Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103227.D
Acq On : 26 Feb 2018 19:45
Operator : SJ/JU
Sample : J1691-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 27 00:06:32 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 169608 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 685019 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 276220 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 397754 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.05 | 240 | 280111 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.56 | 264 | 223119 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 427989 | 38.16 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 505493 | 36.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 305941 | 25.51 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 74493 | 31.86 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 504647 | 25.67 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.98 | 244 | 321377 | 27.58 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.43 | 77 | 1665 | Below Cal | | # | 55 |
| 25) Isophorone | 7.43 | 82 | 305941 | 12.95 | ng | # | 64 |
| 32) Benzoic acid | 7.92 | 122 | 505 | 6.98 | ng | # | 32 |
| 49) Dimethylphthalate | 9.62 | 163 | 51023 | 2.30 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 9.91 | 165 | 37762 | 6.42 | ng | # | 24 |
| 64) 4,6-Dinitro-2-methylphenol | 10.72 | 198 | 400 | 5.09 | ng | # | 1 |
| 70) Phenanthrene | 11.42 | 178 | 237359 | 10.84 | ng | | 99 |
| 71) Anthracene | 11.47 | 178 | 59344 | 2.64 | ng | | 99 |
| 74) Fluoranthene | 12.62 | 202 | 335618 | 15.26 | ng | | 98 |
| 77) Pyrene | 12.84 | 202 | 315533 | 14.45 | ng | | 100 |
| 80) Benzo(a)anthracene | 14.04 | 228 | 169621 | 9.33 | ng | | 97 |
| 82) Chrysene | 14.07 | 228 | 160837 | 9.11 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.08 | 276 | 65202 | 4.67 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.12 | 252 | 235380 | 16.05 | ng | # | 74 |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 235380 | 17.04 | ng | # | 77 |
| 89) Benzo(a)pyrene | 15.49 | 252 | 114063 | 8.71 | ng | # | 81 |
| 91) Benzo(g,h,i)perylene | 17.54 | 276 | 61796 | 6.25 | ng | # | 91 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
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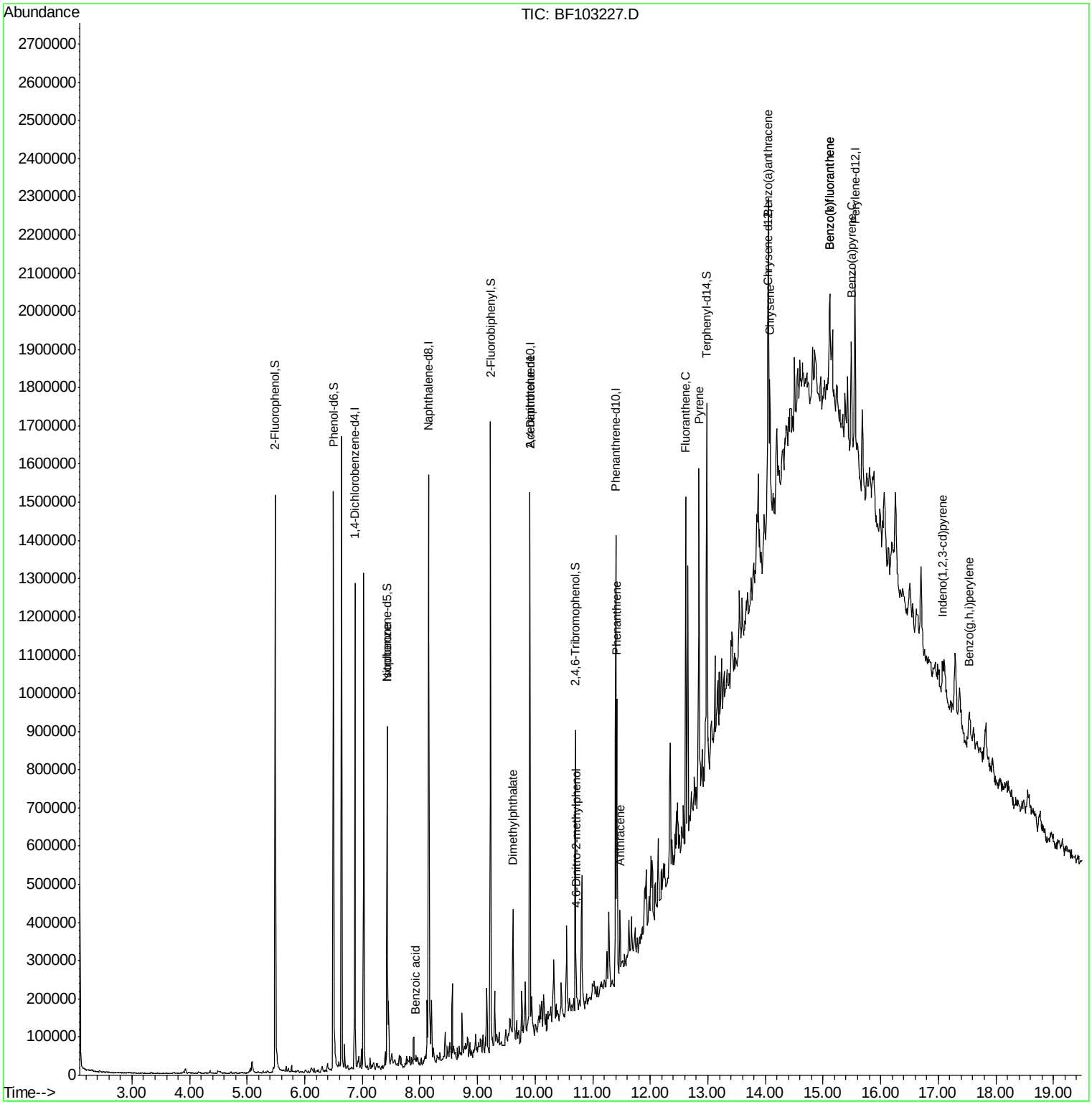
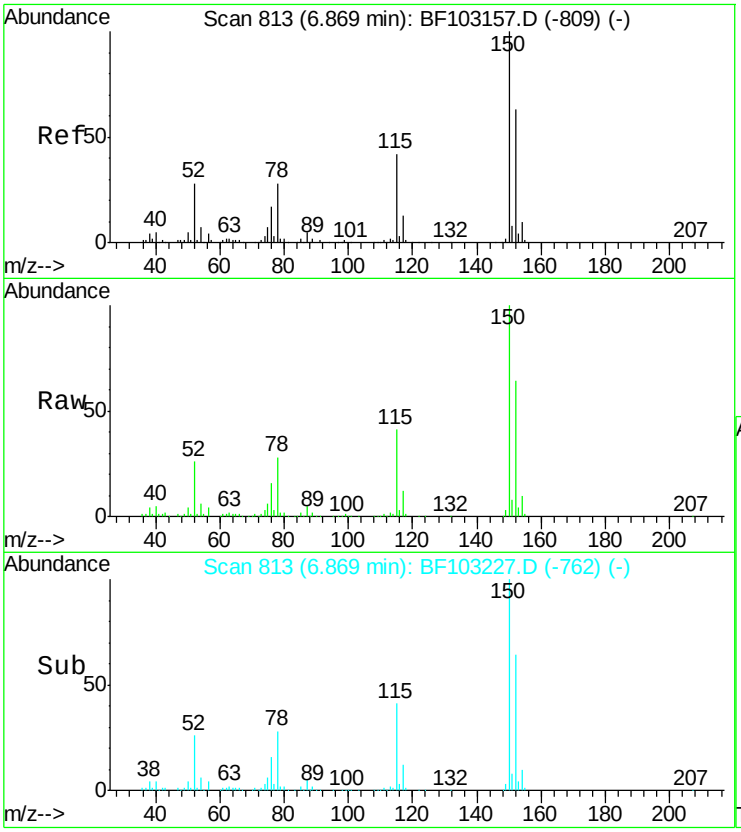
Acq On : 26 Feb 2018 19:45
Operator : SJ/JU
Sample : J1691-21 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Feb 27 00:06:32 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration



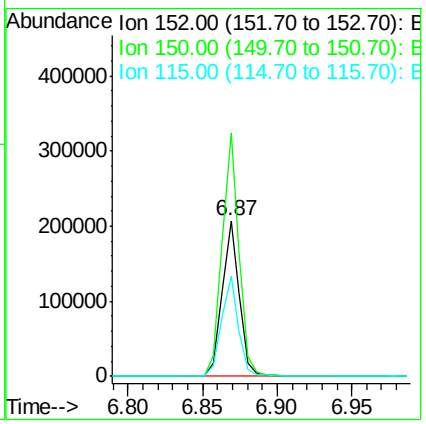


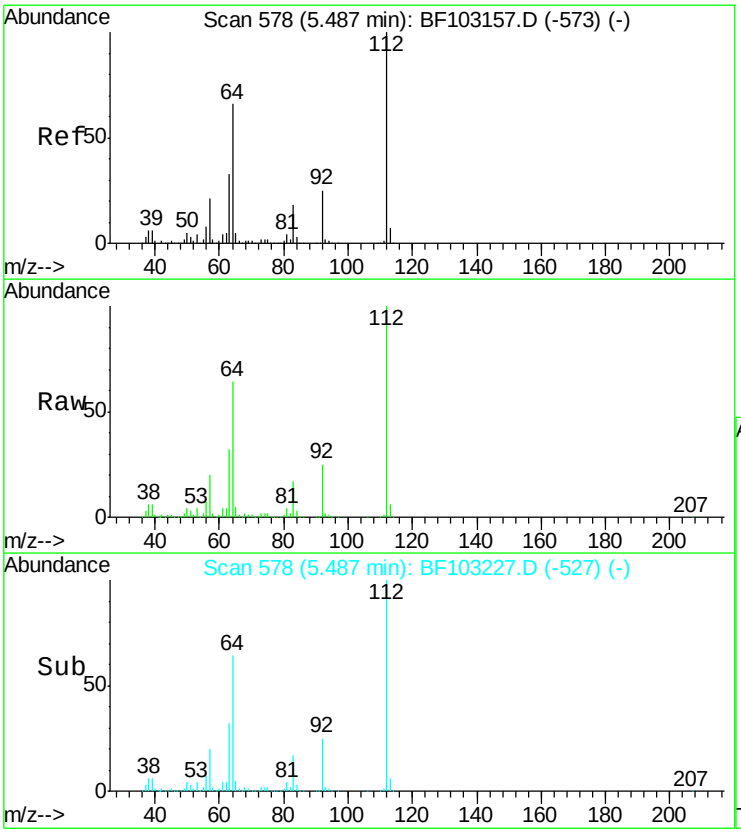

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:152 Resp: 169608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.3 | 124.6 | 186.8 |
| 115 | 64.0 | 50.1 | 75.1 |

