Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116753.D
Acq On : 1 Sep 2019 20:03
Operator : HP/JU
Sample : K4547-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Sep 02 05:27:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 87640 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 385778 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.88 | 164 | 222168 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 299325 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.02 | 240 | 178653 | 20.00 | ng | | 0.02 |
| 87) Perylene-d12 | 15.50 | 264 | 156516 | 20.00 | ng | | 0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 481324 | 88.97 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 692519 | 97.49 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 425609 | 62.98 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 155561 | 104.74 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 836625 | 63.52 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 609699 | 63.13 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.49 | 94 | 57092 | 7.258 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 57270 | 12.245 | ng | # | 73 |
| 22) Acetophenone | 7.25 | 105 | 38612 | 4.157 | ng | # | 89 |
| 25) Isophorone | 7.40 | 82 | 422541 | 30.857 | ng | # | 67 |
| 50) Dimethylphthalate | 9.59 | 163 | 133994 | 8.736 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.67 | 198 | 2669 | 9.496 | ng | # | 1 |
| 71) Phenanthrene | 11.39 | 178 | 36110 | 2.167 | ng | # | 62 |
| 75) Fluoranthene | 12.59 | 202 | 62015 | 3.787 | ng | # | 58 |
| 78) Pyrene | 12.82 | 202 | 50998 | 3.211 | ng | # | 58 |
| 80) Butylbenzylphthalate | 13.43 | 149 | 64874 | 8.400 | ng | # | 63 |
| 83) Chrysene | 14.04 | 228 | 32706 | 2.808 | ng | # | 65 |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 1161799 | 121.867 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 58322 | 6.163 | ng | # | 1 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 58322 | 6.760 | ng | # | 1 |
| 90) Benzo(a)pyrene | 15.43 | 252 | 20483 | 2.488 | ng | # | 1 |
| 92) Benzo(g,h,i)perylene | 17.40 | 276 | 19710 | 2.682 | ng | # | 31 |

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

Quantitation Report (Not Reviewed)

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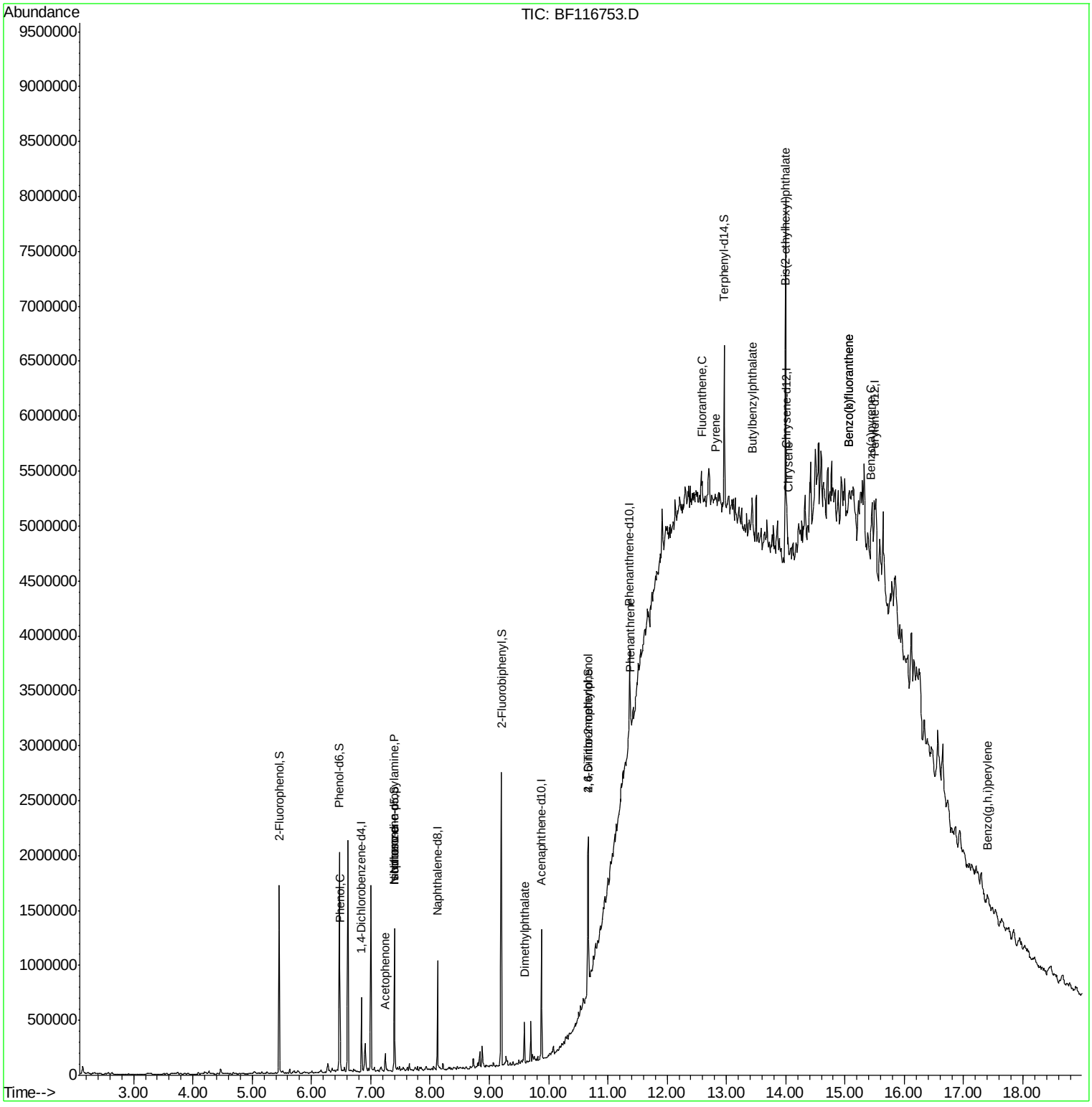
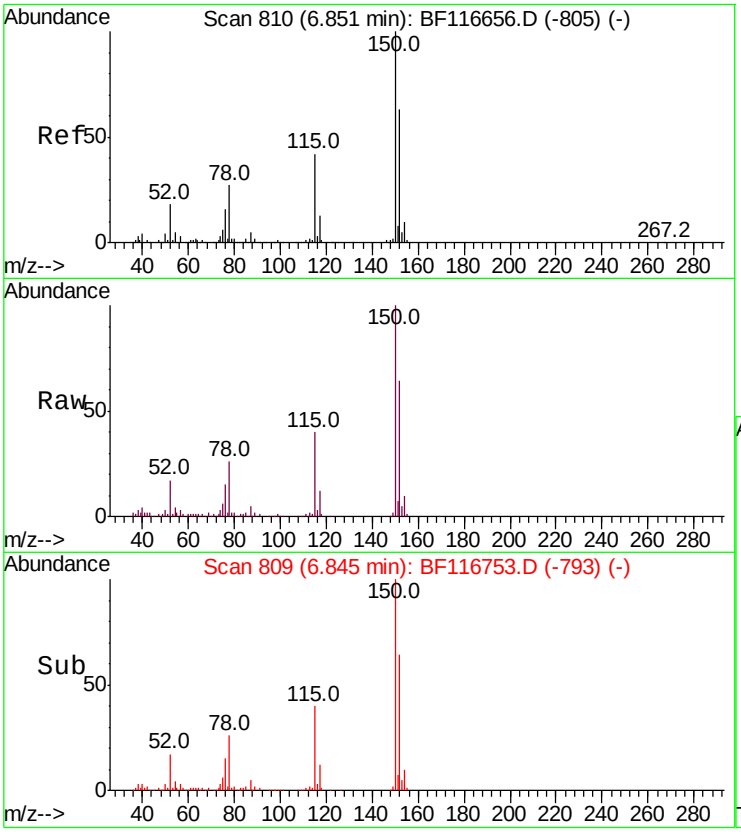
Data File : BF116753.D
Acq On : 1 Sep 2019 20:03
Operator : HP/JU
Sample : K4547-10
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Sep 02 05:27:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration



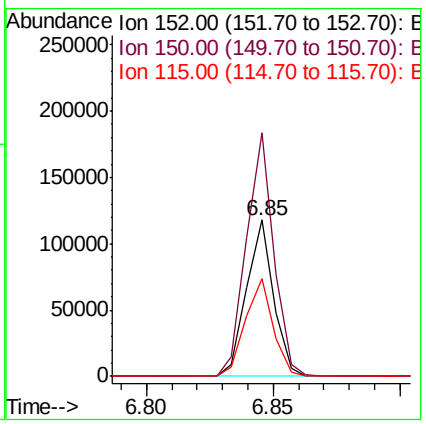


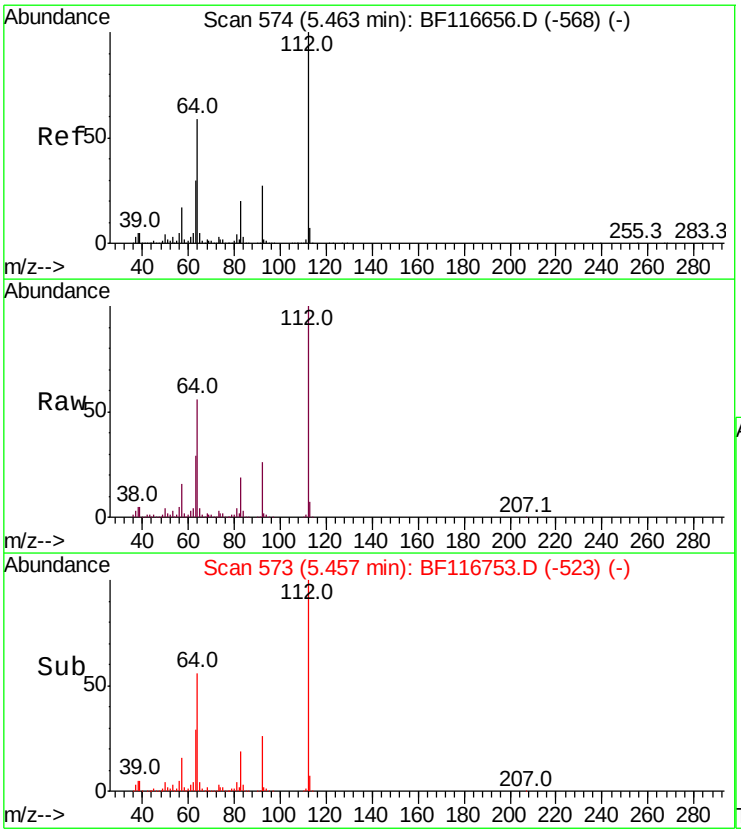

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 87640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.6 | 124.4 | 186.6 |
| 115 | 62.5 | 49.9 | 74.9 |

