Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
Data File : BF114919.D
Acq On : 8 Jun 2019 4:31
Operator : HP/JU
Sample : K3160-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EO-02-060619-B

Quant Time: Jun 08 05:22:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 04 16:57:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 323057 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.95 | 136 | 1151700 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.69 | 164 | 465004 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.16 | 188 | 771283 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.79 | 240 | 531467 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.16 | 264 | 412447 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.27 | 112 | 933023 | 50.47 | ng | | 0.00 |
| 7) Phenol-d6 | 6.30 | 99 | 1142612 | 50.79 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 646053 | 34.53 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.47 | 330 | 209556 | 41.82 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.02 | 172 | 1197373 | 48.24 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.74 | 244 | 990330 | 36.24 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 87200 | 5.856 | ng | # | 77 |
| 25) Isophorone | 7.22 | 82 | 625828 | 16.920 | ng | # | 61 |
| 50) Dimethylphthalate | 9.41 | 163 | 97935 | 2.884 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.69 | 165 | 64928 | 8.129 | ng | # | 33 |
| 57) 2,4-Dinitrotoluene | 9.69 | 165 | 64928 | 6.466 | ng | # | 33 |
| 58) Fluorene | 10.23 | 166 | 39294 | Below Cal | | | 99 |
| 71) Phenanthrene | 11.19 | 178 | 266634 | 7.242 | ng | | 95 |
| 75) Fluoranthene | 12.37 | 202 | 417900 | 10.905 | ng | | 92 |
| 78) Pyrene | 12.59 | 202 | 410534 | 8.904 | ng | | 95 |
| 81) Benzo(a)anthracene | 13.77 | 228 | 171669 | 4.192 | ng | | 98 |
| 83) Chrysene | 13.81 | 228 | 183705 | 4.611 | ng | | 95 |
| 86) Indeno(1,2,3-cd)pyrene | 16.47 | 276 | 97502 | 2.145 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 14.78 | 252 | 282339 | 10.753 | ng | # | 90 |
| 89) Benzo(k)fluoranthene | 14.78 | 252 | 282339 | 12.662 | ng | # | 91 |
| 90) Benzo(a)pyrene | 15.11 | 252 | 150058 | 6.603 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 16.86 | 276 | 94364 | 4.360 | ng | | 92 |

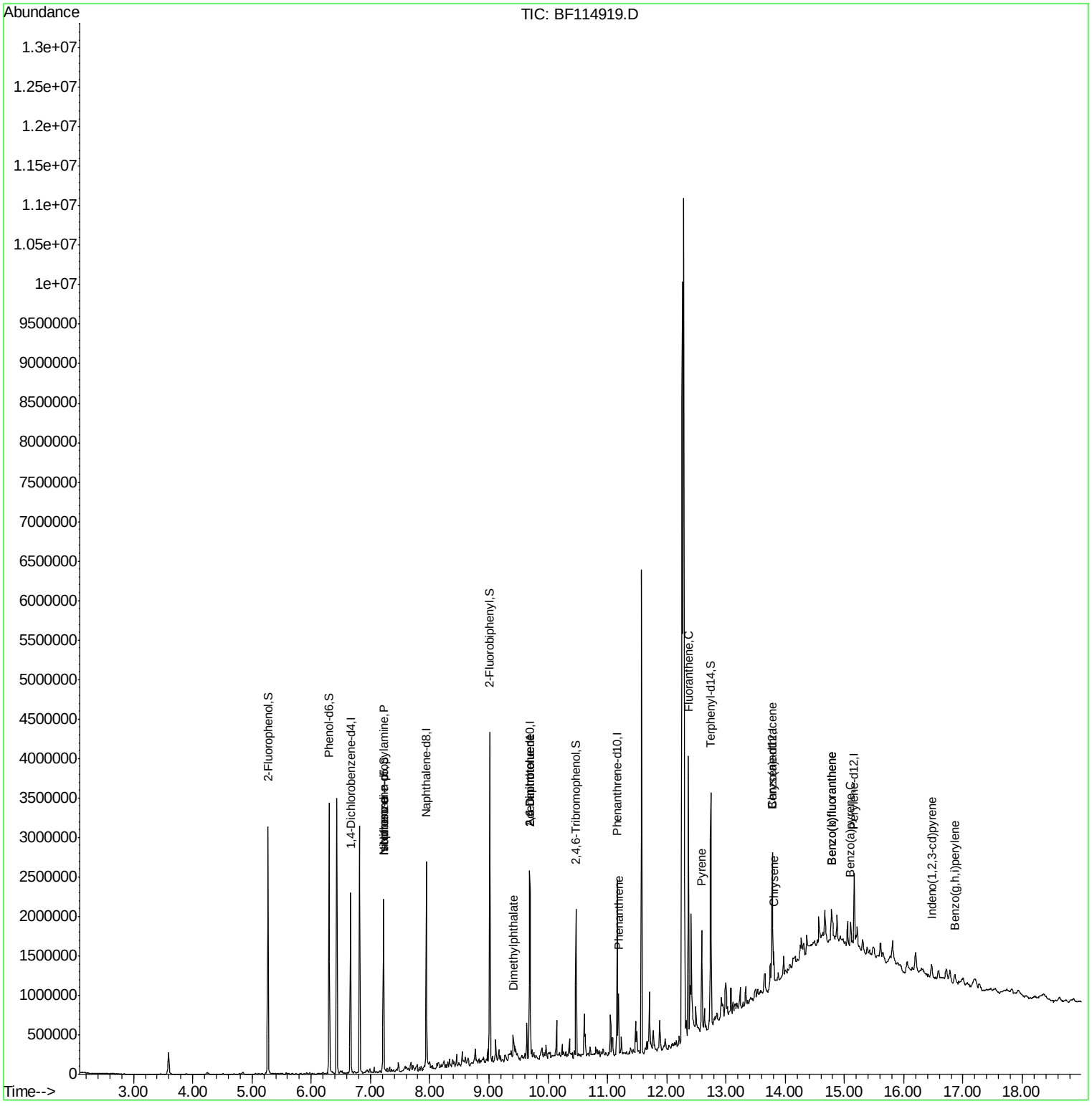
(#) = qualifier out of range (m) = manual integration (+) = signals summed

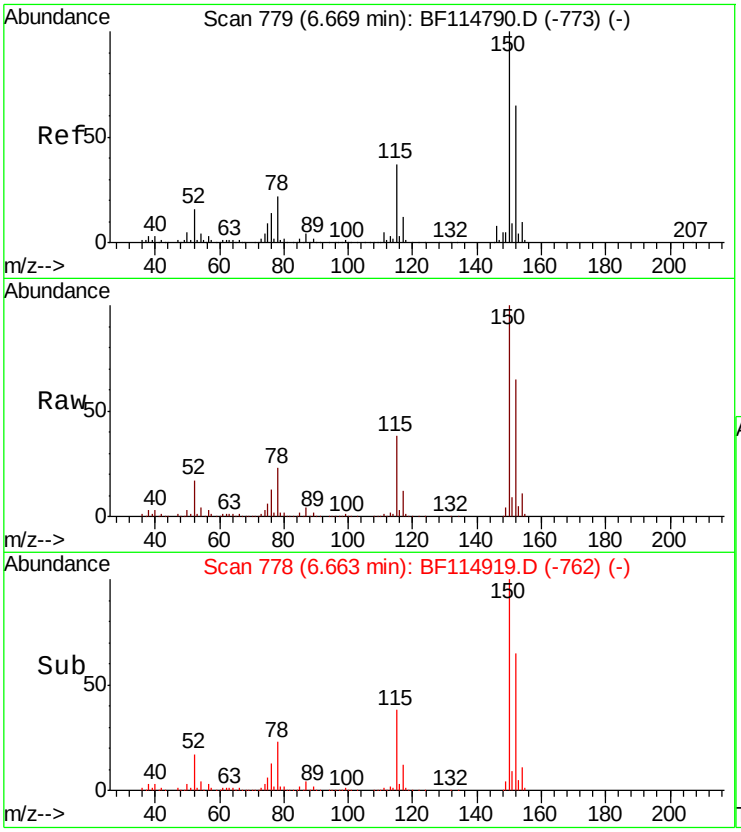
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
Data File : BF114919.D
Acq On : 8 Jun 2019 4:31
Operator : HP/JU
Sample : K3160-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Quant Time: Jun 08 05:22:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 04 16:57:15 2019
Response via : Initial Calibration



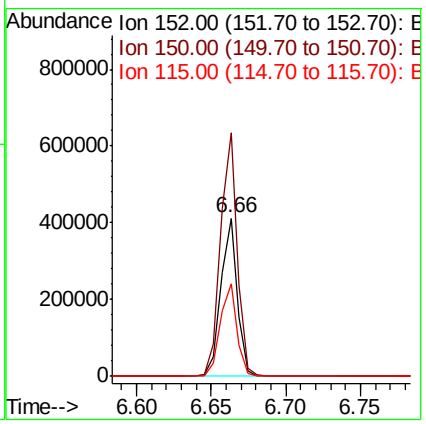


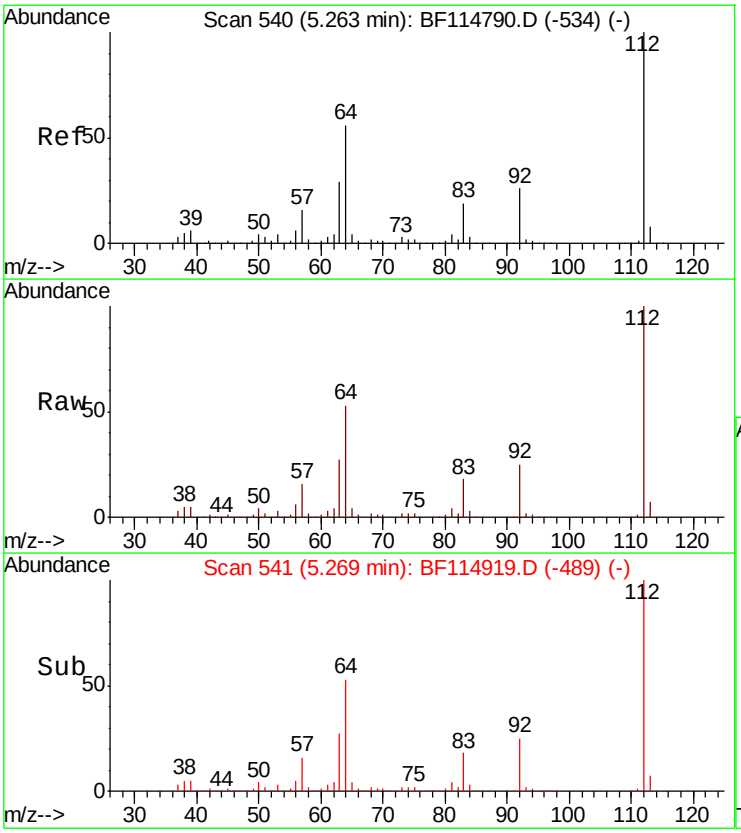

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:152 Resp: 323057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.9 | 124.0 | 186.0 |
| 115 | 58.6 | 46.3 | 69.5 |

