Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021819\
Data File : BF112608.D
Acq On : 18 Feb 2019 18:33
Operator : JU/SJ
Sample : K1518-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-5

Manual Integrations APPROVED
Sohil
2/19/2019 9:38:54 AM

Quant Time: Feb 19 00:25:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 61336 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.10 | 136 | 244263 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 9.86 | 164 | 123571 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 11.35 | 188 | 244883 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 14.00 | 240 | 175207 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.47 | 264 | 160379 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 460721 | 159.55 | ng | | -0.03 |
| 7) Phenol-d6 | 6.47 | 99 | 593580 | 147.93 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 384620 | 90.73 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 206550 | 143.60 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 9.18 | 172 | 685541 | 78.46 | ng | | -0.02 |
| 79) Terphenyl-d14 | 12.93 | 244 | 724643 | 77.90 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.49 | 94 | 41935 | 9.526 | ng | | 85 |
| 49) Acenaphthylene | 9.72 | 152 | 25671 | 2.091 | ng | | 95 |
| 50) Dimethylphthalate | 9.57 | 163 | 70895 | 7.384 | ng | | 99 |
| 71) Phenanthrene | 11.37 | 178 | 161767 | 12.706 | ng | | 97 |
| 72) Anthracene | 11.43 | 178 | 45387 | 3.579 | ng | | 97 |
| 75) Fluoranthene | 12.57 | 202 | 401169 | 29.379 | ng | | 97 |
| 78) Pyrene | 12.80 | 202 | 413952 | 34.125 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.99 | 228 | 181472 | 17.619 | ng | | 97 |
| 83) Chrysene | 14.02 | 228 | 165099 | 16.793 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 19140 | 2.298 | ng | # | 93 |
| 86) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 89554 | 11.496 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 15.04 | 252 | 210081m | 21.903 | ng | | |
| 89) Benzo(k)fluoranthene | 15.07 | 252 | 60467m | 6.582 | ng | | |
| 90) Benzo(a)pyrene | 15.42 | 252 | 145269 | 16.833 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 16.96 | 278 | 26177m | 3.763 | ng | | |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 82168 | 12.521 | ng | | 95 |

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

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**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

**Manual Integrations APPROVED**
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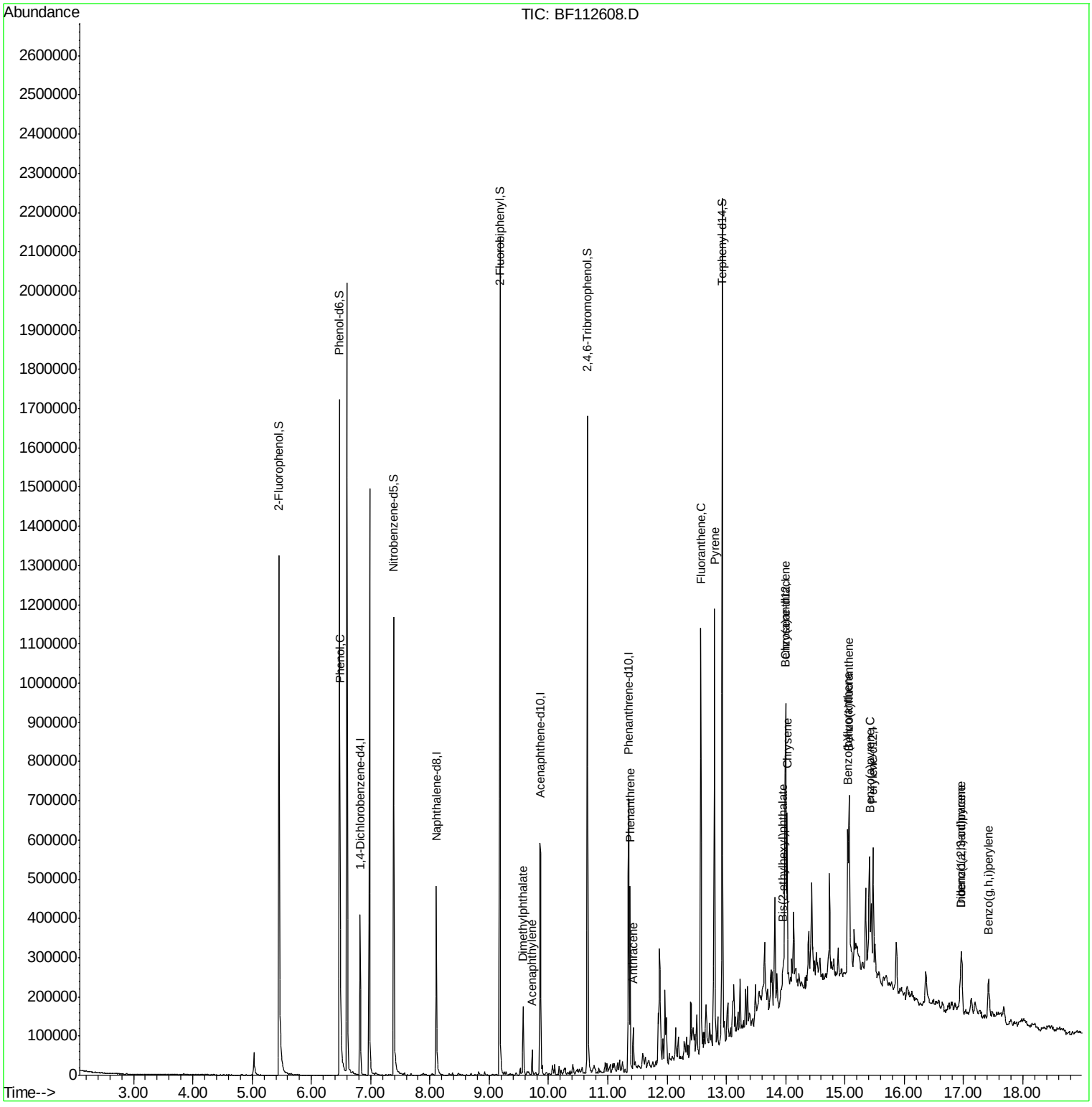
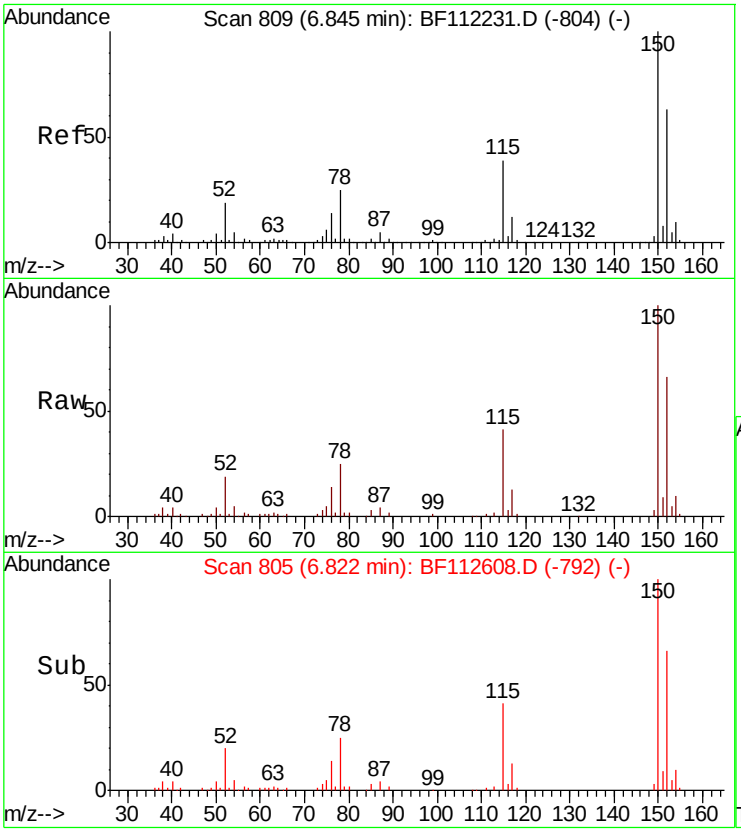
2/19/2019 9:38:54 AM

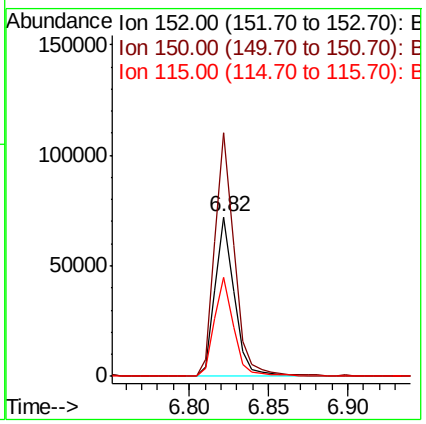





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:152 Resp: 61336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.5 | 127.4 | 191.0 |
| 115 | 62.1 | 45.5 | 68.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