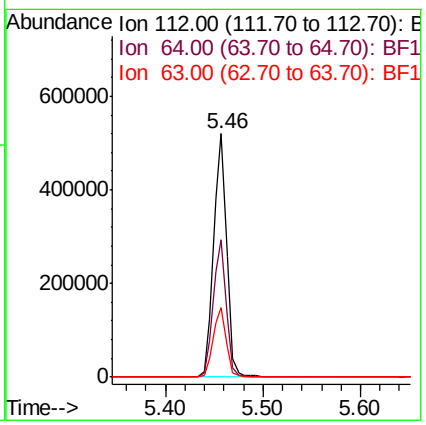


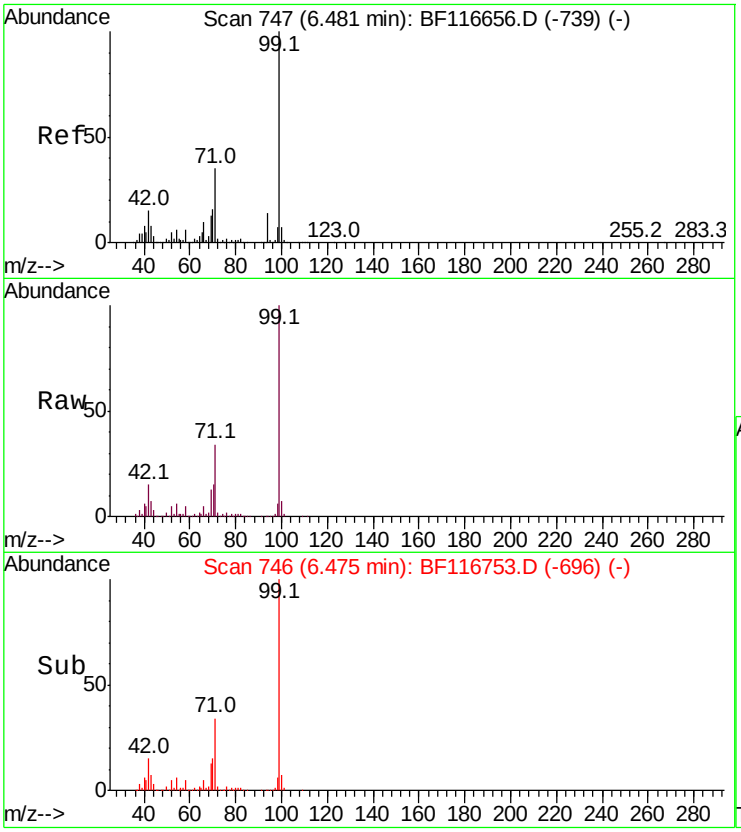




#5
2-Fluorophenol
Concen: 88.974 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:112 Resp: 481324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.2 | 47.1 | 70.7 |
| 63 | 28.8 | 24.9 | 37.3 |



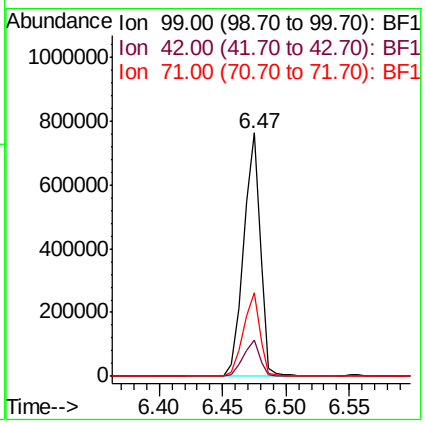


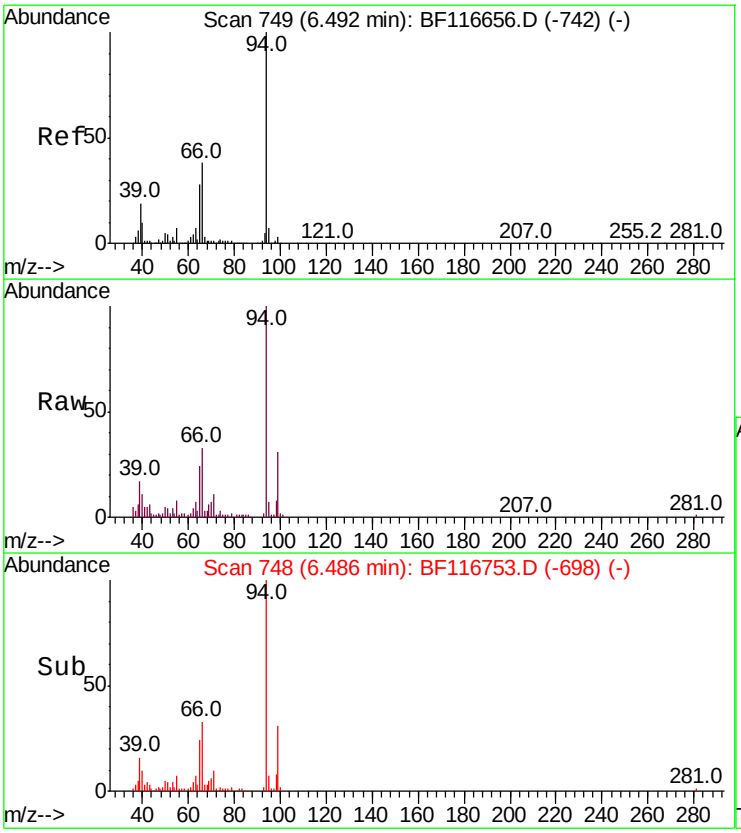

#7
Phenol-d6
Concen: 97.490 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 692519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.8 | 13.7 | 20.5 |
| 71 | 34.3 | 30.8 | 46.2 |

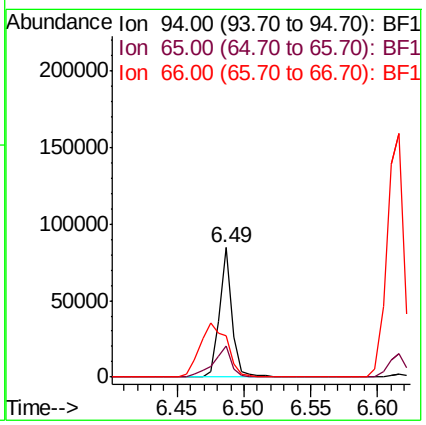


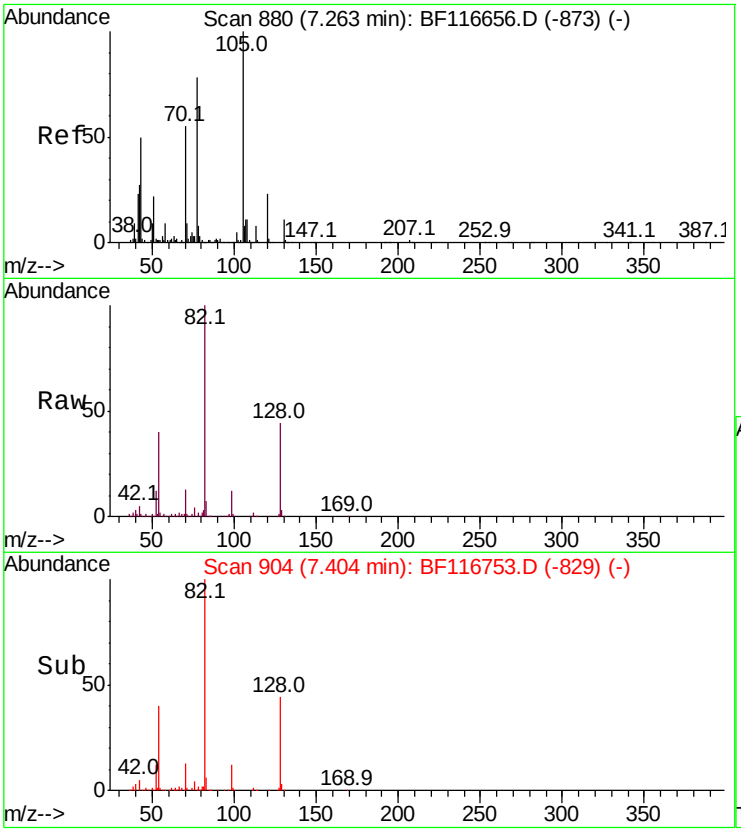




#10
Phenol
Concen: 7.258 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion: 94 Resp: 57092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 24.4 | 10.8 | 50.8 |
| 66 | 32.5 | 21.1 | 61.1 |



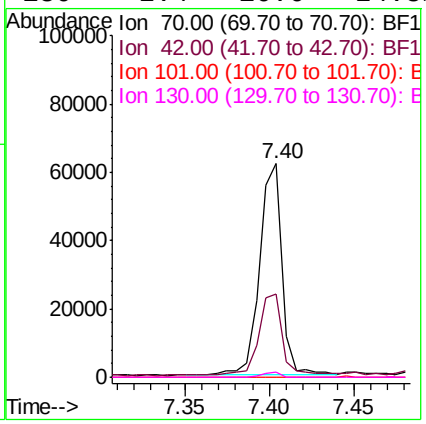


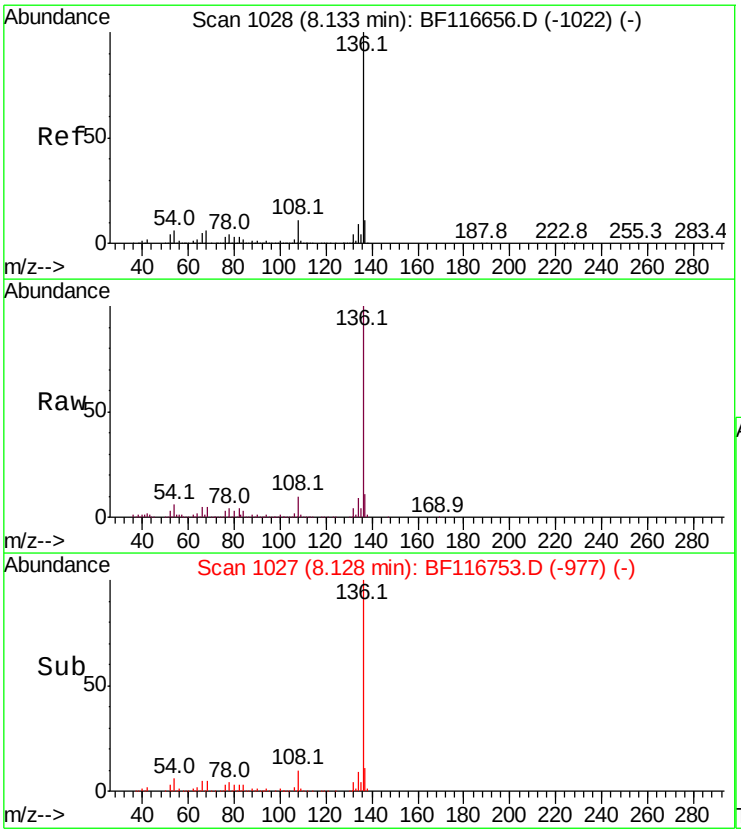

#19
n-Nitroso-di-n-propylamine
Concen: 12.245 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 70 Resp: 57270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 38.8 | 43.5 | 65.3# |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 2.4 | 16.6 | 24.8# |