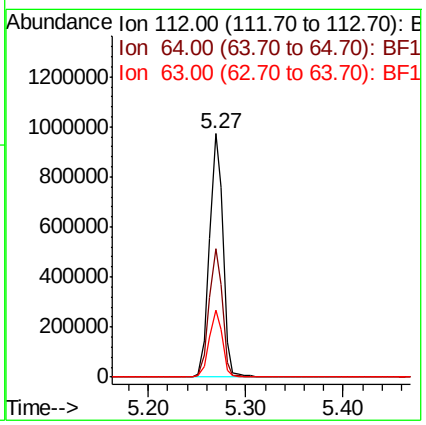


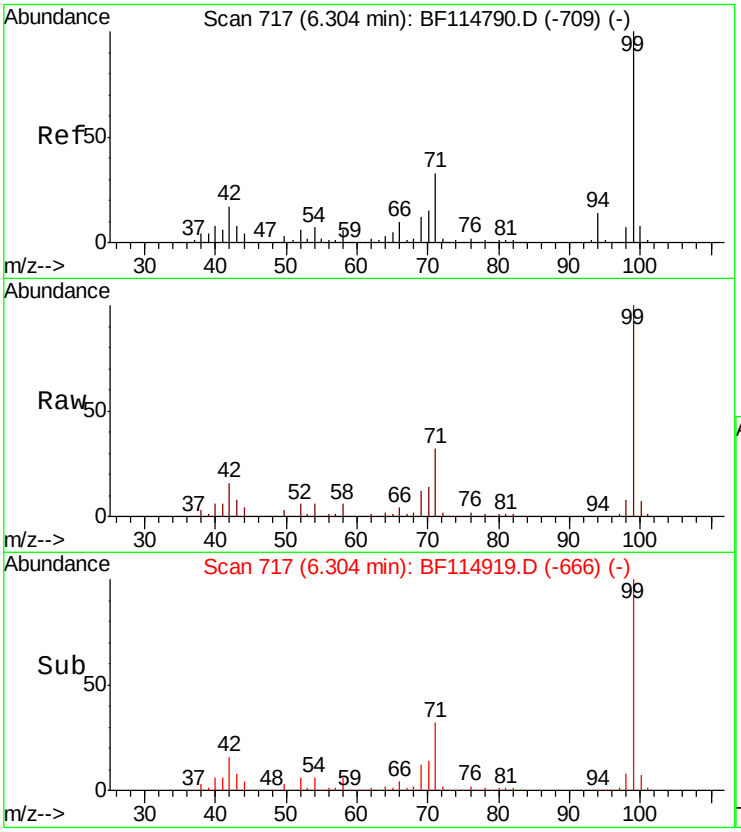




#5
2-Fluorophenol
Concen: 50.465 ng
RT: 5.27 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:112 Resp: 933023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.9 | 44.6 | 66.8 |
| 63 | 27.4 | 23.0 | 34.4 |



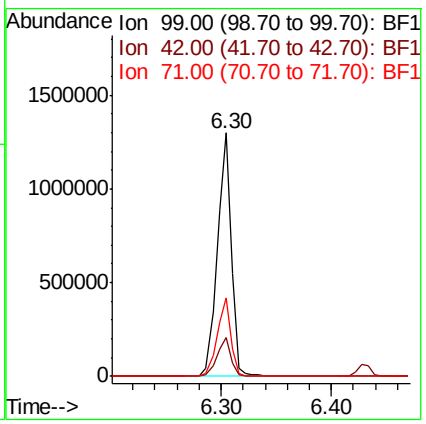


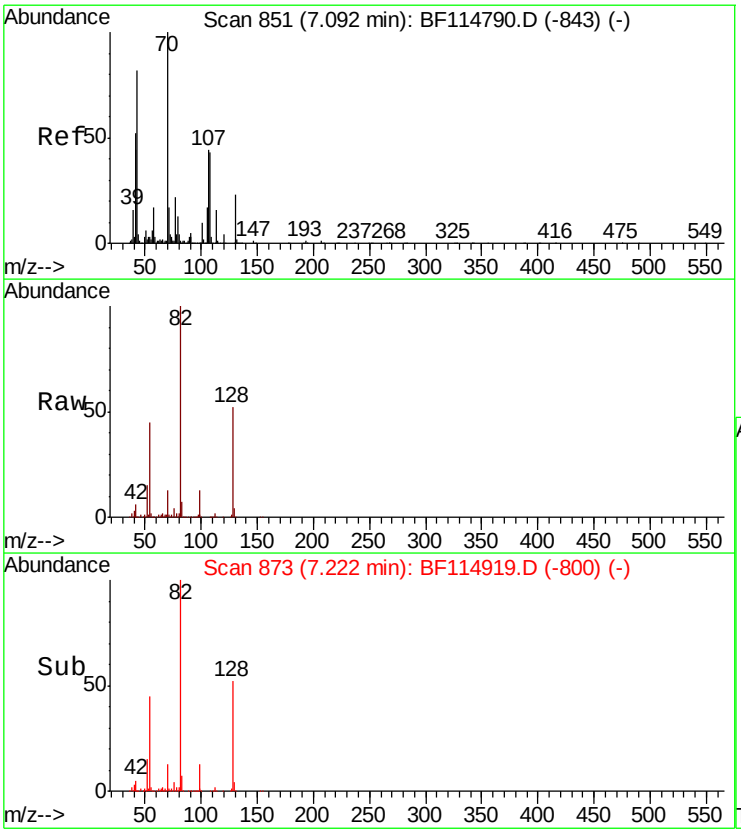

#7
Phenol-d6
Concen: 50.790 ng
RT: 6.30 min Scan# 717
Delta R.T. 0.00 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion: 99 Resp: 1142612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.9 | 13.3 | 19.9 |
| 71 | 32.4 | 26.3 | 39.5 |

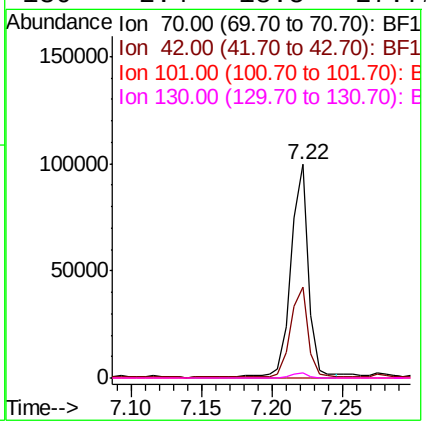


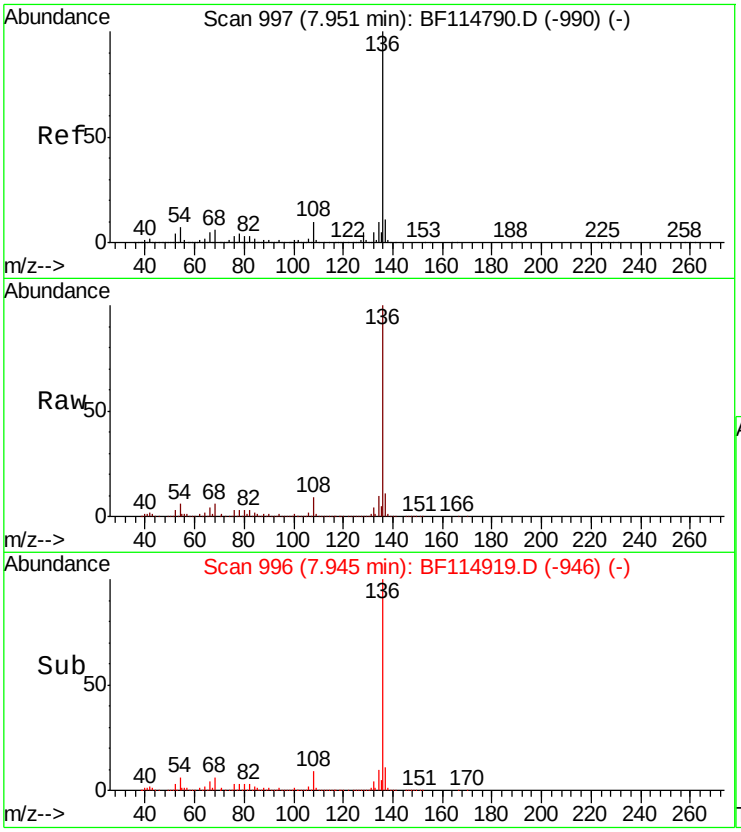




#19
n-Nitroso-di-n-propylamine
Concen: 5.856 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.13 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 70 Resp: 87200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 42.3 | 41.8 | 62.8 |
| 101 | 0.0 | 8.2 | 12.4# |
| 130 | 2.4 | 18.5 | 27.7# |



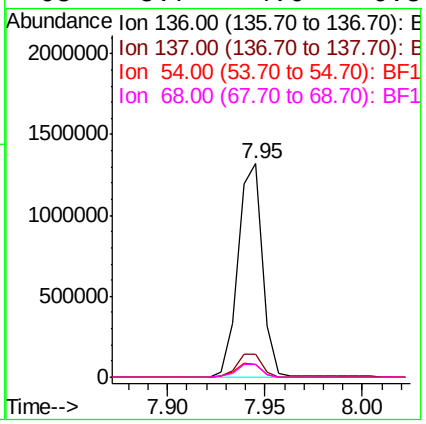


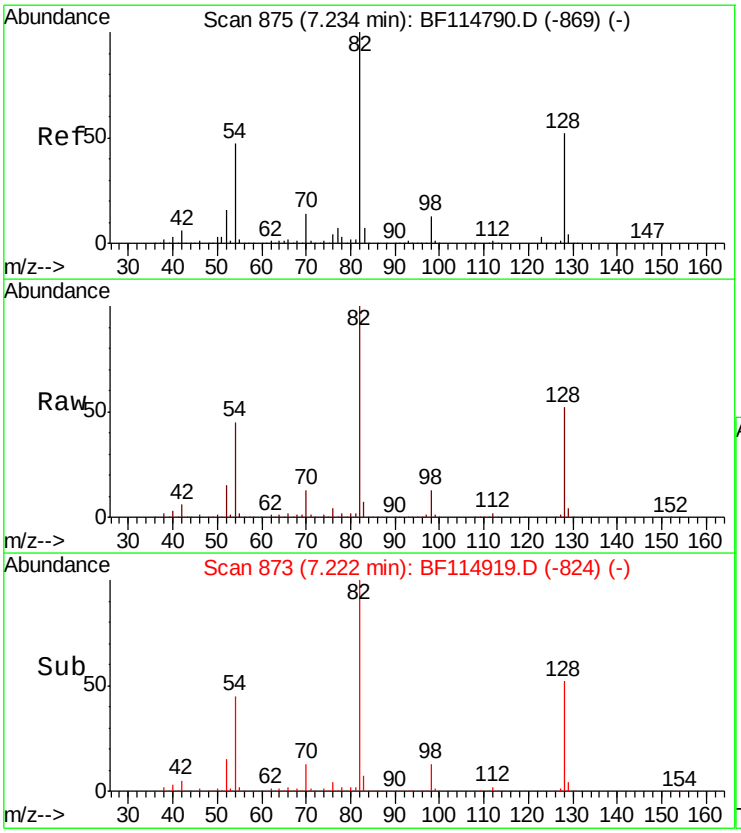

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:136 Resp: 1151700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.1 | 13.7 |
| 54 | 6.1 | 5.4 | 8.0 |
| 68 | 5.7 | 4.6 | 6.8 |