**Manual Integrations APPROVED**
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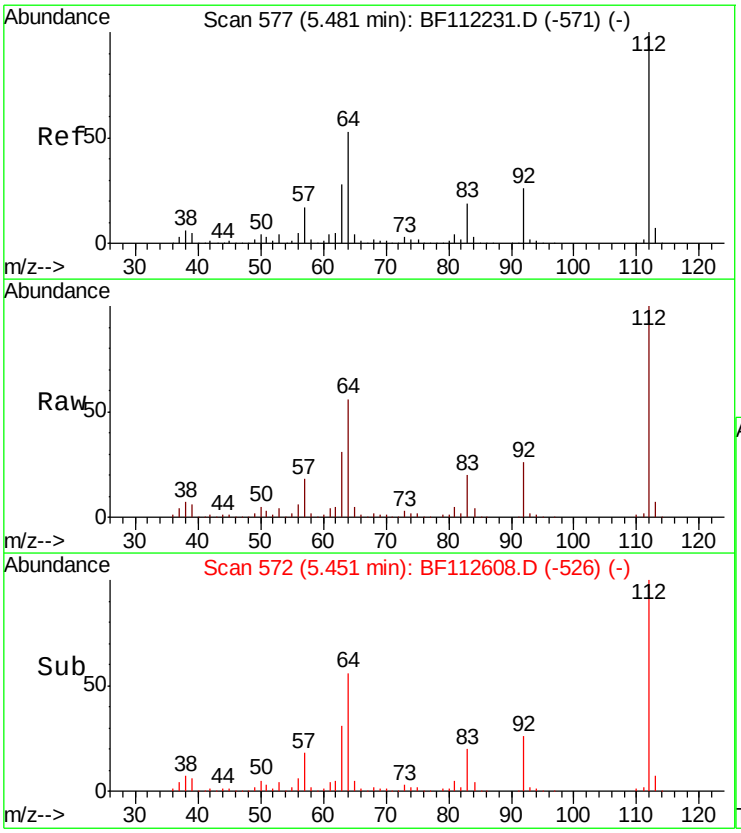
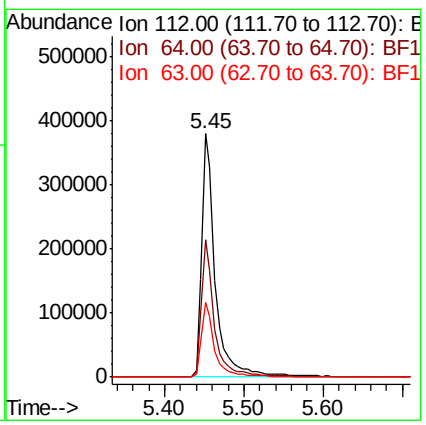
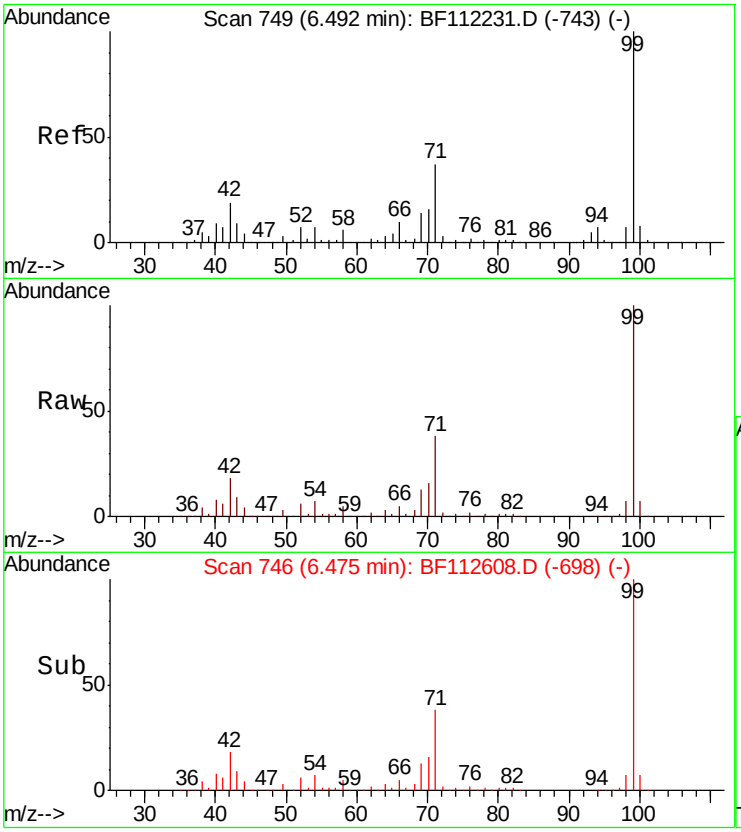



#5
2-Fluorophenol
Concen: 159.548 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.03 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:112 Resp: 460721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.4 | 45.7 | 68.5 |
| 63 | 30.7 | 23.6 | 35.4 |

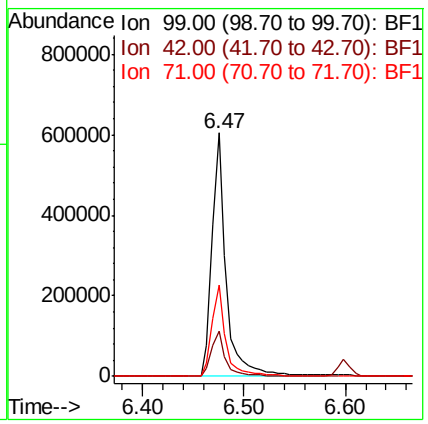





#7
Phenol-d6
Concen: 147.930 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion: 99 Resp: 593580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 15.1 | 22.7 |
| 71 | 37.7 | 26.9 | 40.3 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

**Manual Integrations APPROVED**
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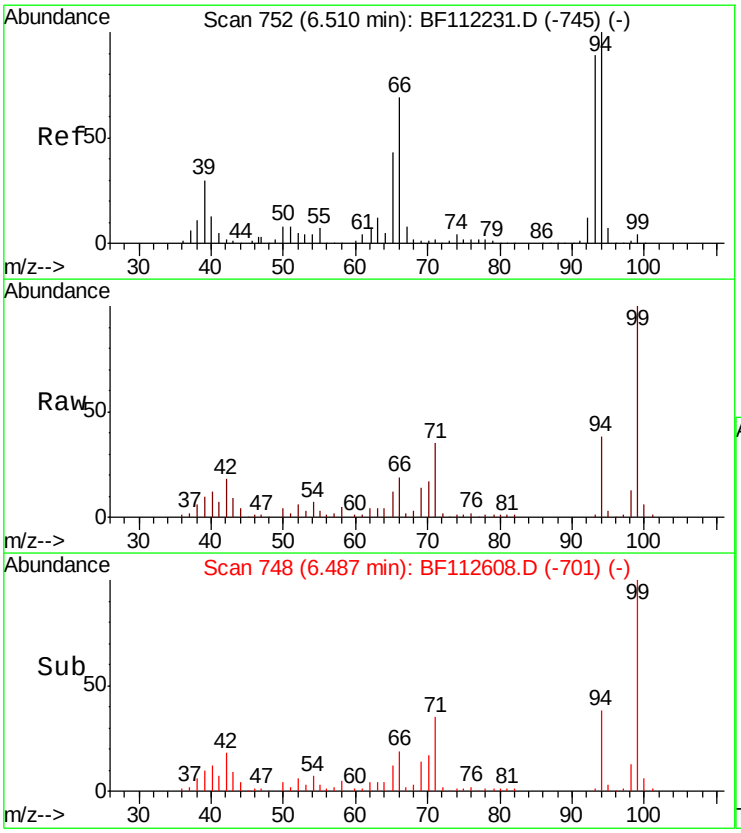
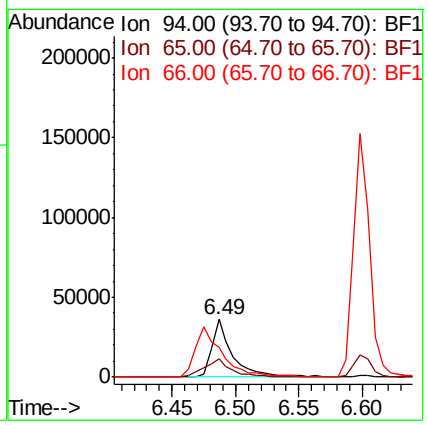
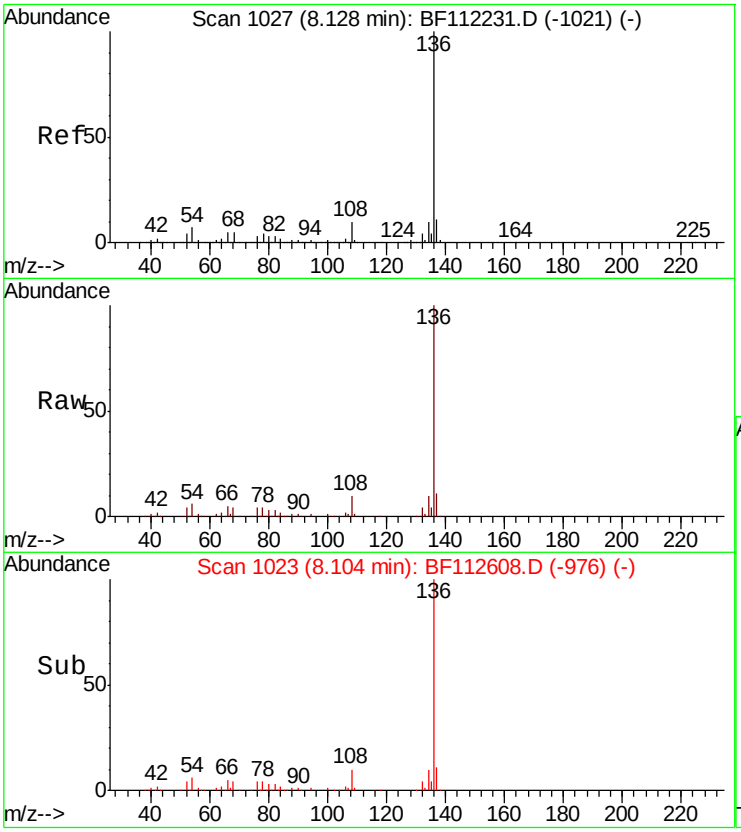



#10
Phenol
Concen: 9.526 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion: 94 Resp: 41935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 31.9 | 20.3 | 60.3 |
| 66 | 50.5 | 42.4 | 82.4 |

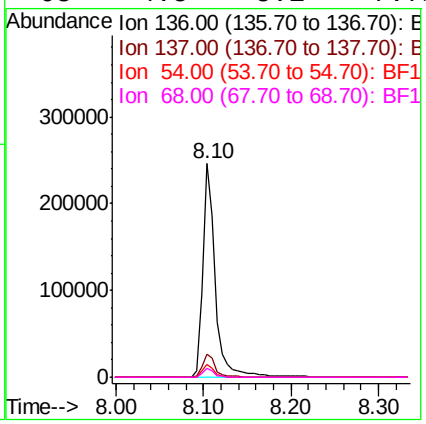





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:136 Resp: 244263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 9.1 | 13.7 |
| 54 | 6.3 | 5.9 | 8.9 |
| 68 | 4.5 | 5.1 | 7.7# |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