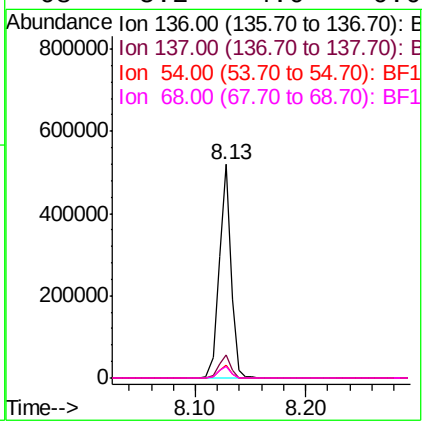


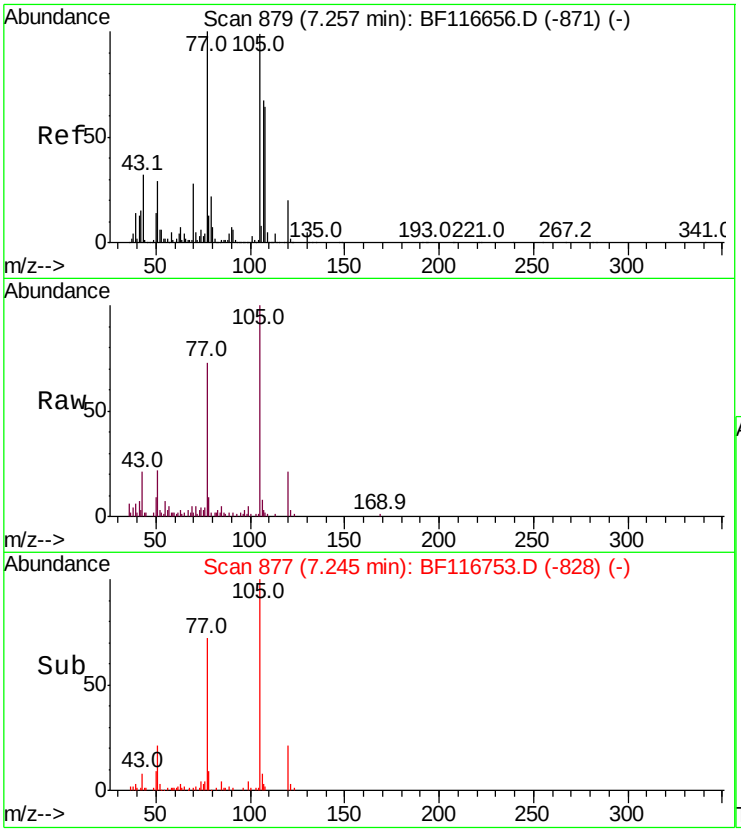




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:136 Resp: 385778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.9 | 13.3 |
| 54 | 5.7 | 4.8 | 7.2 |
| 68 | 5.2 | 4.0 | 6.0 |



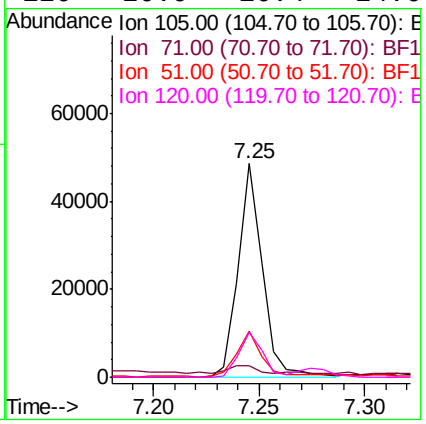


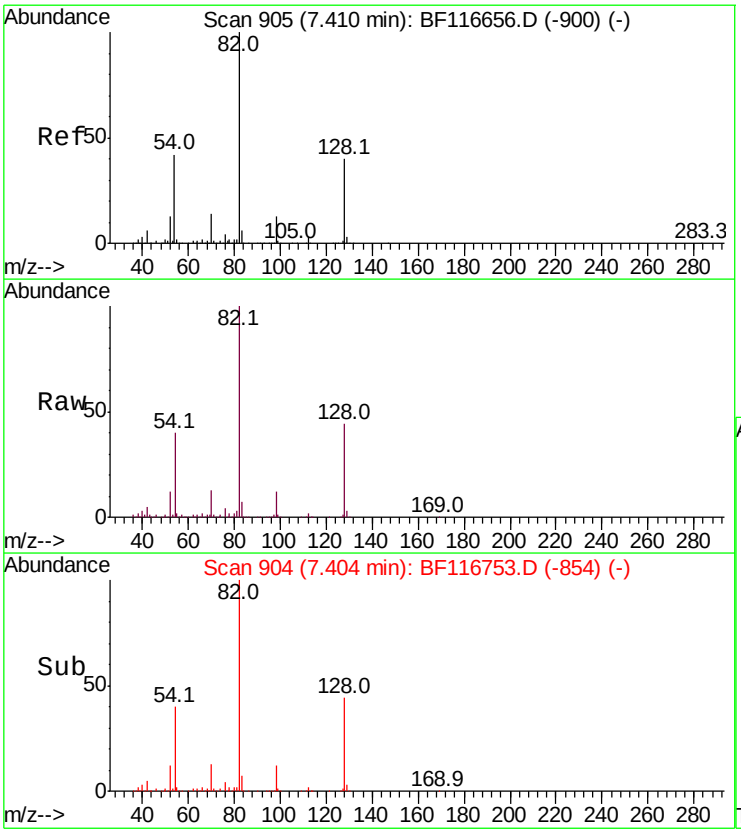

#22
Acetophenone
Concen: 4.157 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:105 Resp: 38612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 71 | 5.3 | 4.2 | 6.4 |
| 51 | 21.6 | 25.8 | 38.8# |
| 120 | 20.9 | 16.4 | 24.6 |

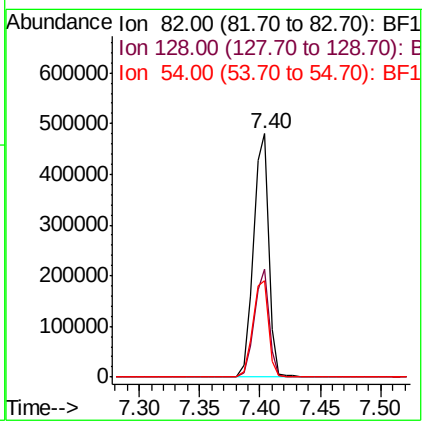


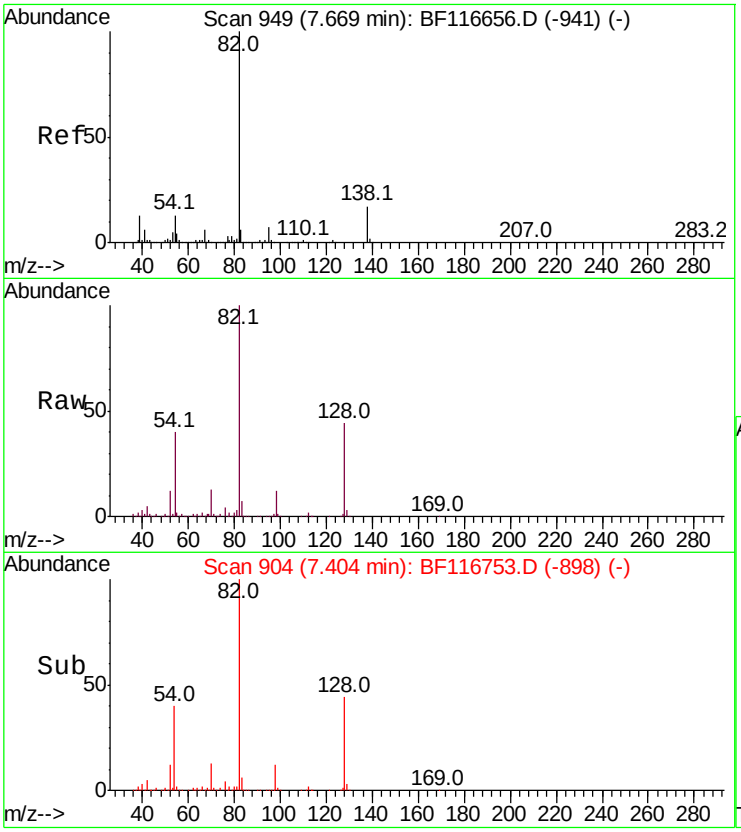




#23
Nitrobenzene-d5
Concen: 62.982 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion: 82 Resp: 425609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.3 | 32.8 | 49.2 |
| 54 | 39.7 | 36.9 | 55.3 |