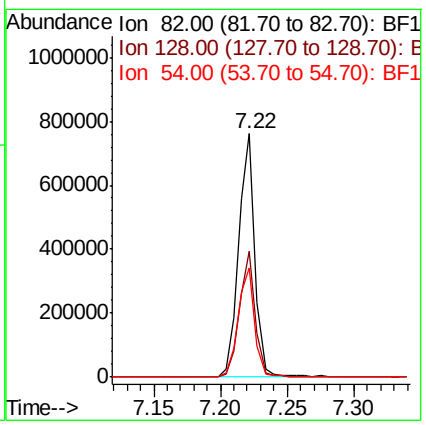


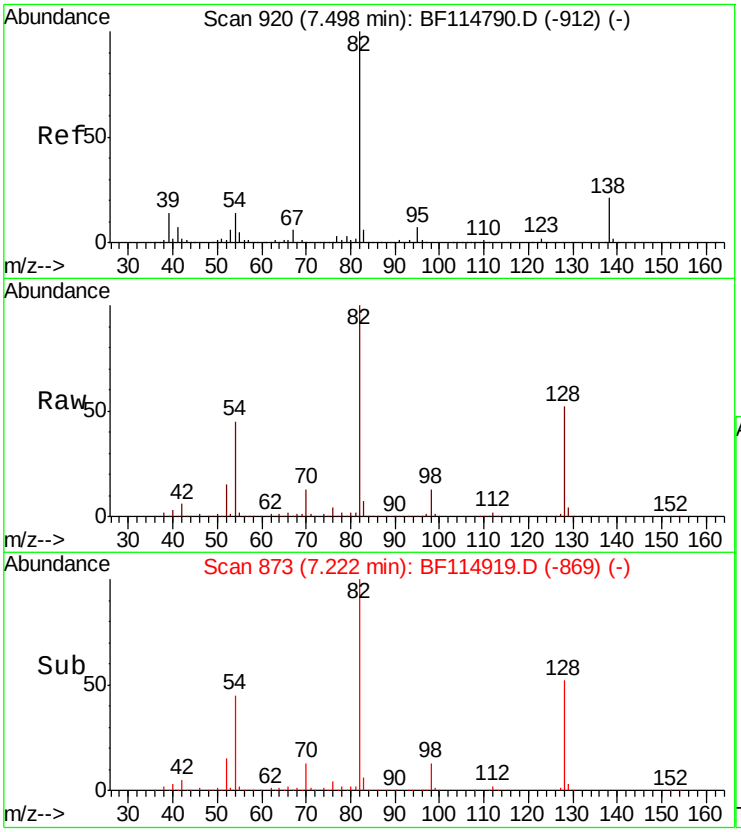




#23
Nitrobenzene-d5
Concen: 34.532 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 82 Resp: 646053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.7 | 41.8 | 62.6 |
| 54 | 45.1 | 37.9 | 56.9 |



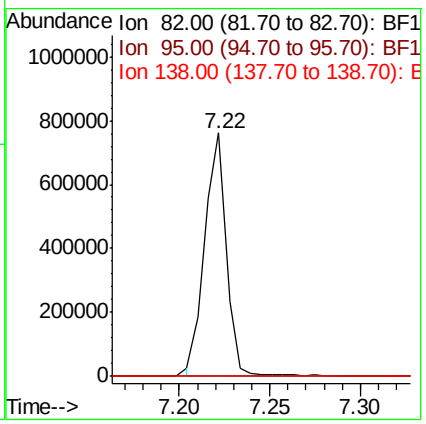


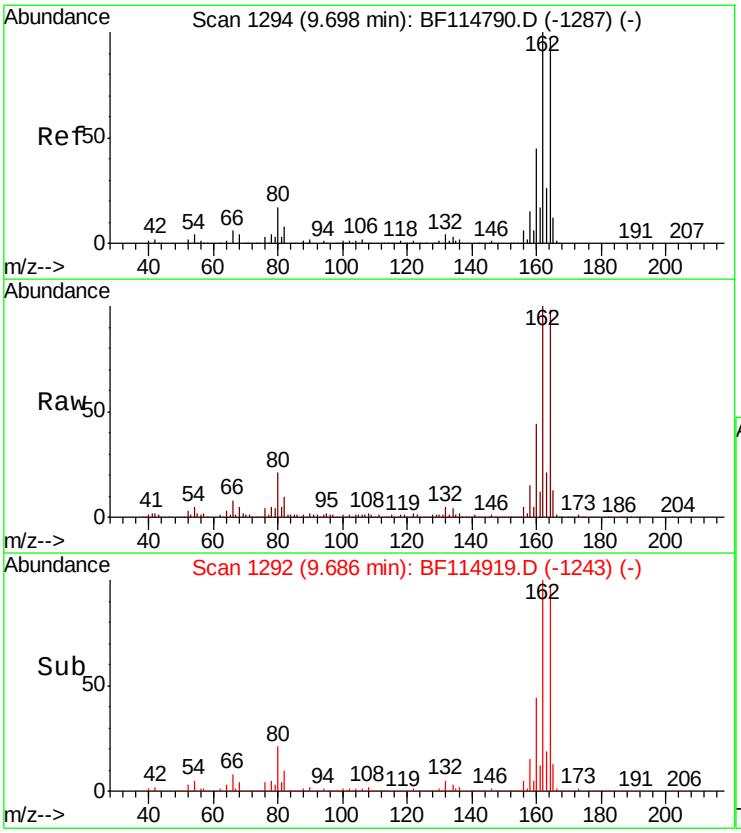

#25
Isophorone
Concen: 16.920 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.28 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion: 82 Resp: 625828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.8 | 8.8# |
| 138 | 0.0 | 16.9 | 25.3# |

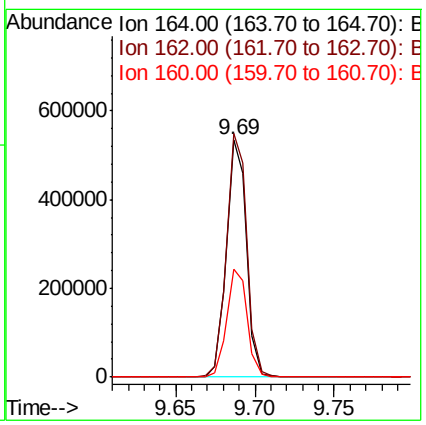


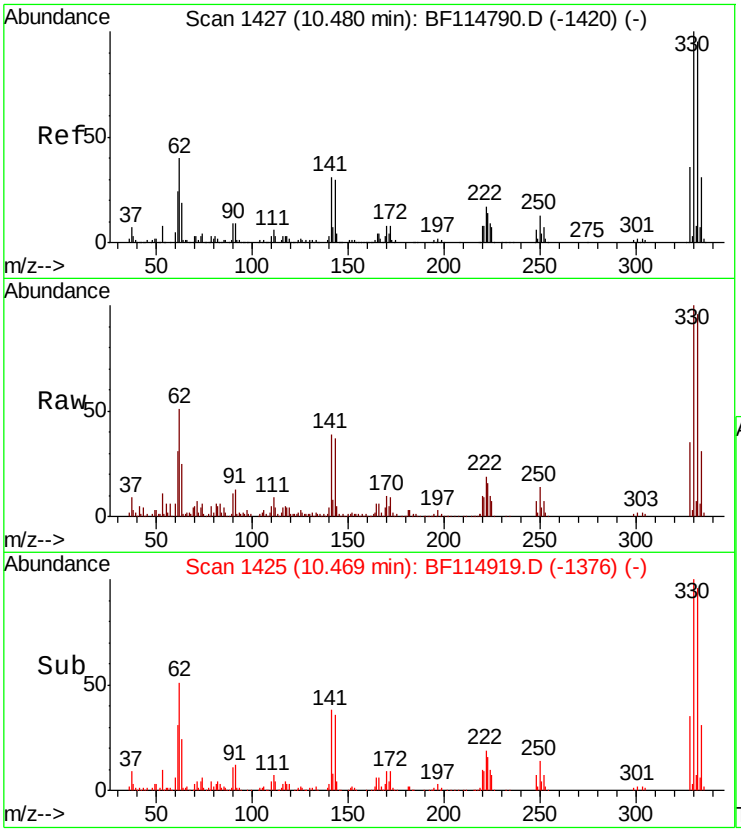




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:164 Resp: 465004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 82.3 | 123.5 |
| 160 | 45.5 | 36.7 | 55.1 |