**Manual Integrations APPROVED**
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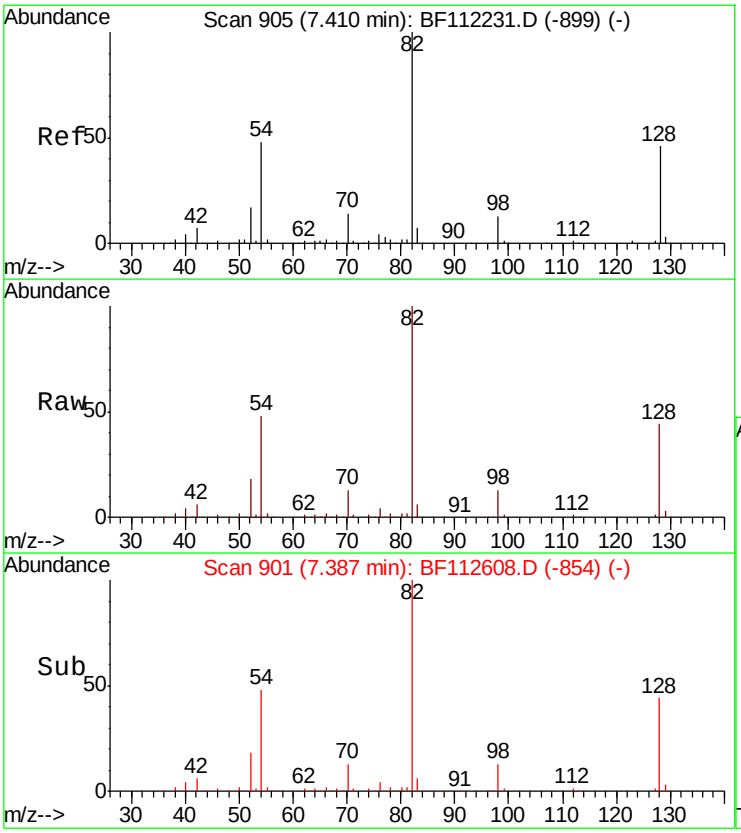
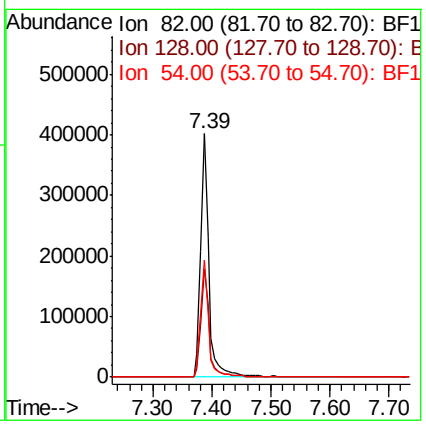
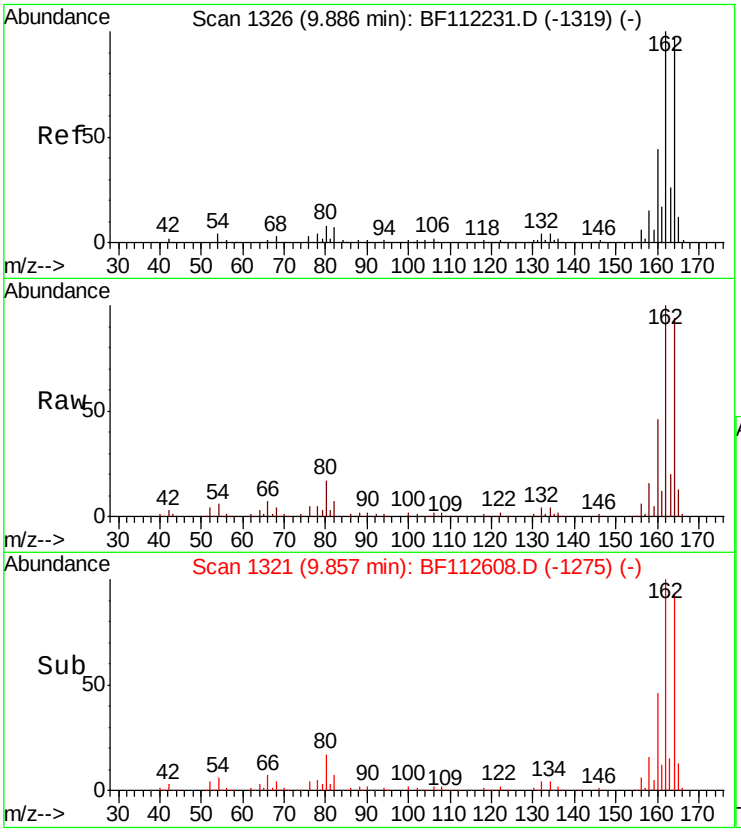



#23
Nitrobenzene-d5
Concen: 90.729 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion: 82 Resp: 384620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 37.8 | 56.8 |
| 54 | 48.0 | 39.7 | 59.5 |

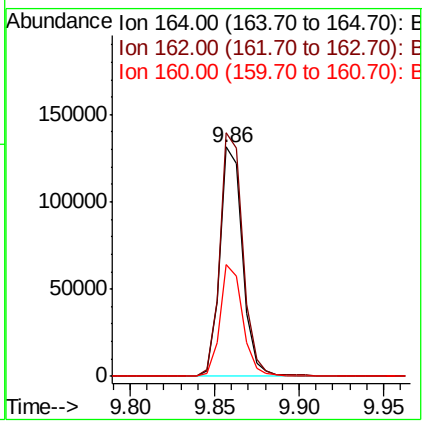





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:164 Resp: 123571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.2 | 82.2 | 123.4 |
| 160 | 48.9 | 36.2 | 54.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

**Manual Integrations APPROVED**
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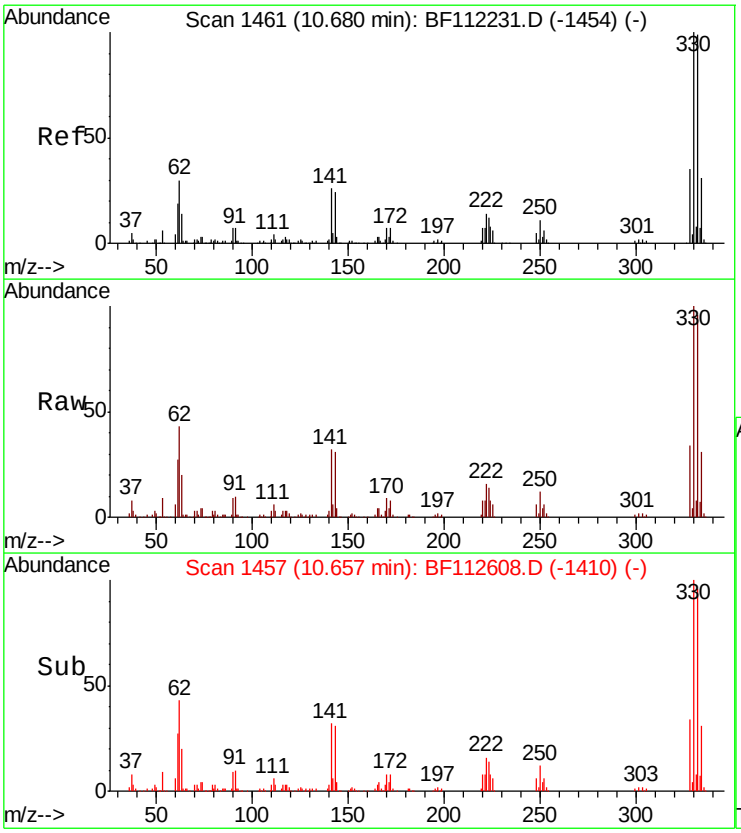
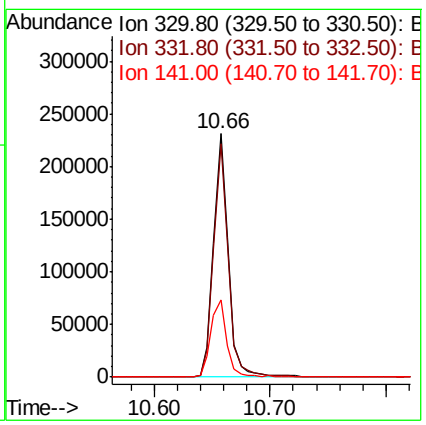
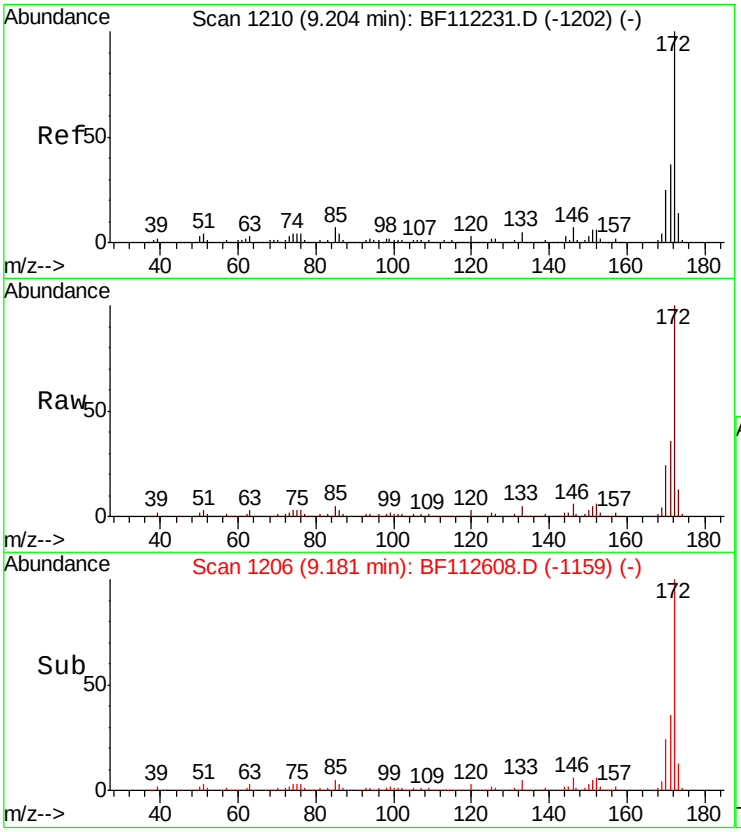



#42
2,4,6-Tribromophenol
Concen: 143.604 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:330 Resp: 206550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 76.6 | 114.8 |
| 141 | 34.4 | 24.3 | 36.5 |

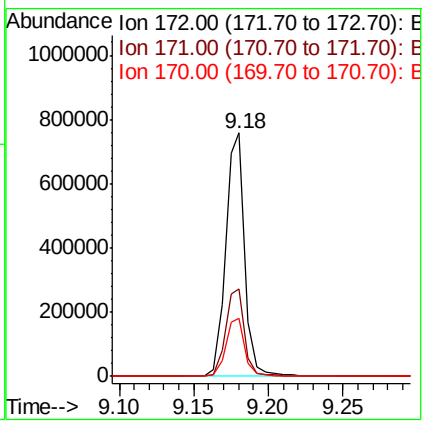





#45
2-Fluorobiphenyl
Concen: 78.464 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:172 Resp: 685541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 30.5 | 45.7 |
| 170 | 23.6 | 20.2 | 30.4 |

