216 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

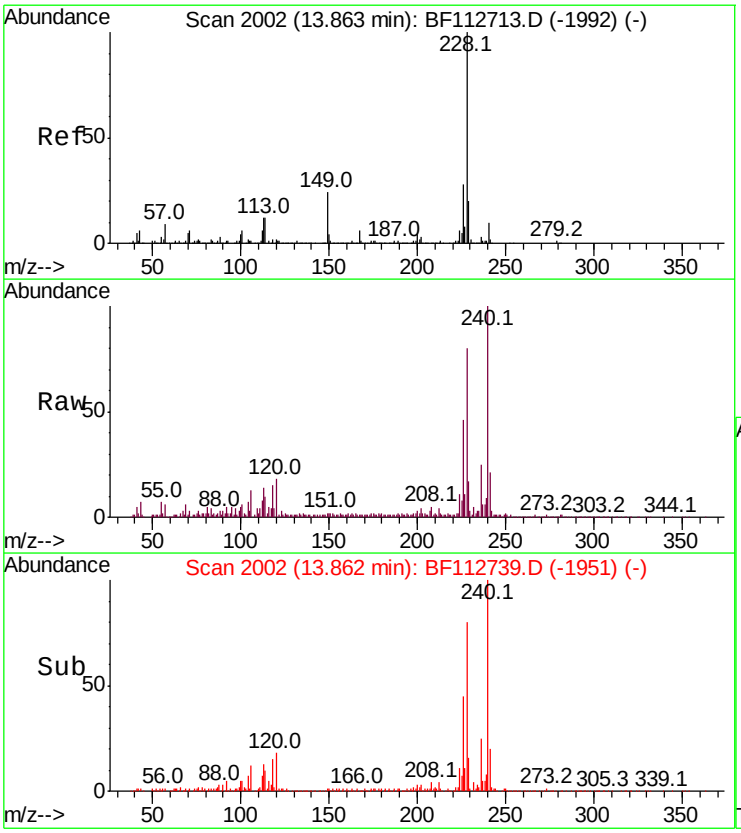
Tgt Ion:244 Resp: 739641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.6 | 8.4 |
| 122 | 13.1 | 10.5 | 15.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

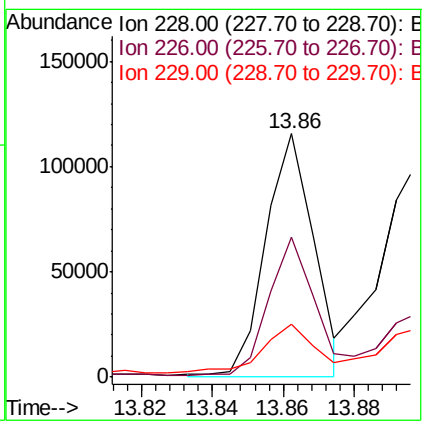
**Manual Integrations APPROVED**
Sohil
2/28/2019 12:47:26 PM