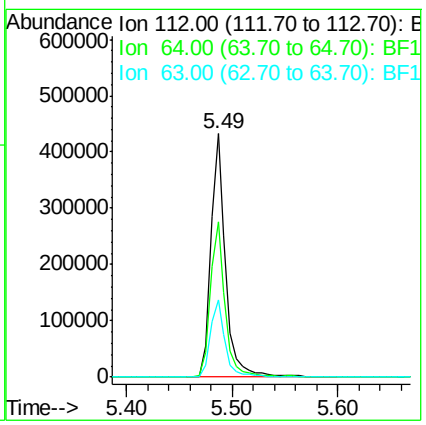


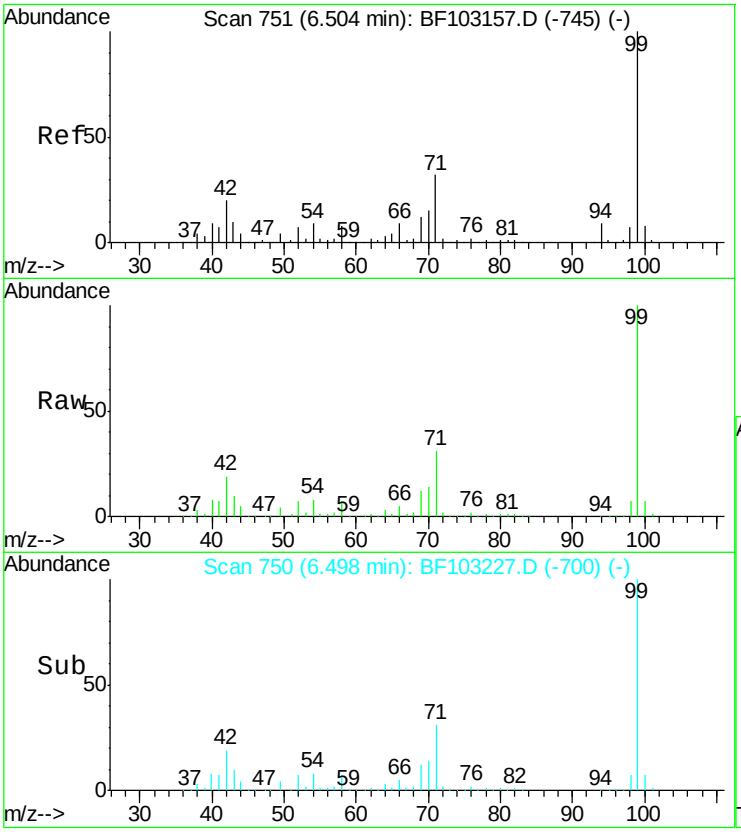




#5
2-Fluorophenol
Concen: 38.16 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:112 Resp: 427989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.6 | 47.9 | 71.9 |
| 63 | 31.6 | 23.7 | 35.5 |



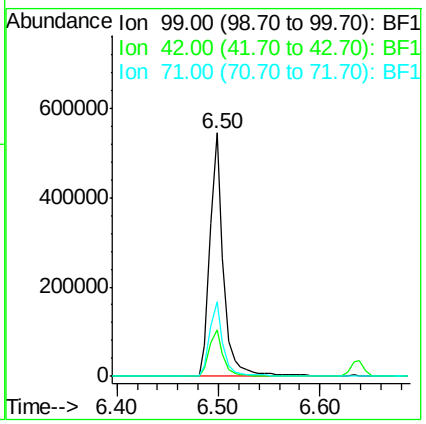


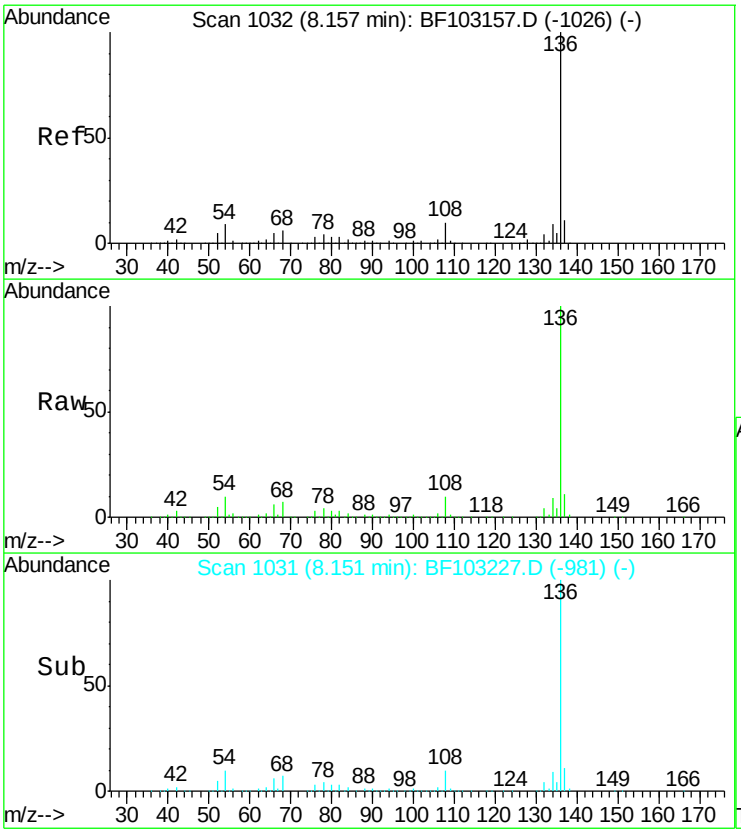

#7
Phenol-d6
Concen: 36.84 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion: 99 Resp: 505493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 14.5 | 21.7 |
| 71 | 30.8 | 25.4 | 38.0 |

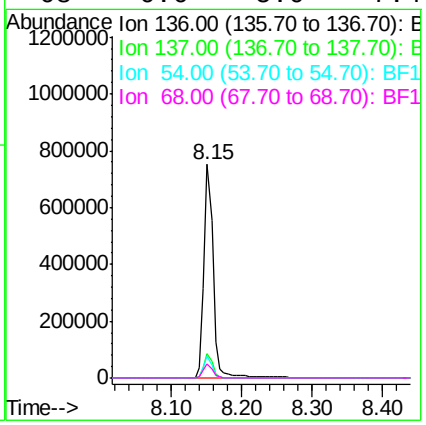


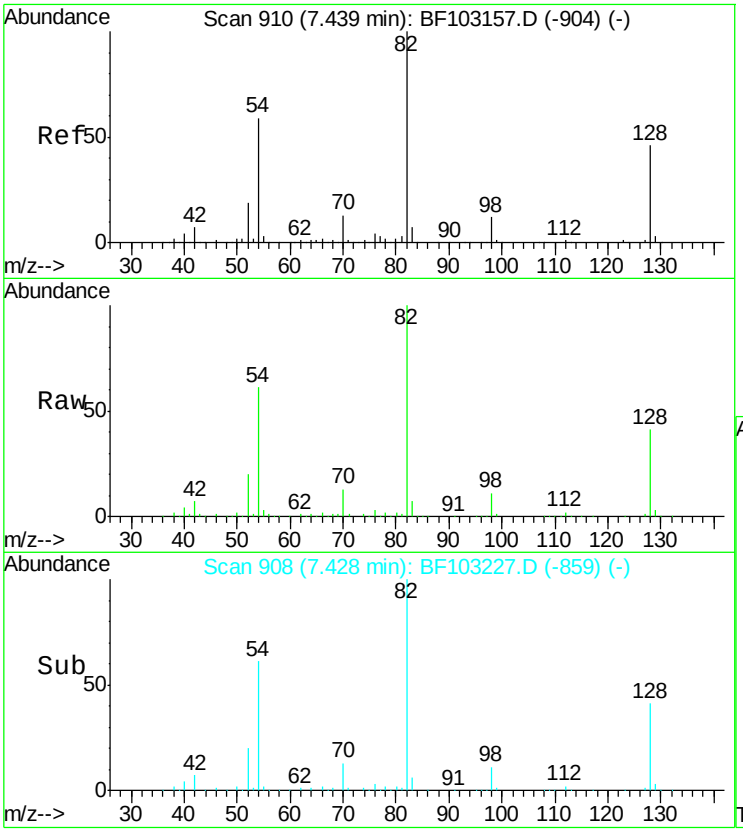




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:136 Resp: 685019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 10.2 | 6.6 | 9.8# |
| 68 | 6.6 | 5.0 | 7.4 |



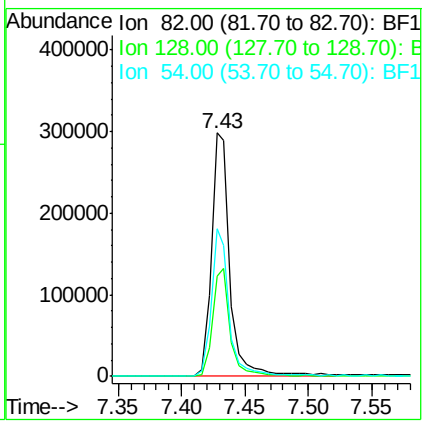


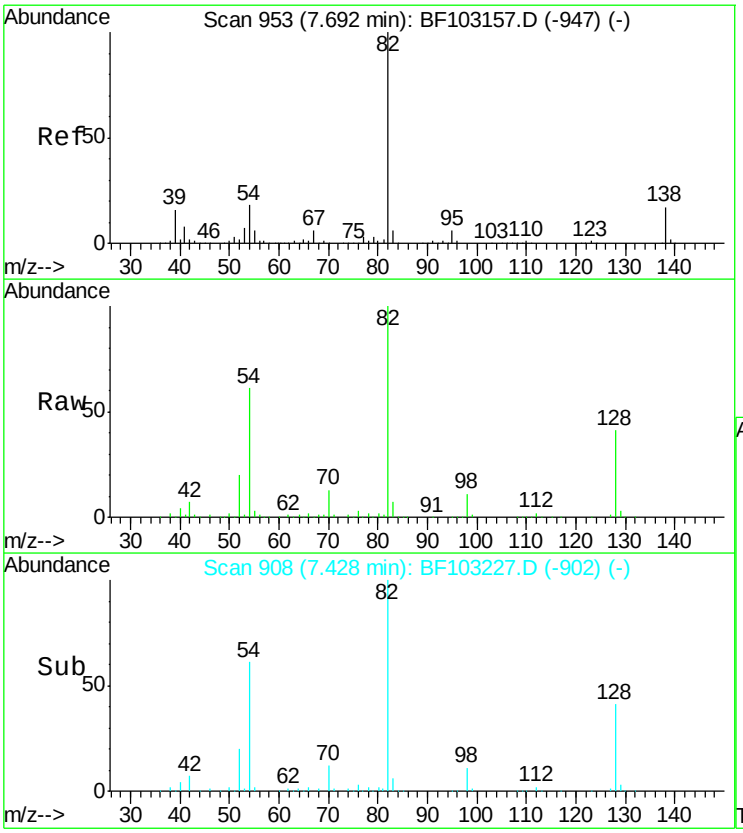

#23
Nitrobenzene-d5
Concen: 25.51 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion: 82 Resp: 305941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.4 | 36.1 | 54.1 |
| 54 | 60.8 | 41.4 | 62.2 |