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**ClientSampleId :**
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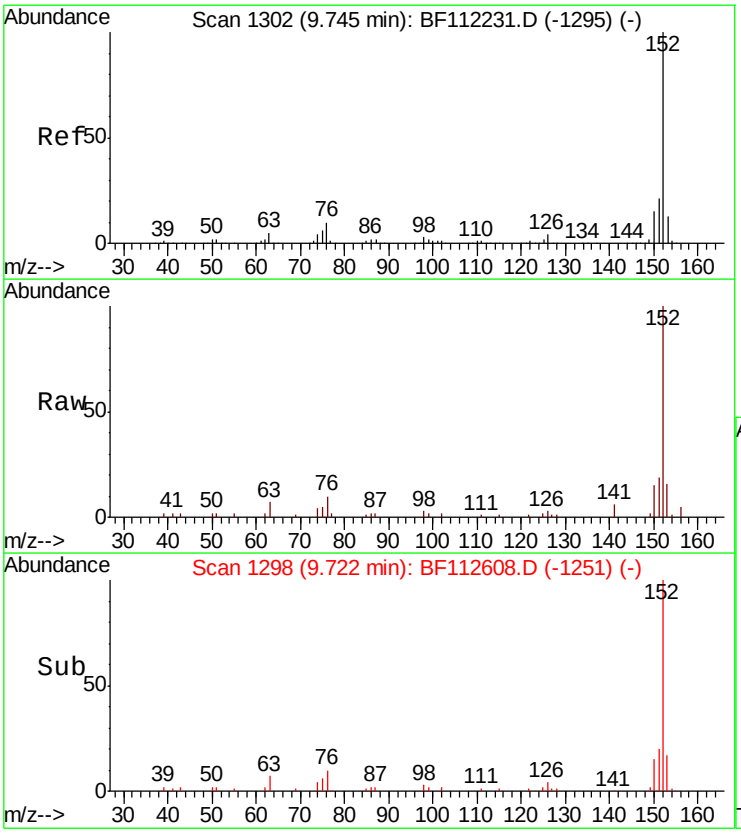
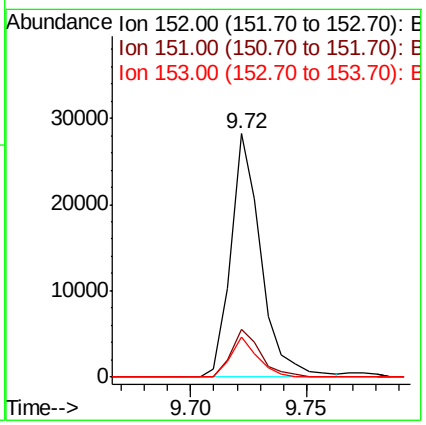
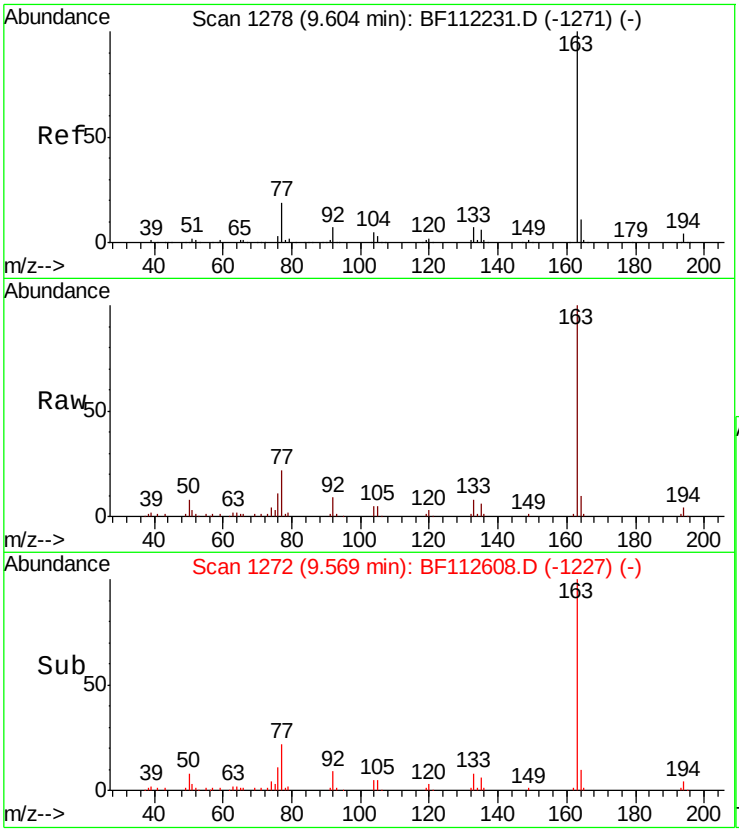



#49
Acenaphthylene
Concen: 2.091 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:152 Resp: 25671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.4 | 17.0 | 25.6 |
| 153 | 16.3 | 11.2 | 16.8 |

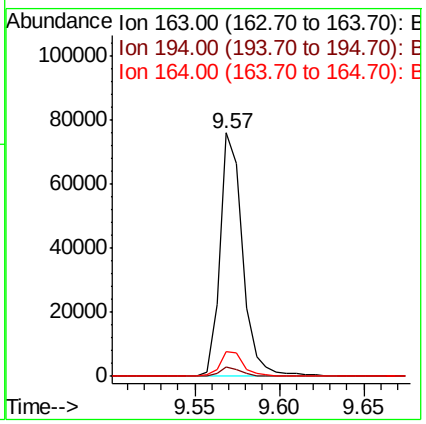





#50
Dimethylphthalate
Concen: 7.384 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:163 Resp: 70895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 10.0 | 8.5 | 12.7 |




**Instrument :**
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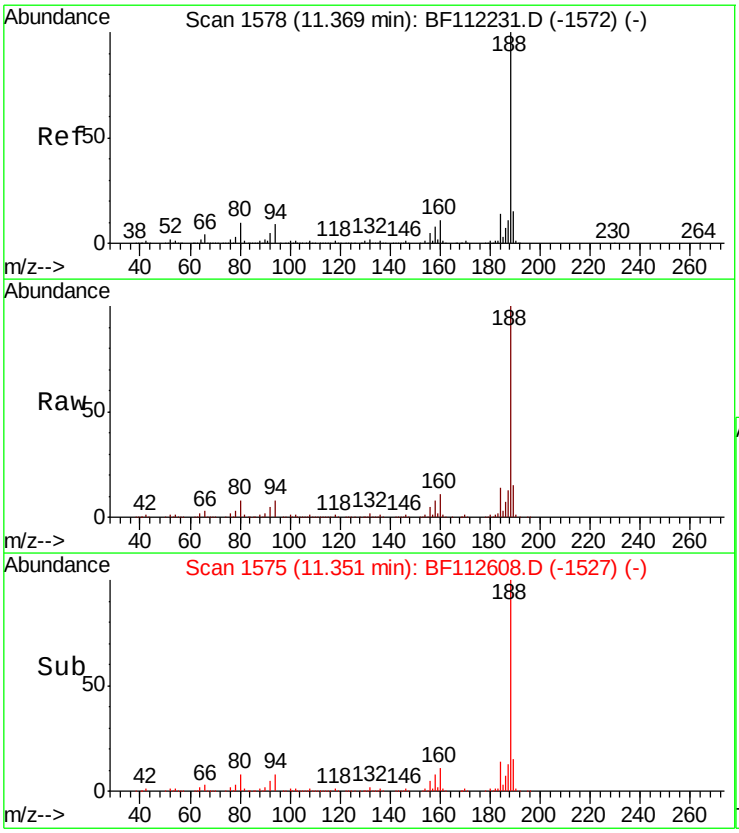
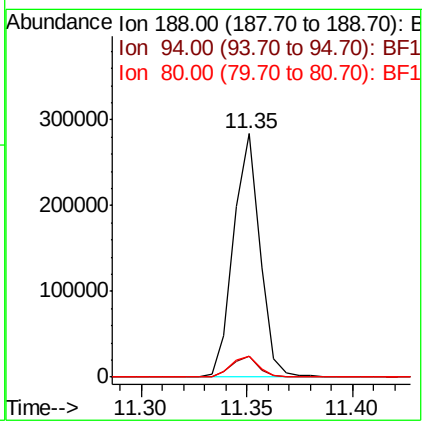
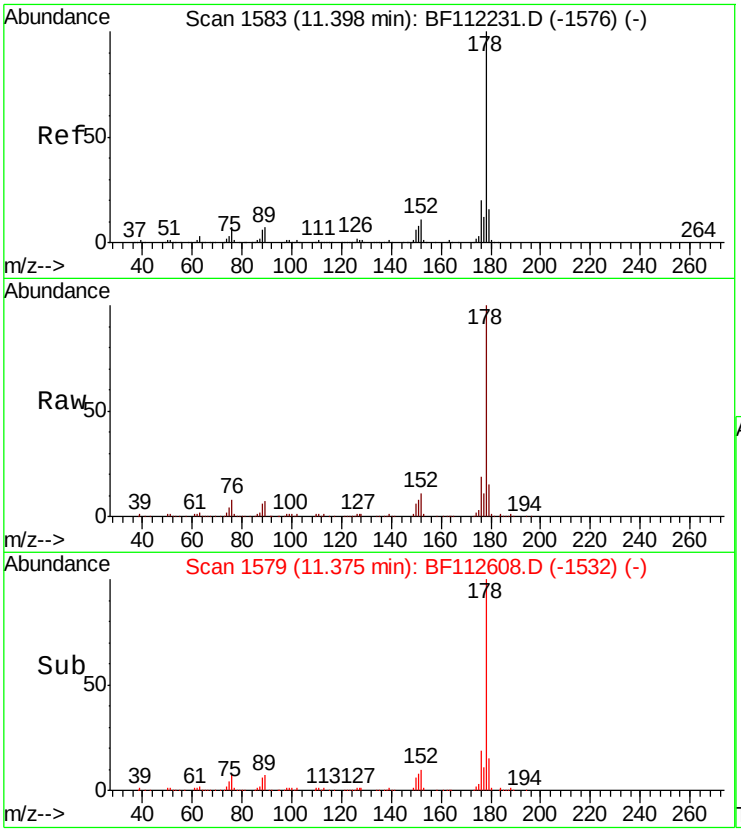



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:188 Resp: 244883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.4 | 8.2 | 12.2 |
| 80 | 8.5 | 8.9 | 13.3# |

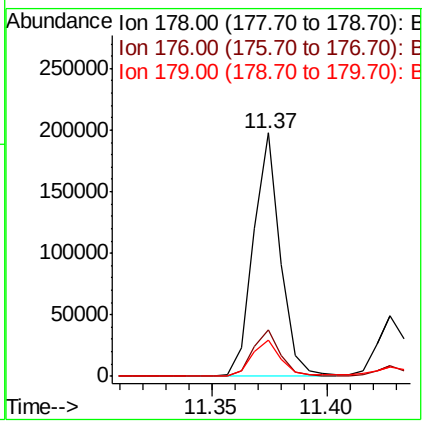





#71
Phenanthrene
Concen: 12.706 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:178 Resp: 161767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 16.3 | 24.5 |
| 179 | 14.8 | 13.0 | 19.4 |

