Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120786.D
Acq On : 7 Jul 2020 14:40
Operator : JU/CG
Sample : L3215-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** MW-14

Quant Time: Jul 07 16:24:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 158761 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.15 | 136 | 340001 | 20.00 | ng | | 0.01 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 317134 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 577498 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 454068 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.47 | 264 | 387082 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 583138 | 56.70 | ng | | 0.00 |
| 7) Phenol-d6 | 6.46 | 99 | 428828 | 32.65 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 824460 | 140.49 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.67 | 330 | 457609 | 143.63 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.21 | 172 | 1696525 | 80.94 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 2001614 | 86.31 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 8.20 | 128 | 10385793 | 571.574 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 2901224 | 245.616 | ng | | 96 |
| 38) 1-Methylnaphthalene | 8.97 | 142 | 3469572 | 313.582 | ng | # | 97 |
| 46) 1,1'-Biphenyl | 9.31 | 154 | 743315 | 29.057 | ng | | 99 |
| 49) Acenaphthylene | 9.75 | 152 | 100862 | 3.139 | ng | # | 37 |
| 50) Dimethylphthalate | 9.60 | 163 | 172333 | 7.449 | ng | | 99 |
| 52) Acenaphthene | 9.93 | 154 | 1571912 | 78.861 | ng | | 98 |
| 58) Fluorene | 10.43 | 166 | 774991 | 36.238 | ng | | 99 |
| 71) Phenanthrene | 11.40 | 178 | 1582654 | 50.509 | ng | | 98 |
| 72) Anthracene | 11.45 | 178 | 373986 | 11.811 | ng | | 99 |
| 75) Fluoranthene | 12.58 | 202 | 135612 | 4.063 | ng | | 98 |
| 78) Pyrene | 12.80 | 202 | 282495 | 7.790 | ng | | 97 |

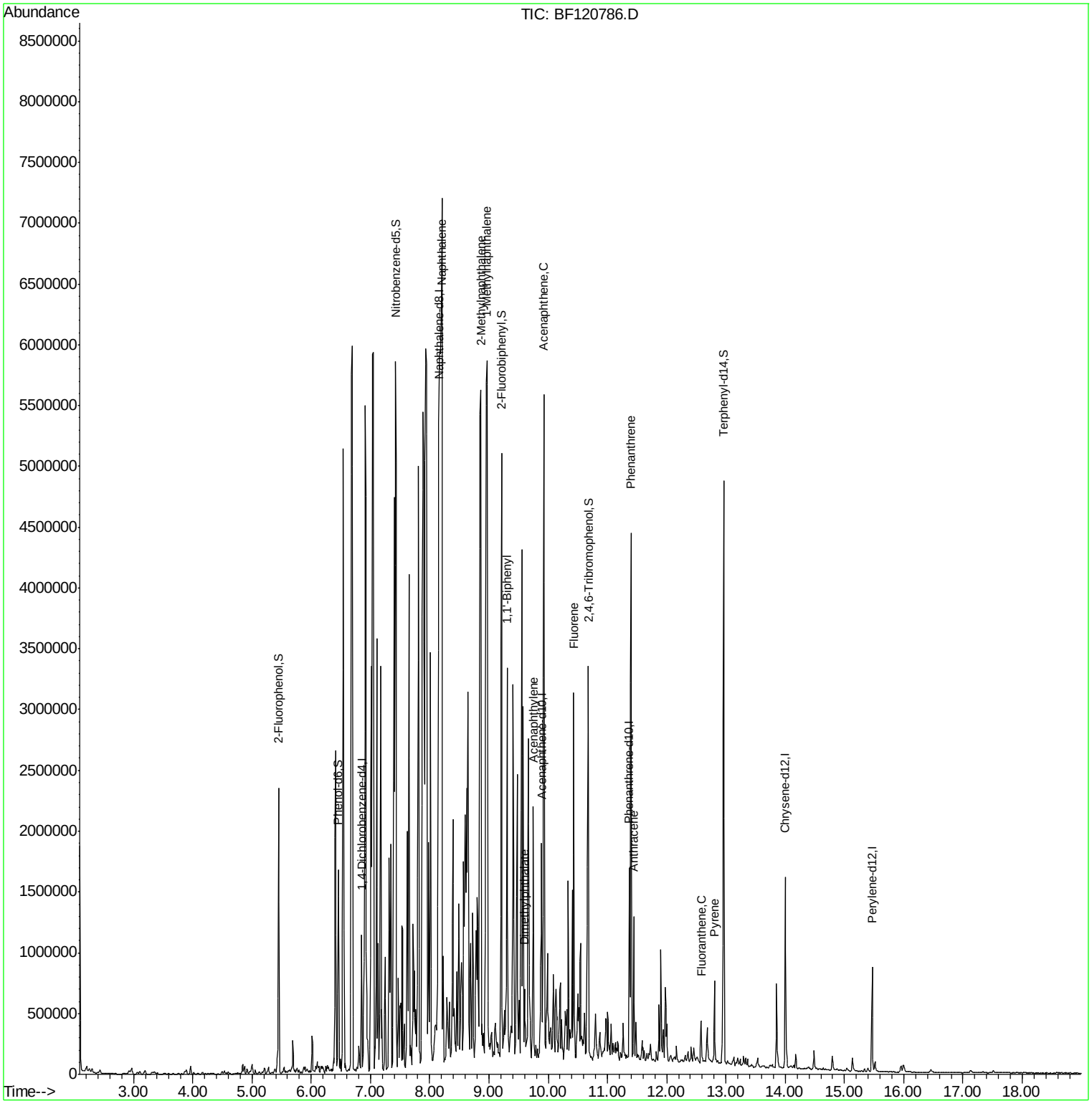
(#) = qualifier out of range (m) = manual integration (+) = signals summed

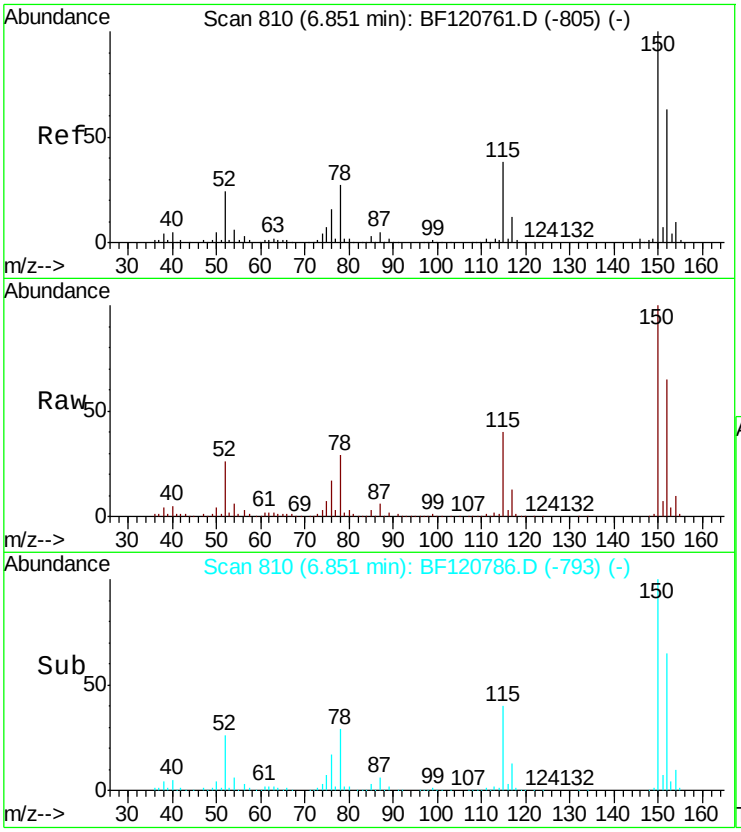
Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
Data File : BF120786.D
Acq On : 7 Jul 2020 14:40
Operator : JU/CG
Sample : L3215-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Quant Time: Jul 07 16:24:42 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration