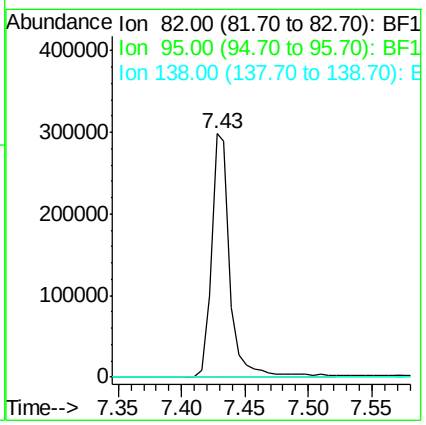


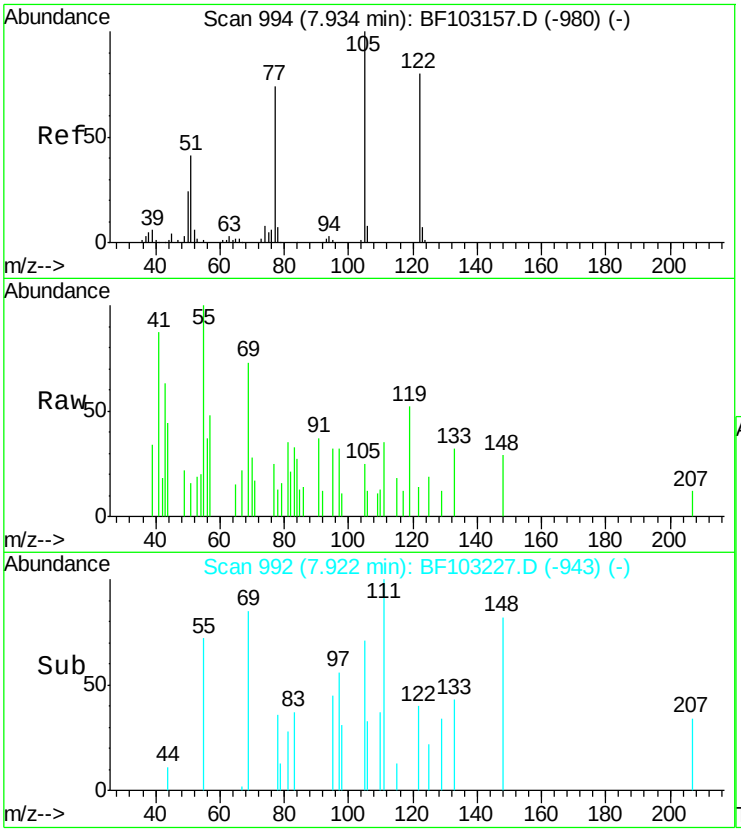




#25
Isophorone
Concen: 12.95 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion: 82 Resp: 305941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |



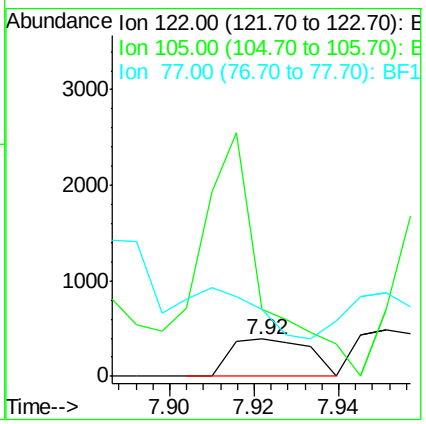


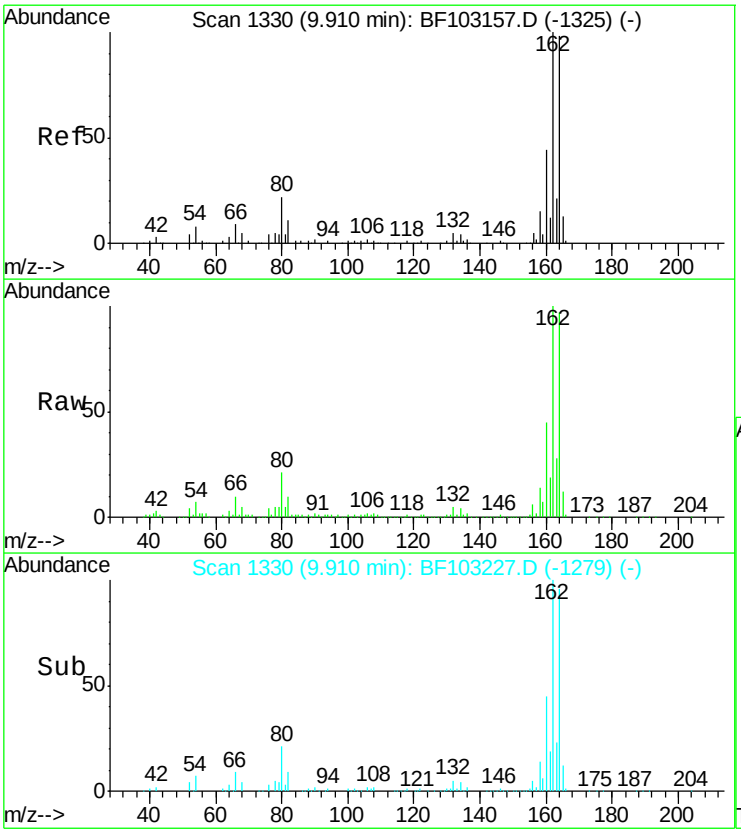

#32
Benzoic acid
Concen: 6.98 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:122 Resp: 505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 177.3 | 101.1 | 141.1# |
| 77 | 177.3 | 70.7 | 110.7# |

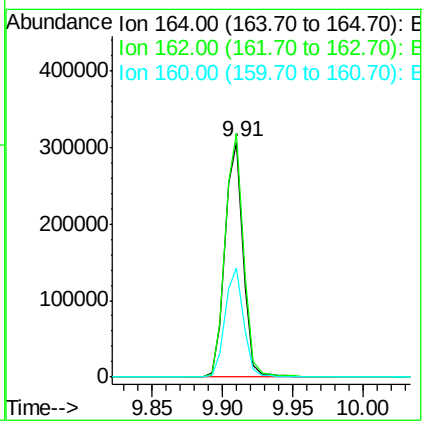


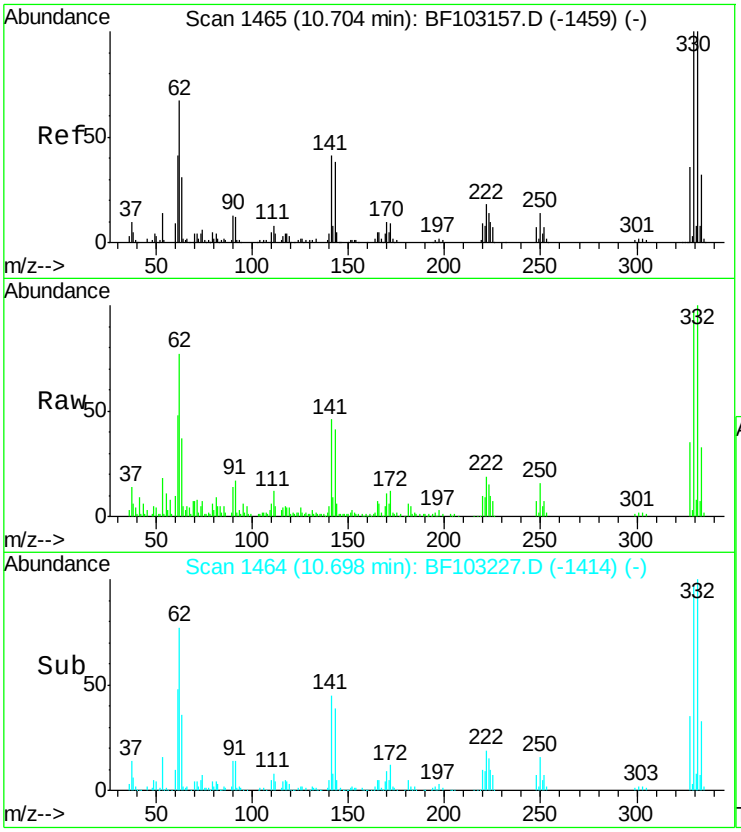




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:164 Resp: 276220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.6 | 86.1 | 129.1 |
| 160 | 46.5 | 38.3 | 57.5 |