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**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

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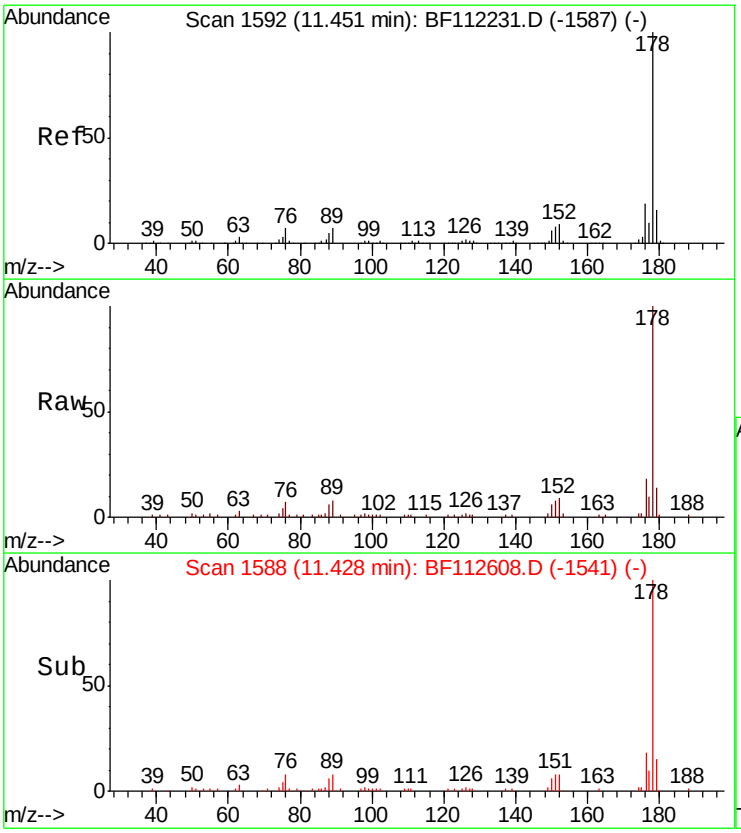
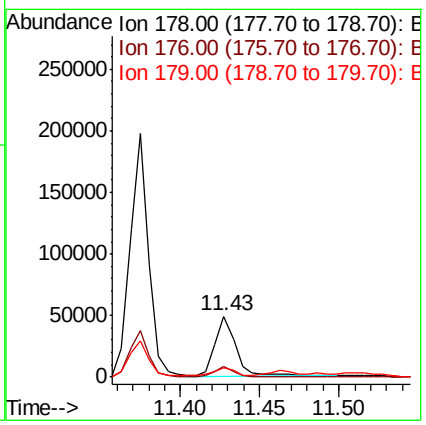
2/19/2019 9:38:54 AM

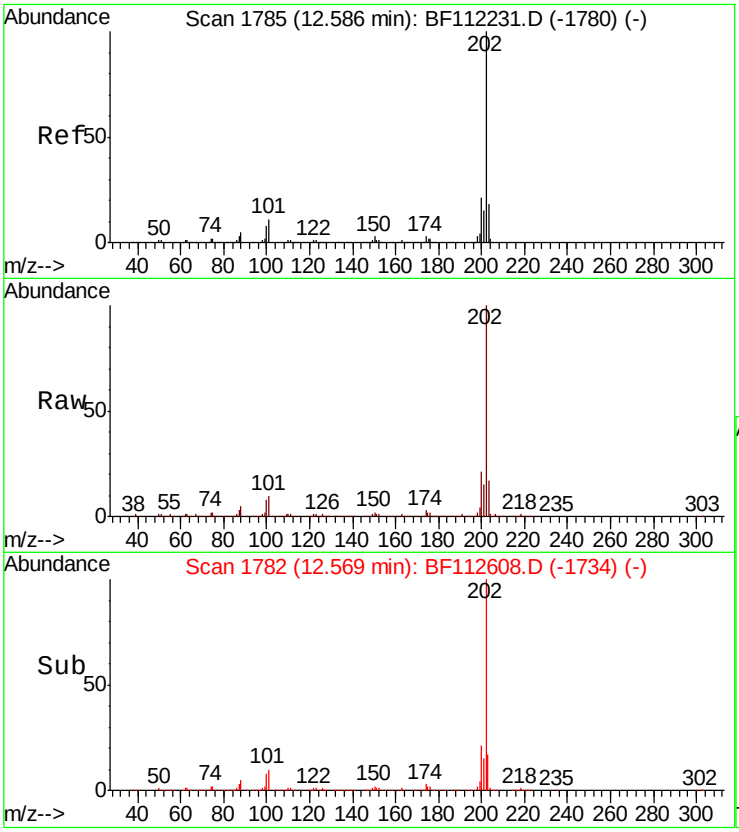



#72
Anthracene
Concen: 3.579 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:178 Resp: 45387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 15.5 | 23.3 |
| 179 | 14.5 | 12.8 | 19.2 |

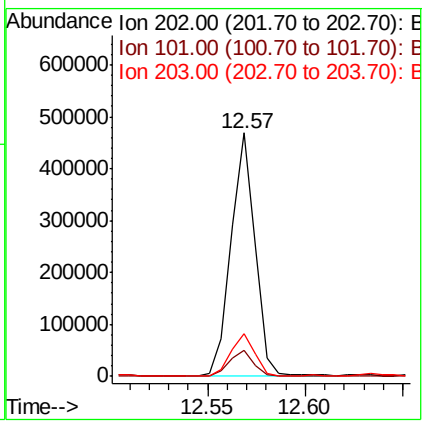





#75
Fluoranthene
Concen: 29.379 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

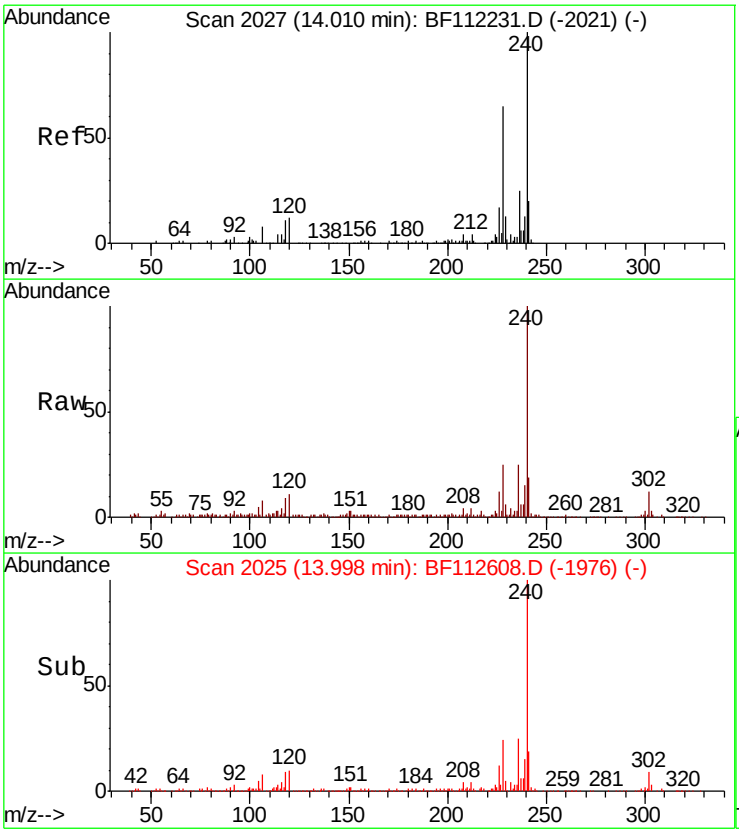
Tgt Ion:202 Resp: 401169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 0.0 | 31.8 |
| 203 | 17.3 | 0.0 | 38.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

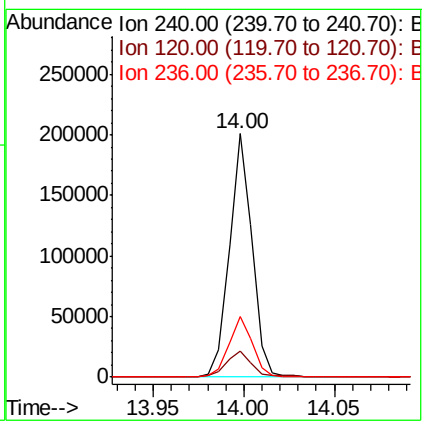
**Manual Integrations APPROVED**
Sohil
2/19/2019 9:38:54 AM

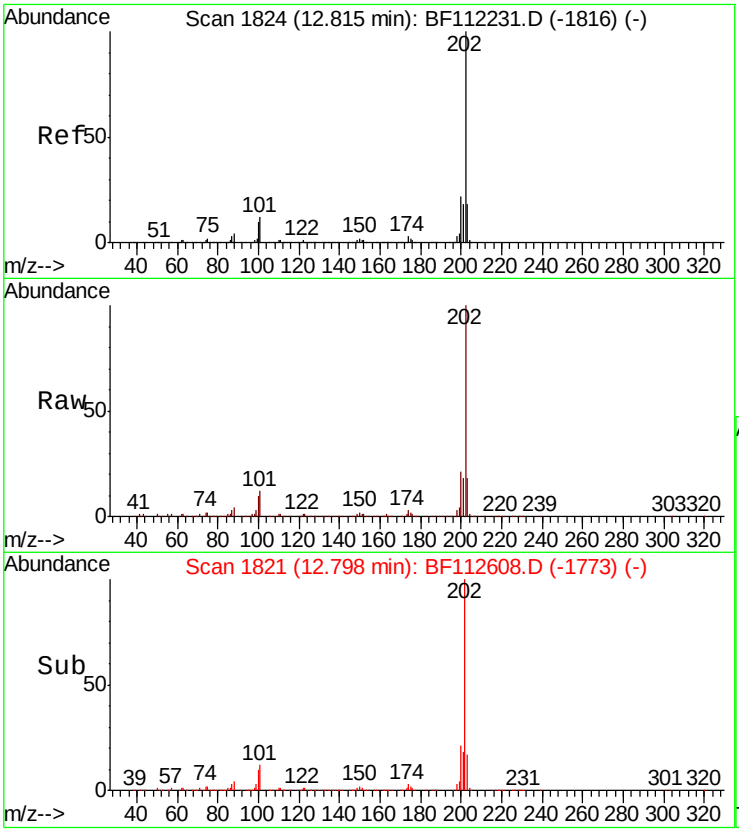



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:240 Resp: 175207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.6 | 9.0 | 13.6 |
| 236 | 24.7 | 20.7 | 31.1 |