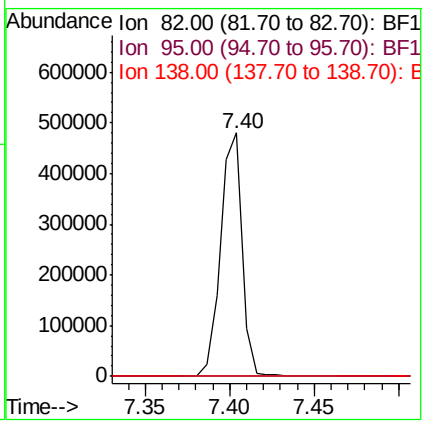


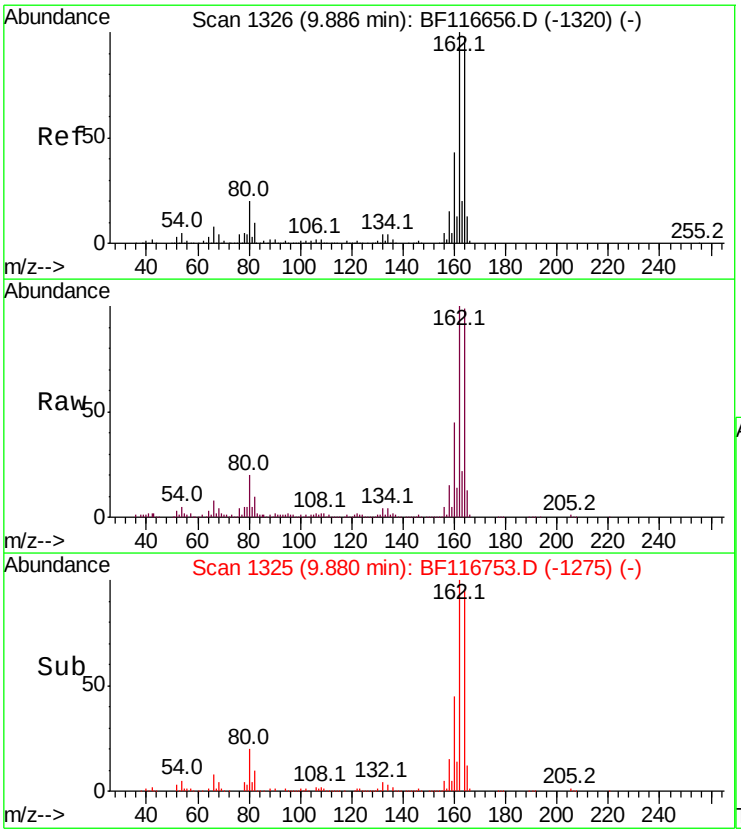

#25
Isophorone
Concen: 30.857 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 422541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.8 | 8.6# |
| 138 | 0.0 | 13.5 | 20.3# |

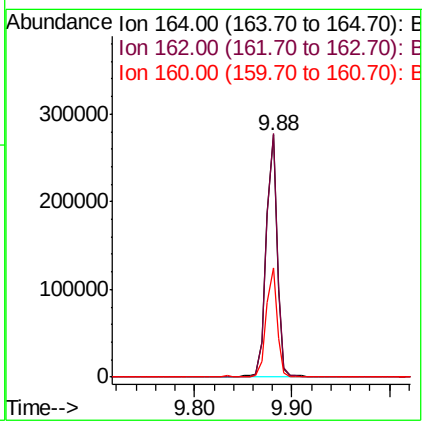


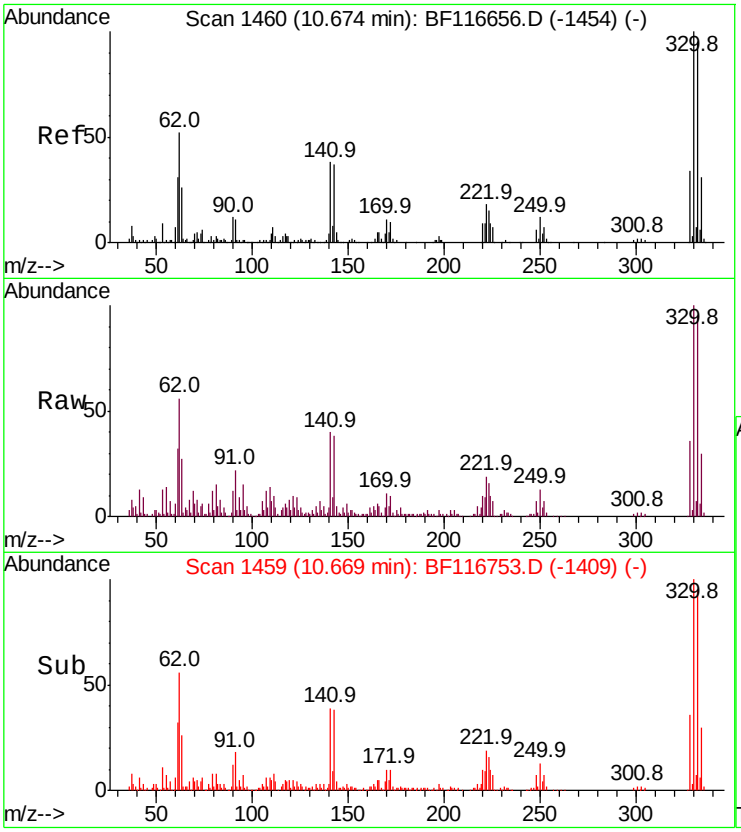




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:164 Resp: 222168

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.7 | 81.4 | 122.0 |
| 160 | 44.9 | 35.4 | 53.2 |



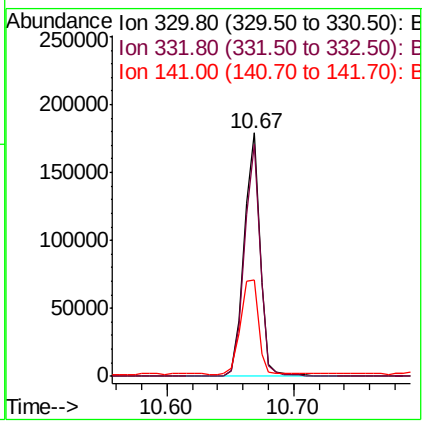


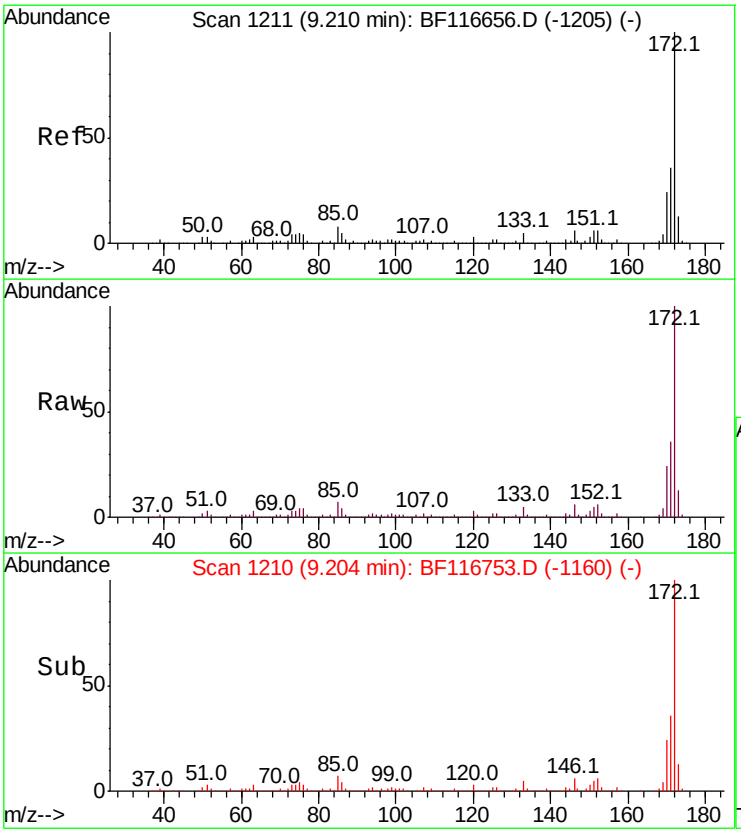

#42
2,4,6-Tribromophenol
Concen: 104.738 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 155561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 76.9 | 115.3 |
| 141 | 43.8 | 31.4 | 47.2 |

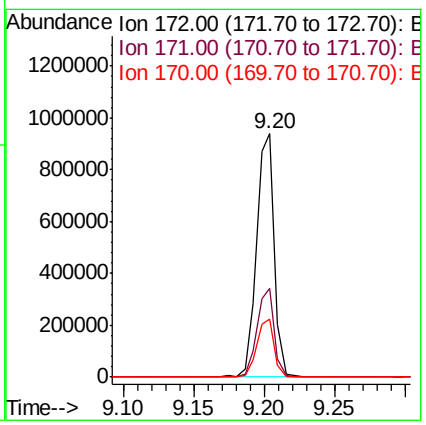


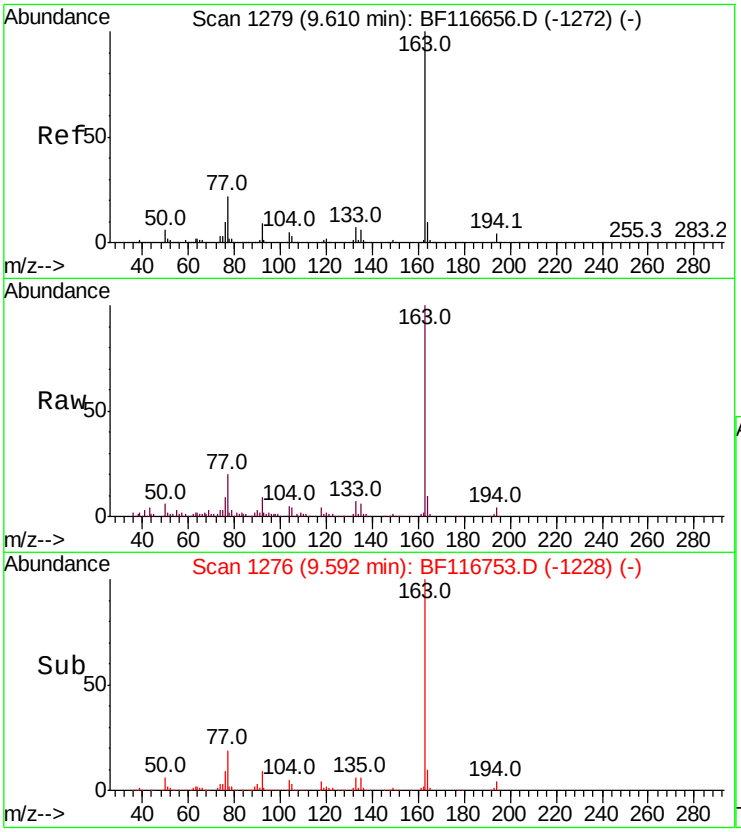




#45
2-Fluorobiphenyl
Concen: 63.524 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:172 Resp: 836625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 27.8 | 41.6 |
| 170 | 23.9 | 18.9 | 28.3 |