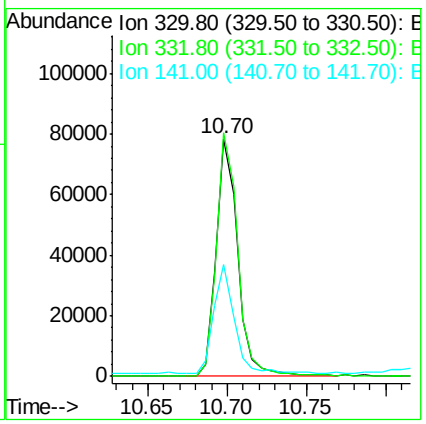


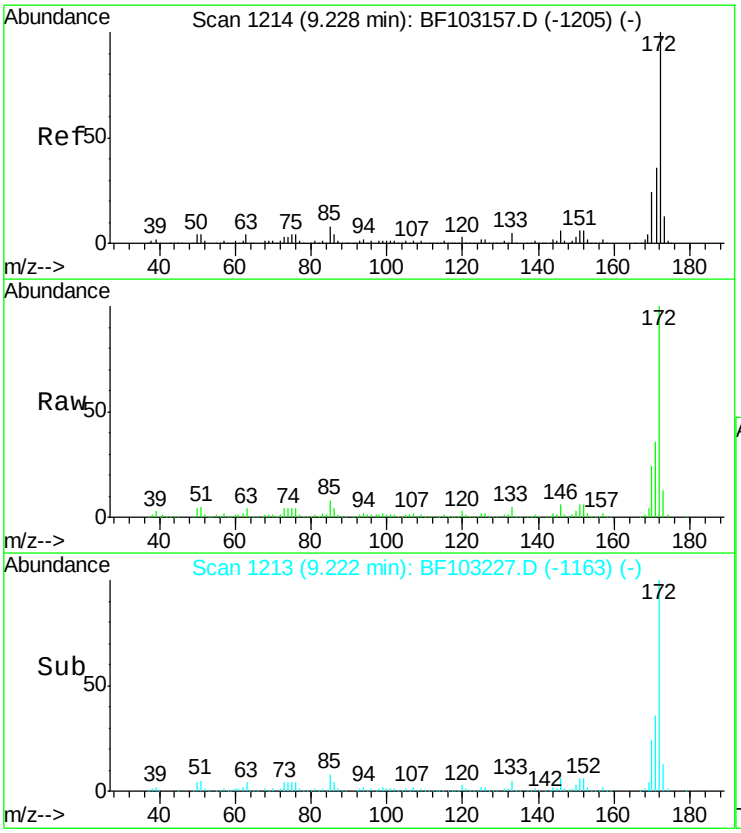

#41
2,4,6-Tribromophenol
Concen: 31.86 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:330 Resp: 74493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 101.1 | 77.0 | 115.6 |
| 141 | 44.0 | 29.9 | 44.9 |

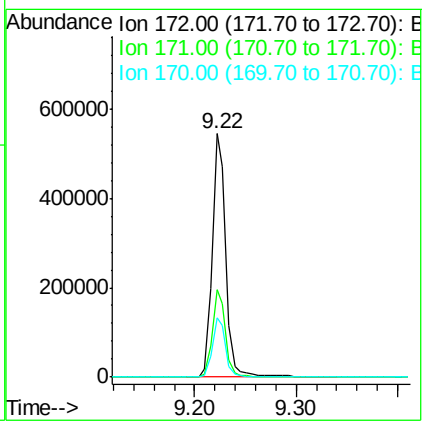


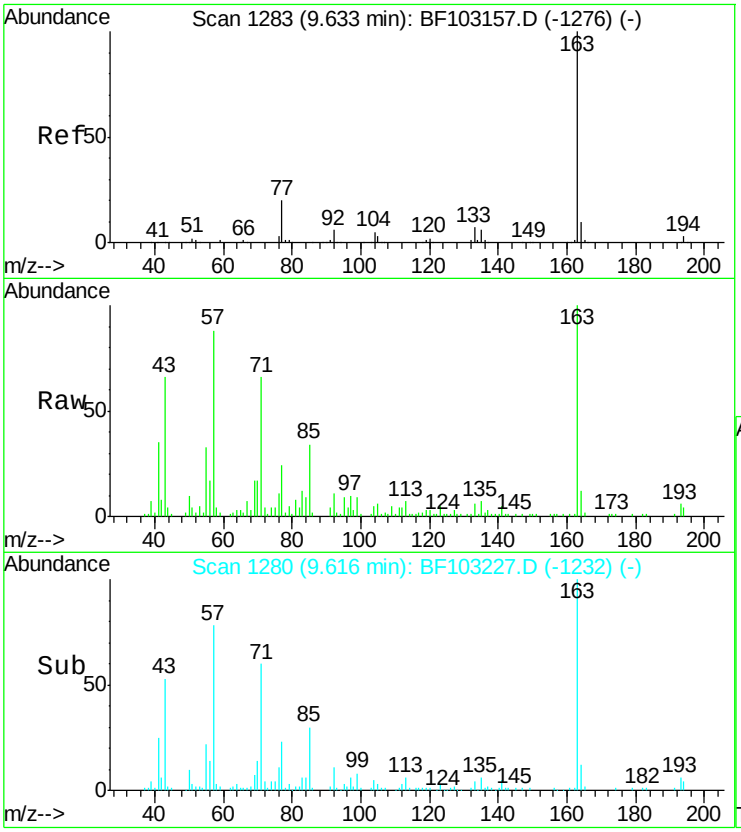




#44
2-Fluorobiphenyl
Concen: 25.67 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:172 Resp: 504647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.7 | 44.5 |
| 170 | 24.4 | 19.6 | 29.4 |



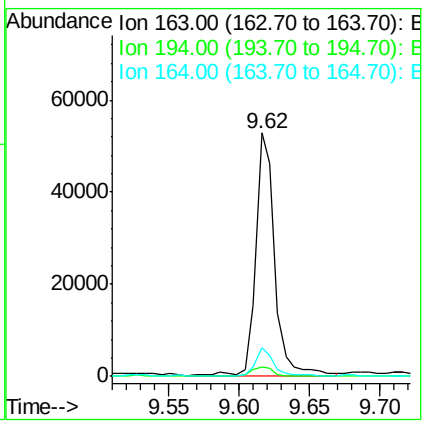


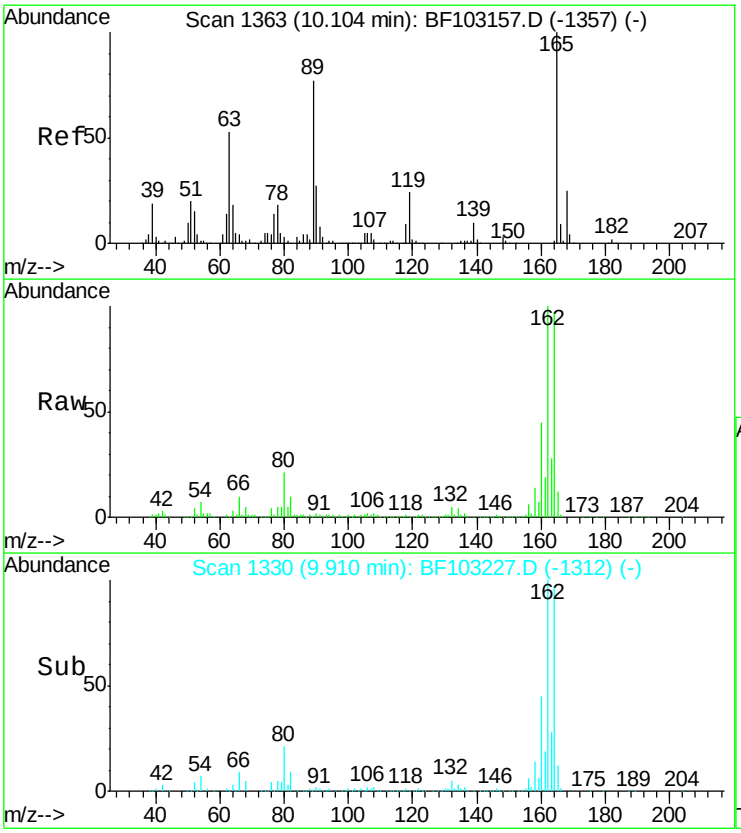

#49
Dimethylphthalate
Concen: 2.30 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:163 Resp: 51023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 2.7 | 4.1 |
| 164 | 11.9 | 8.2 | 12.2 |

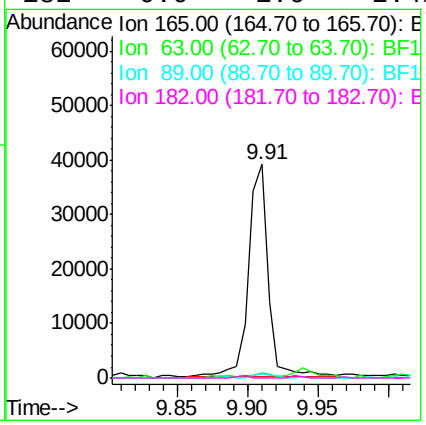


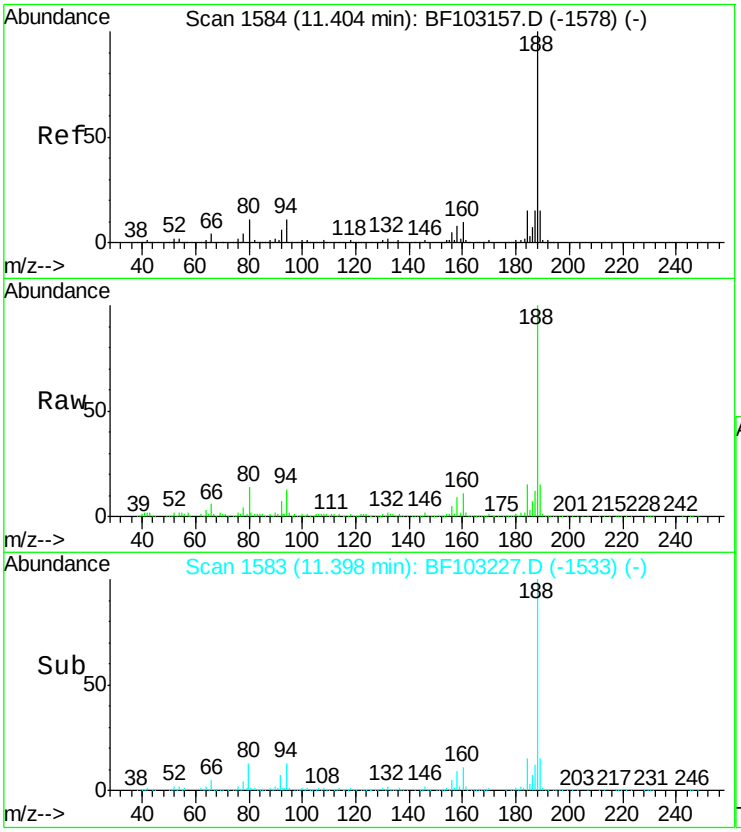




#56
2,4-Dinitrotoluene
Concen: 6.42 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.19 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:165 Resp: 37762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.2 | 36.4 | 54.6# |
| 89 | 1.6 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |