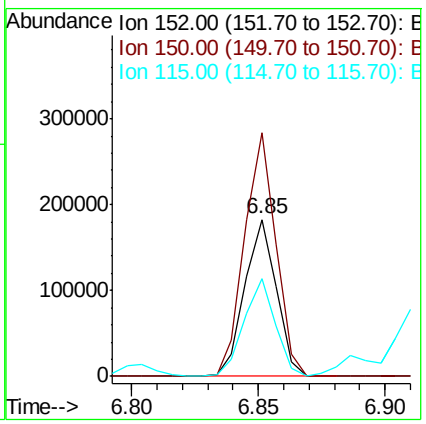


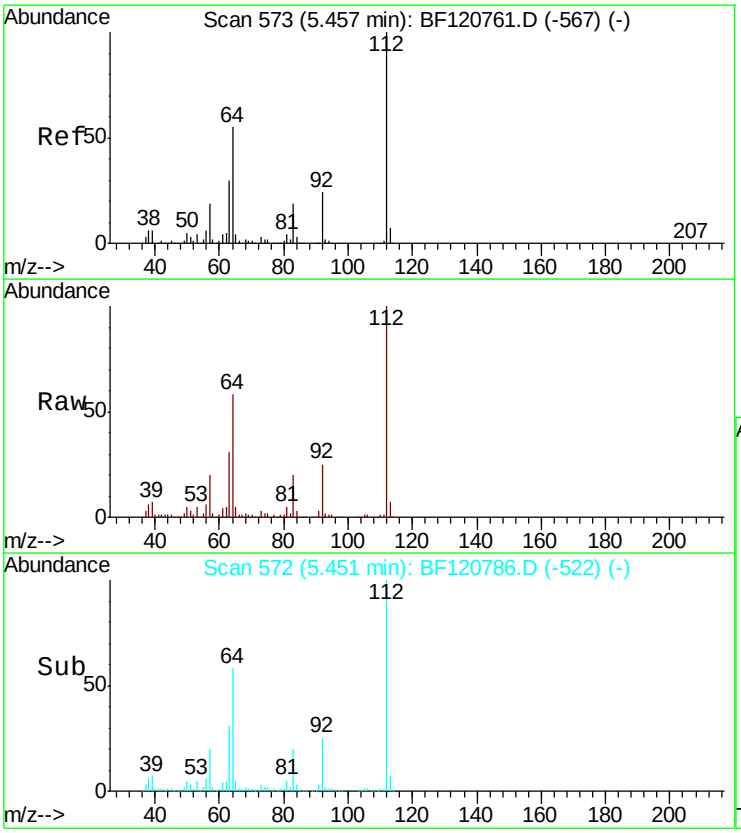

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:152 Resp: 158761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.9 | 126.1 | 189.1 |
| 115 | 61.8 | 48.5 | 72.7 |

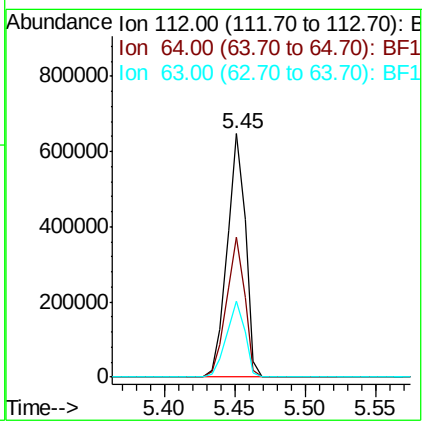


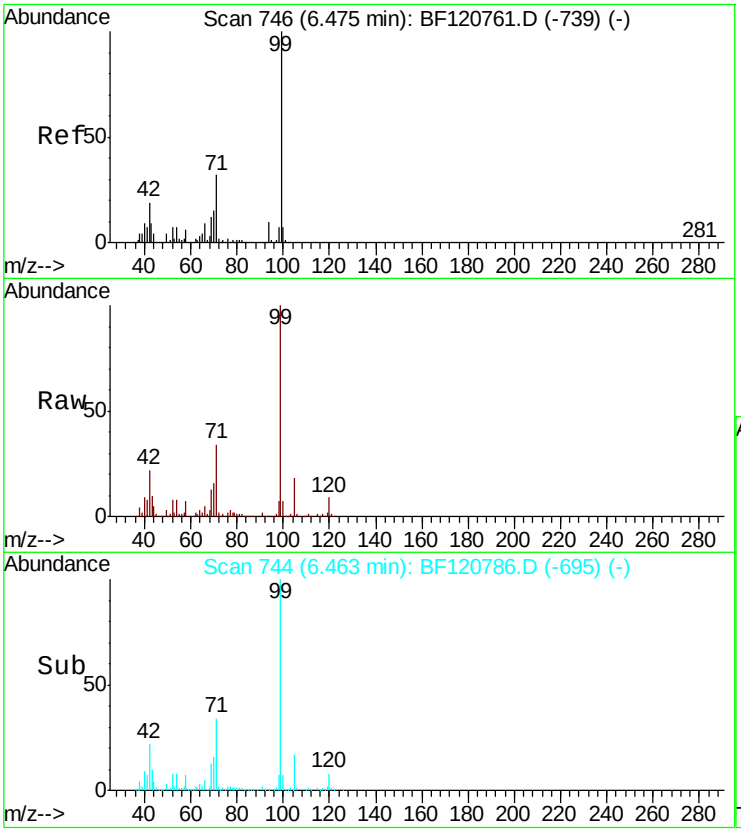




#5
2-Fluorophenol
Concen: 56.699 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:112 Resp: 583138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.7 | 43.8 | 65.6 |
| 63 | 31.0 | 23.6 | 35.4 |



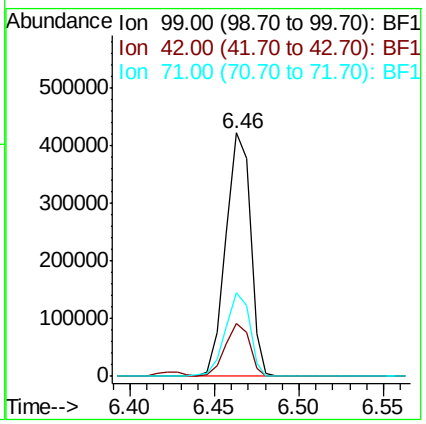


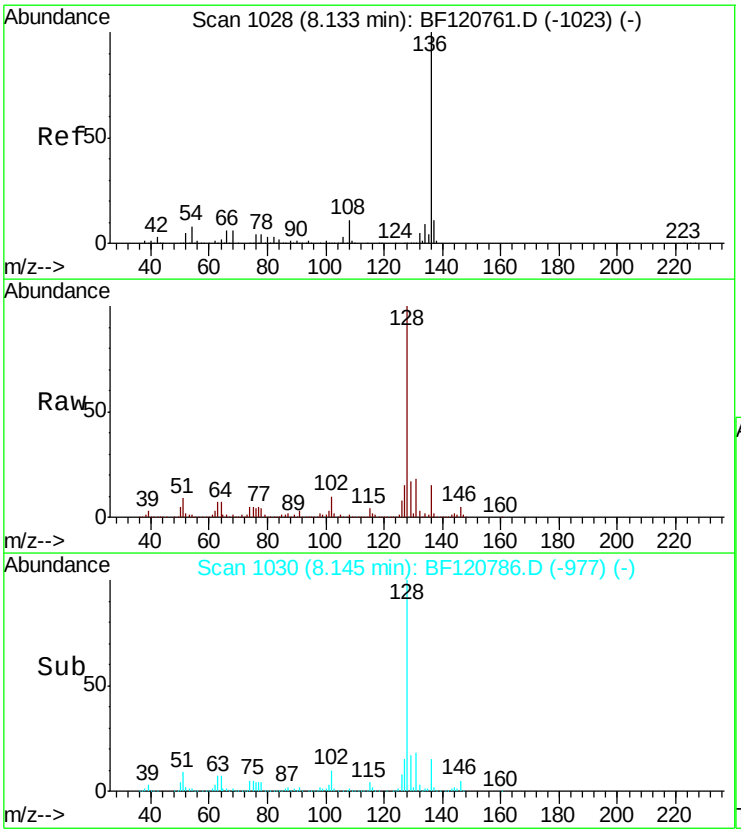

#7
Phenol-d6
Concen: 32.650 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion: 99 Resp: 428828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 21.8 | 15.4 | 23.0 |
| 71 | 34.5 | 25.9 | 38.9 |

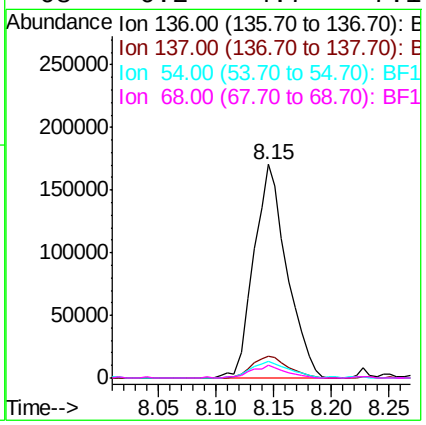


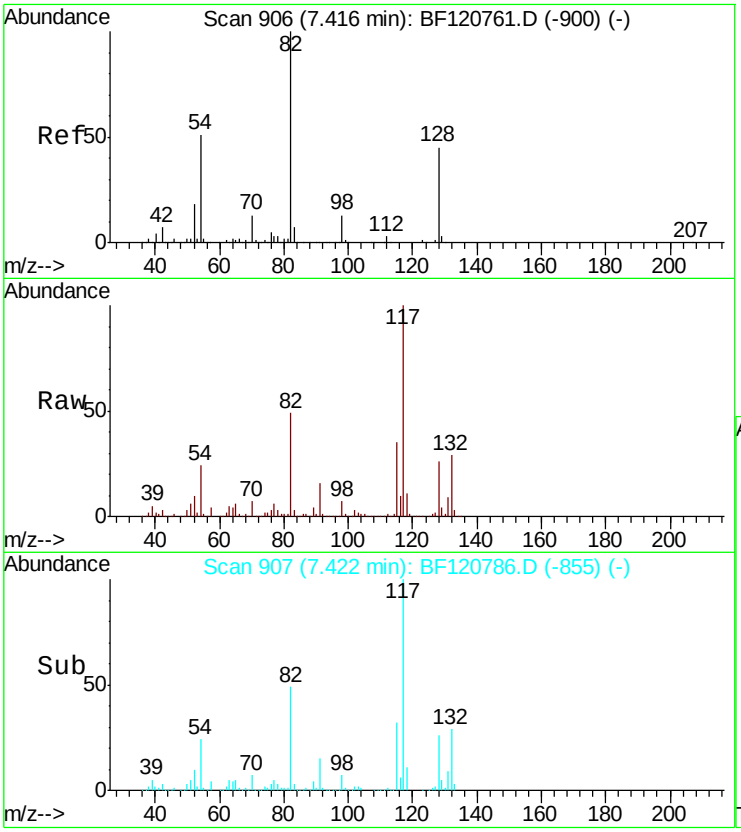




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. 0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:136 Resp: 340001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 9.0 | 13.6 |
| 54 | 8.0 | 6.2 | 9.4 |
| 68 | 6.2 | 4.7 | 7.1 |