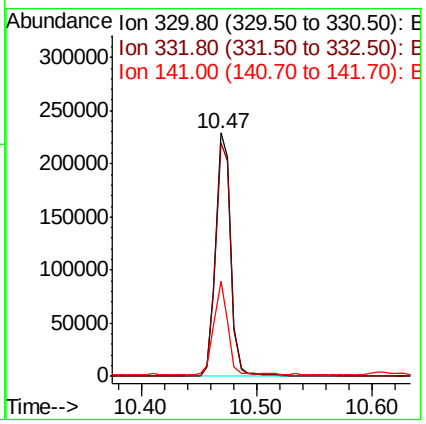


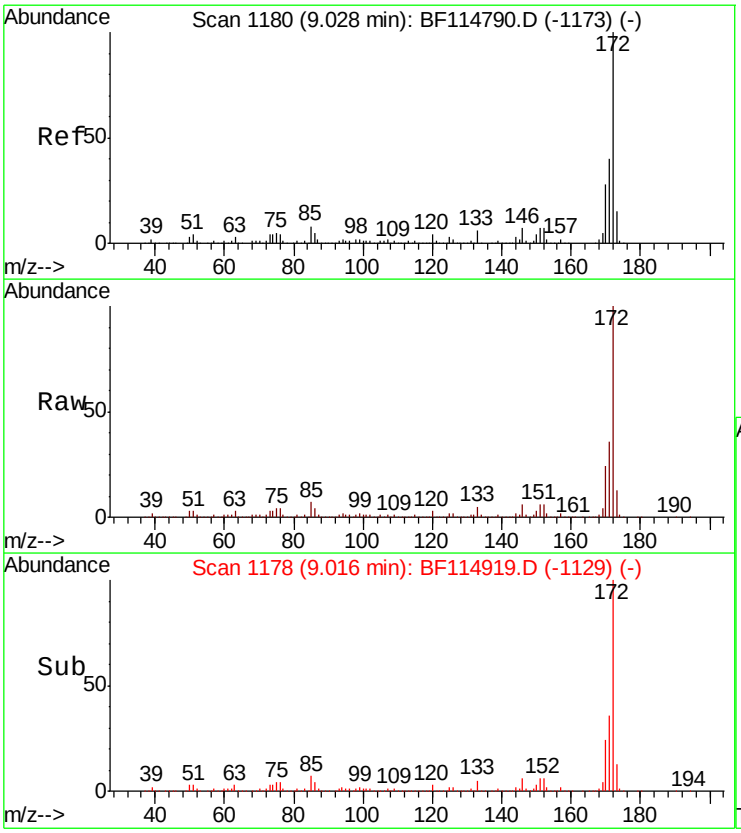

#42
2,4,6-Tribromophenol
Concen: 41.818 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:330 Resp: 209556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 77.3 | 115.9 |
| 141 | 34.4 | 26.2 | 39.4 |

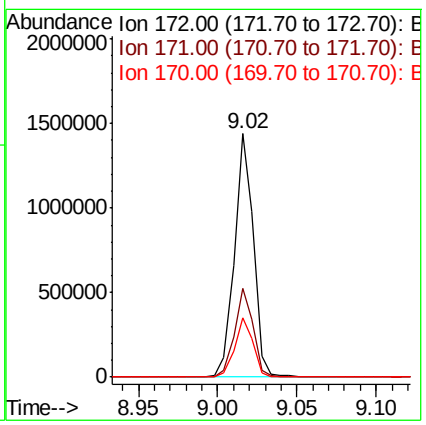


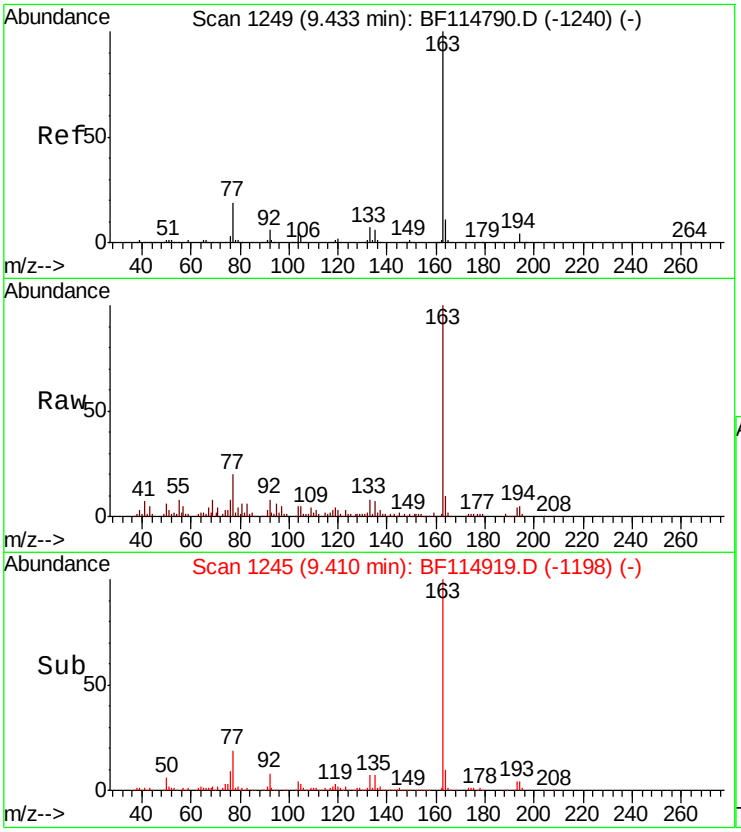




#45
2-Fluorobiphenyl
Concen: 48.236 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:172 Resp: 1197373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.3 | 32.3 | 48.5 |
| 170 | 24.5 | 22.4 | 33.6 |



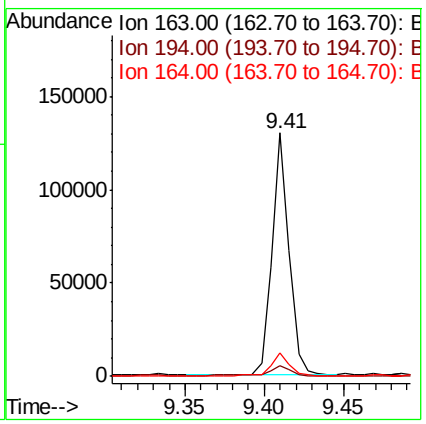


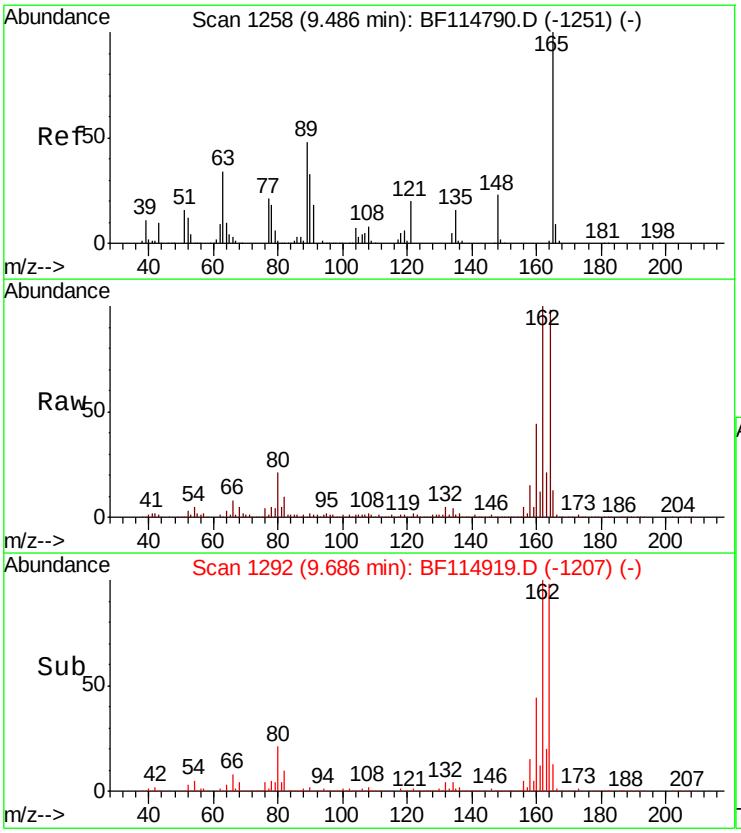

#50
Dimethylphthalate
Concen: 2.884 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:163 Resp: 97935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.6 | 3.4 | 5.2 |
| 164 | 9.9 | 8.6 | 13.0 |

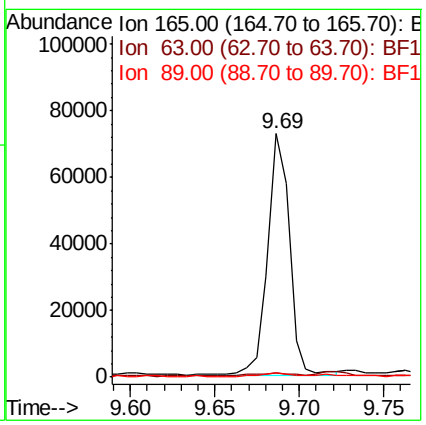


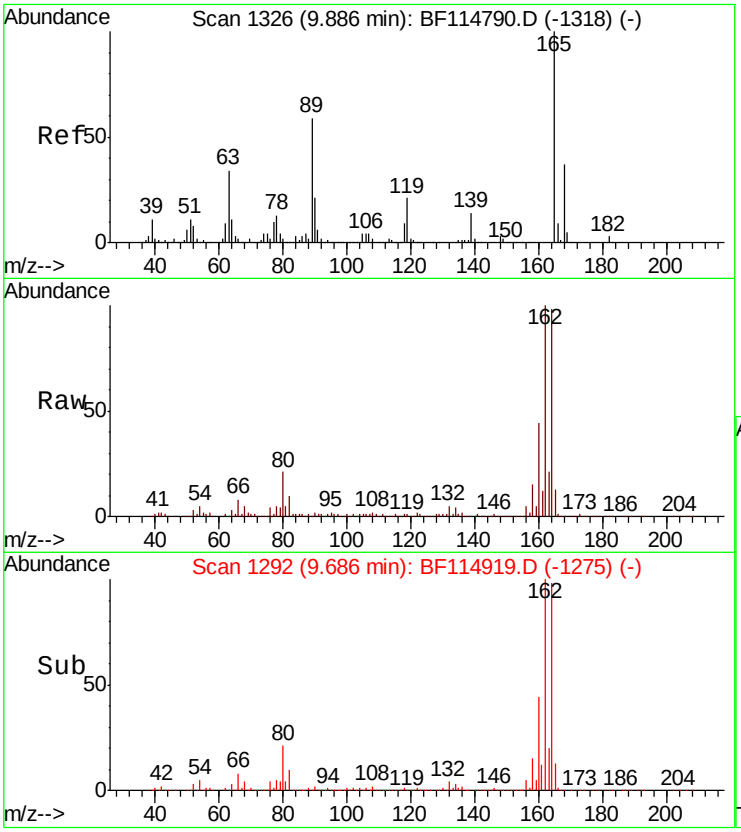




#51
2,6-Dinitrotoluene
Concen: 8.129 ng
RT: 9.69 min Scan# 1292
Delta R.T. 0.20 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:165 Resp: 64928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.9 | 35.1 | 52.7# |
| 89 | 1.8 | 38.2 | 57.2# |