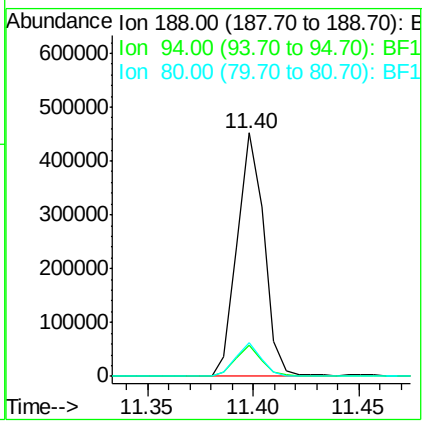


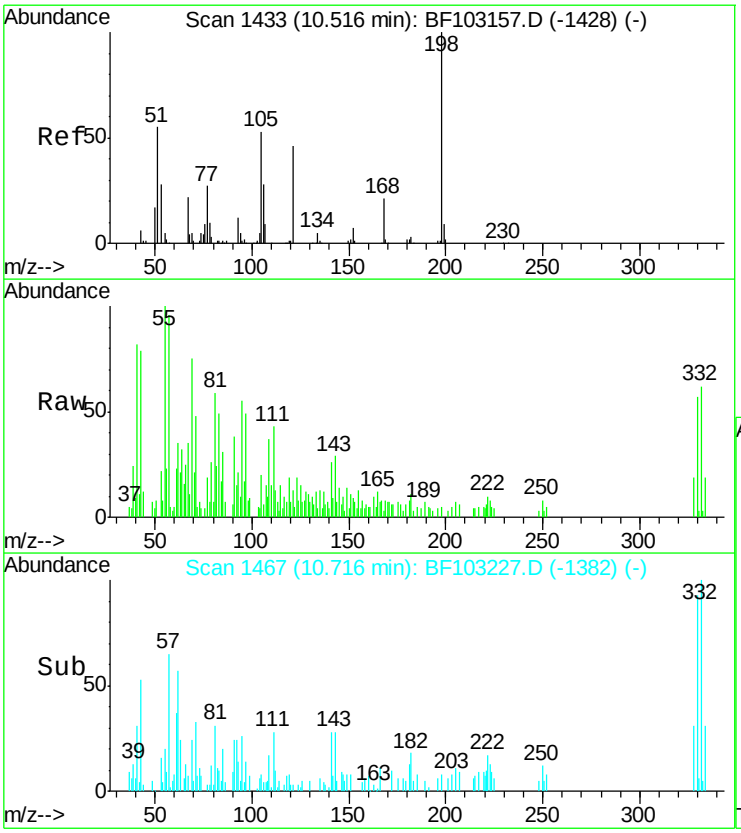

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:188 Resp: 397754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 13.0 | 8.5 | 12.7# |
| 80 | 13.7 | 9.2 | 13.8 |

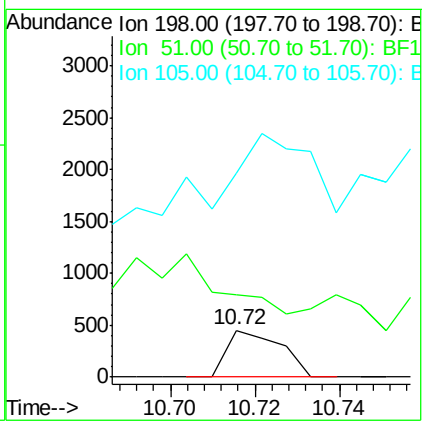


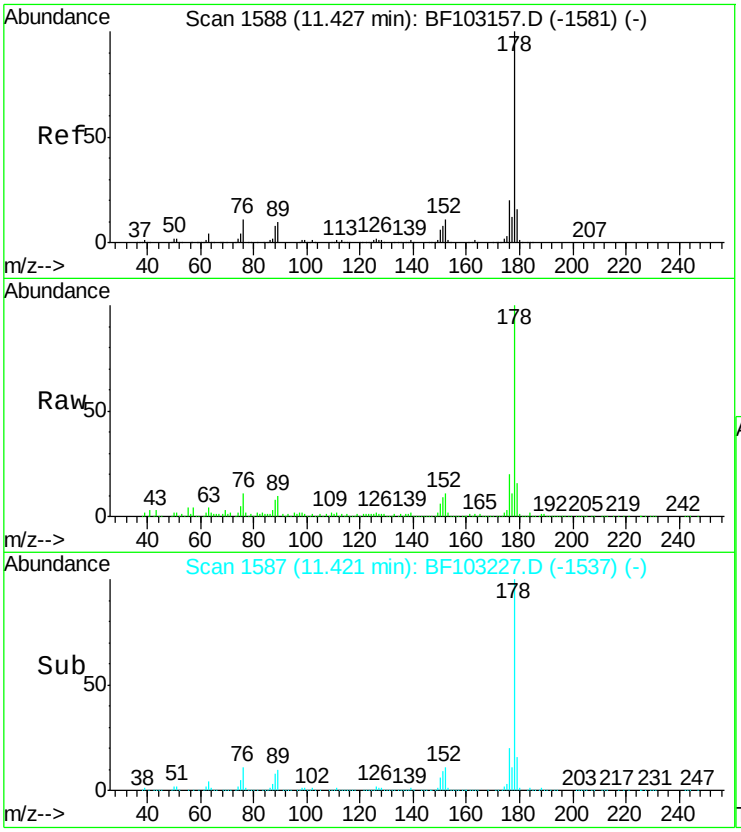




#64
4,6-Dinitro-2-methylphenol
Concen: 5.09 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.20 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:198 Resp: 400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 175.7 | 37.7 | 77.7# |
| 105 | 433.3 | 36.3 | 76.3# |



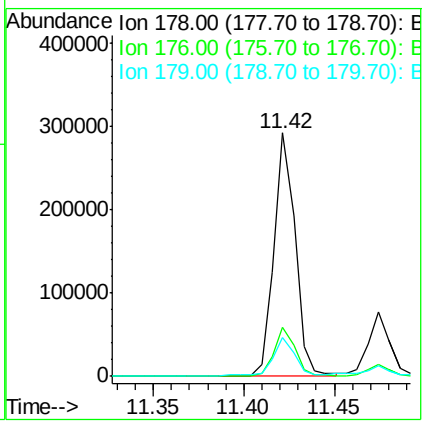


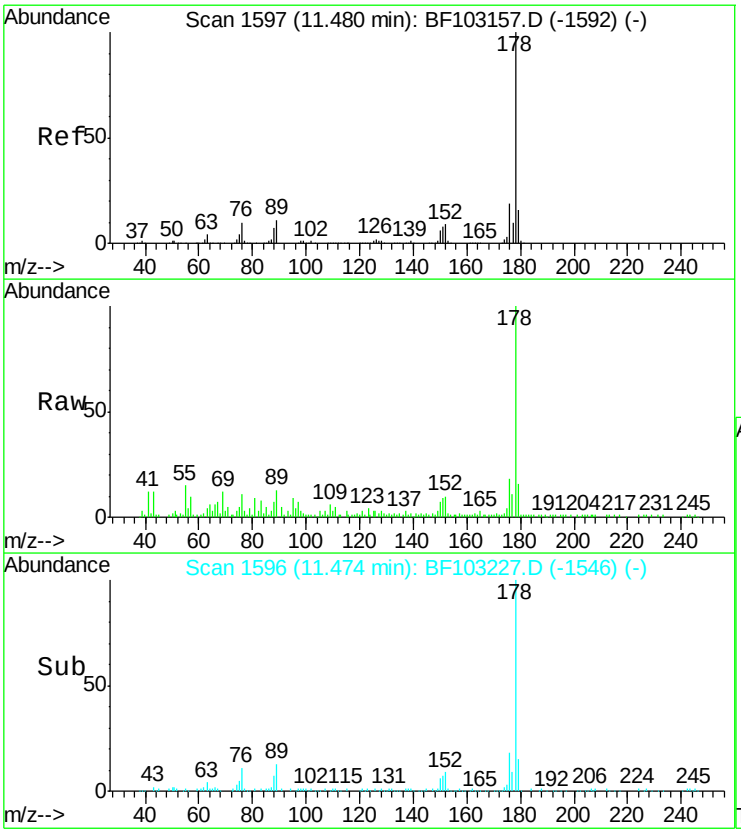

#70
Phenanthrene
Concen: 10.84 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:178 Resp: 237359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.3 | 15.8 | 23.8 |
| 179 | 15.9 | 13.0 | 19.6 |

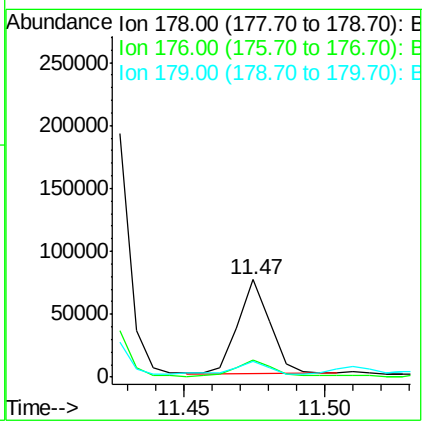


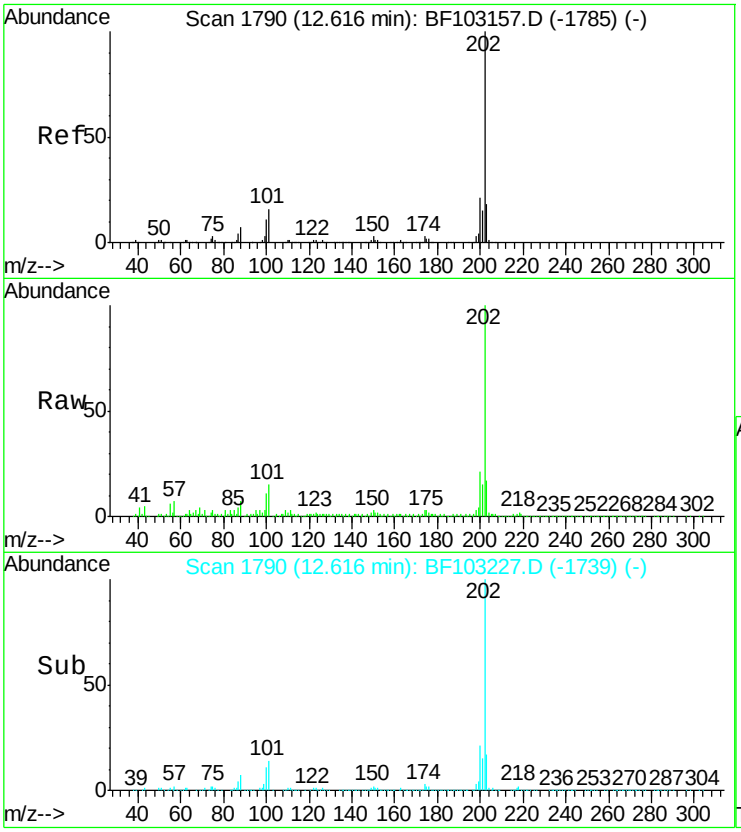




#71
Anthracene
Concen: 2.64 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:178 Resp: 59344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.4 | 23.2 |
| 179 | 15.8 | 12.6 | 19.0 |