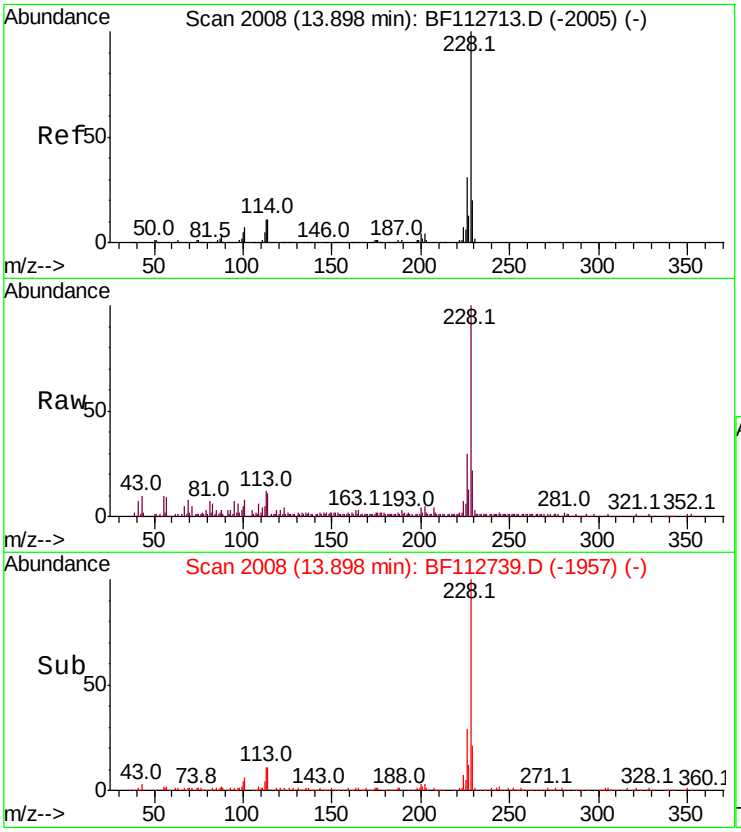



#81
Benzo(a)anthracene
Concen: 3.103 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:228 Resp: 109286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 57.2 | 22.2 | 33.4# |
| 229 | 21.5 | 16.0 | 24.0 |

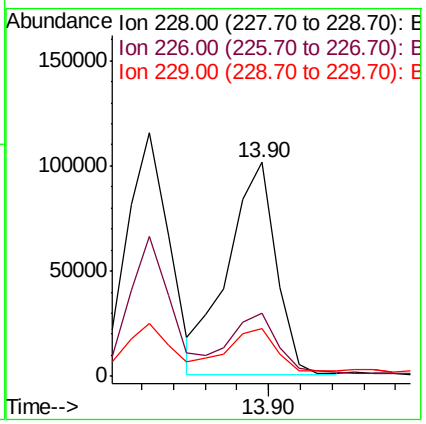





#83
Chrysene