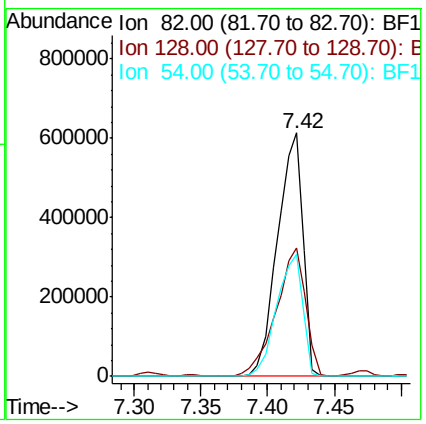


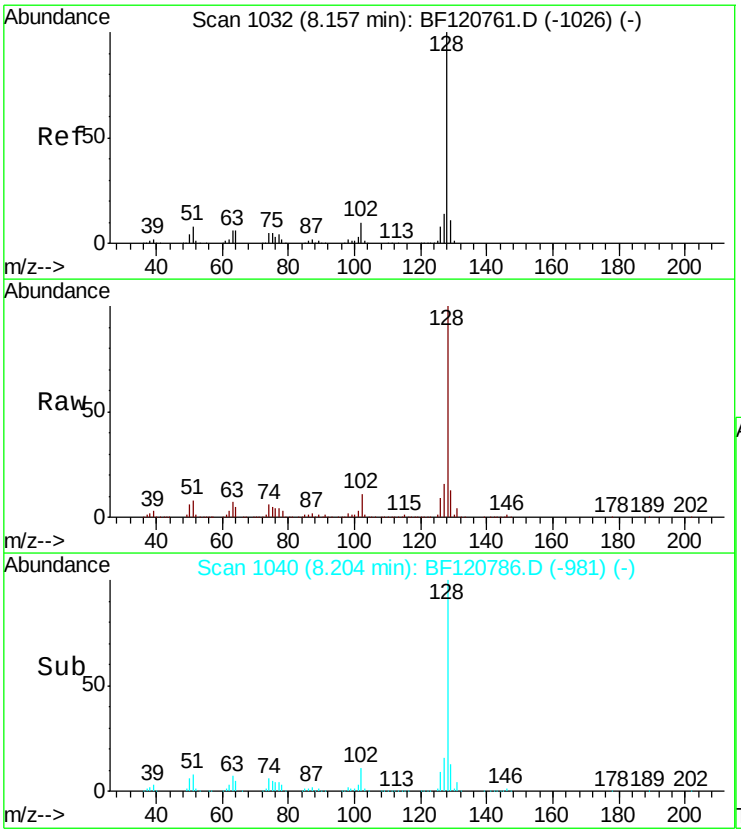

#23
Nitrobenzene-d5
Concen: 140.492 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion: 82 Resp: 824460

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 52.6 | 35.7 | 53.5 |
| 54 | 49.9 | 40.9 | 61.3 |

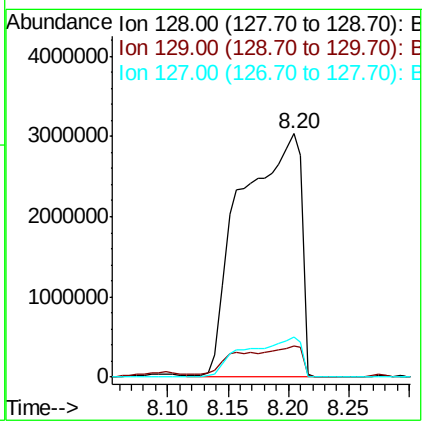


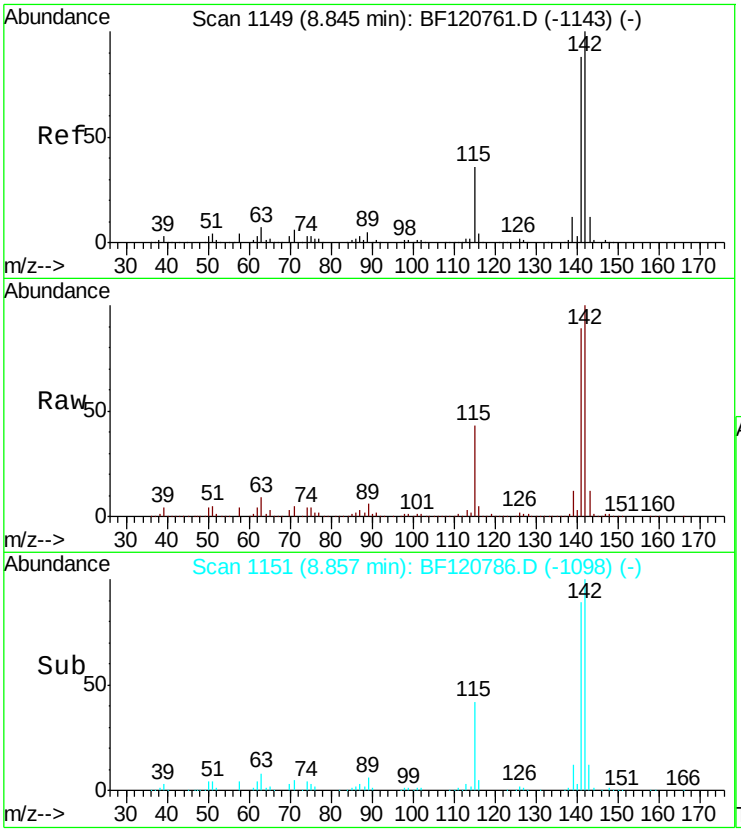




#31
Naphthalene
Concen: 571.574 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.05 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:128 Resp:10385793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.8 | 9.2 | 13.8 |
| 127 | 16.5 | 11.1 | 16.7 |



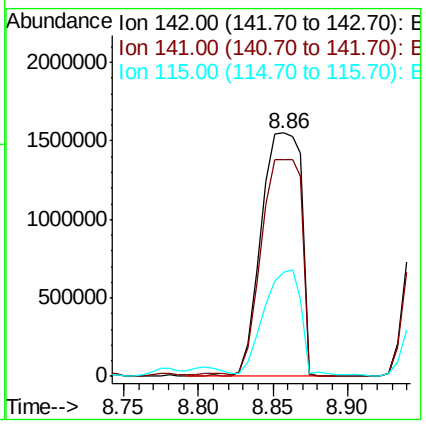


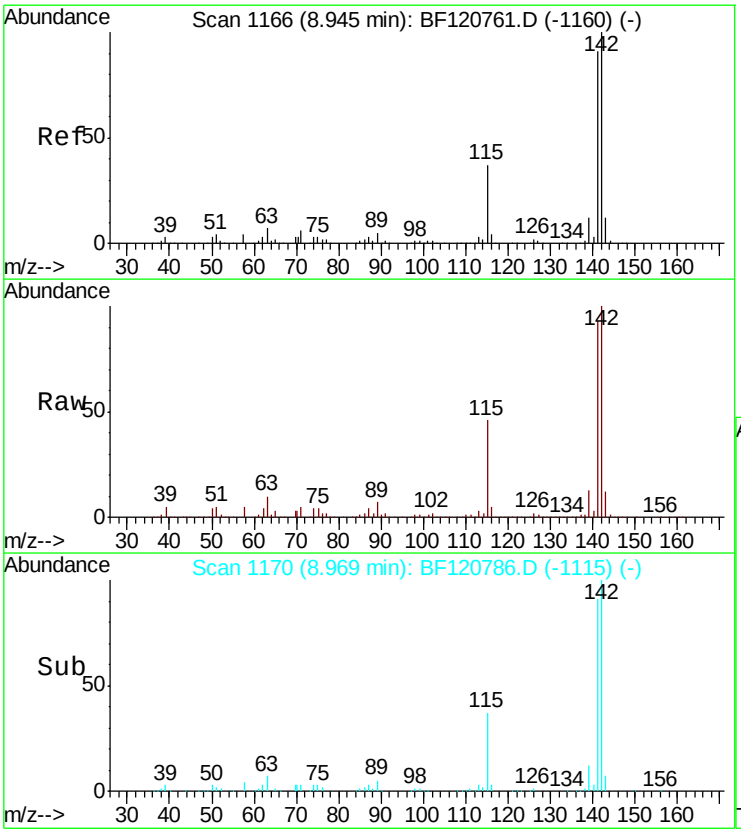

#37
2-Methylnaphthalene
Concen: 245.616 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:142 Resp: 2901224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 70.2 | 105.4 |
| 115 | 43.0 | 29.0 | 43.4 |