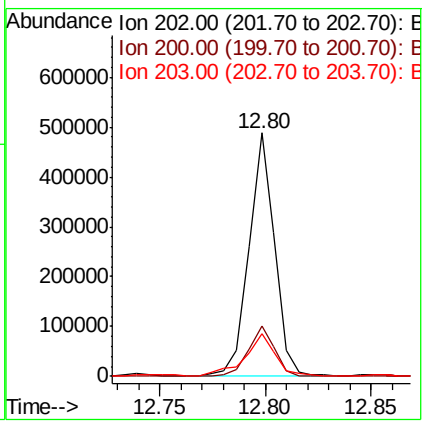





#78
Pyrene
Concen: 34.125 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:202 Resp: 413952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 17.7 | 26.5 |
| 203 | 17.6 | 14.6 | 22.0 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

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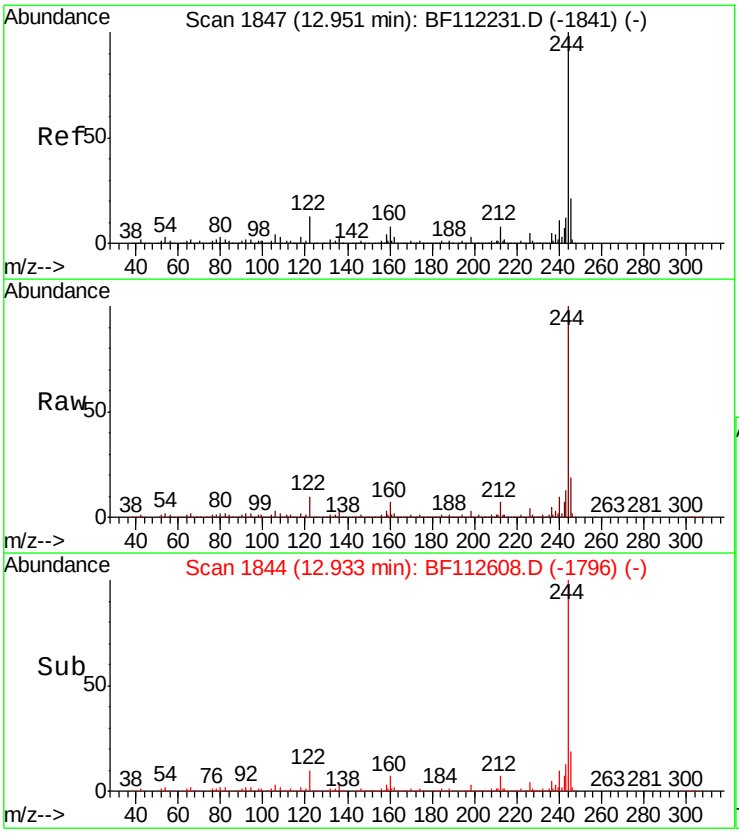
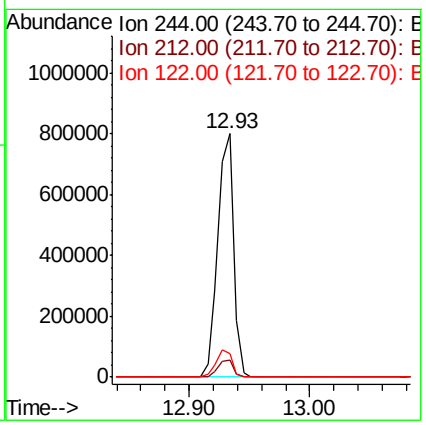
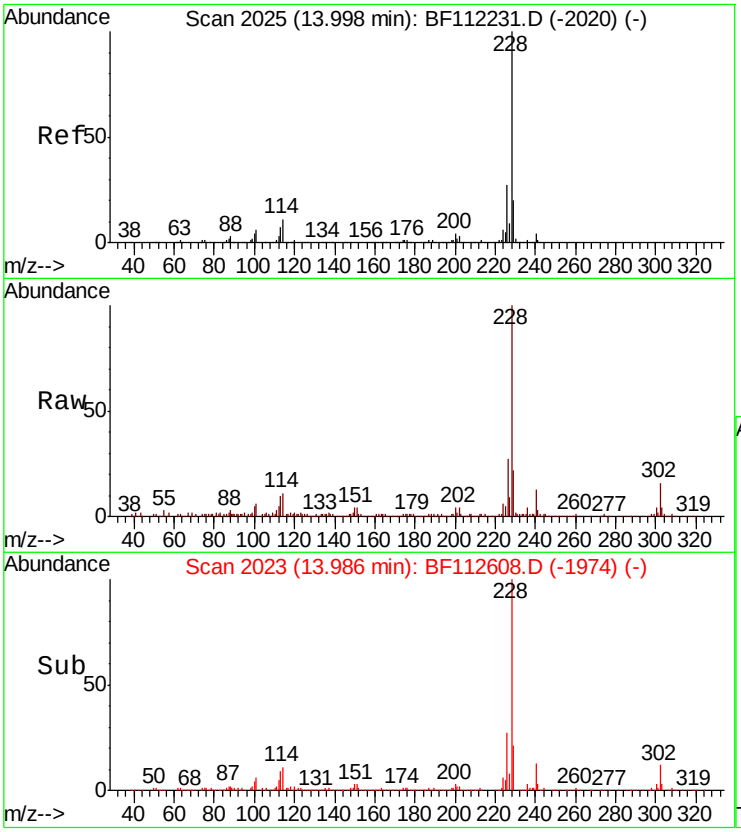



#79
Terphenyl-d14
Concen: 77.898 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:244 Resp: 724643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.9 | 8.9 |
| 122 | 9.6 | 9.8 | 14.6# |

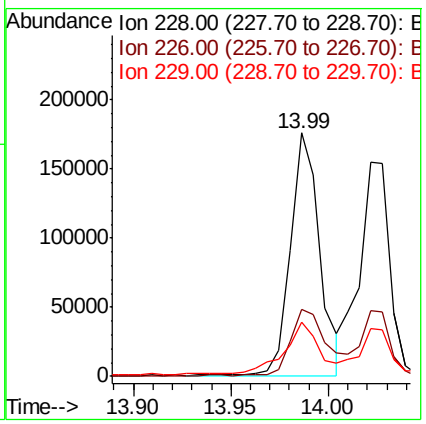





#81
Benzo(a)anthracene
Concen: 17.619 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:228 Resp: 181472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.3 | 22.6 | 34.0 |
| 229 | 22.3 | 16.5 | 24.7 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

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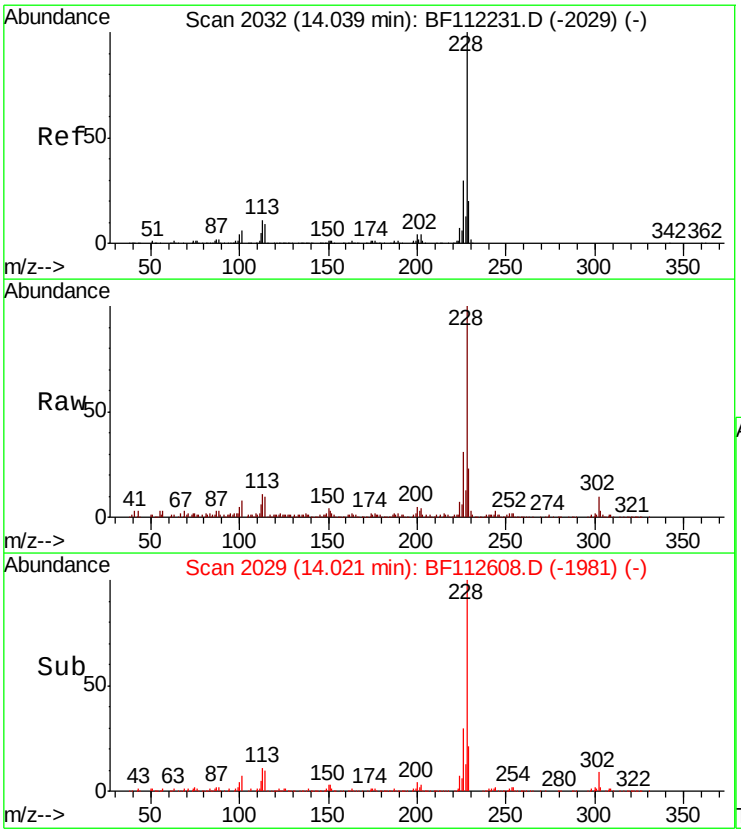
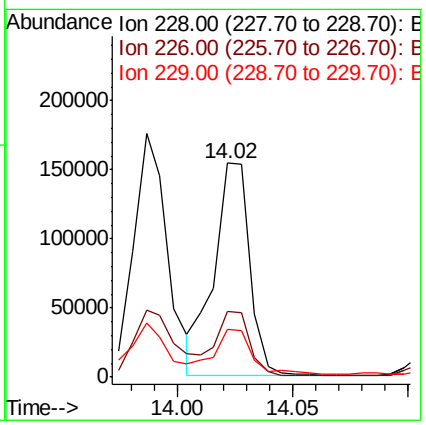
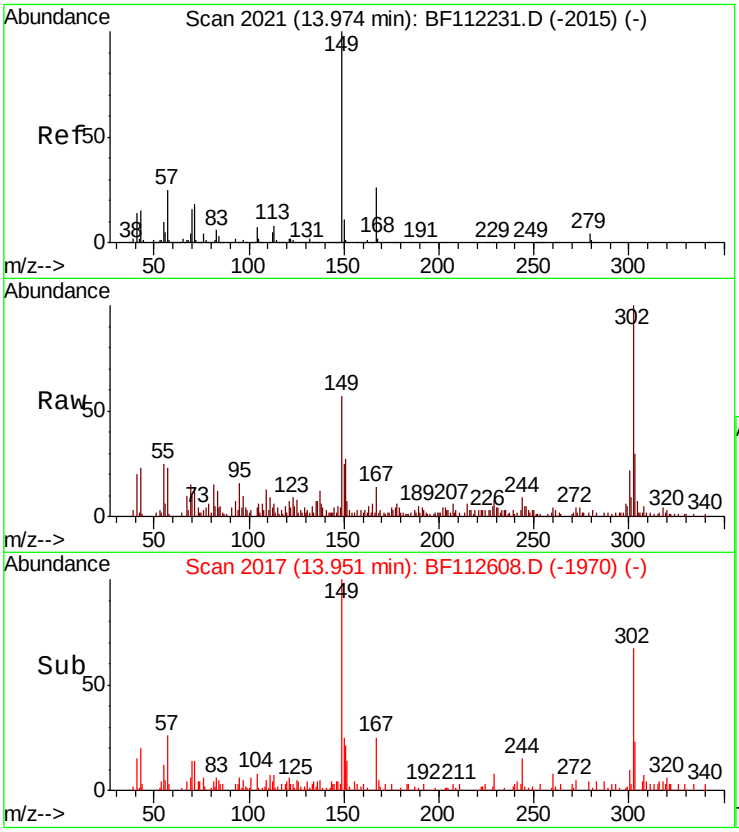