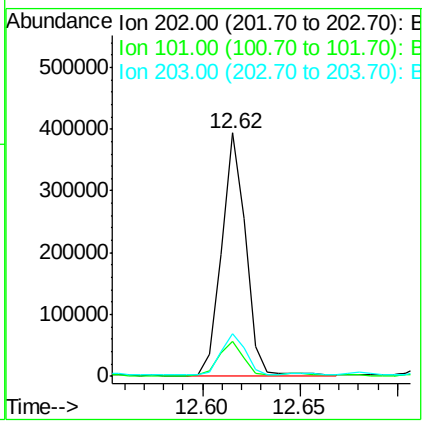


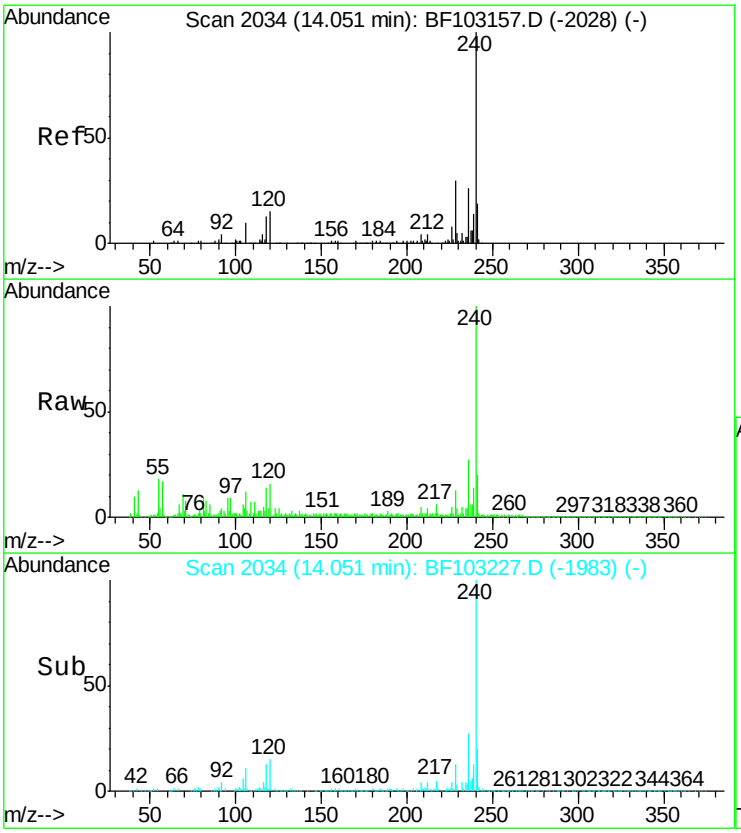

#74
Fluoranthene
Concen: 15.26 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:202 Resp: 335618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.6 | 0.0 | 34.1 |
| 203 | 17.3 | 0.0 | 38.1 |

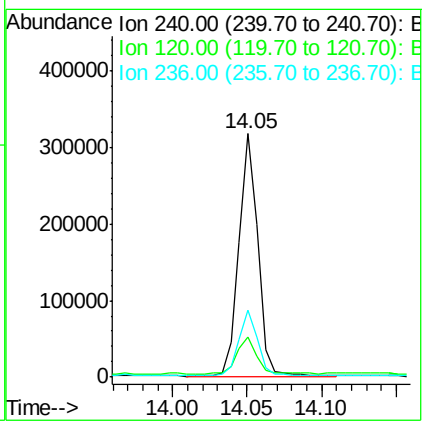


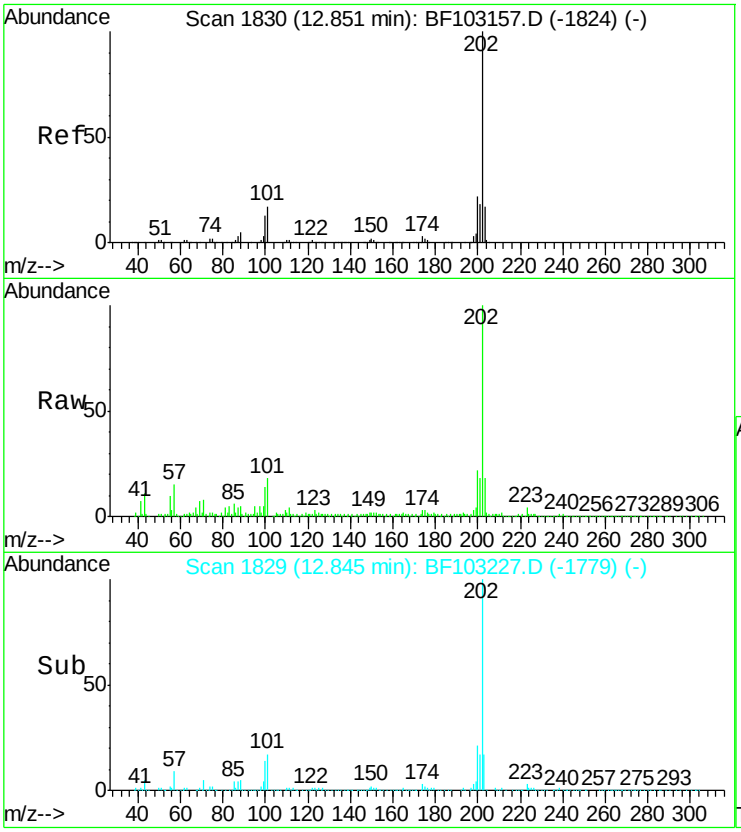




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:240 Resp: 280111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 16.4 | 9.5 | 14.3# |
| 236 | 27.4 | 20.7 | 31.1 |



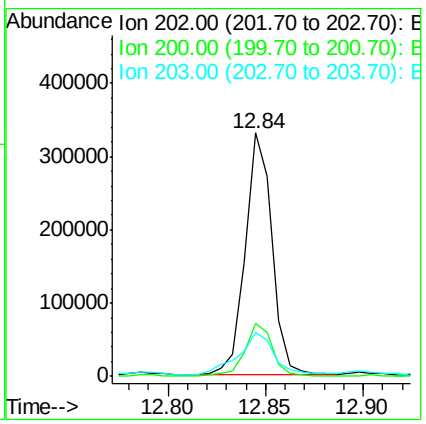


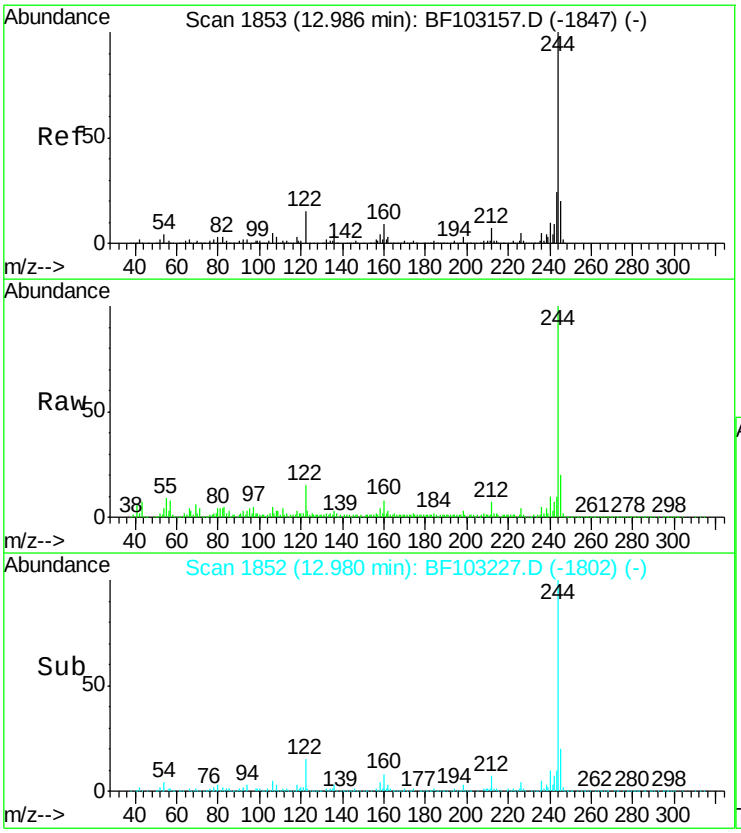

#77
Pyrene
Concen: 14.45 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:202 Resp: 315533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 17.4 | 26.2 |
| 203 | 17.9 | 14.3 | 21.5 |

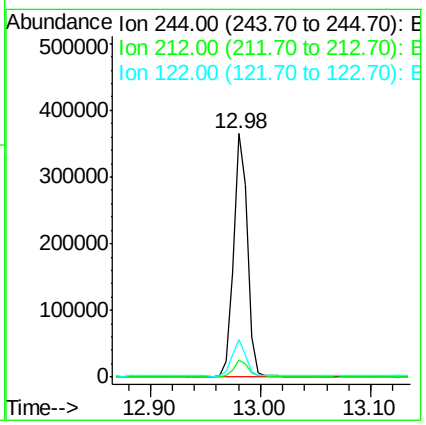


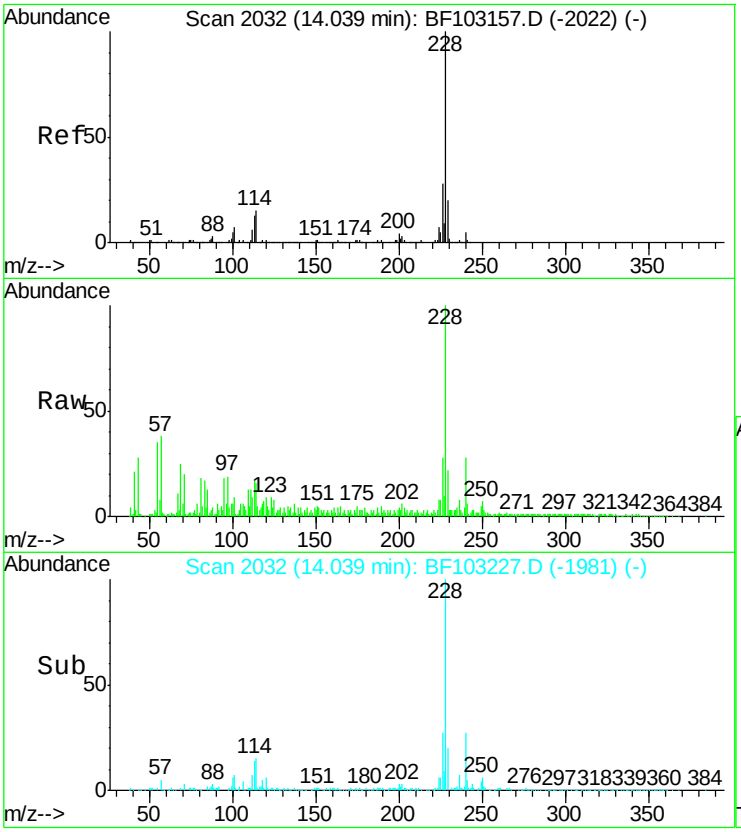




#78
Terphenyl-d14
Concen: 27.58 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:244 Resp: 321377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.0 | 5.4 | 8.0 |
| 122 | 15.4 | 11.0 | 16.4 |