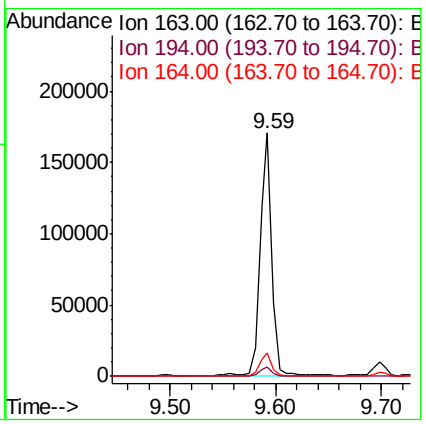


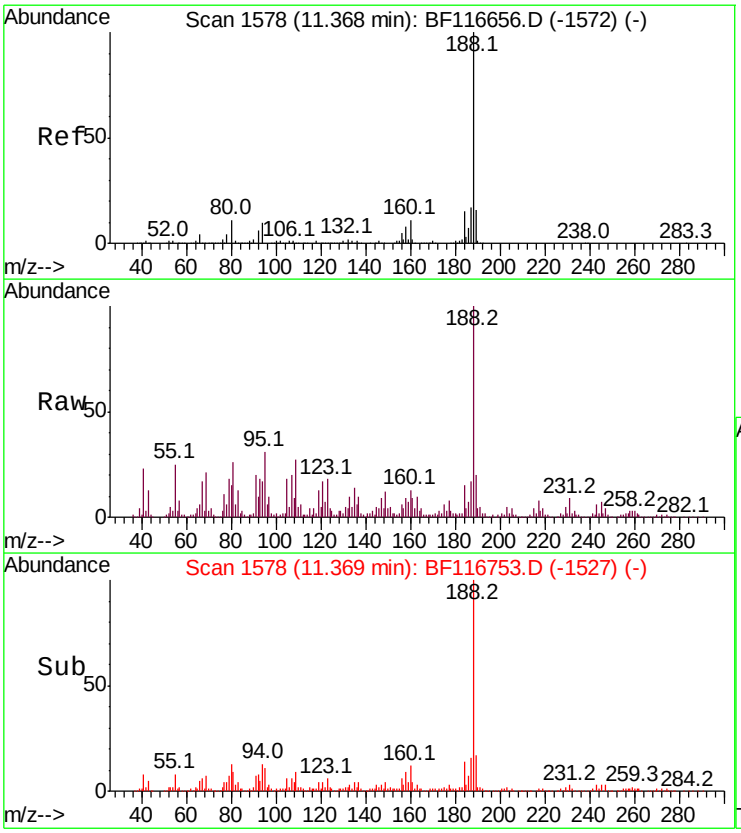

#50
Dimethylphthalate
Concen: 8.736 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:163 Resp: 133994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 2.8 | 4.2 |
| 164 | 9.8 | 8.6 | 12.8 |

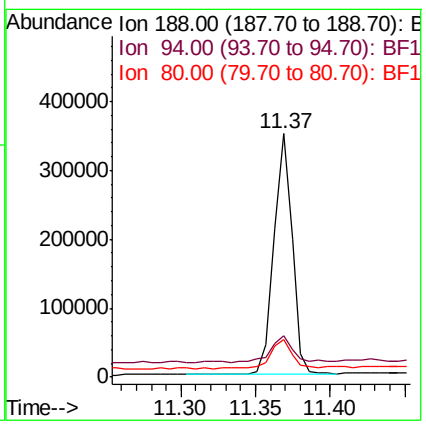


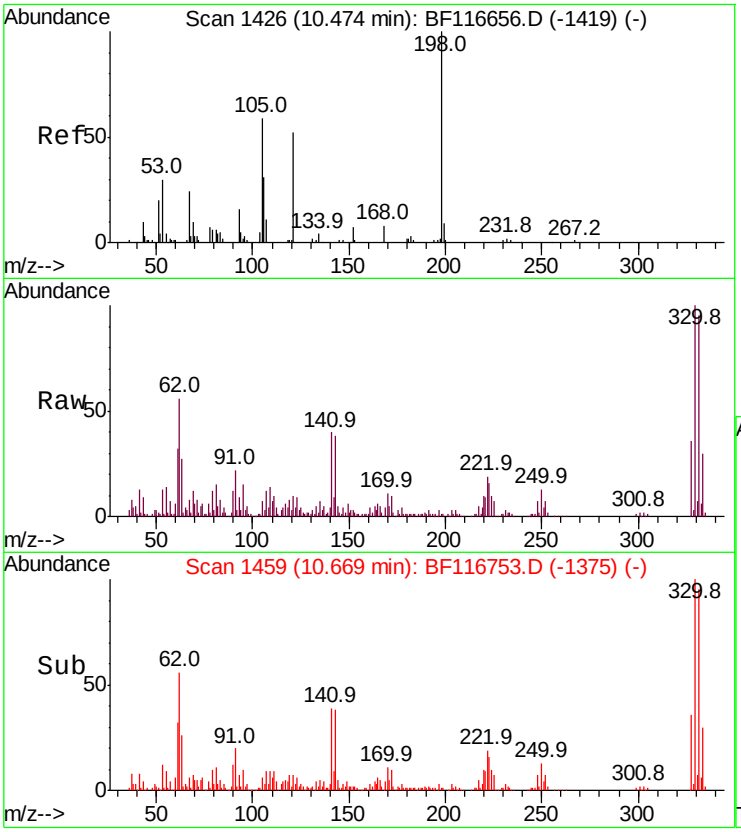




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.00 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:188 Resp: 299325

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 17.1 | 7.3 | 10.9# |
| 80 | 15.3 | 8.4 | 12.6# |



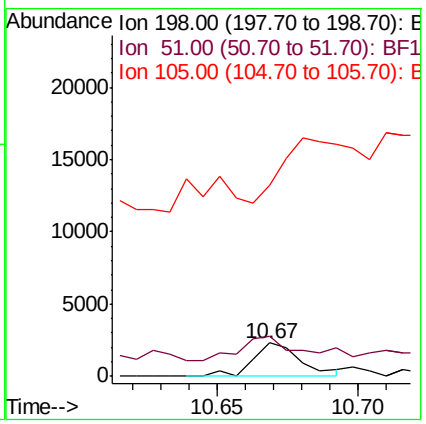


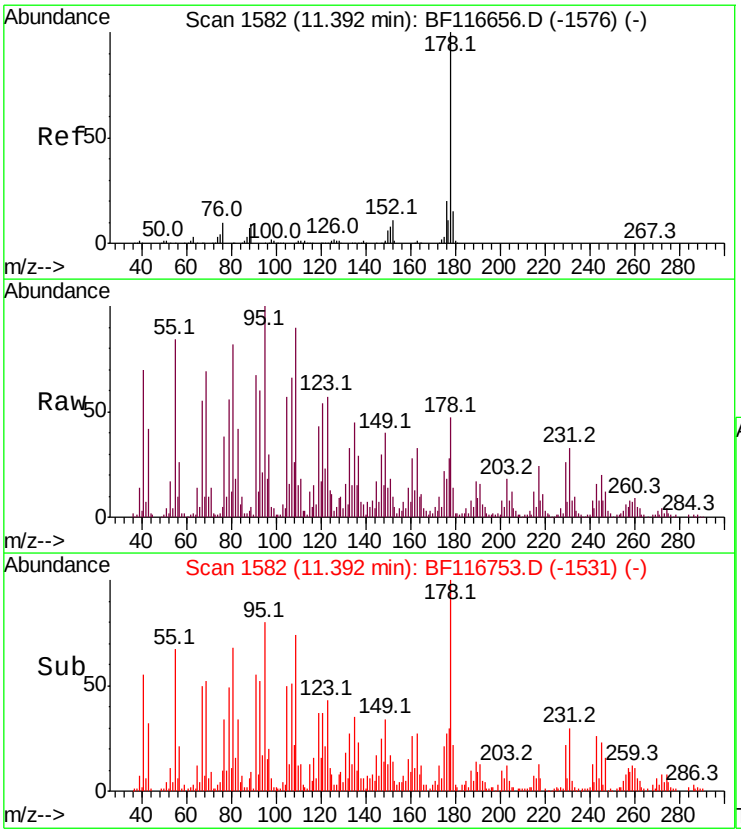

#65
4,6-Dinitro-2-methylphenol
Concen: 9.496 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:198 Resp: 2669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 122.2 | 18.4 | 58.4# |
| 105 | 573.5 | 22.9 | 62.9# |

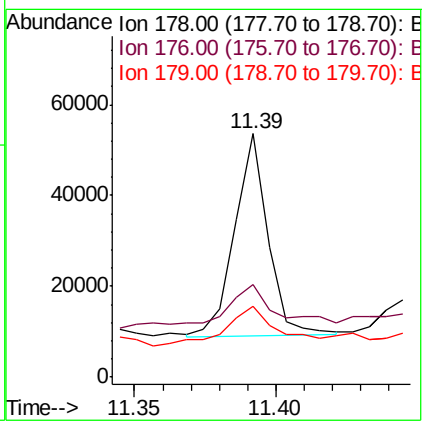


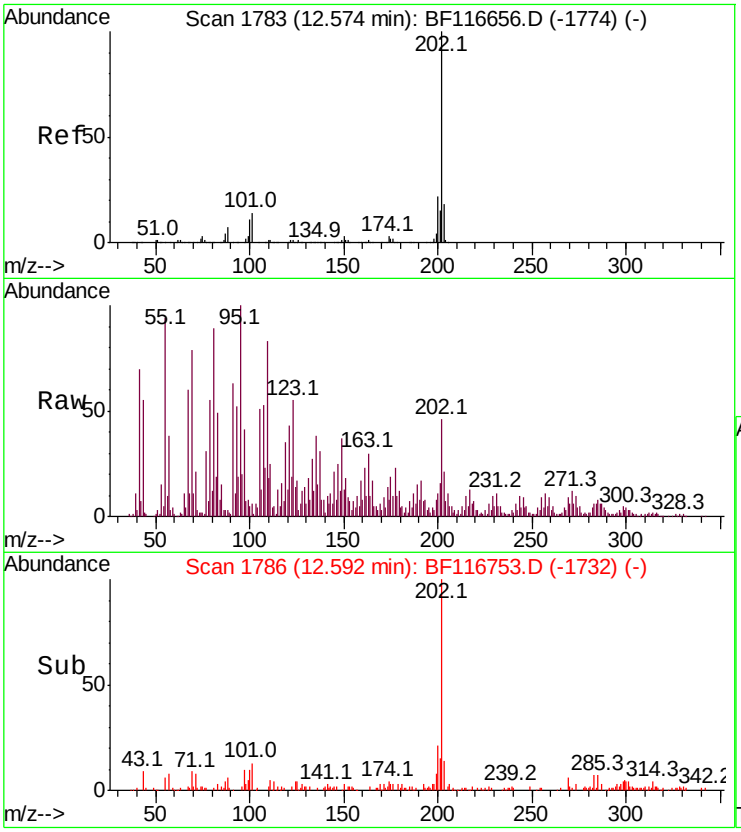




#71
Phenanthrene
Concen: 2.167 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:178 Resp: 36110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 38.2 | 15.4 | 23.0# |
| 179 | 29.1 | 12.2 | 18.2# |