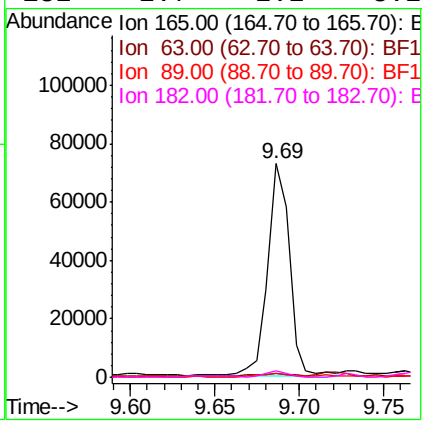


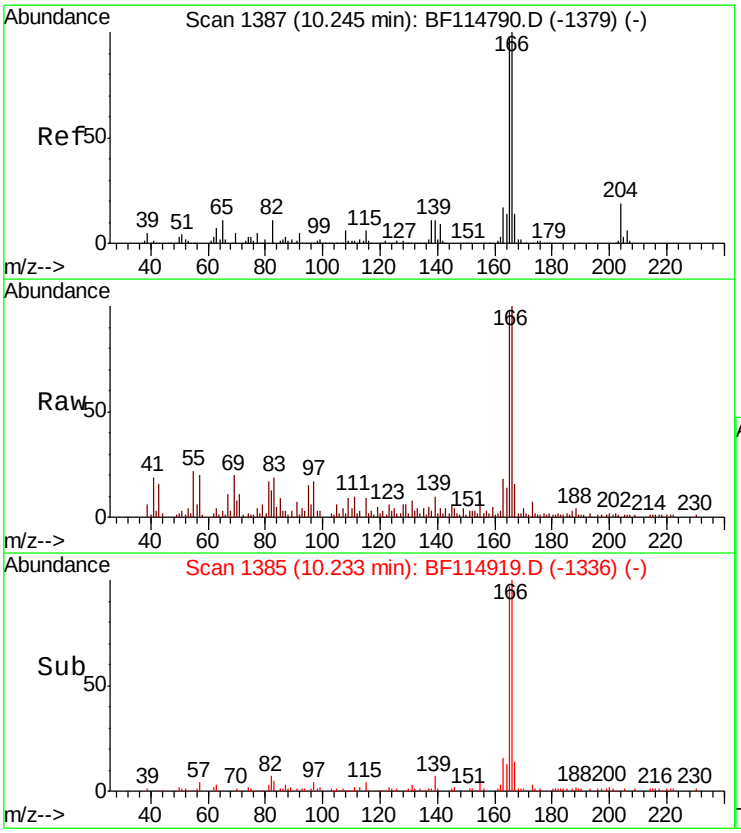

#57
2,4-Dinitrotoluene
Concen: 6.466 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.20 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:165 Resp: 64928

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.9 | 27.0 | 40.4# |
| 89 | 1.8 | 47.0 | 70.6# |
| 182 | 2.7 | 2.2 | 3.2 |

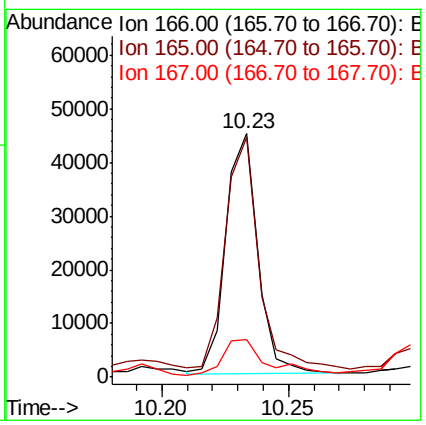


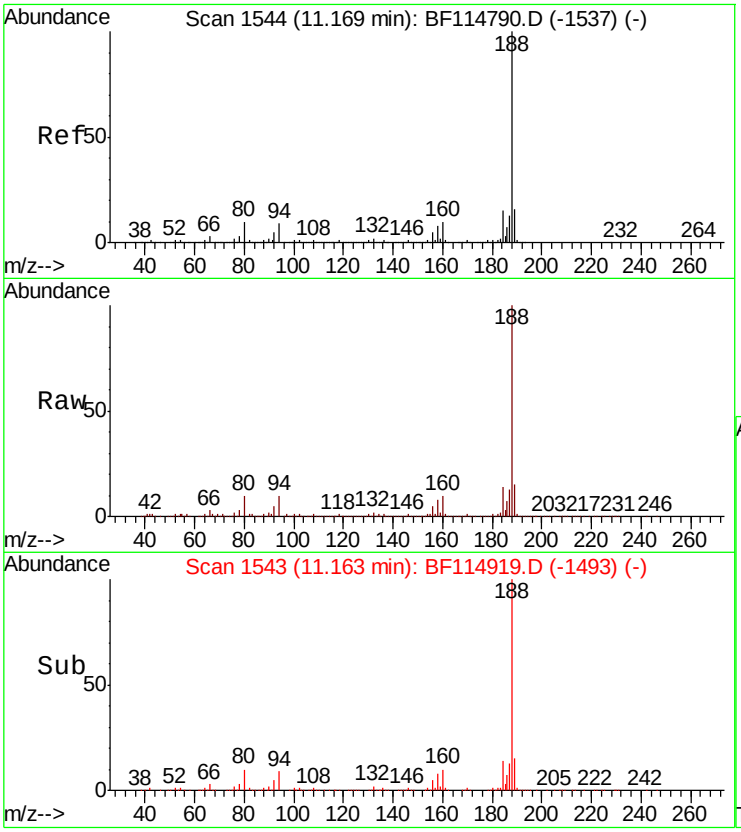




#58
Fluorene
Concen: Below Cal
RT: 10.23 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:166 Resp: 39294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.5 | 77.9 | 116.9 |
| 167 | 15.5 | 11.3 | 16.9 |



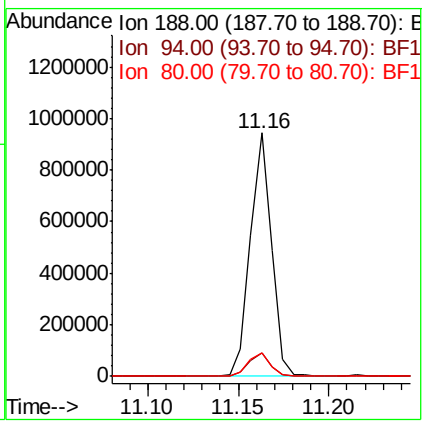


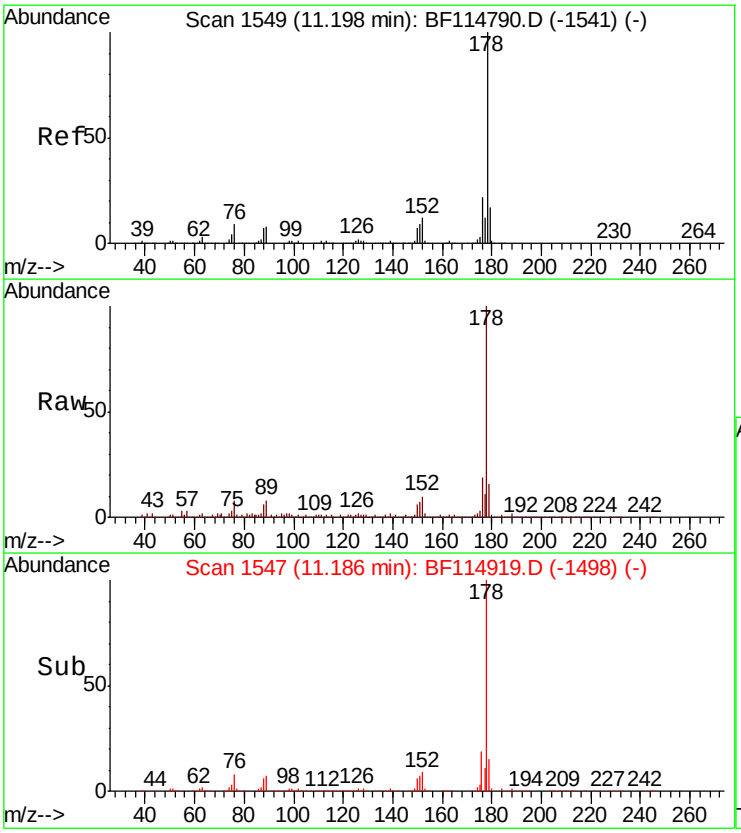

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:188 Resp: 771283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 7.6 | 11.4 |
| 80 | 9.9 | 8.3 | 12.5 |

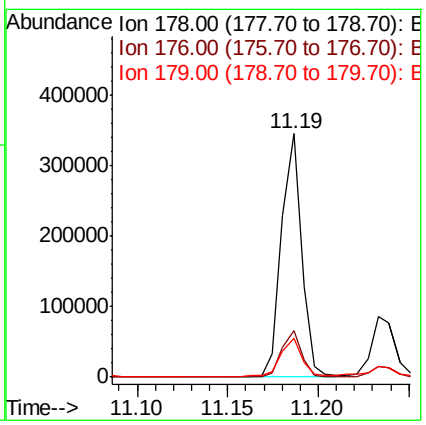


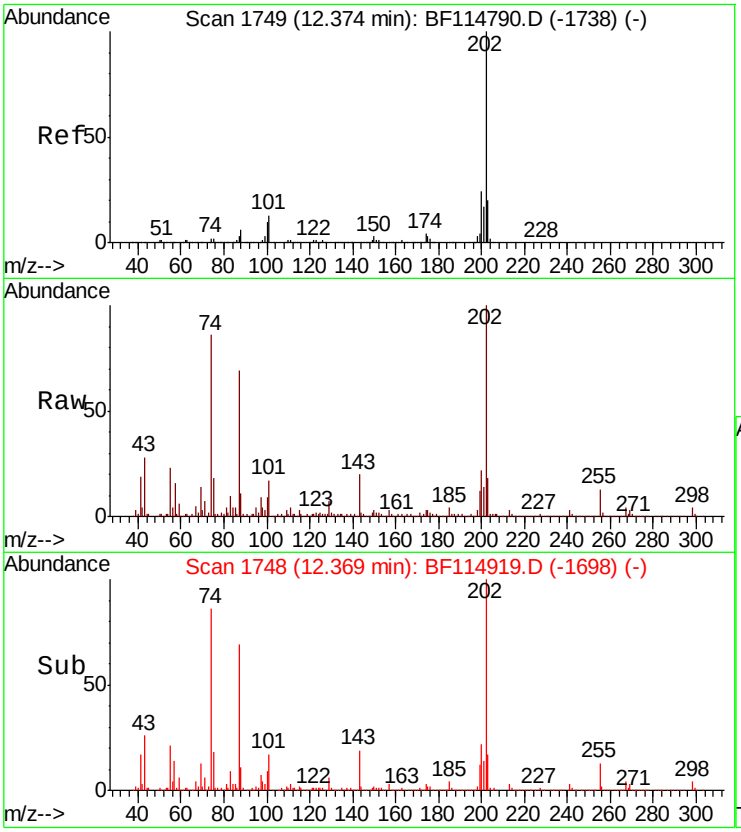




#71
Phenanthrene
Concen: 7.242 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:178 Resp: 266634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 17.7 | 26.5 |
| 179 | 15.7 | 13.7 | 20.5 |