#83
Chrysene
Concen: 16.793 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:228 Resp: 165099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 25.0 | 37.6 |
| 229 | 22.6 | 16.6 | 24.8 |






#84
Bis(2-ethylhexyl)phthalate
Concen: 2.298 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:149 Resp: 19140

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.2 | 22.5 | 33.7 |
| 279 | 3.5 | 3.8 | 5.6# |

**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

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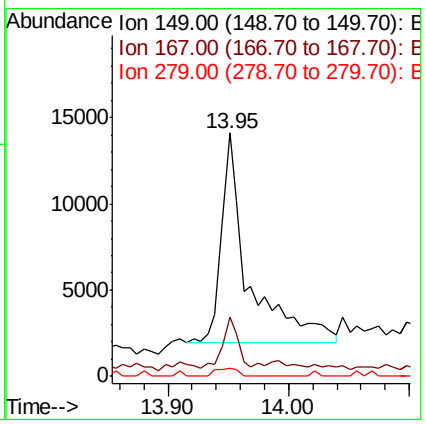
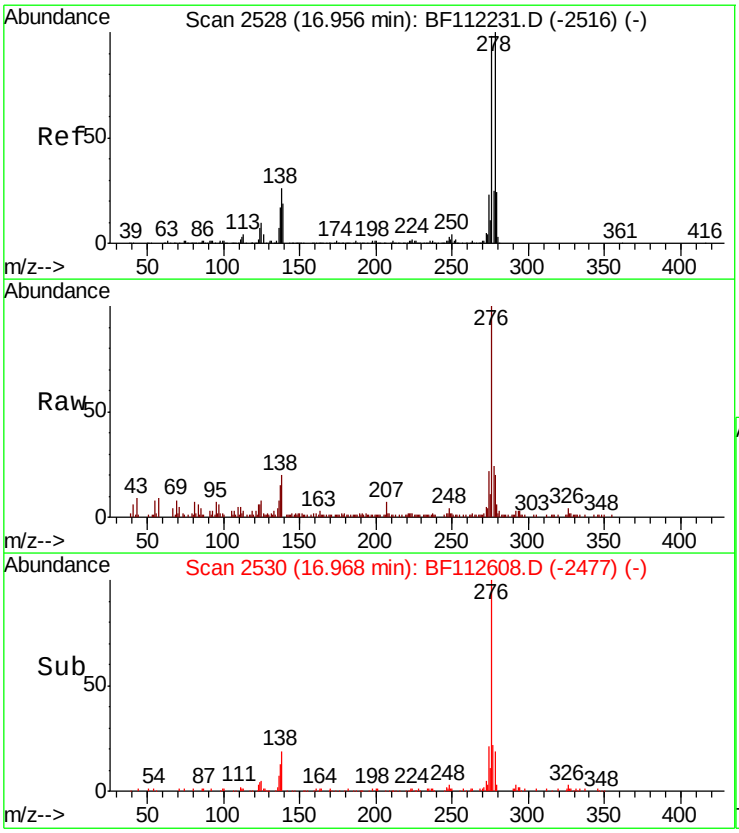
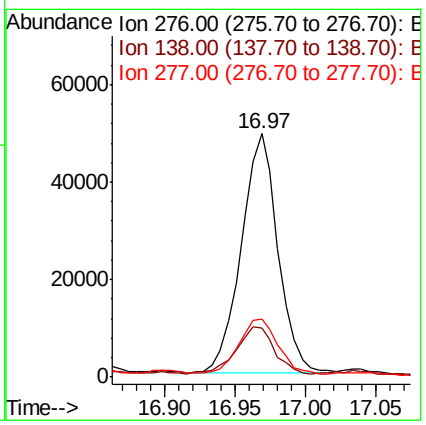


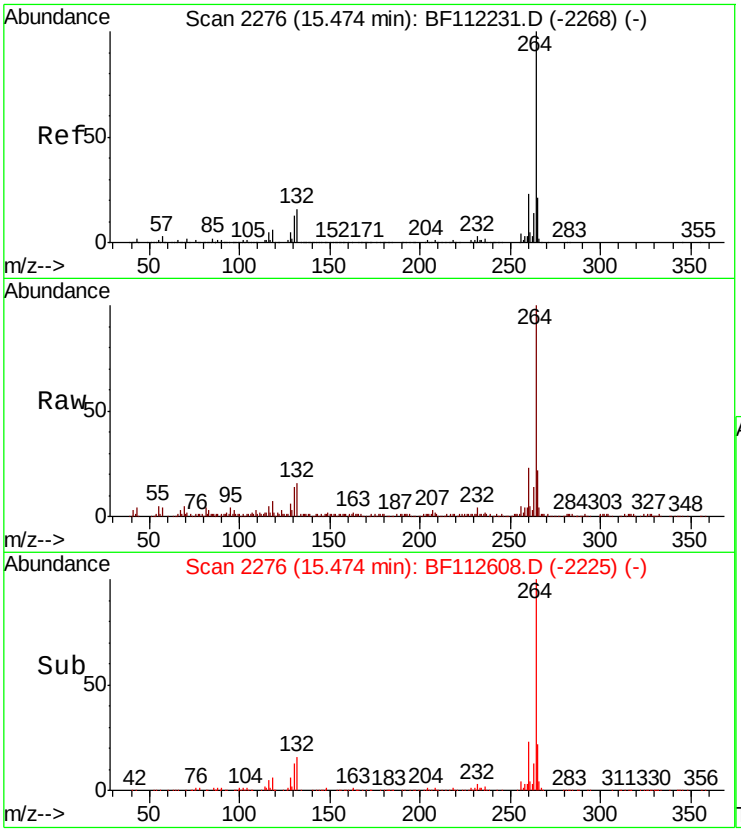




#86
Indeno(1,2,3-cd)pyrene
Concen: 11.496 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:276 Resp: 89554

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.8 | 22.6 | 34.0# |
| 277 | 25.1 | 20.3 | 30.5 |

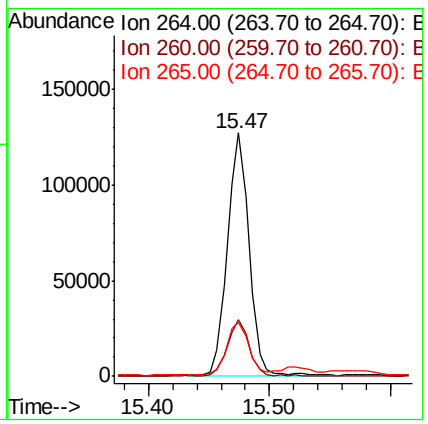





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:264 Resp: 160379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 18.2 | 27.2 |
| 265 | 22.3 | 17.0 | 25.4 |




**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

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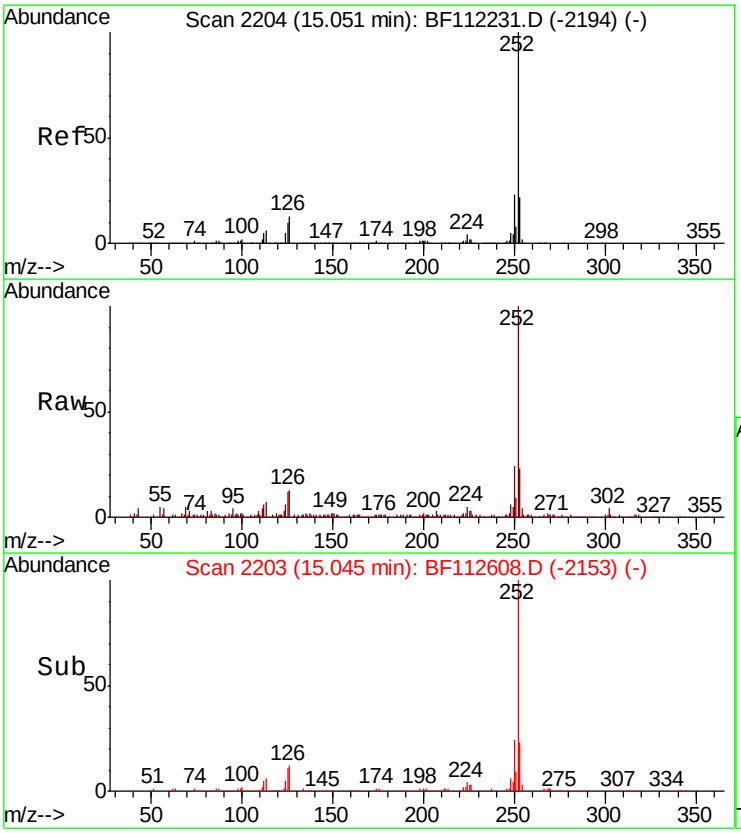
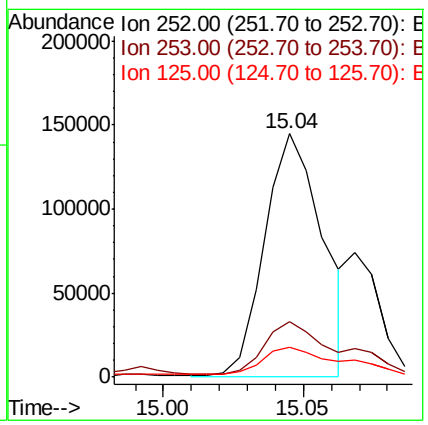
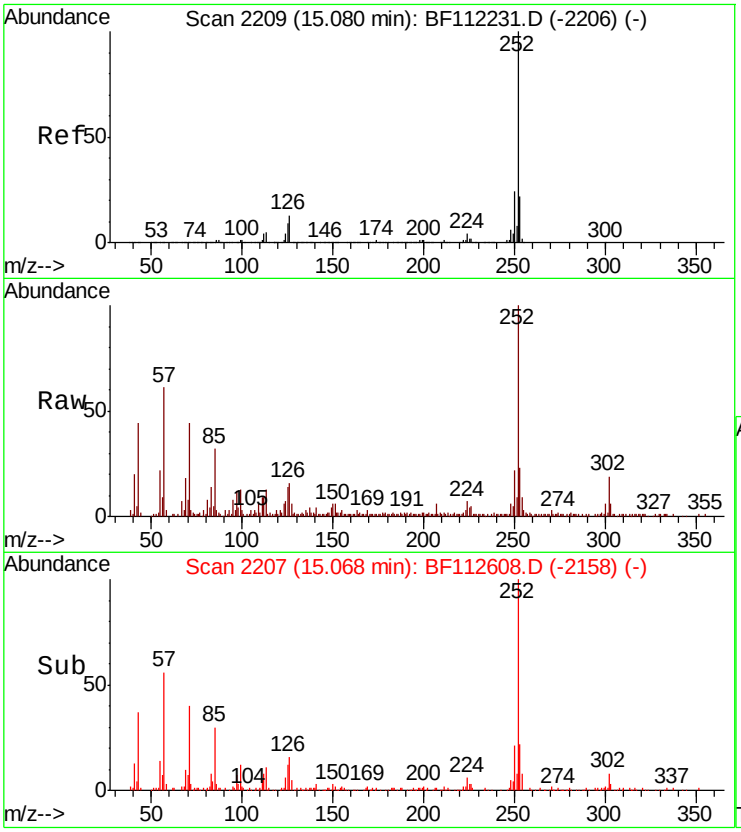



