Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070224\
Data File : BF138427.D
Acq On : 02 Jul 2024 14:17
Operator : CG\JU
Sample : P3073-03DL 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Quant Time: Jul 02 15:01:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.875 | 152 | 150068 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.157 | 136 | 576326 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.910 | 164 | 284262 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.392 | 188 | 429447 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.027 | 240 | 272923 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.498 | 264 | 268682 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.498 | 112 | 30627 | 3.384 | ng | 0.00 |
| 7) Phenol-d6 | 6.504 | 99 | 25404 | 2.083 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.428 | 82 | 51639 | 4.655 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 10.692 | 330 | 14780 | 6.364 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.227 | 172 | 101502 | 5.683 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.974 | 244 | 84807 | 4.258 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 31) Naphthalene | 8.181 | 128 | 2308636 | 79.239 | ng | 99 |
| 37) 2-Methylnaphthalene | 8.863 | 142 | 311166 | 16.525 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.963 | 142 | 349569 | 19.143 | ng | 99 |
| 52) Acenaphthene | 9.939 | 154 | 70014 | 4.493 | ng | 94 |
| 71) Phenanthrene | 11.416 | 178 | 52795 | 2.518 | ng | 98 |

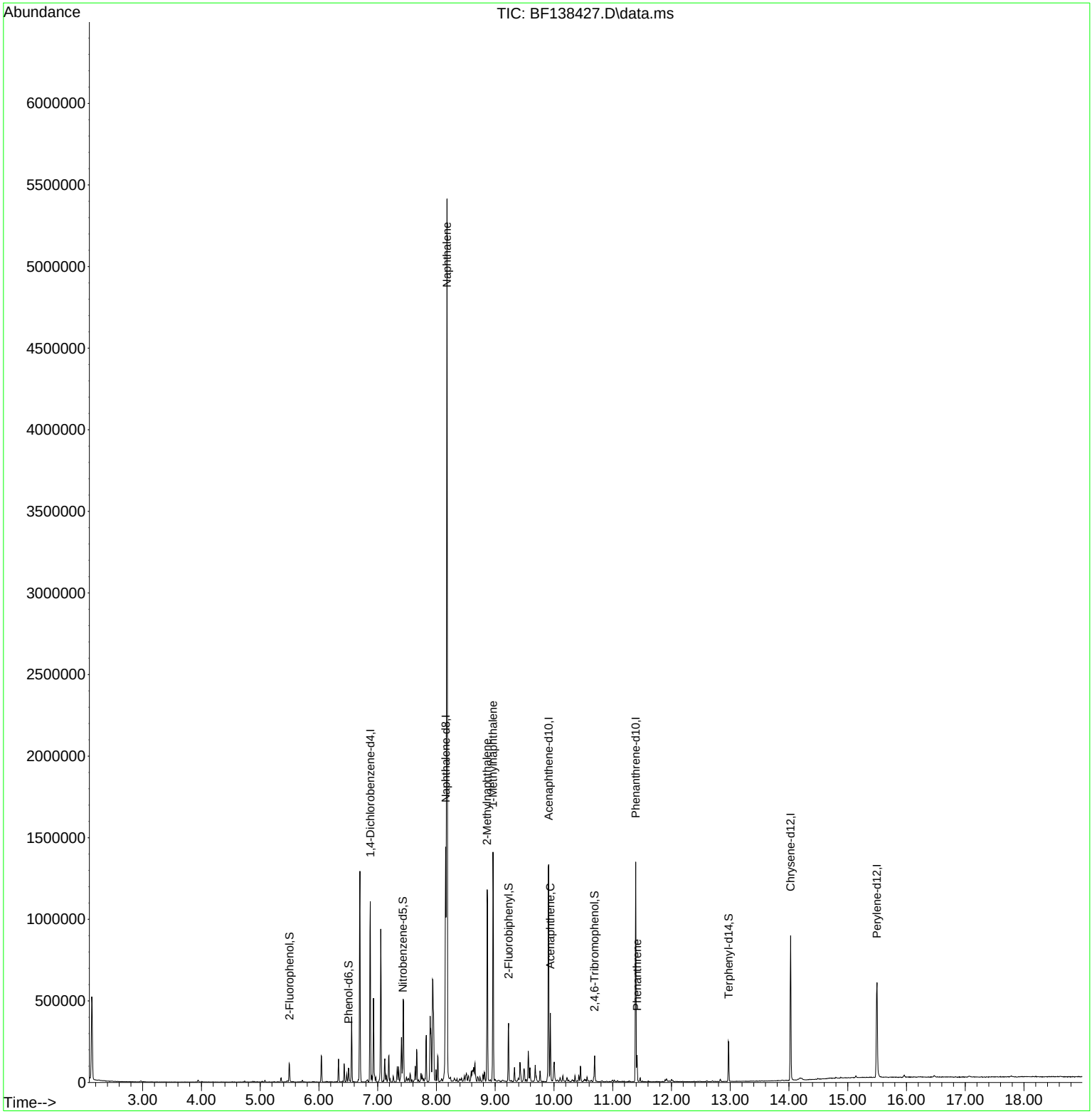
(#) = qualifier out of range (m) = manual integration (+) = signals summed