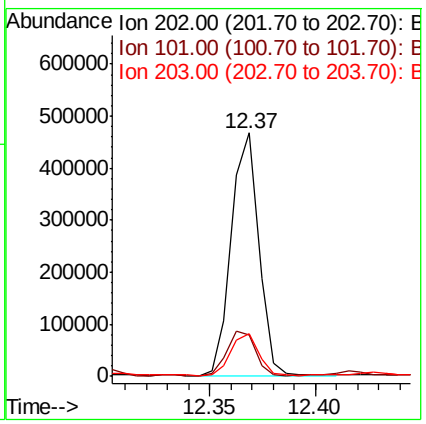


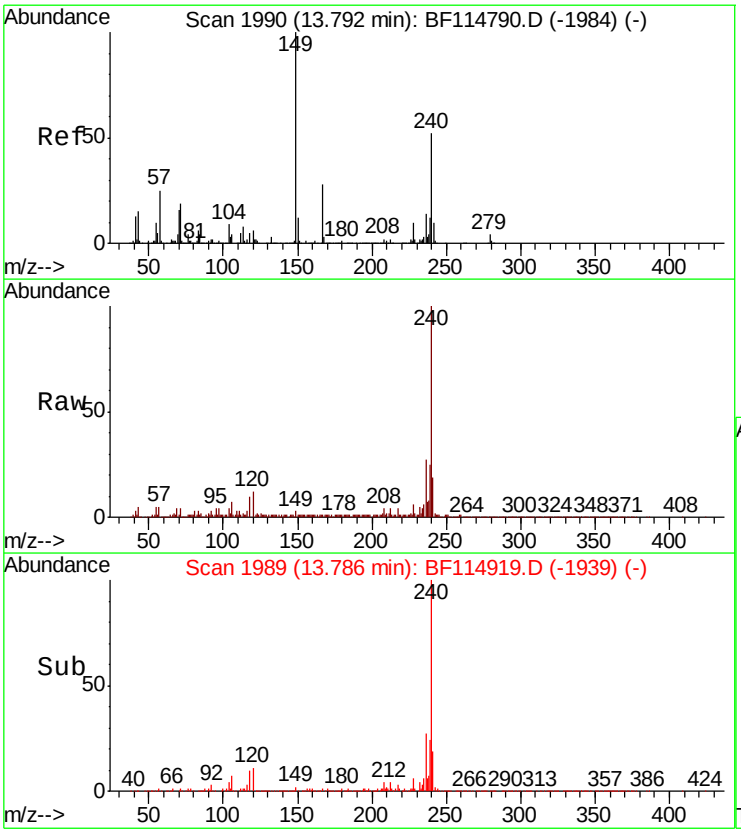

#75
Fluoranthene
Concen: 10.905 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:202 Resp: 417900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.0 | 0.0 | 32.8 |
| 203 | 17.5 | 0.2 | 40.2 |

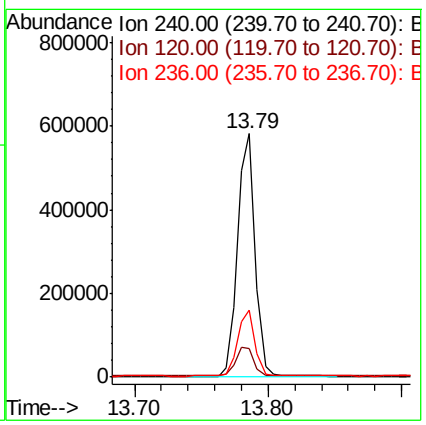


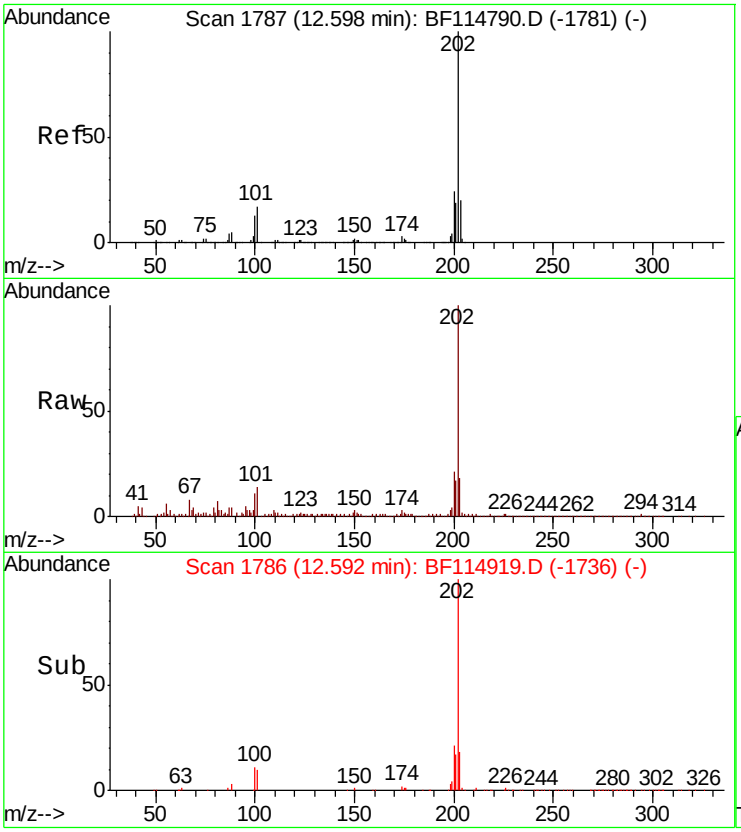




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:240 Resp: 531467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.5 | 9.0 | 13.4 |
| 236 | 27.3 | 21.4 | 32.0 |



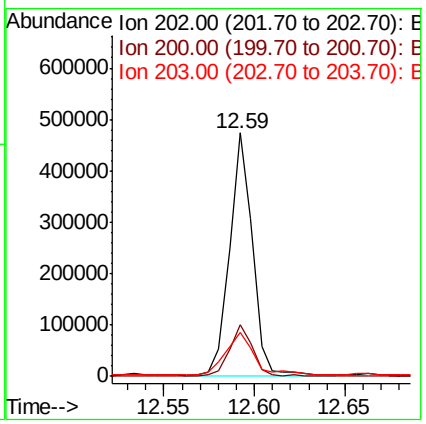


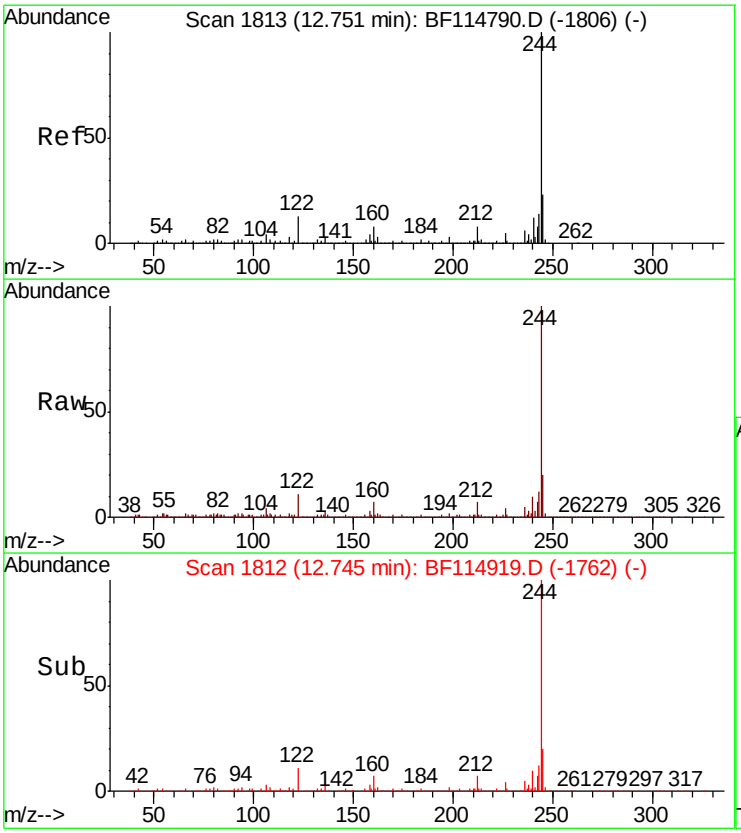

#78
Pyrene
Concen: 8.904 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:202 Resp: 410534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.1 | 19.2 | 28.8 |
| 203 | 18.2 | 15.9 | 23.9 |

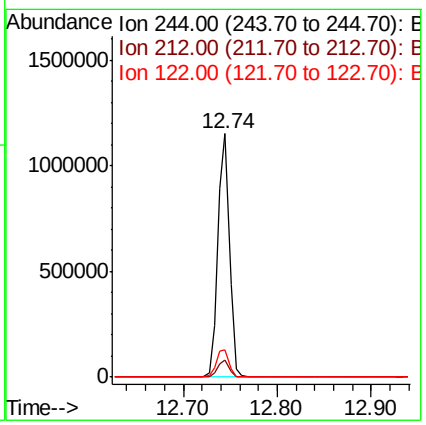


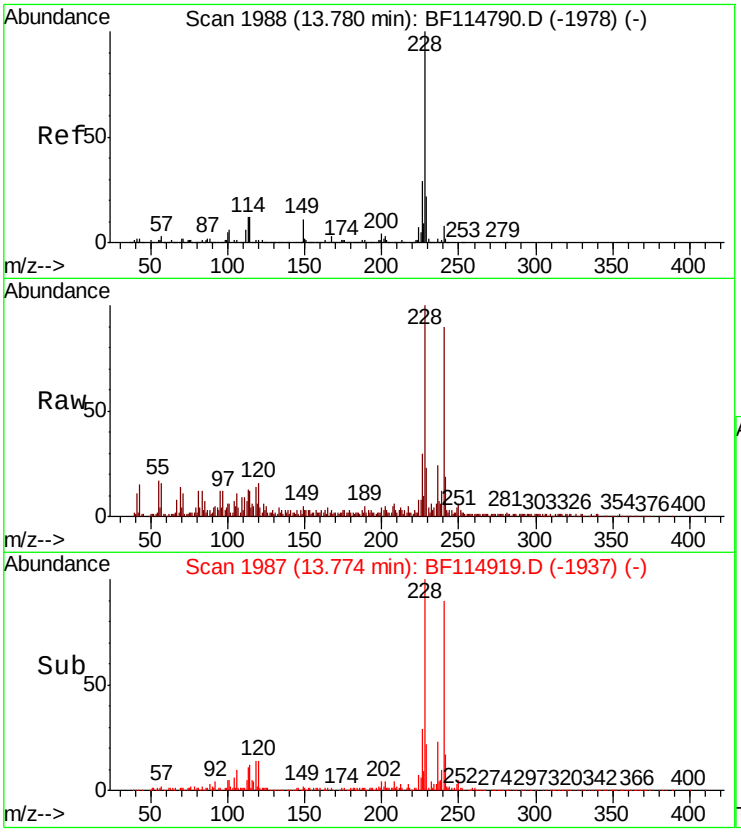




#79
Terphenyl-d14
Concen: 36.238 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:244 Resp: 990330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 6.5 | 9.7 |
| 122 | 11.1 | 10.5 | 15.7 |