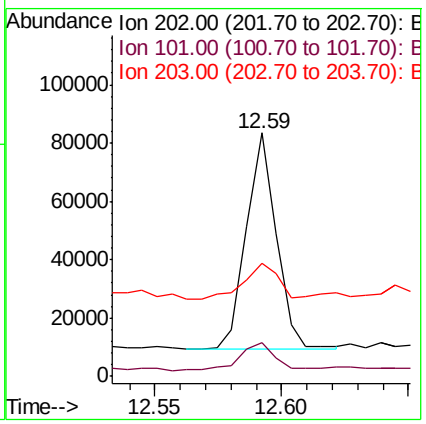


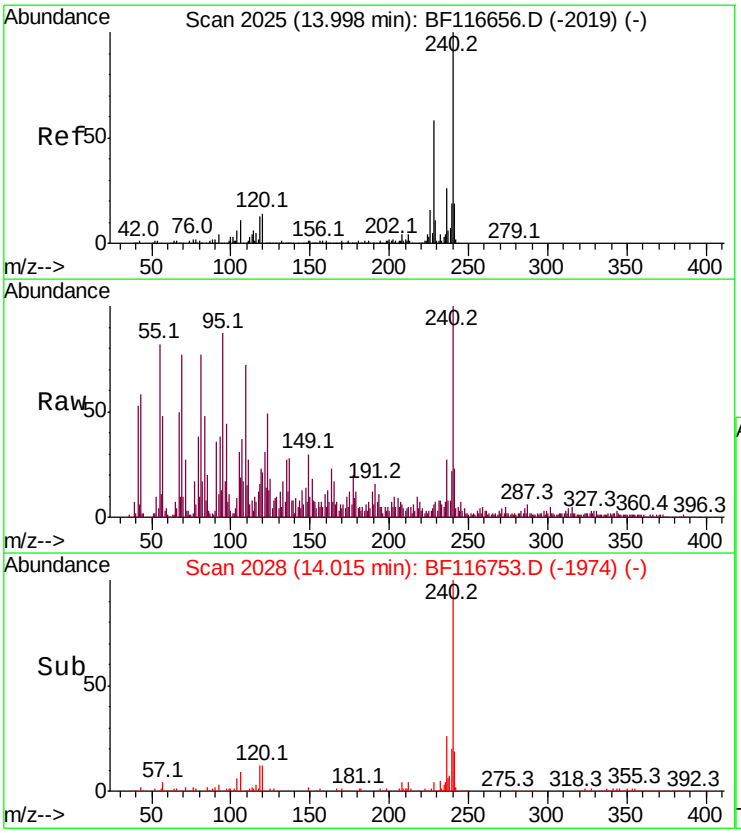

#75
Fluoranthene
Concen: 3.787 ng
RT: 12.59 min Scan# 1786
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:202 Resp: 62015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.7 | 0.0 | 31.3 |
| 203 | 46.2 | 0.0 | 37.6# |

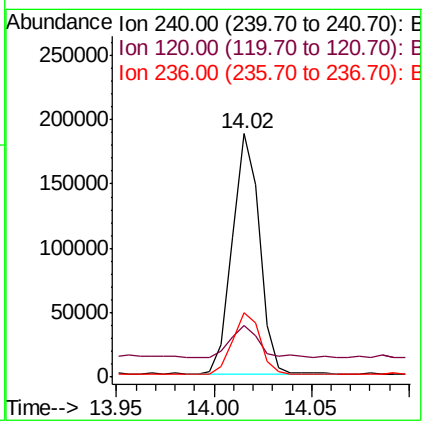


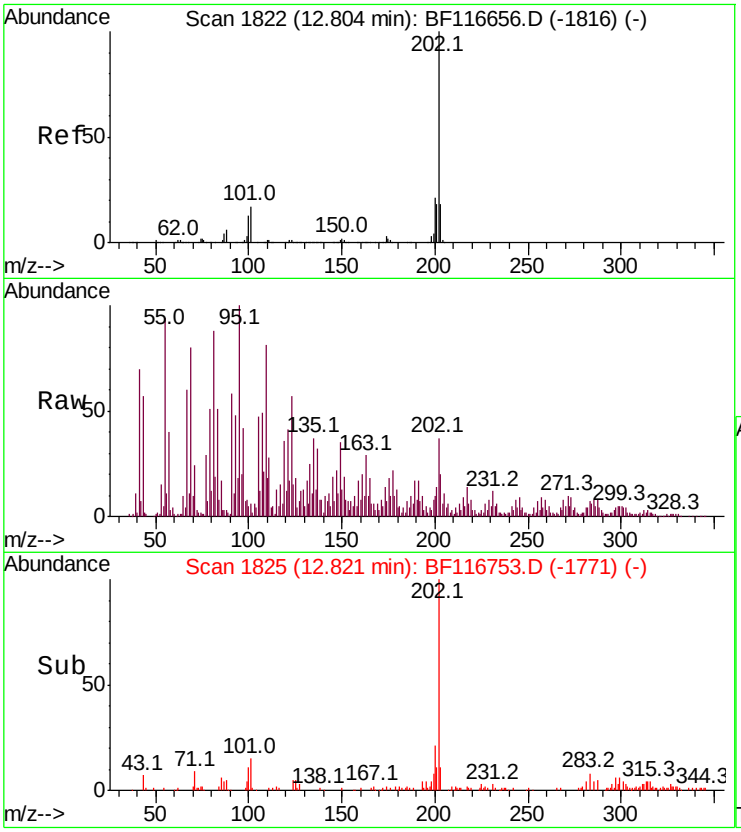




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:240 Resp: 178653

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 21.0 | 9.1 | 13.7# |
| 236 | 26.7 | 21.1 | 31.7 |



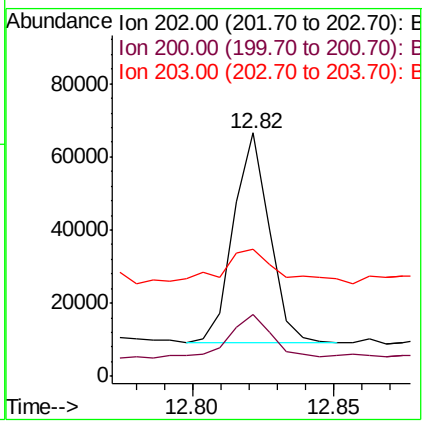


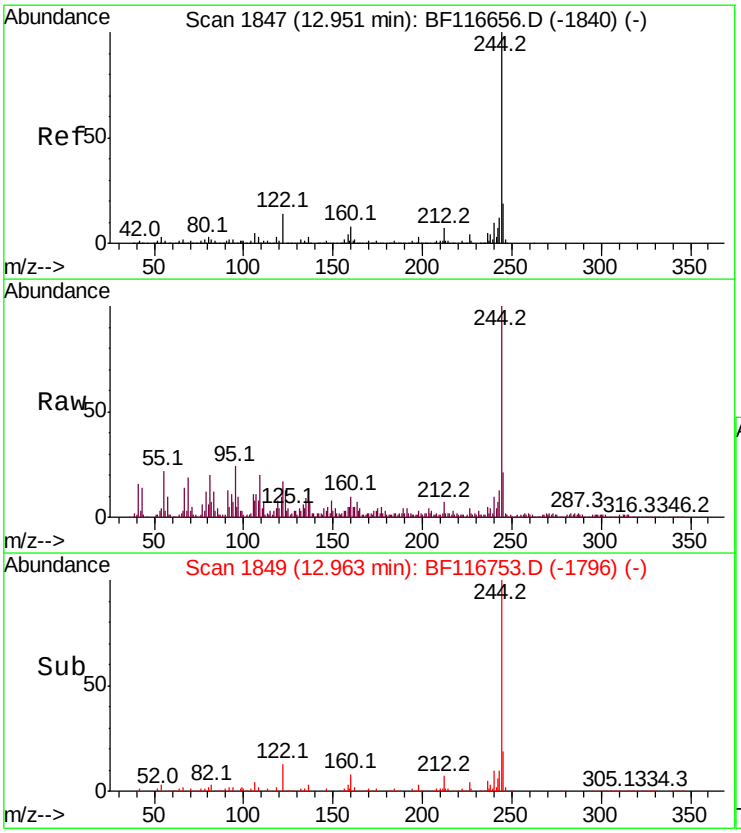

#78
Pyrene
Concen: 3.211 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:202 Resp: 50998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 25.5 | 16.5 | 24.7# |
| 203 | 52.2 | 13.7 | 20.5# |

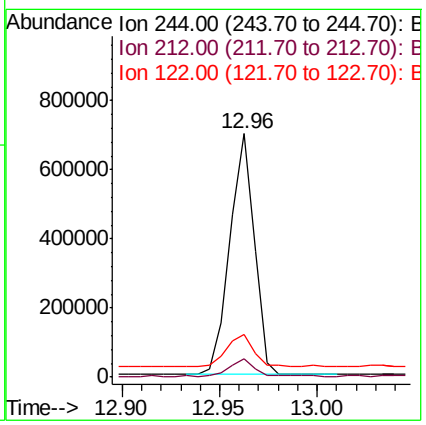


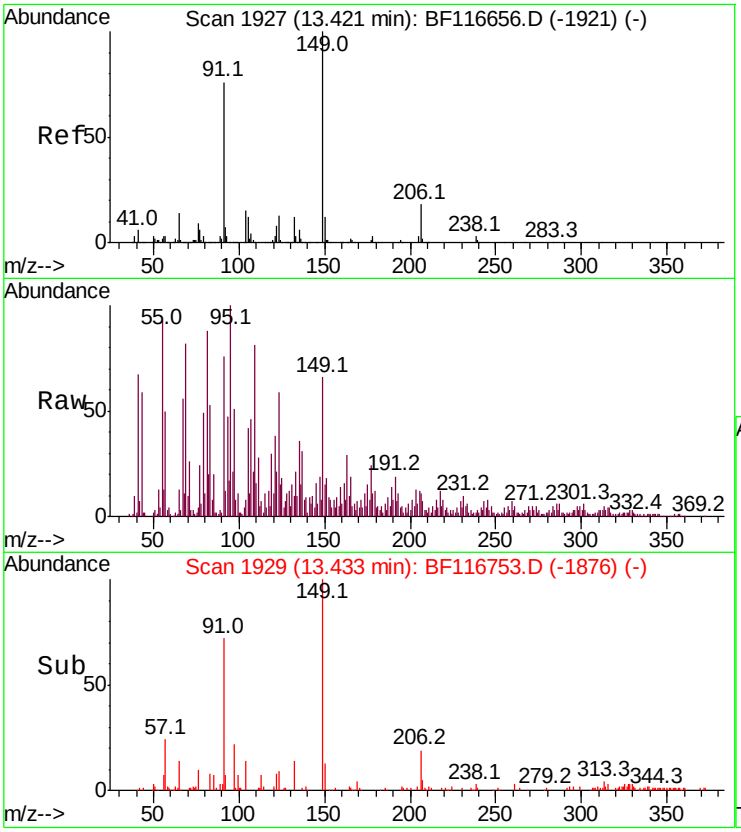




#79
Terphenyl-d14
Concen: 63.134 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:244 Resp: 609699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.1 | 9.1 |
| 122 | 17.5 | 10.2 | 15.4# |