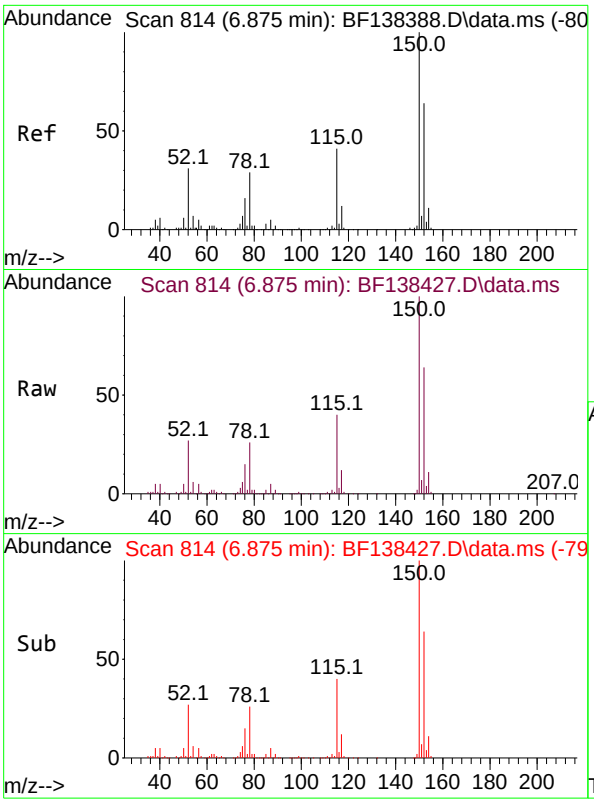
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070224\
Data File : BF138427.D
Acq On : 02 Jul 2024 14:17
Operator : CG\JU
Sample : P3073-03DL 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Quant Time: Jul 02 15:01:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 2024
Response via : Initial Calibration