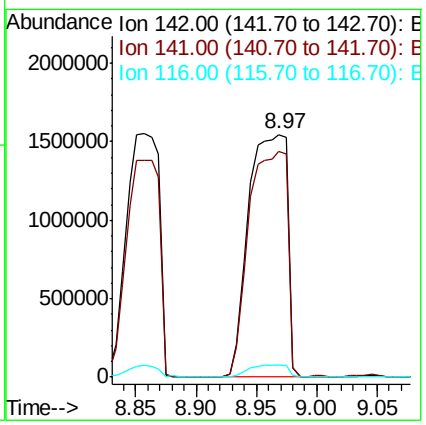


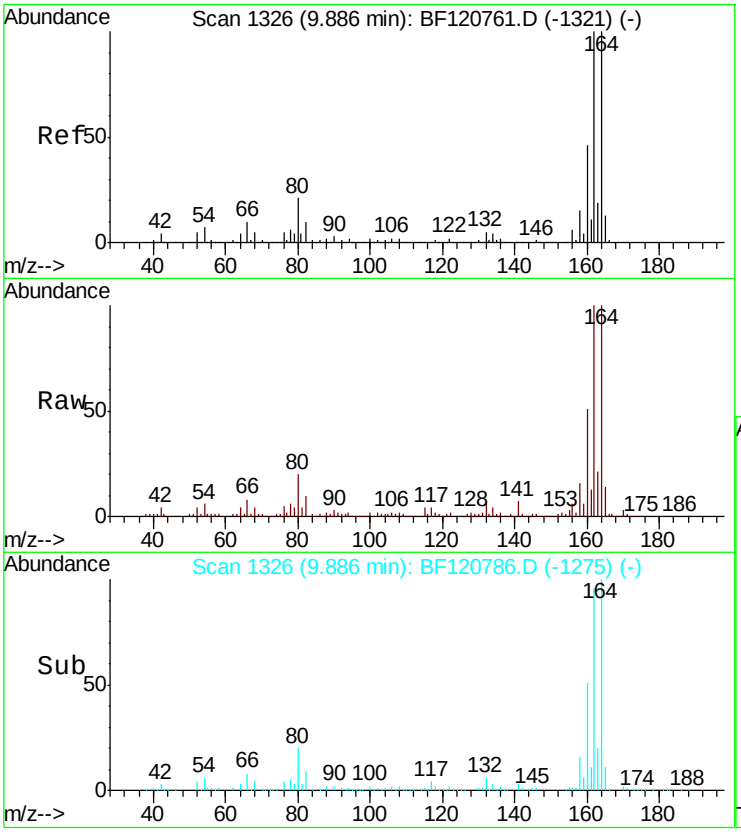




#38
1-Methylnaphthalene
Concen: 313.582 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:142 Resp: 3469572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.0 | 72.5 | 108.7 |
| 116 | 5.0 | 3.1 | 4.7# |



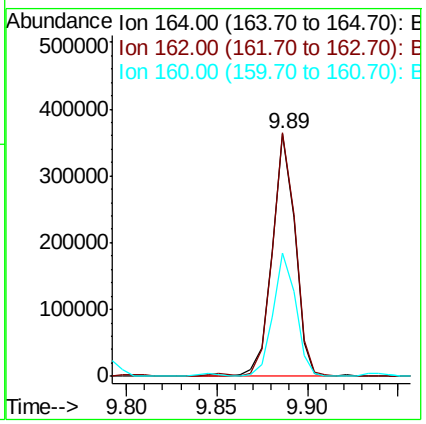


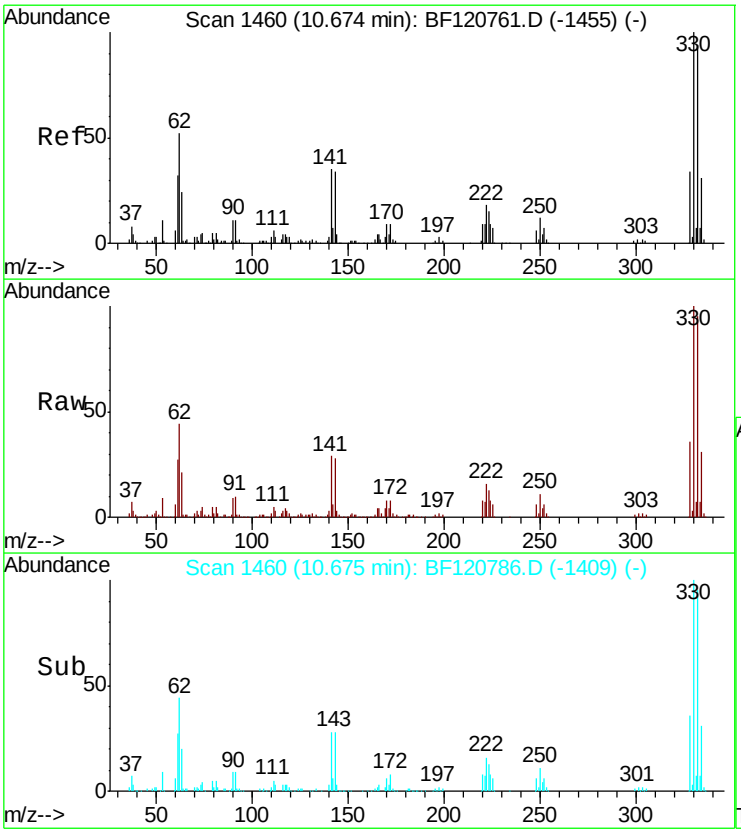

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:164 Resp: 317134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.3 | 80.2 | 120.2 |
| 160 | 51.0 | 36.9 | 55.3 |

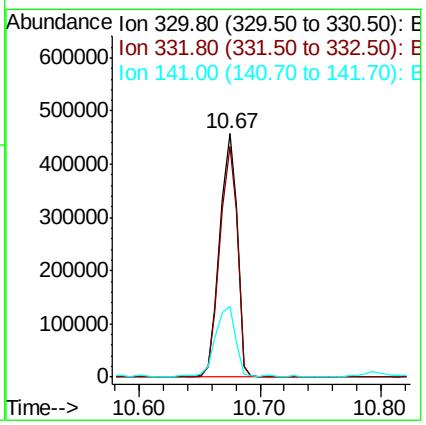


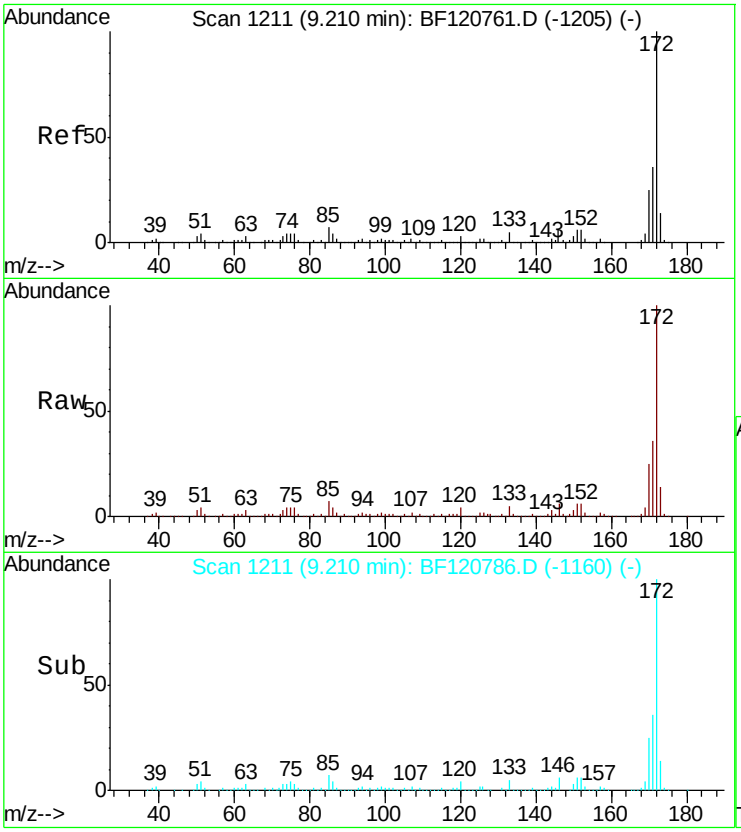




#42
2,4,6-Tribromophenol
Concen: 143.628 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:330 Resp: 457609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.2 | 75.8 | 113.6 |
| 141 | 32.2 | 29.7 | 44.5 |