#88
Benzo(b)fluoranthene
Concen: 21.903 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:252 Resp: 210081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 18.0 | 27.0 |
| 125 | 12.2 | 8.7 | 13.1 |






#89
Benzo(k)fluoranthene
Concen: 6.582 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:252 Resp: 60467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 18.0 | 27.0 |
| 125 | 14.1 | 9.1 | 13.7# |

**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

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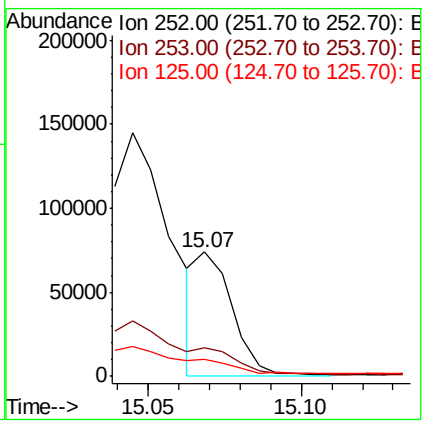
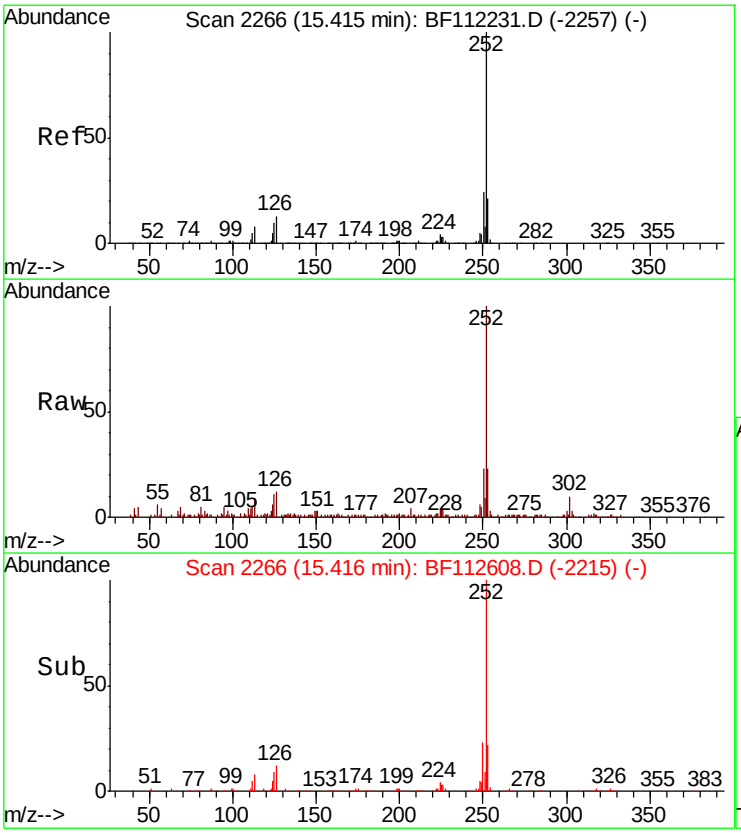
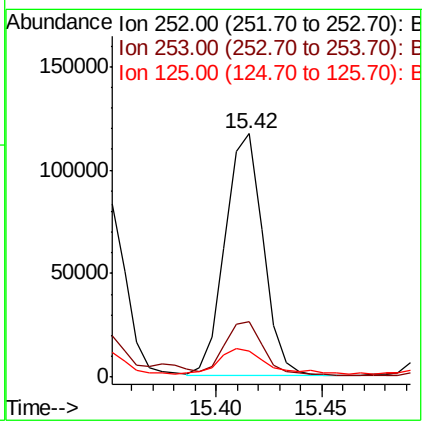


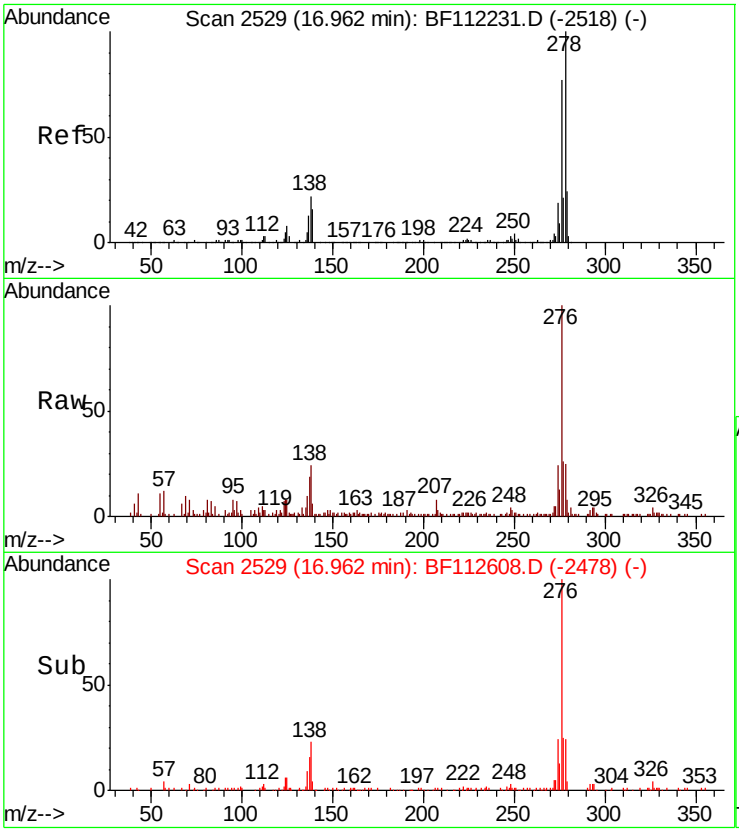




#90
Benzo(a)pyrene
Concen: 16.833 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:252 Resp: 145269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 17.5 | 26.3 |
| 125 | 10.6 | 9.0 | 13.4 |






#91
Dibenzo(a,h)anthracene
Concen: 3.763 ng m
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:278 Resp: 26177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 23.2 | 13.7 | 20.5# |
| 279 | 30.6 | 19.0 | 28.6# |

**Instrument :**
BNA_F
**ClientSampleId :**
CABLE-BRIDGE-FOUNDATION-D-5

**Manual Integrations APPROVED**
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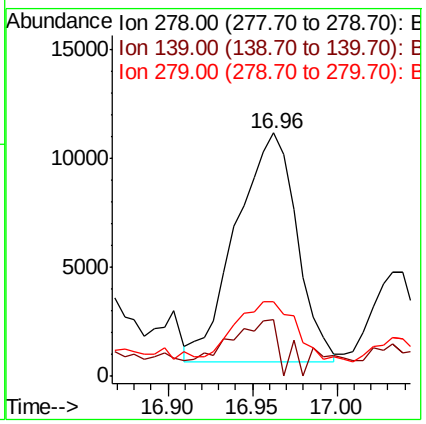


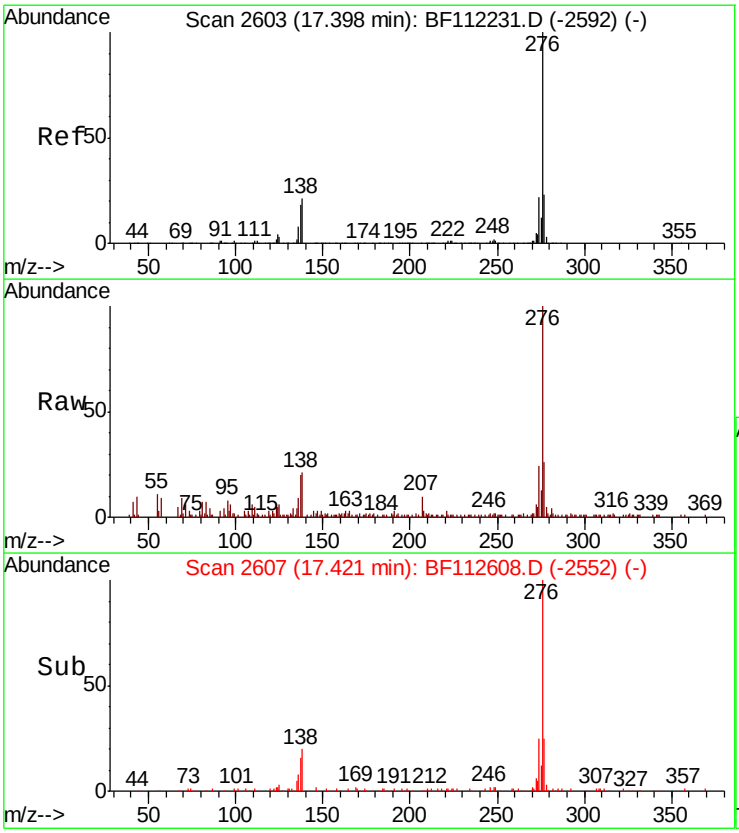


#92
Benzo(g,h,i)perylene
Concen: 12.521 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.02 min
Lab File: BF112608.D
Acq: 18 Feb 2019 18:33

Tgt Ion:276 Resp: 82168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 26.2 | 19.4 | 29.0 |
| 138 | 21.2 | 19.1 | 28.7 |