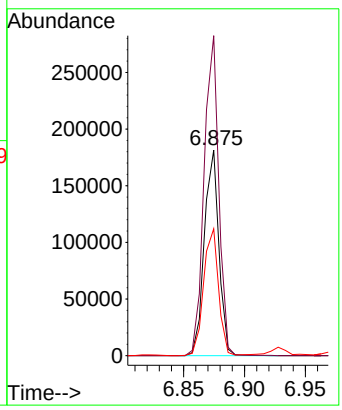


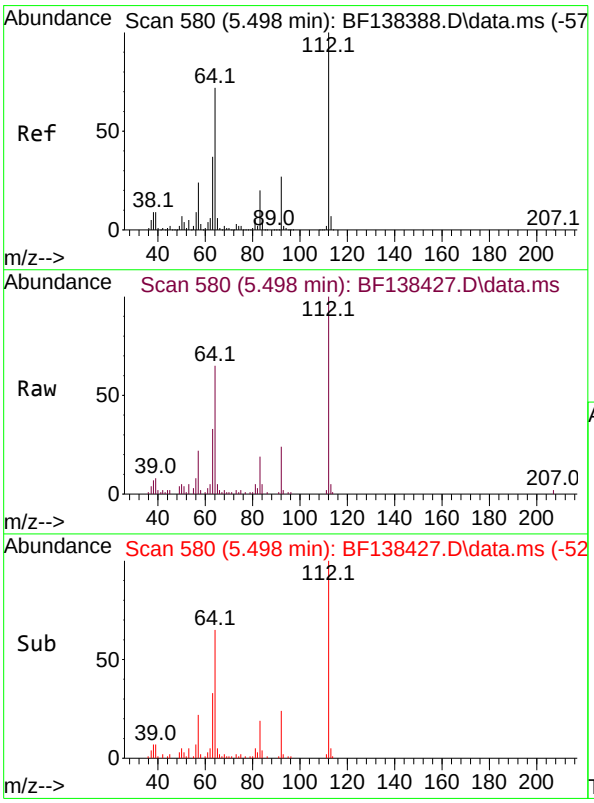

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:152 Resp: 150068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 124.9 | 187.3 |
| 115 | 61.7 | 50.8 | 76.2 |

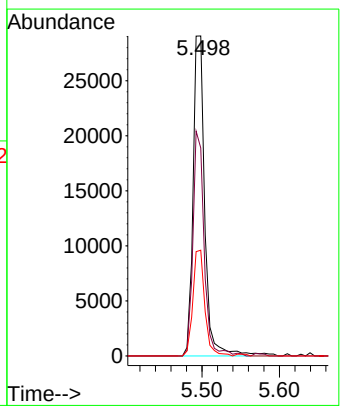


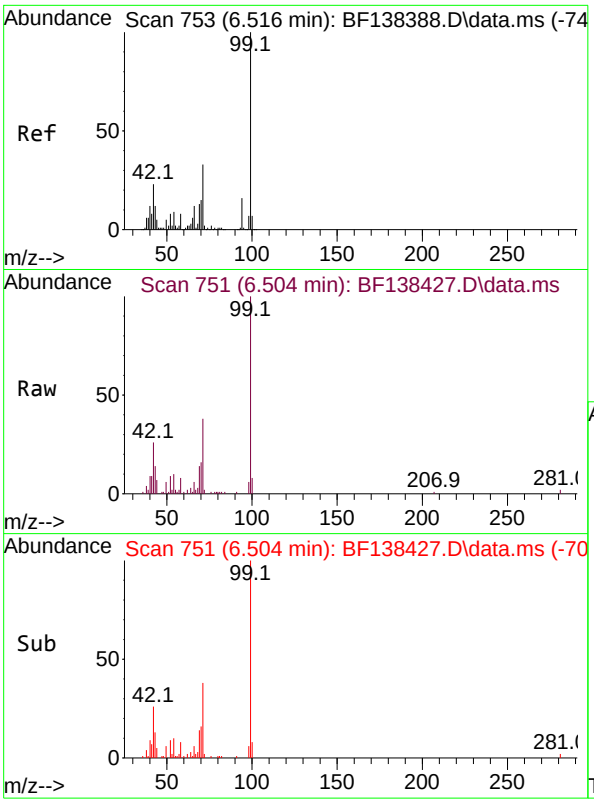




#5
2-Fluorophenol
Concen: 3.384 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:112 Resp: 30627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.0 | 57.2 | 85.8 |
| 63 | 33.1 | 29.4 | 44.0 |