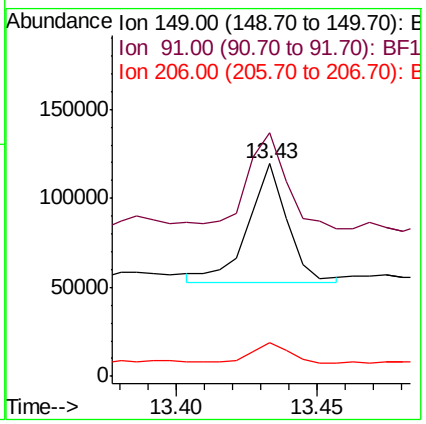


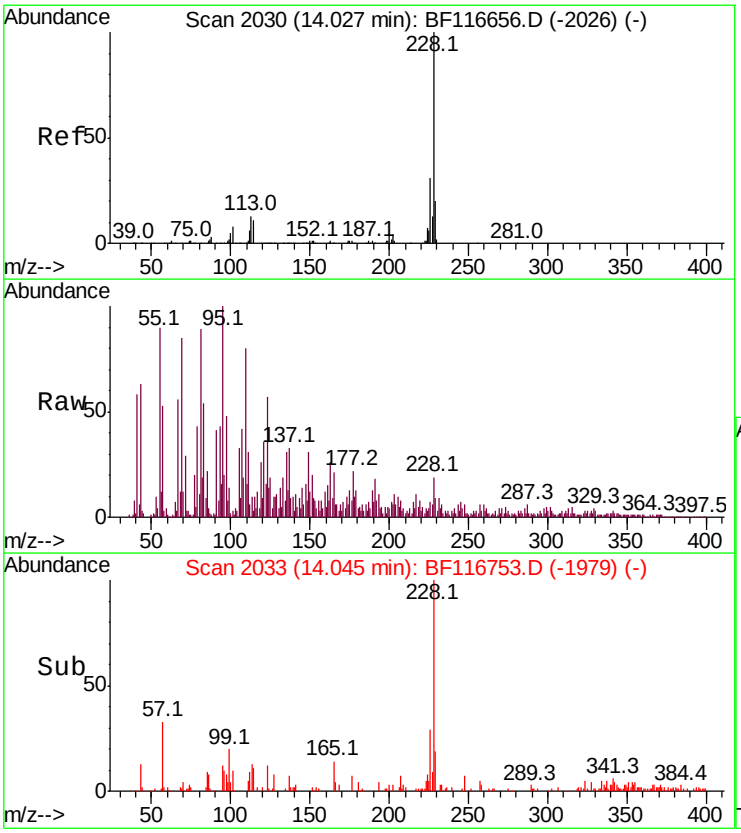

#80
Butylbenzylphthalate
Concen: 8.400 ng
RT: 13.43 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:149 Resp: 64874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 114.5 | 61.0 | 91.4# |
| 206 | 16.1 | 14.8 | 22.2 |

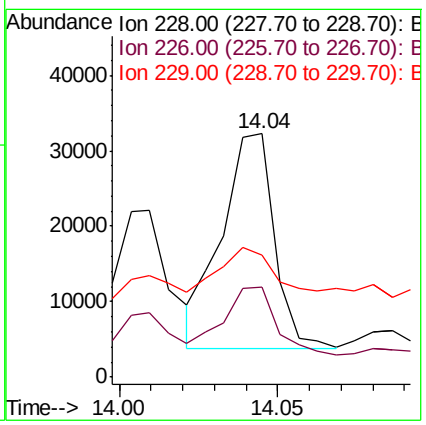


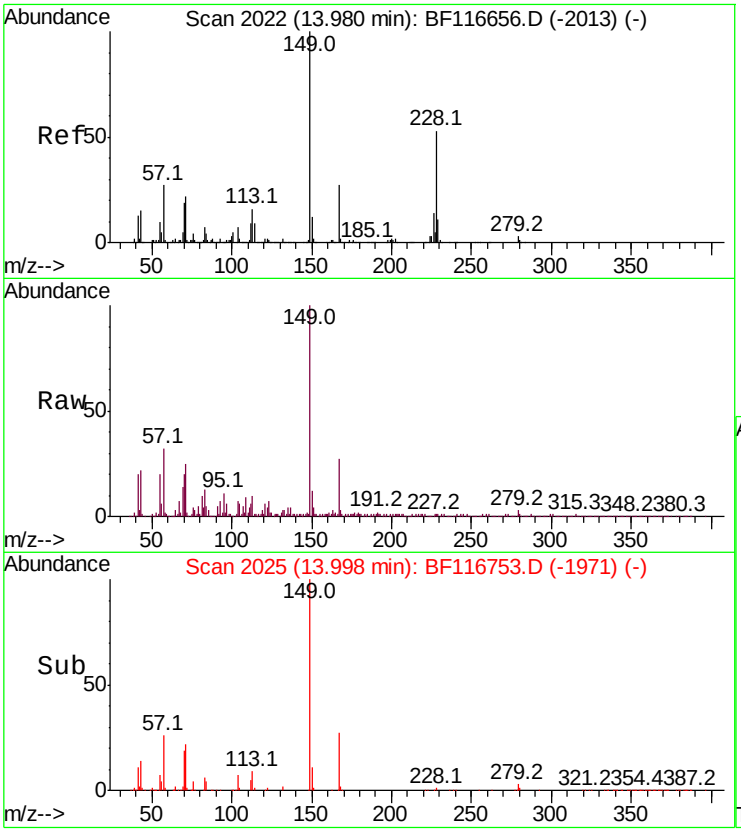




#83
Chrysene
Concen: 2.808 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:228 Resp: 32706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.2 | 24.0 | 36.0# |
| 229 | 50.4 | 15.4 | 23.0# |



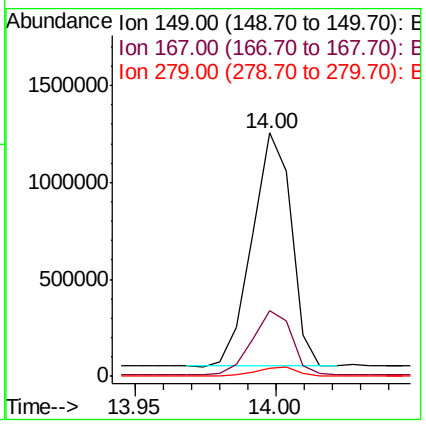


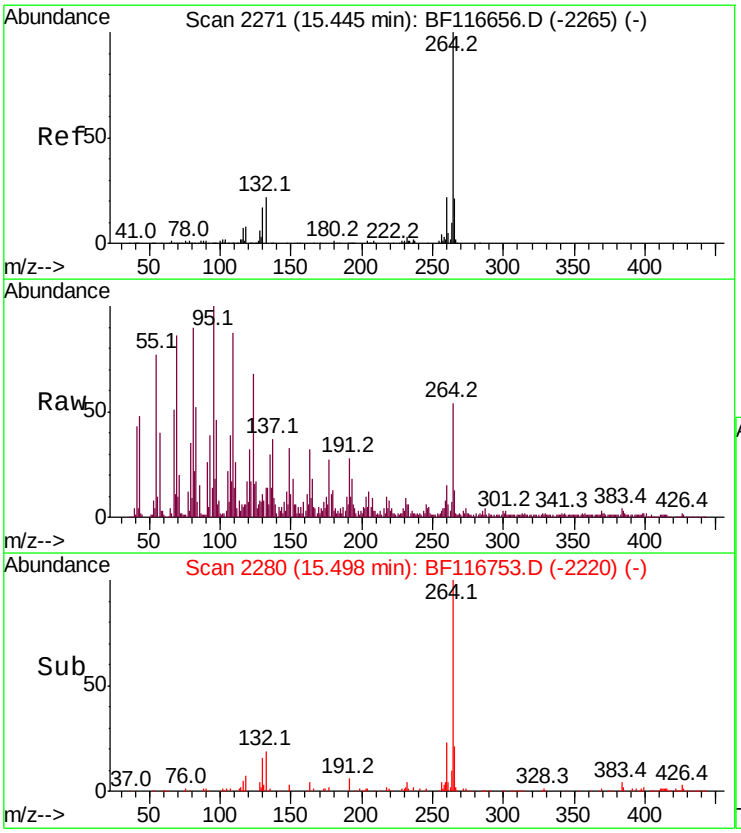

#84
Bis(2-ethylhexyl)phthalate
Concen: 121.867 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.02 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:149 Resp: 1161799

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.9 | 21.0 | 31.4 |
| 279 | 3.4 | 2.8 | 4.2 |