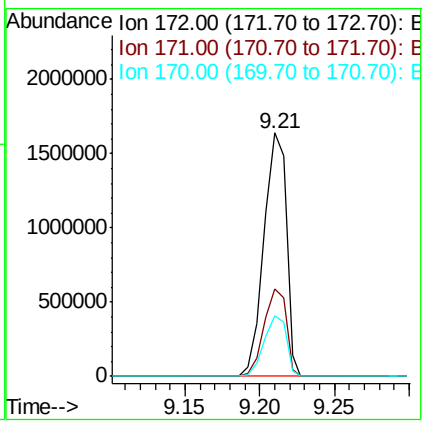


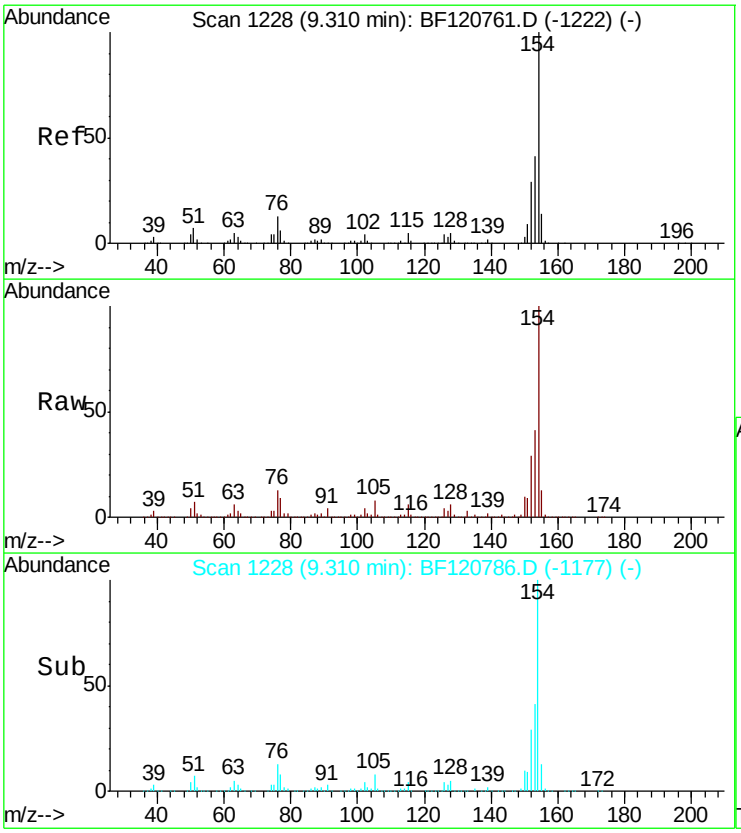

#45
2-Fluorobiphenyl
Concen: 80.936 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:172 Resp: 1696525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 29.1 | 43.7 |
| 170 | 24.8 | 19.8 | 29.6 |

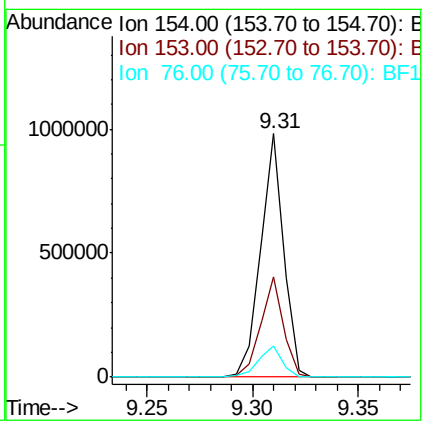


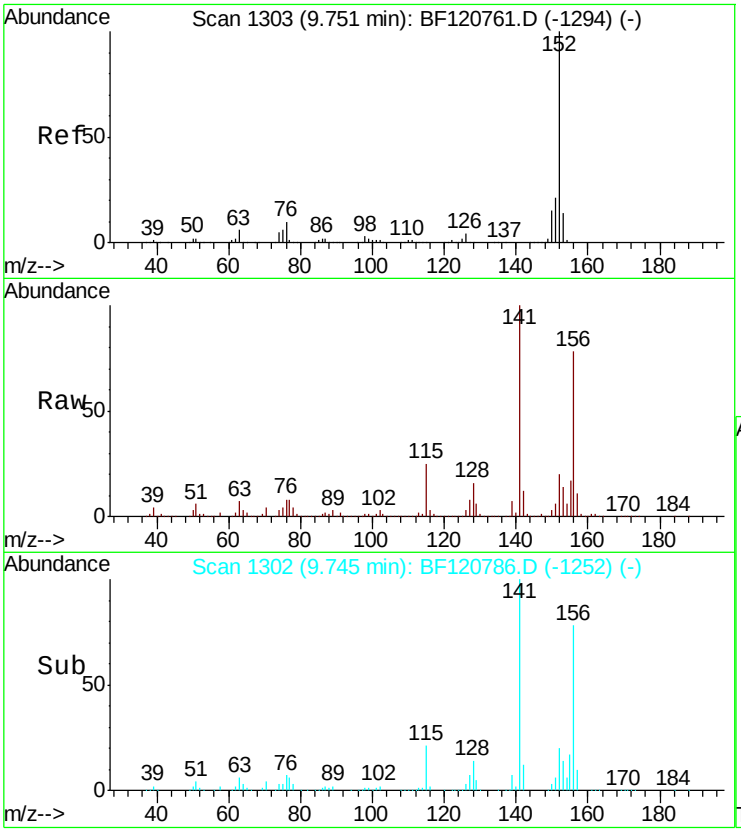




#46
1,1'-Biphenyl
Concen: 29.057 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:154 Resp: 743315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.9 | 20.7 | 60.7 |
| 76 | 12.8 | 0.0 | 33.3 |



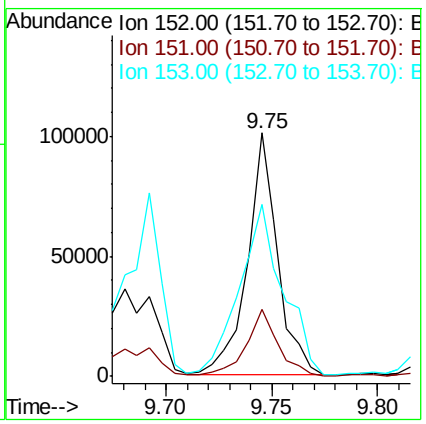


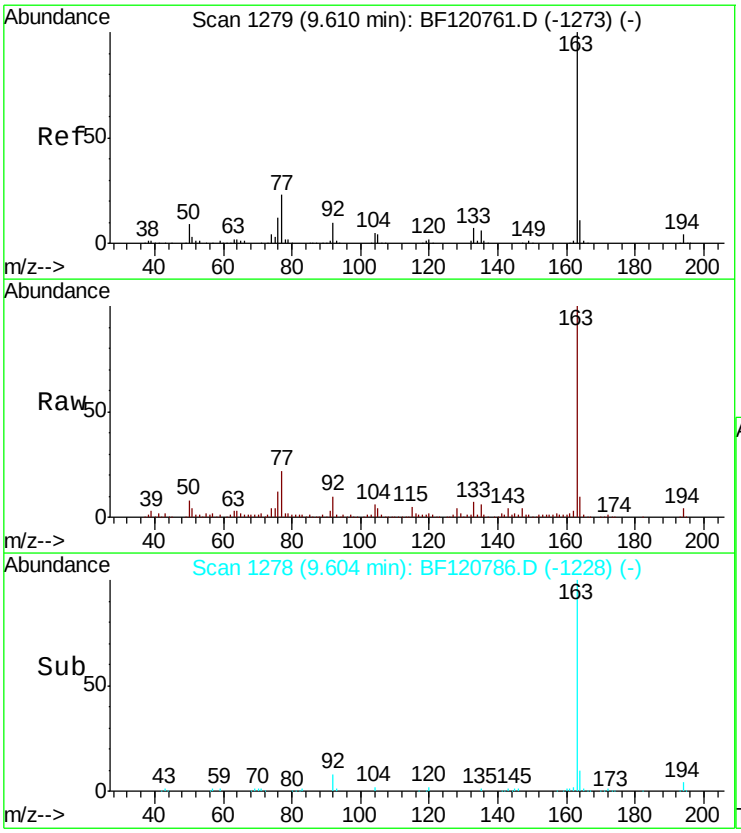

#49
Acenaphthylene
Concen: 3.139 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:152 Resp: 100862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 27.3 | 16.9 | 25.3# |
| 153 | 70.6 | 10.8 | 16.2# |