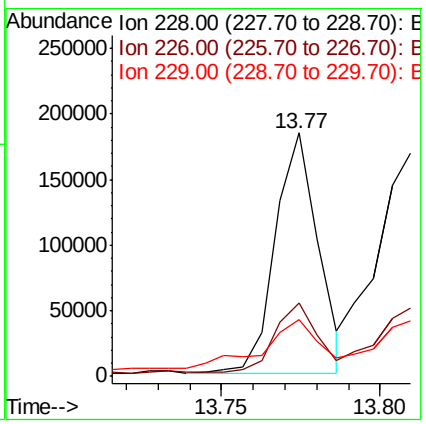


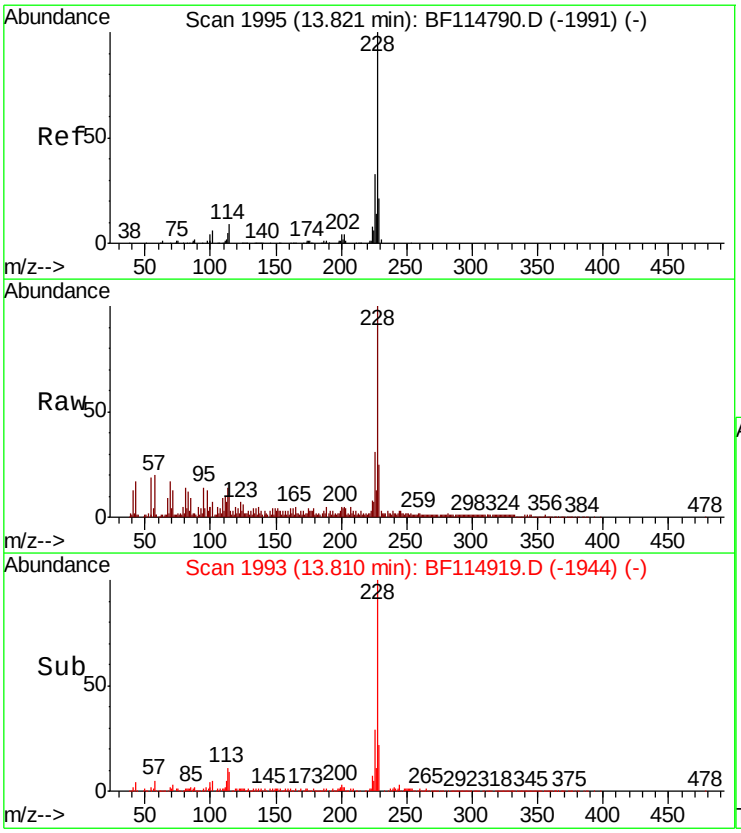

#81
Benzo(a)anthracene
Concen: 4.192 ng
RT: 13.77 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:228 Resp: 171669

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.4 | 35.2 |
| 229 | 23.1 | 17.4 | 26.0 |

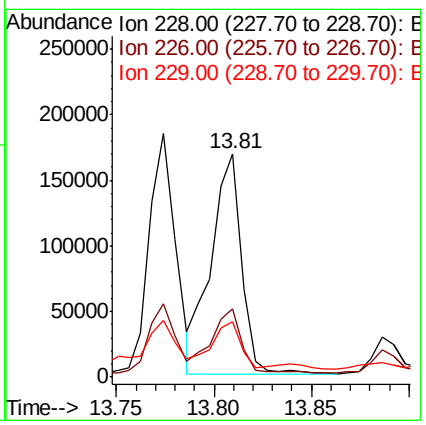


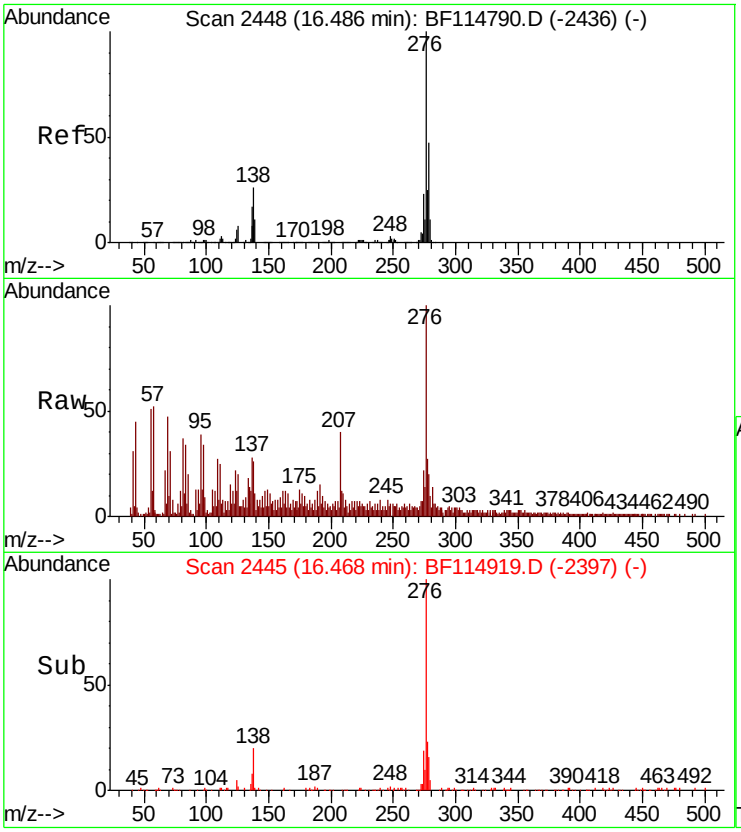




#83
Chrysene
Concen: 4.611 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:228 Resp: 183705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 26.0 | 39.0 |
| 229 | 24.8 | 17.1 | 25.7 |



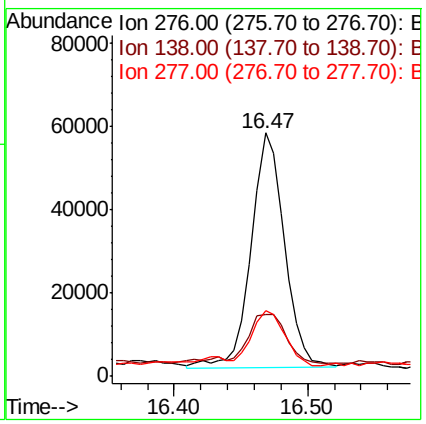


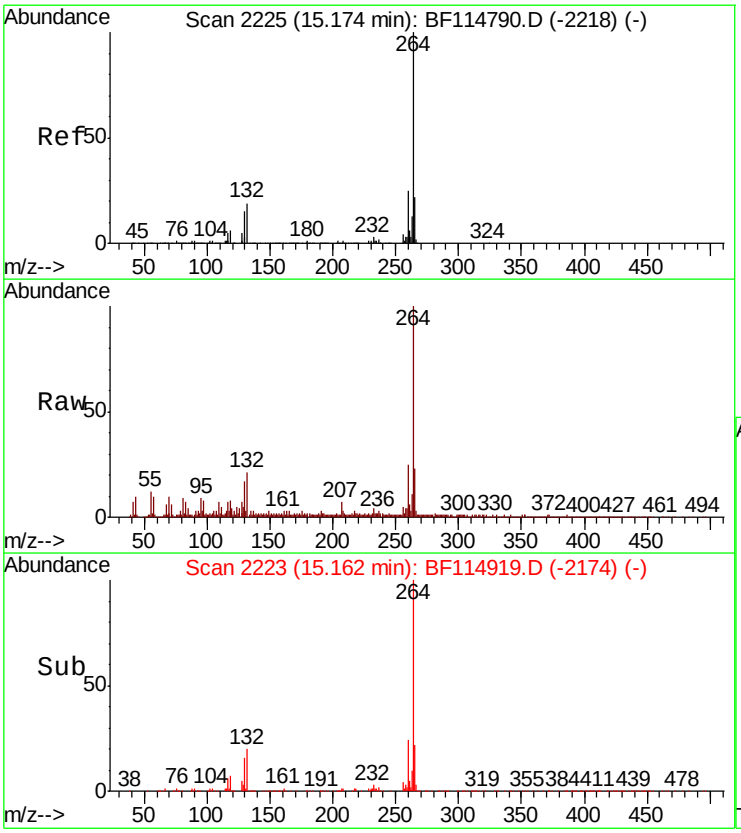

#86
Indeno(1,2,3-cd)pyrene
Concen: 2.145 ng
RT: 16.47 min Scan# 2445
Delta R.T. -0.02 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:276 Resp: 97502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.1 | 22.2 | 33.4 |
| 277 | 22.7 | 20.6 | 30.8 |