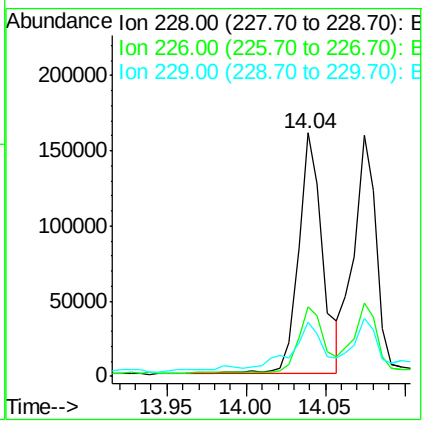


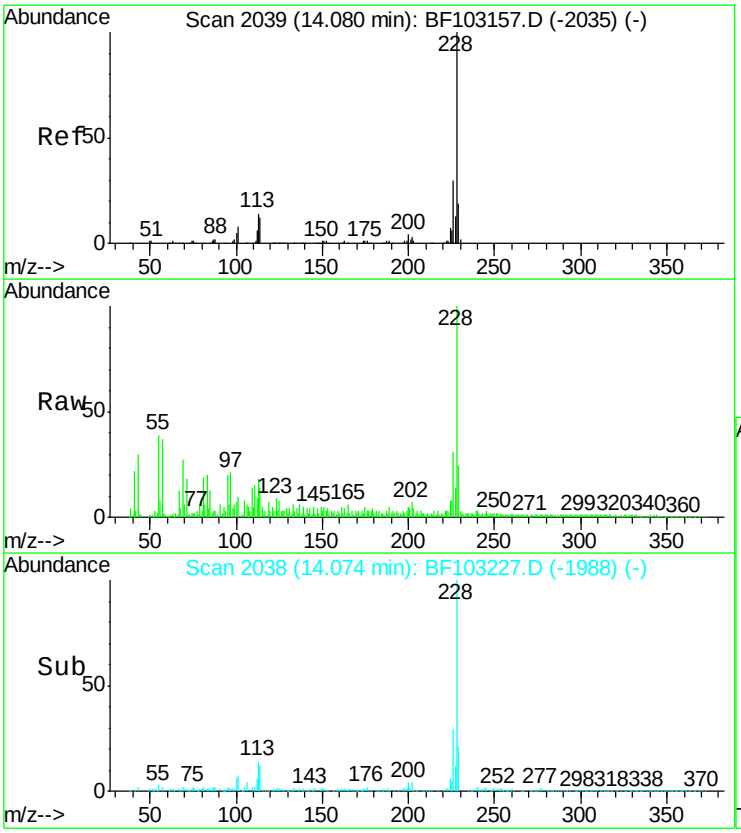

#80
Benzo(a)anthracene
Concen: 9.33 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:228 Resp: 169621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.5 | 22.6 | 33.8 |
| 229 | 22.3 | 15.8 | 23.6 |

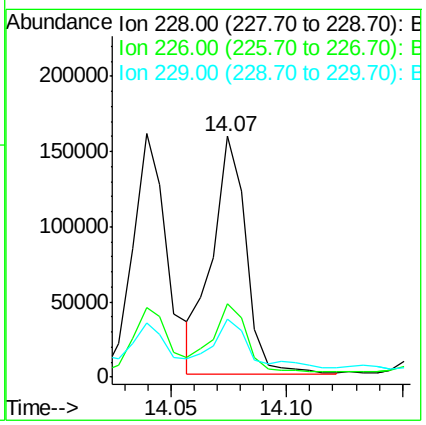


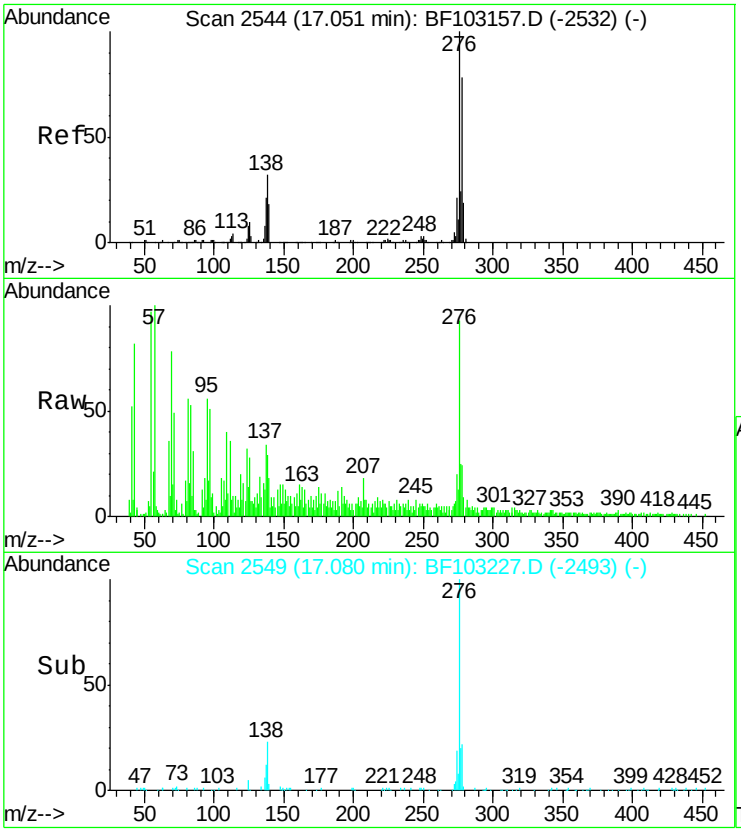




#82
Chrysene
Concen: 9.11 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:228 Resp: 160837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 25.0 | 37.6 |
| 229 | 23.8 | 16.2 | 24.4 |



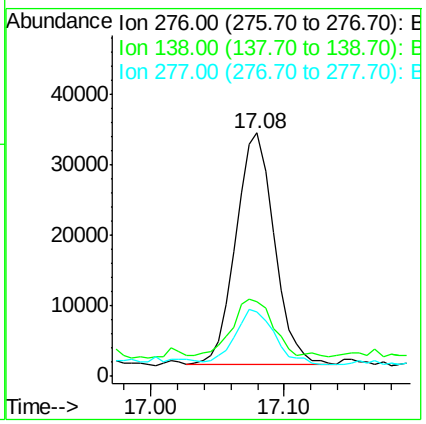


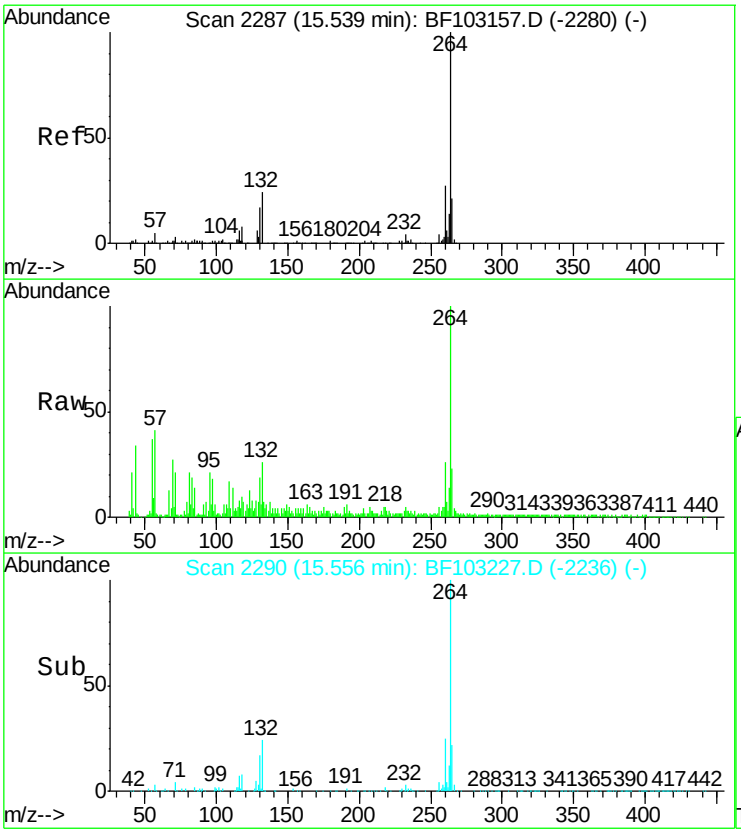

#85
Indeno(1,2,3-cd)pyrene
Concen: 4.67 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.03 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:276 Resp: 65202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.8 | 25.0 | 37.6 |
| 277 | 24.7 | 20.1 | 30.1 |