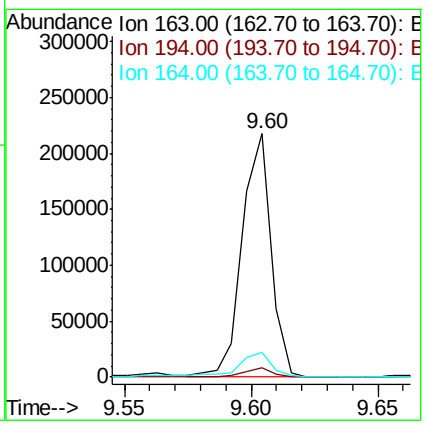


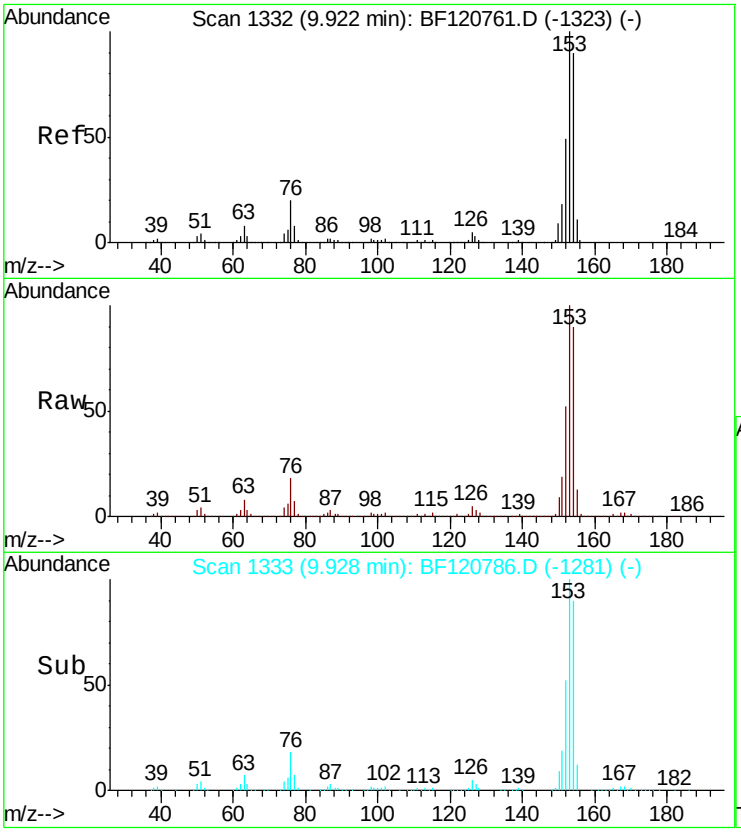




#50
Dimethylphthalate
Concen: 7.449 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:163 Resp: 172333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 2.9 | 4.3 |
| 164 | 10.1 | 8.5 | 12.7 |



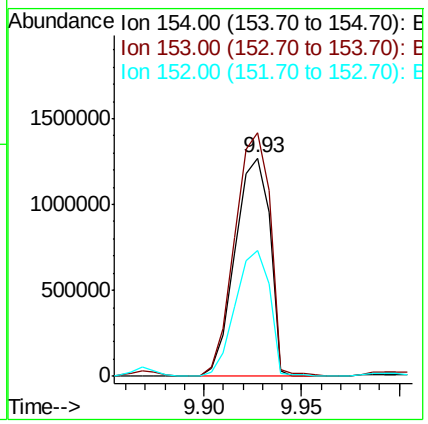


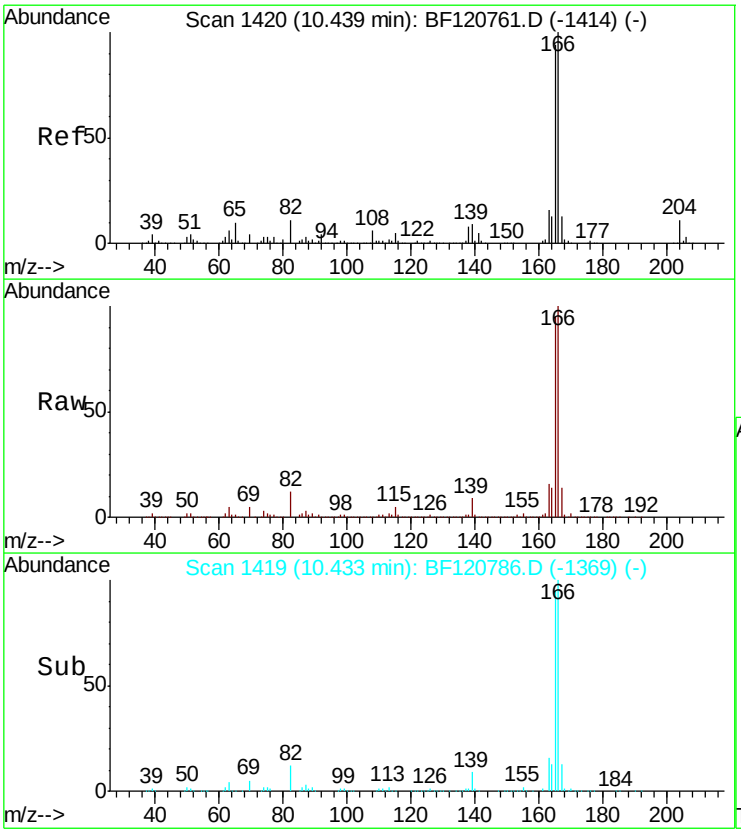

#52
Acenaphthene
Concen: 78.861 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:154 Resp: 1571912

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 111.6 | 88.6 | 132.8 |
| 152 | 57.6 | 43.6 | 65.4 |

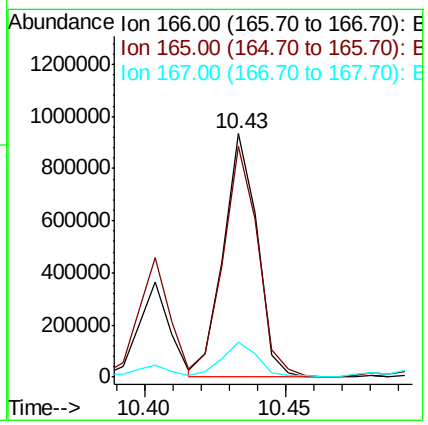


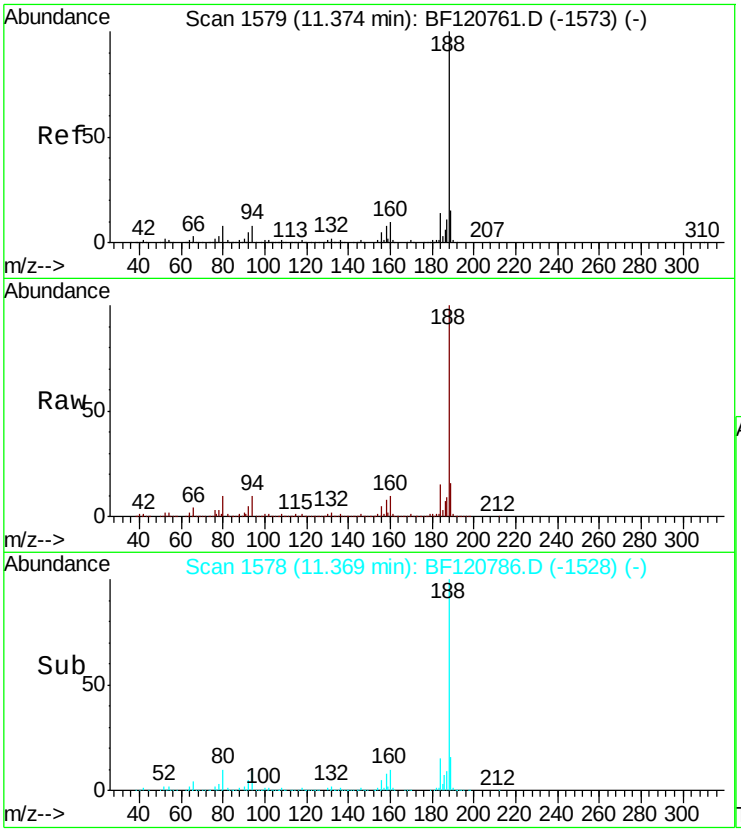




#58
Fluorene
Concen: 36.238 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:166 Resp: 774991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.1 | 75.5 | 113.3 |
| 167 | 14.2 | 10.6 | 16.0 |



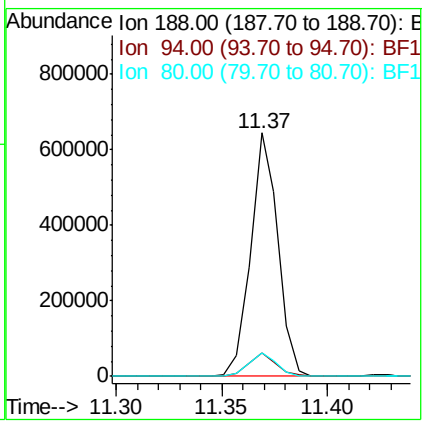


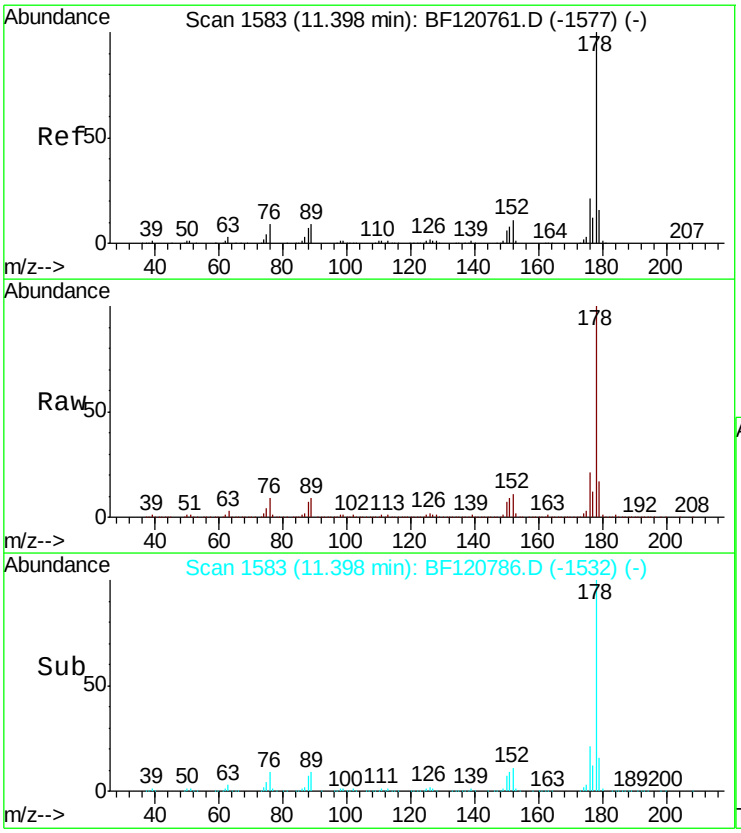

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:188 Resp: 577498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.6 | 6.6 | 9.8 |
| 80 | 9.8 | 6.6 | 10.0 |