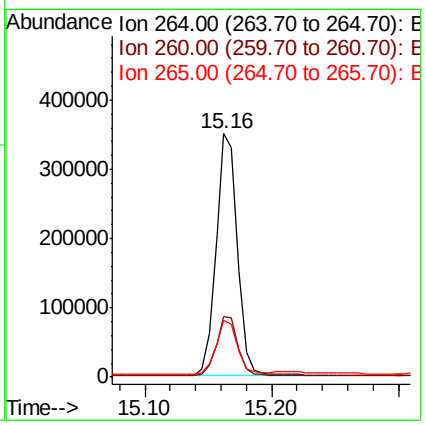


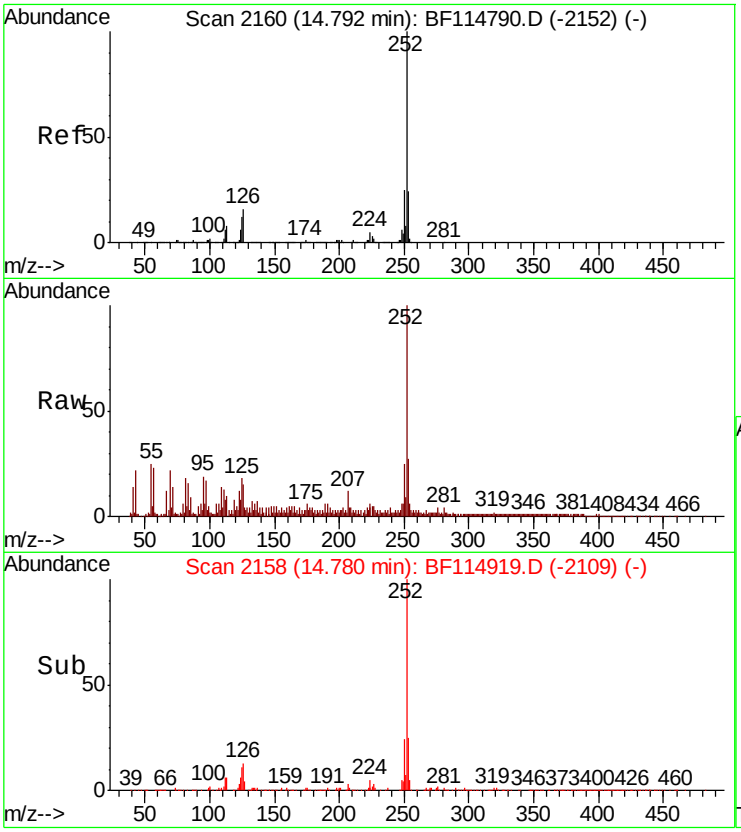




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:264 Resp: 412447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 20.1 | 30.1 |
| 265 | 23.1 | 17.7 | 26.5 |



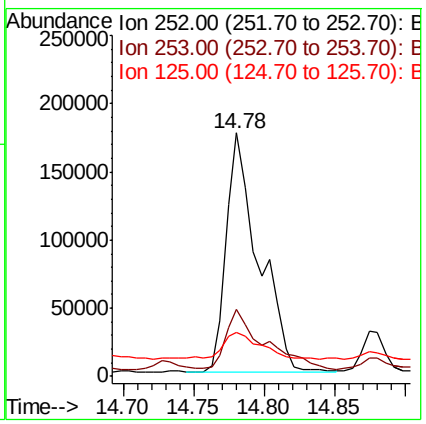


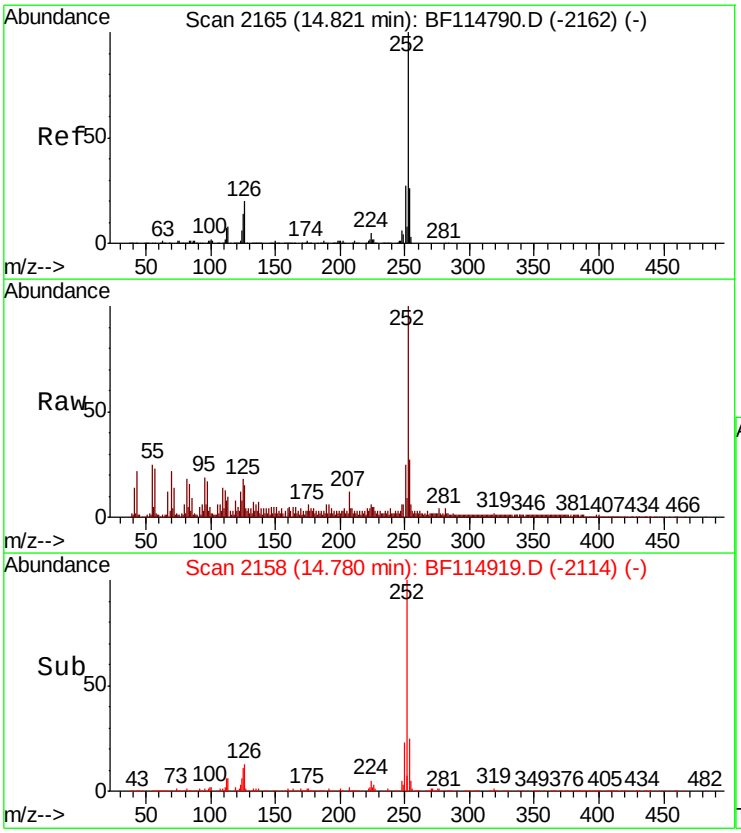

#88
Benzo(b)fluoranthene
Concen: 10.753 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:252 Resp: 282339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 19.0 | 28.6 |
| 125 | 18.0 | 9.4 | 14.0# |

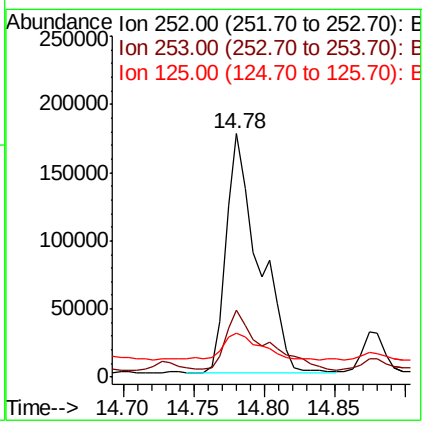


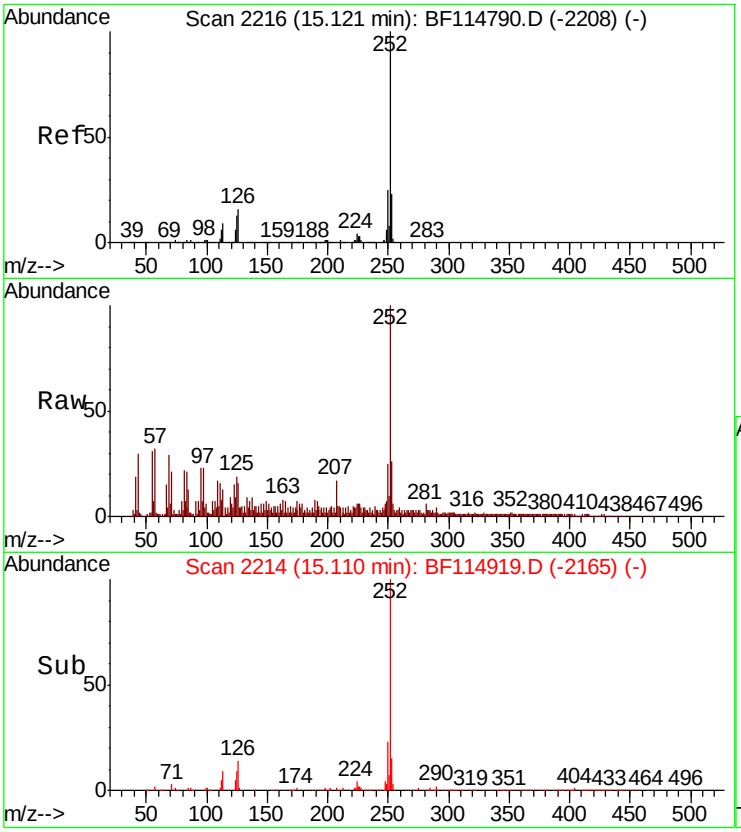




#89
Benzo(k)fluoranthene
Concen: 12.662 ng
RT: 14.78 min Scan# 2158
Delta R.T. -0.04 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:252 Resp: 282339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.4 | 19.3 | 28.9 |
| 125 | 18.0 | 10.1 | 15.1# |



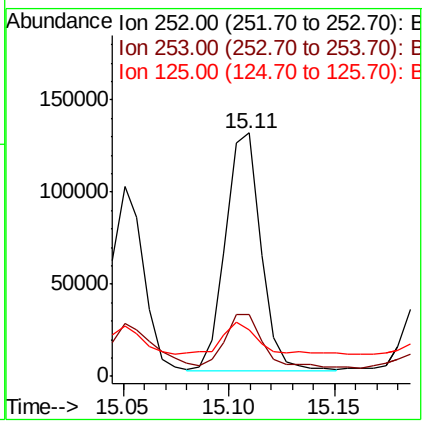


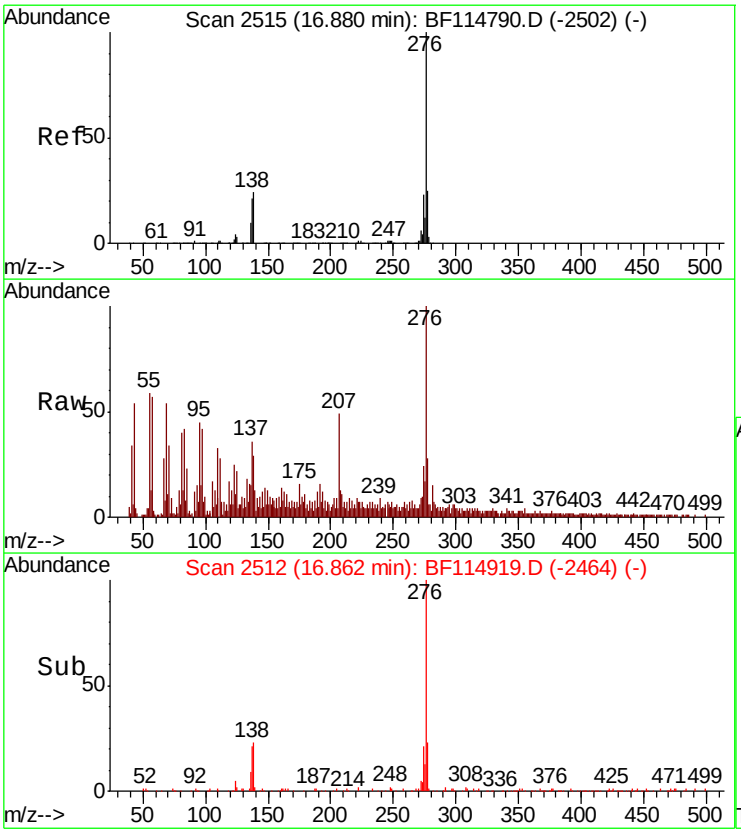

#90
Benzo(a)pyrene
Concen: 6.603 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

**Instrument :**
BNA_F
**ClientSampleId :**
EO-02-060619-B

Tgt Ion:252 Resp: 150058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.6 | 18.5 | 27.7 |
| 125 | 19.0 | 10.1 | 15.1# |




#92
Benzo(g,h,i)perylene
Concen: 4.360 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.02 min
Lab File: BF114919.D
Acq: 8 Jun 2019 4:31

Tgt Ion:276 Resp: 94364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.0 | 19.8 | 29.6 |
| 138 | 29.0 | 19.4 | 29.2 |