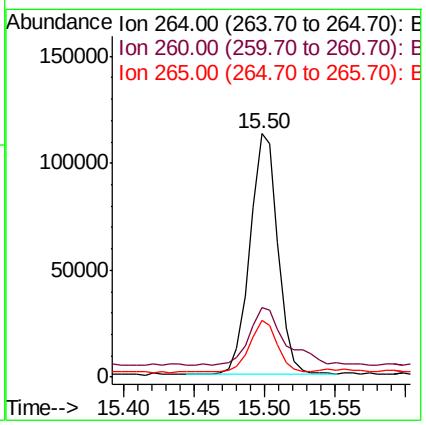


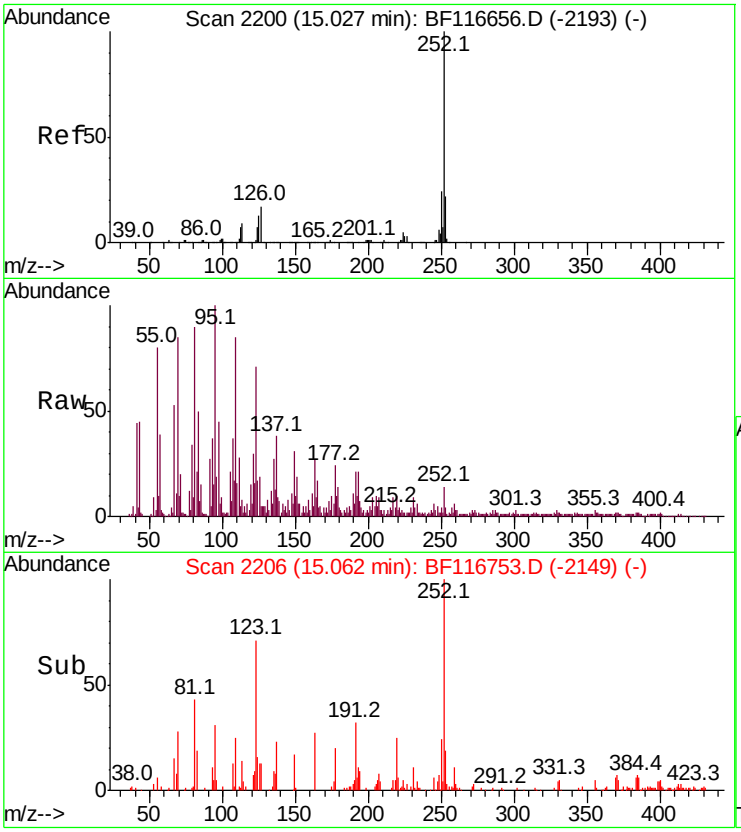




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.05 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:264 Resp: 156516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 28.4 | 18.3 | 27.5# |
| 265 | 23.3 | 16.5 | 24.7 |



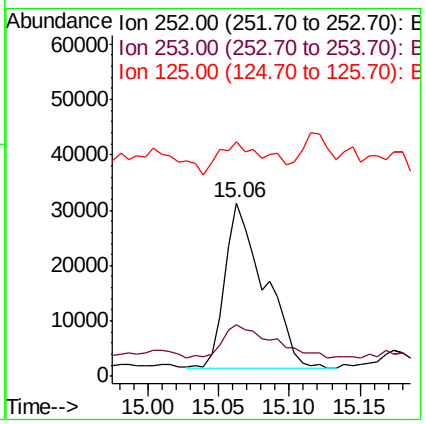


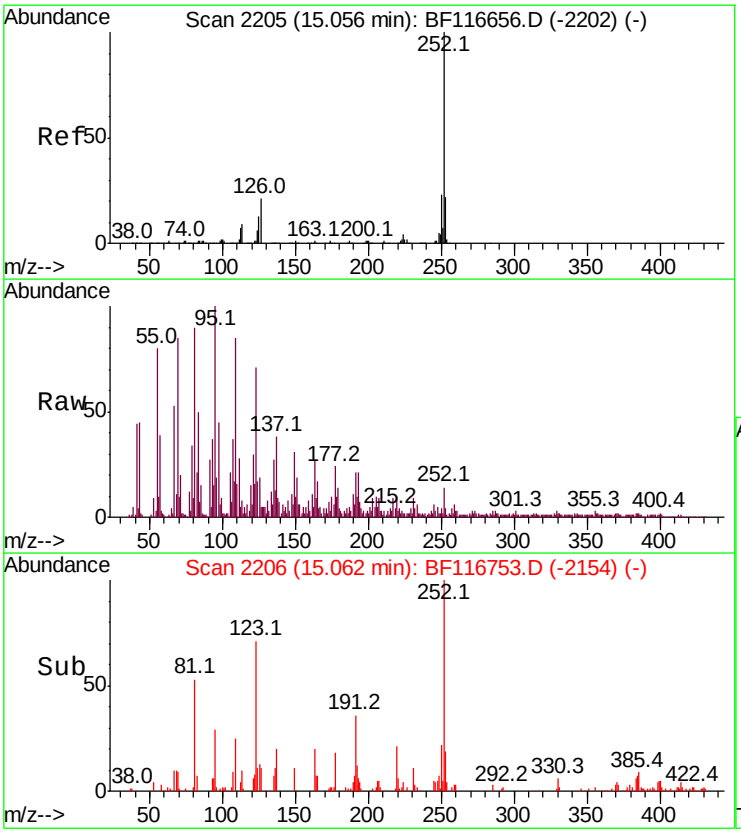

#88
Benzo(b)fluoranthene
Concen: 6.163 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.04 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:252 Resp: 58322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.7 | 17.7 | 26.5# |
| 125 | 135.0 | 8.2 | 12.2# |

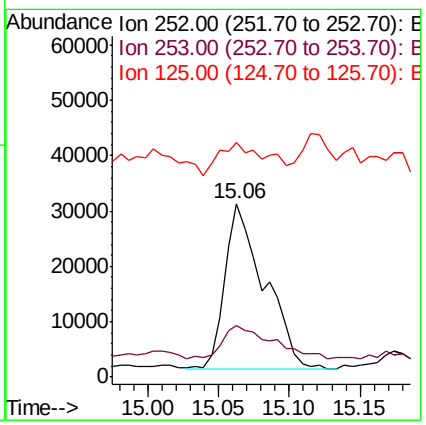


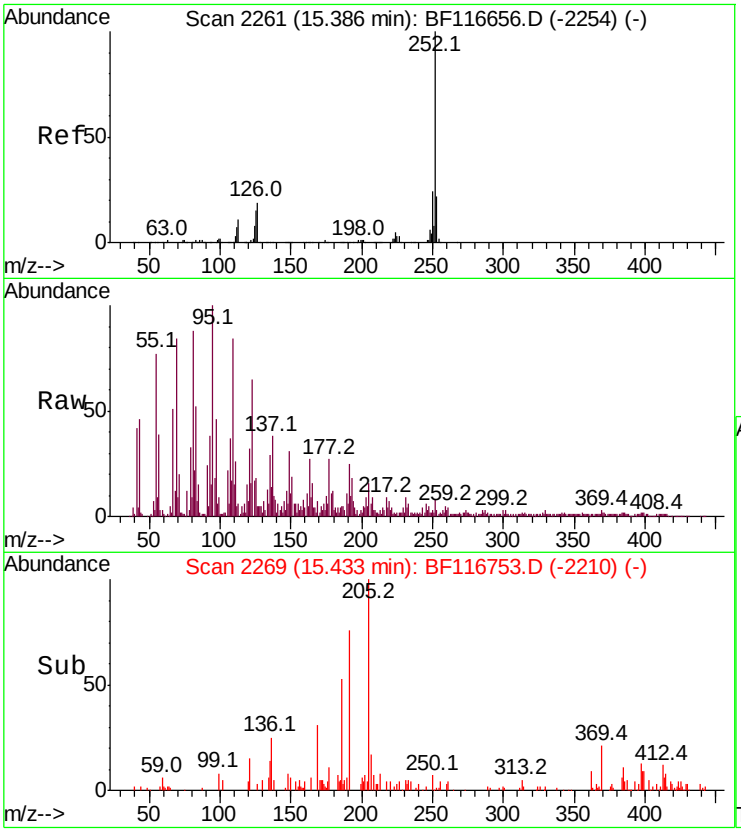




#89
Benzo(k)fluoranthene
Concen: 6.760 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:252 Resp: 58322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.7 | 17.7 | 26.5# |
| 125 | 135.0 | 8.6 | 13.0# |



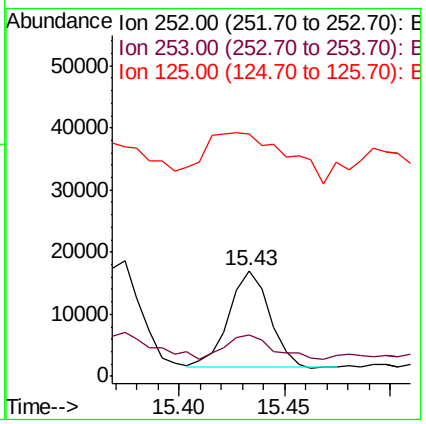


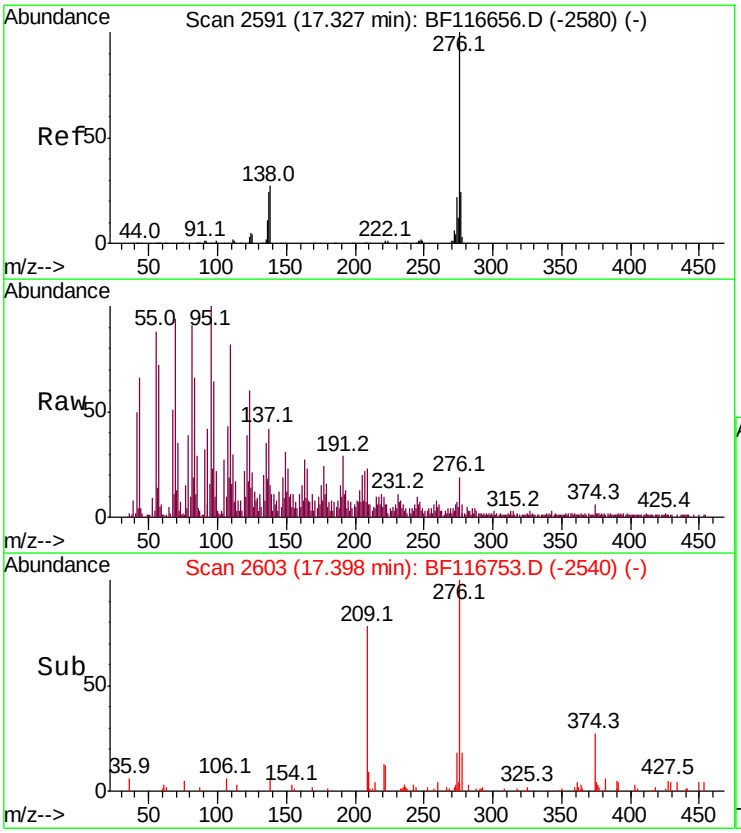

#90
Benzo(a)pyrene
Concen: 2.488 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.05 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:252 Resp: 20483

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 39.7 | 18.1 | 27.1# |
| 125 | 229.1 | 9.8 | 14.8# |




#92
Benzo(g,h,i)perylene
Concen: 2.682 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.07 min
Lab File: BF116753.D
Acq: 1 Sep 2019 20:03

Tgt Ion:276 Resp: 19710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 32.7 | 18.5 | 27.7# |
| 138 | 78.2 | 16.2 | 24.2# |