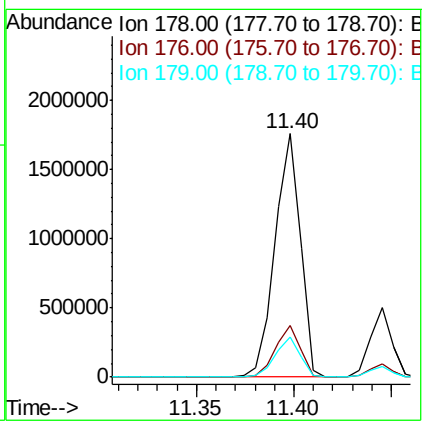


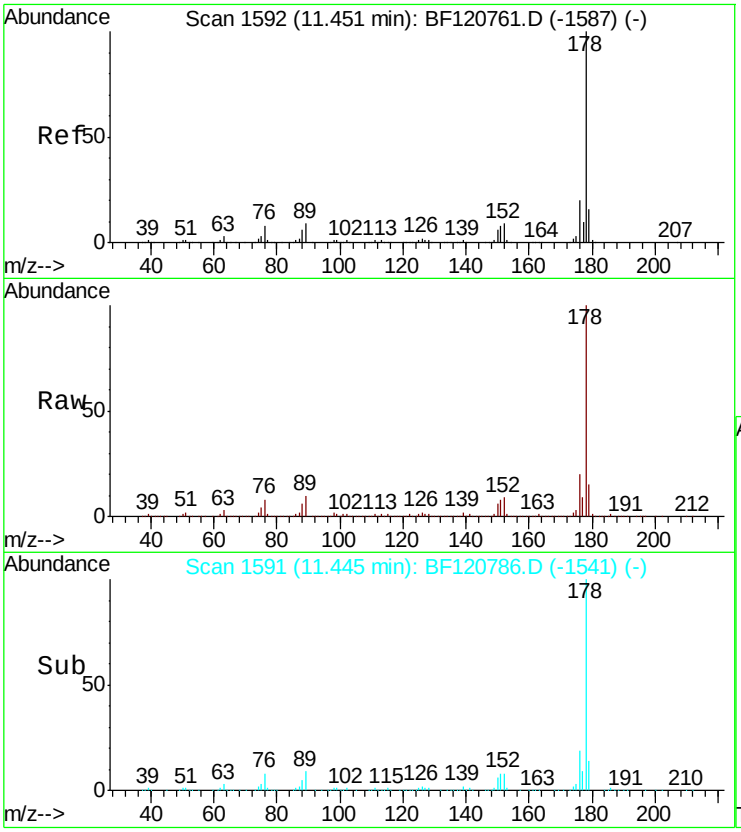




#71
Phenanthrene
Concen: 50.509 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:178 Resp: 1582654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.3 | 16.4 | 24.6 |
| 179 | 16.6 | 12.9 | 19.3 |



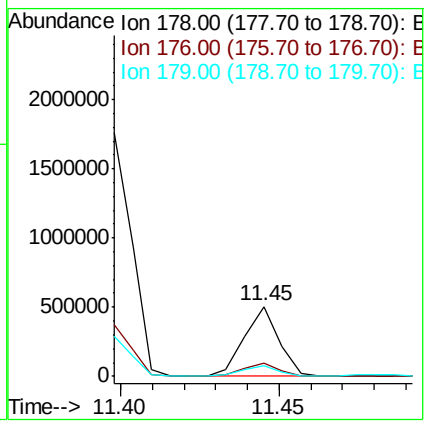


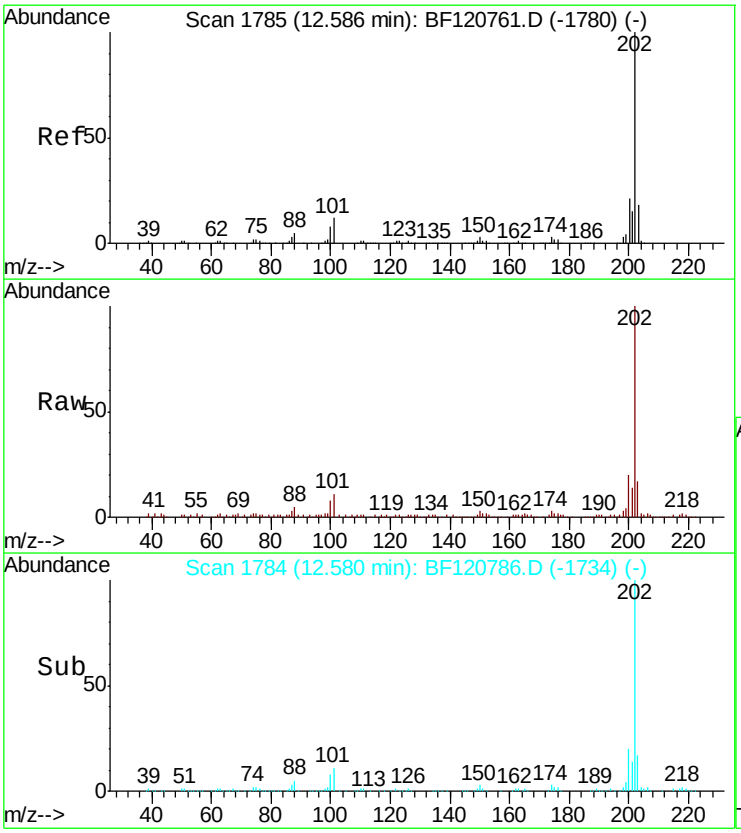

#72
Anthracene
Concen: 11.811 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:178 Resp: 373986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 16.2 | 24.2 |
| 179 | 15.5 | 12.7 | 19.1 |

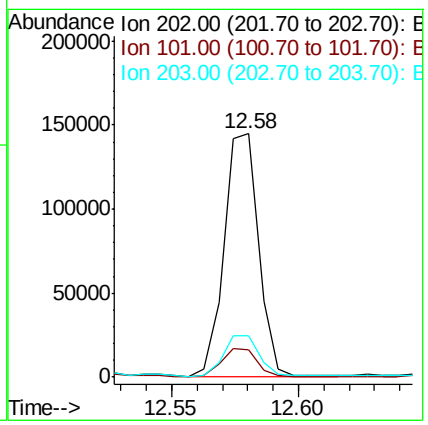


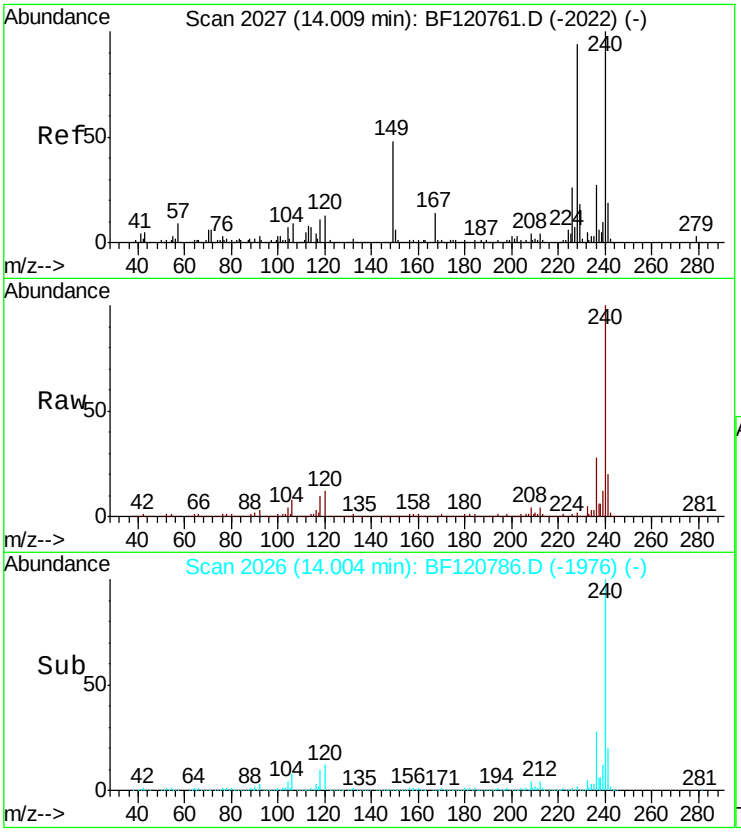




#75
Fluoranthene
Concen: 4.063 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:202 Resp: 135612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.1 | 0.0 | 31.6 |
| 203 | 17.2 | 0.0 | 38.2 |