Concen: 3.080 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:228 Resp: 106243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 24.9 | 37.3 |
| 229 | 22.4 | 16.3 | 24.5 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

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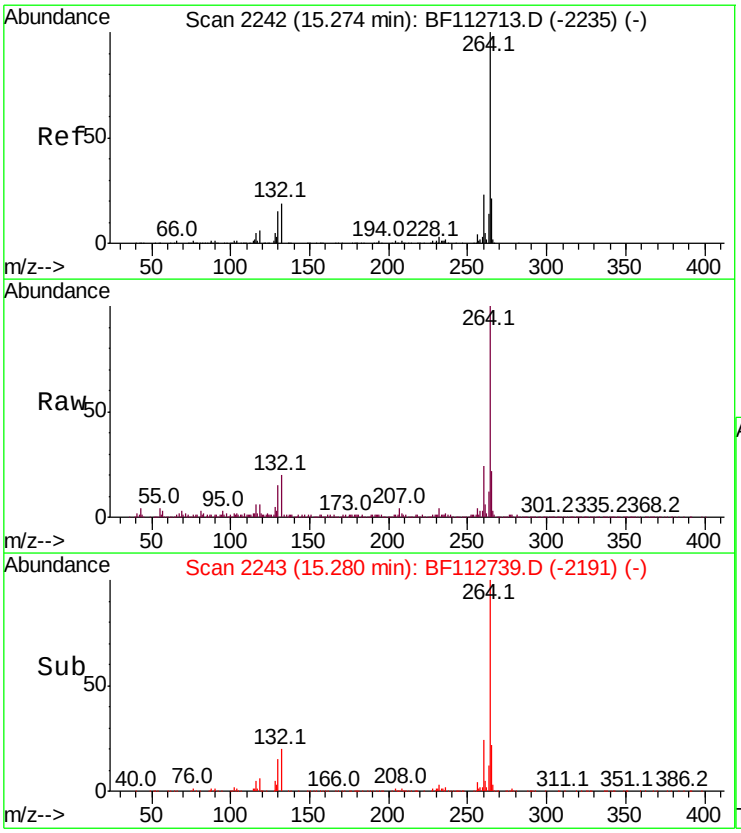
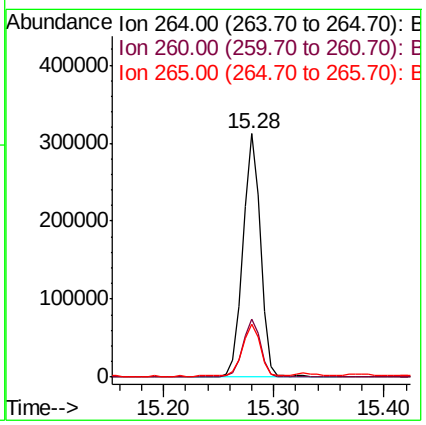
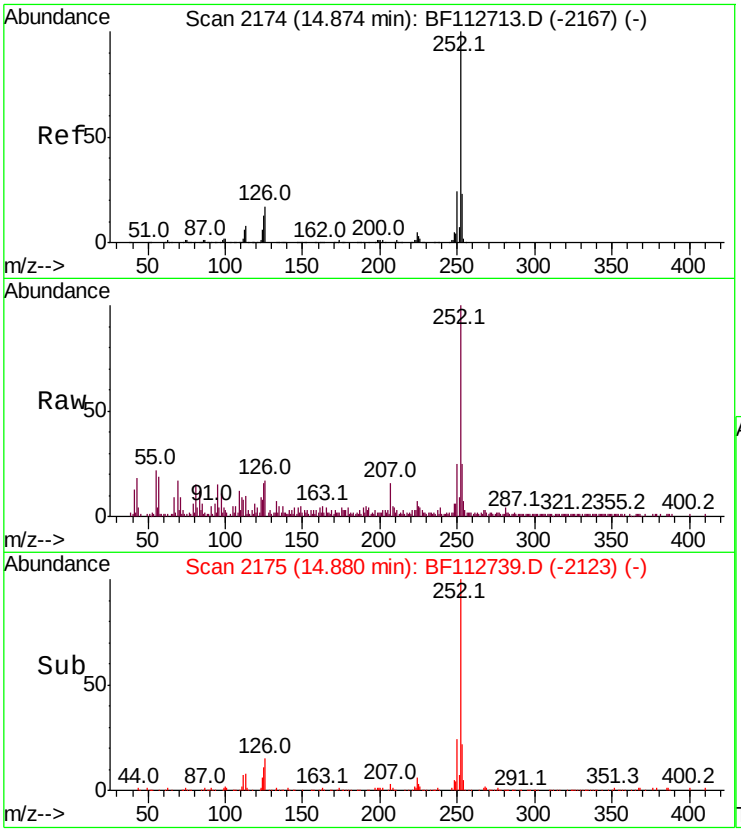