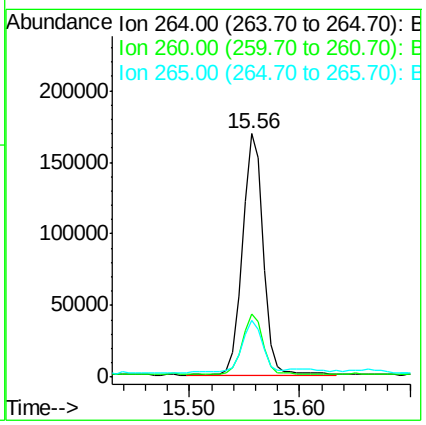


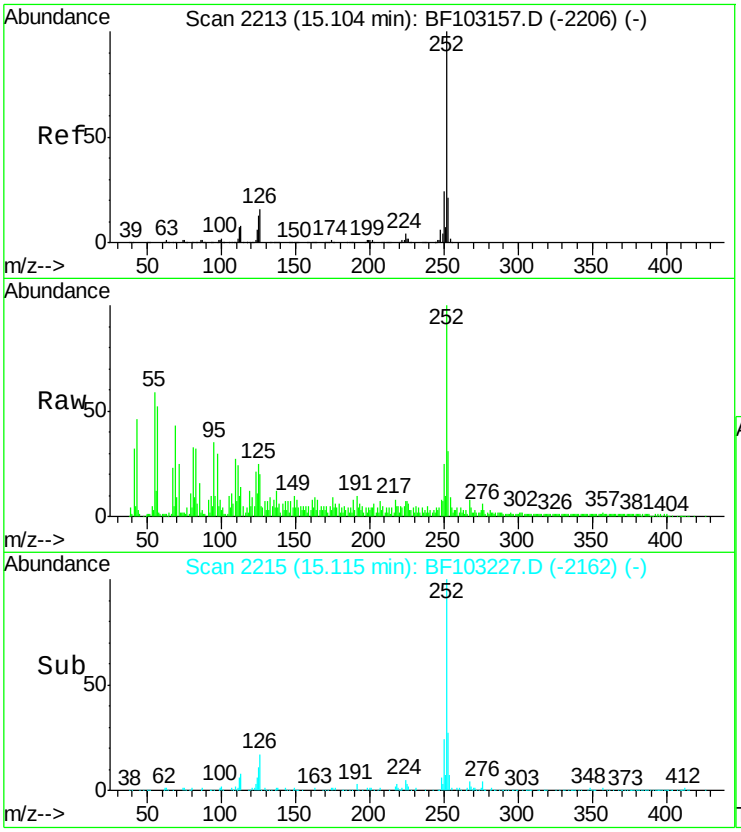




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:264 Resp: 223119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.8 | 19.2 | 28.8 |
| 265 | 23.3 | 17.5 | 26.3 |



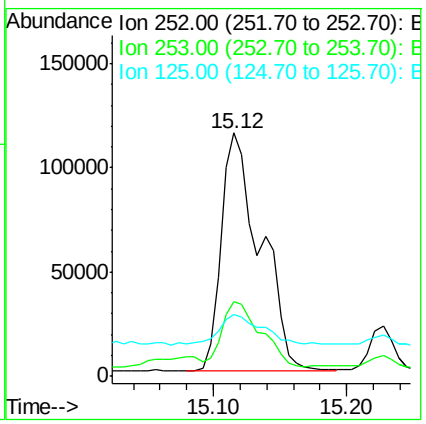


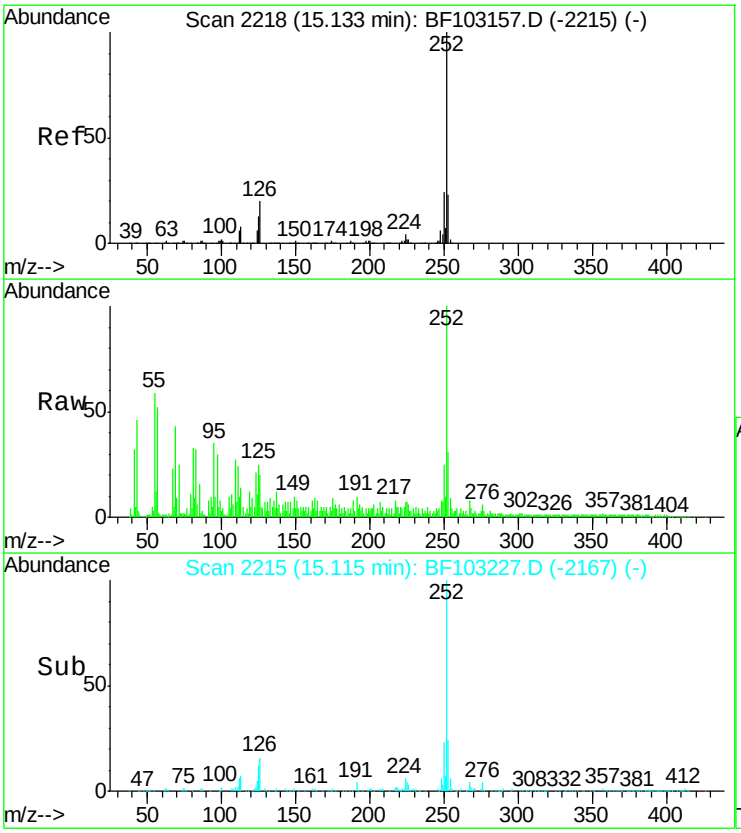

#87
Benzo(b)fluoranthene
Concen: 16.05 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:252 Resp: 235380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.9 | 17.0 | 25.6# |
| 125 | 25.4 | 9.0 | 13.6# |

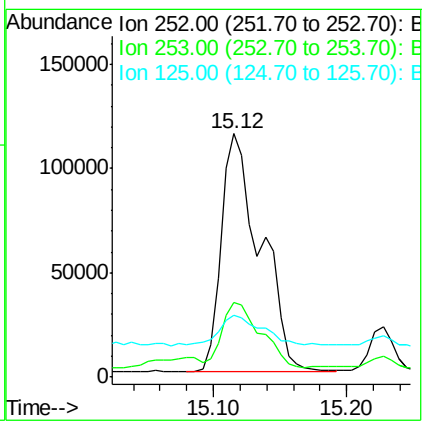


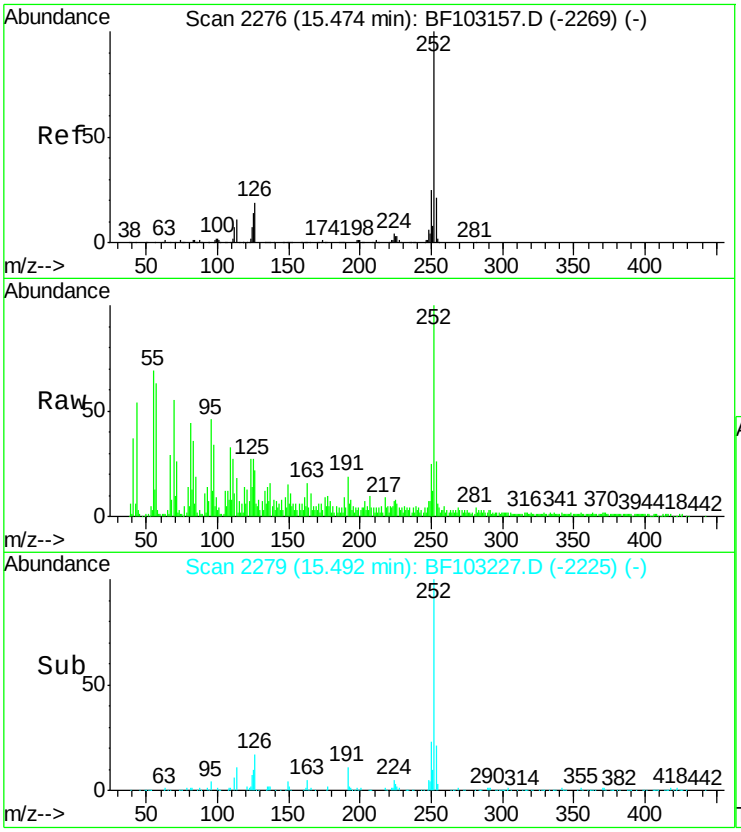




#88
Benzo(k)fluoranthene
Concen: 17.04 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:252 Resp: 235380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.9 | 17.9 | 26.9# |
| 125 | 25.4 | 10.2 | 15.2# |



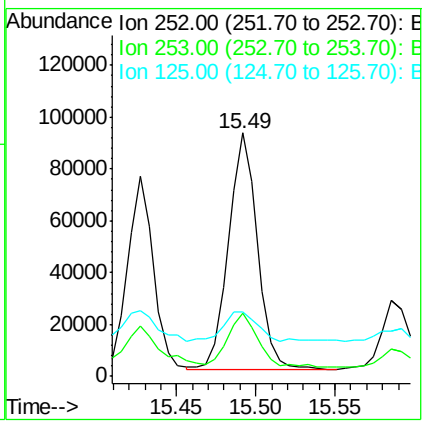


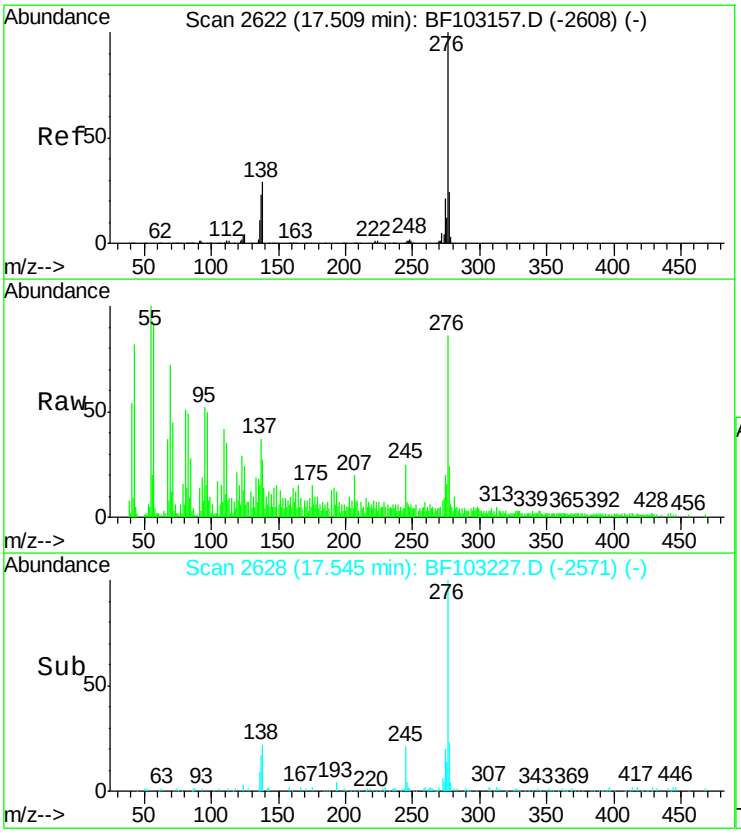

#89
Benzo(a)pyrene
Concen: 8.71 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

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

Tgt Ion:252 Resp: 114063

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 17.1 | 25.7# |
| 125 | 26.5 | 9.8 | 14.6# |




#91
Benzo(g,h,i)perylene
Concen: 6.25 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.04 min
Lab File: BF103227.D
Acq: 26 Feb 2018 19:45

Tgt Ion:276 Resp: 61796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.9 | 17.9 | 26.9# |
| 138 | 30.7 | 21.8 | 32.8 |