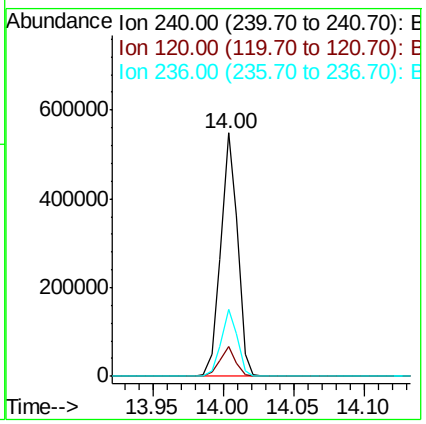


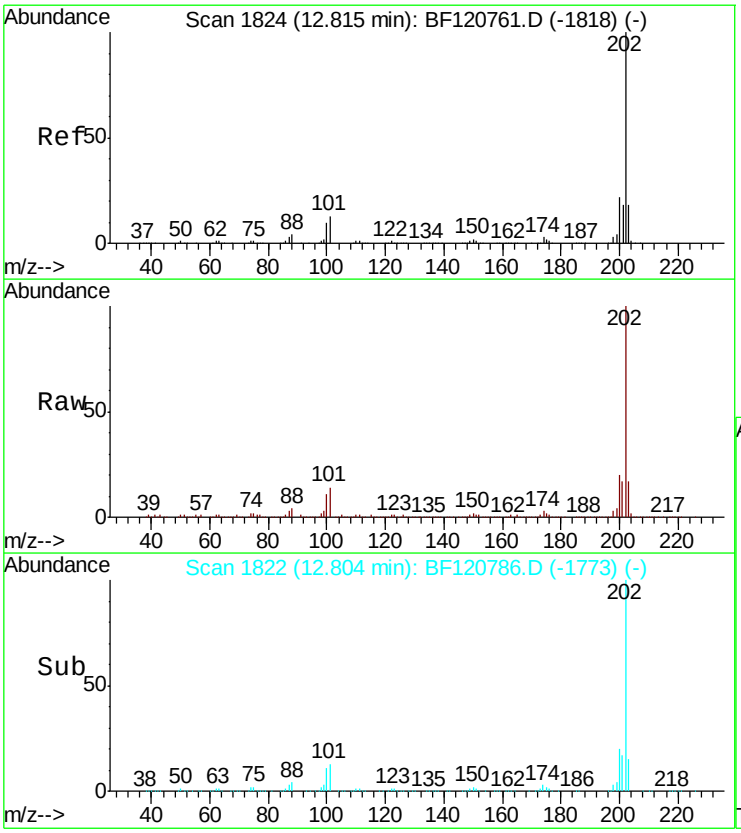

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:240 Resp: 454068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.1 | 10.3 | 15.5 |
| 236 | 27.7 | 21.4 | 32.2 |

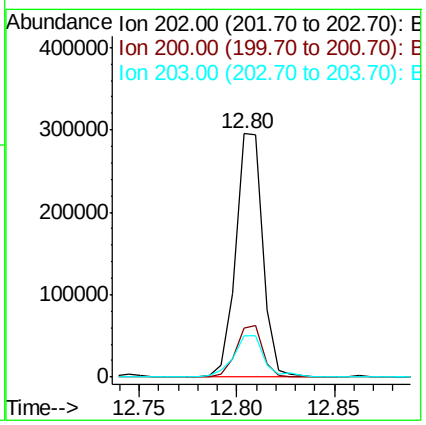


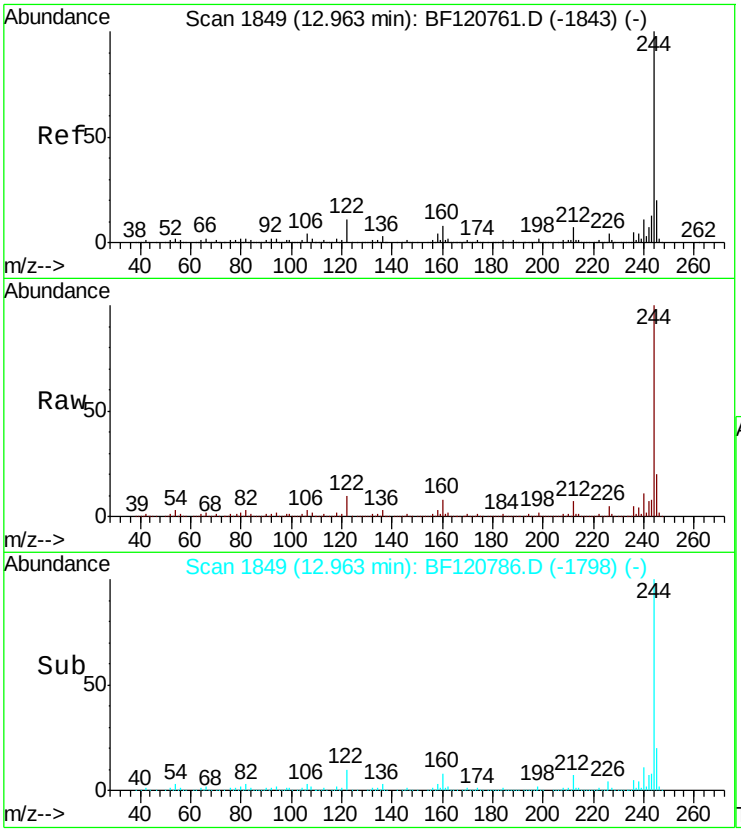




#78
Pyrene
Concen: 7.790 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:202 Resp: 282495

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 17.3 | 25.9 |
| 203 | 17.0 | 14.6 | 22.0 |



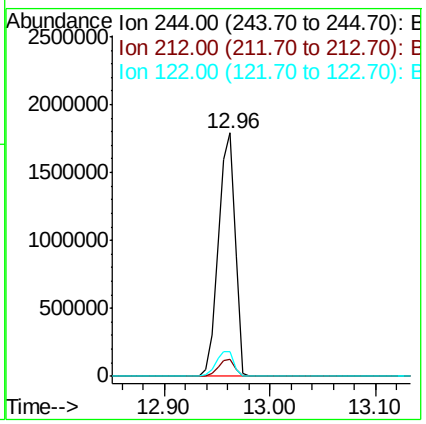


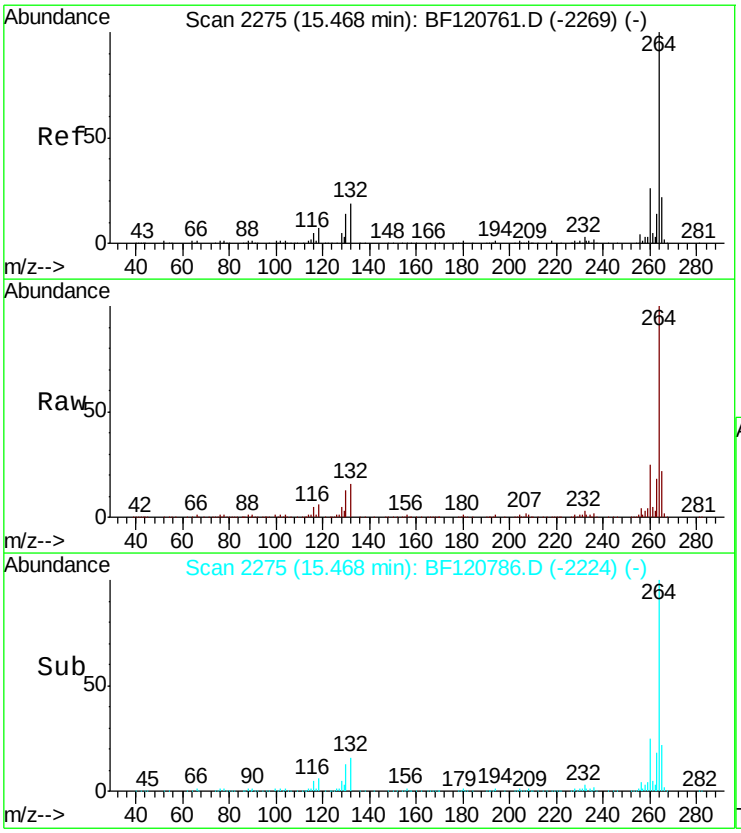

#79
Terphenyl-d14
Concen: 86.307 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

**Instrument :**
BNA_F
**ClientSampleId :**
MW-14

Tgt Ion:244 Resp: 2001614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 5.6 | 8.4 |
| 122 | 10.1 | 9.0 | 13.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF120786.D
Acq: 7 Jul 2020 14:40

Tgt Ion:264 Resp: 387082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 20.6 | 30.8 |
| 265 | 21.7 | 17.6 | 26.4 |