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:264 Resp: 347509

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 18.7 | 28.1 |
| 265 | 22.0 | 17.2 | 25.8 |

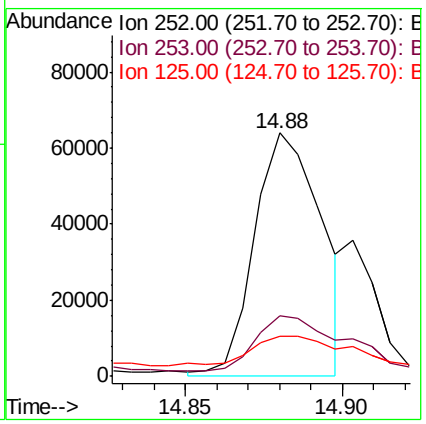





#88
Benzo(b)fluoranthene
Concen: 4.235 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:252 Resp: 95203

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 18.0 | 27.0 |
| 125 | 16.2 | 10.2 | 15.2# |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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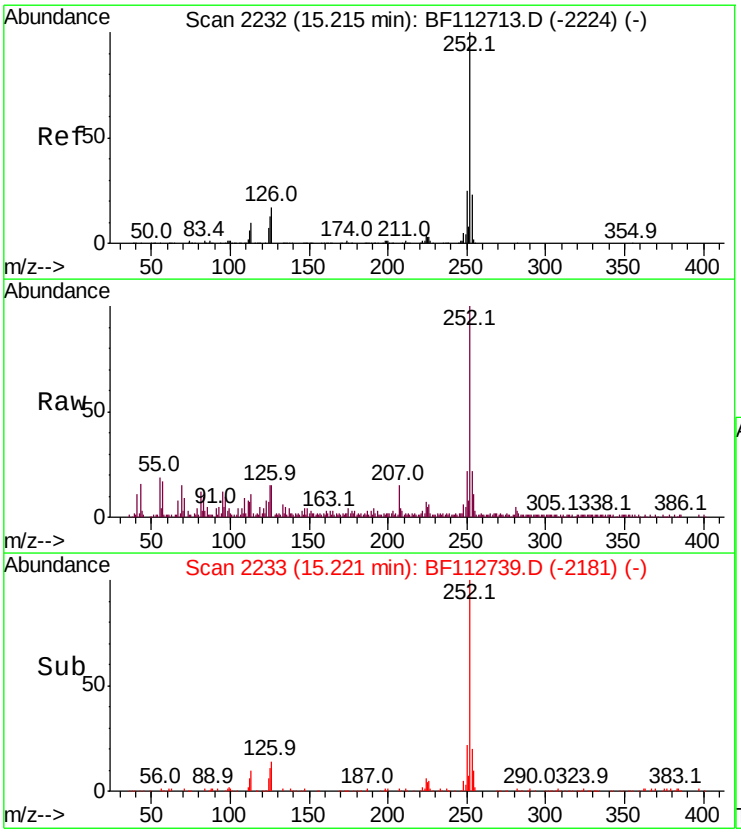
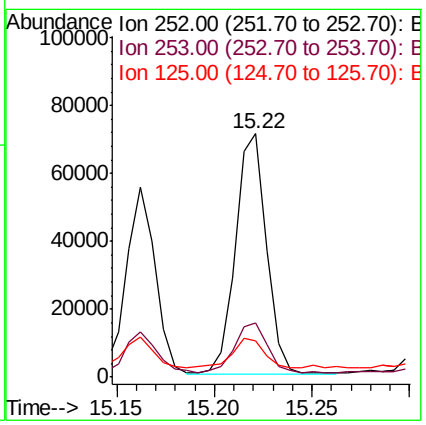
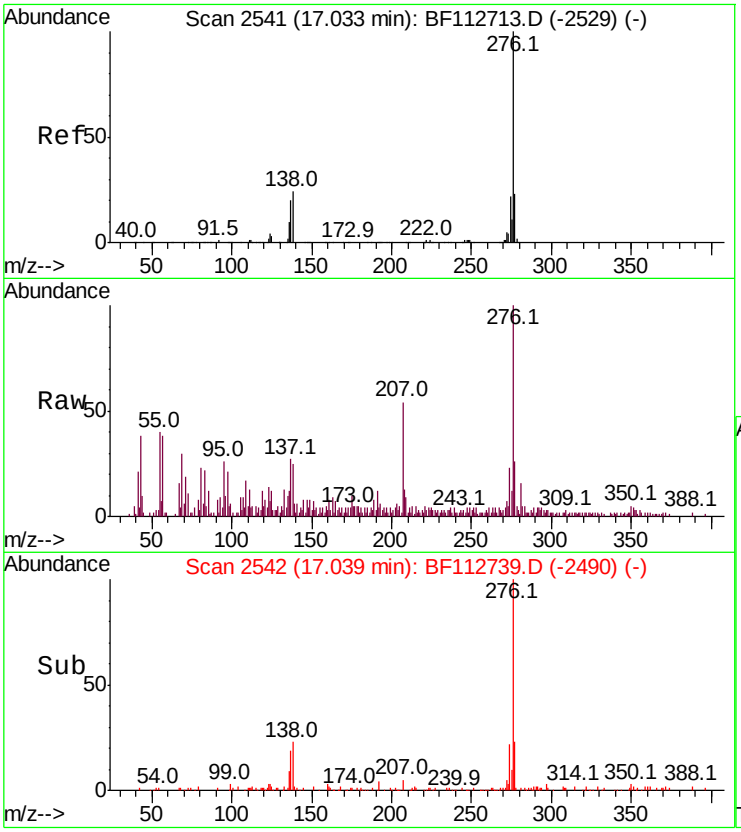



#90
Benzo(a)pyrene
Concen: 3.903 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:252 Resp: 77600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 18.0 | 27.0 |
| 125 | 14.9 | 10.7 | 16.1 |

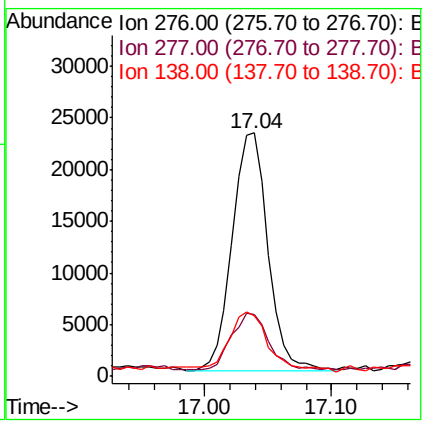





#92
Benzo(g,h,i)perylene
Concen: 2.634 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF112739.D
Acq: 28 Feb 2019 00:45

Tgt Ion:276 Resp: 44876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.7 | 18.6 | 27.8 |
| 138 | 24.8 | 19.4 | 29.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
SB-03-(2-5)

**Manual Integrations APPROVED**
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