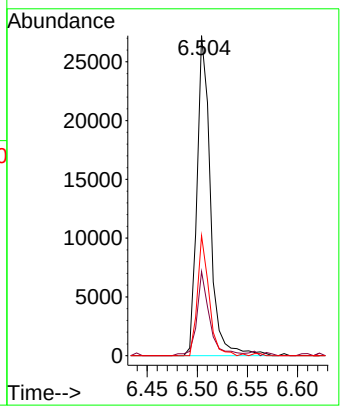


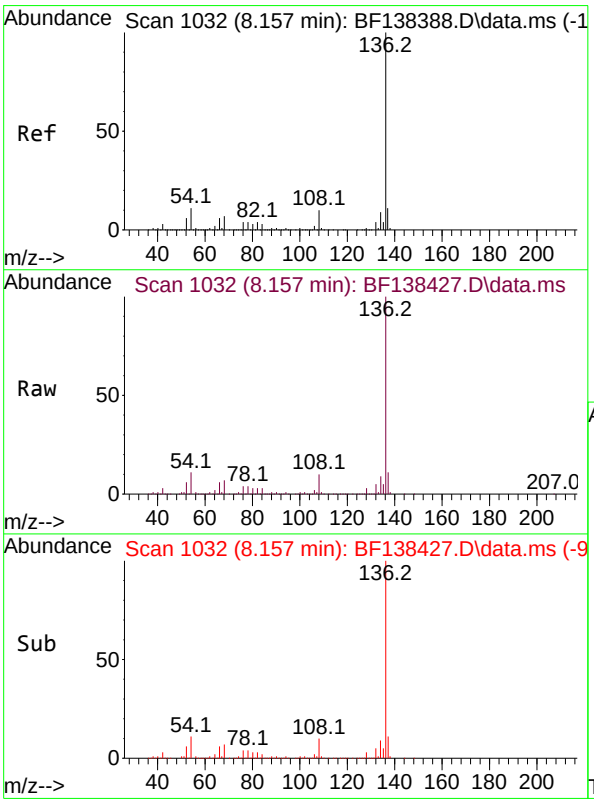

#7
Phenol-d6
Concen: 2.083 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion: 99 Resp: 25404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.3 | 18.5 | 27.7 |
| 71 | 37.5 | 26.1 | 39.1 |

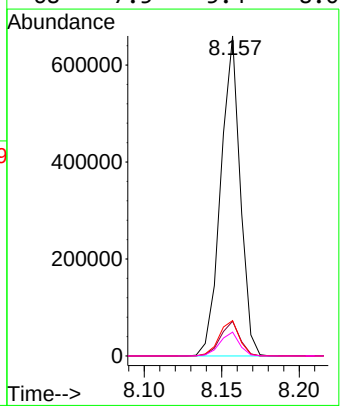


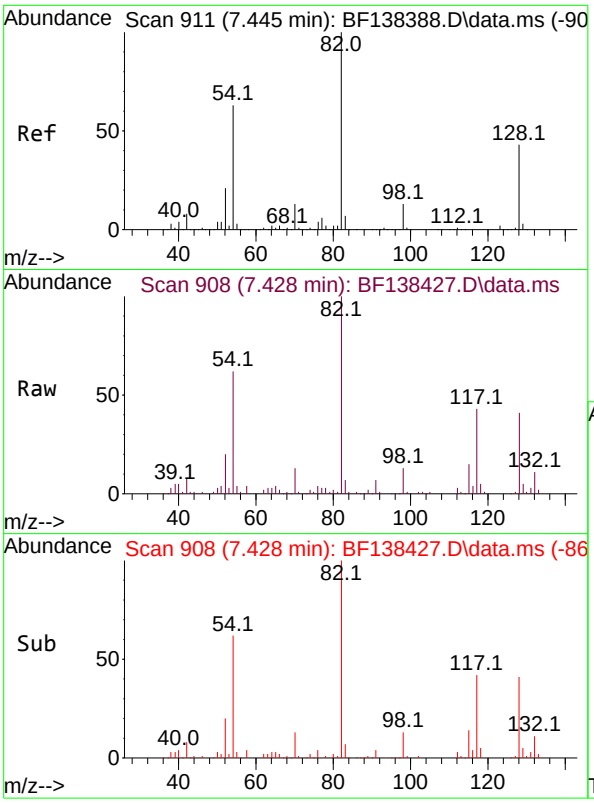




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:136 Resp: 576326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 11.1 | 9.0 | 13.4 |
| 68 | 7.5 | 5.4 | 8.0 |



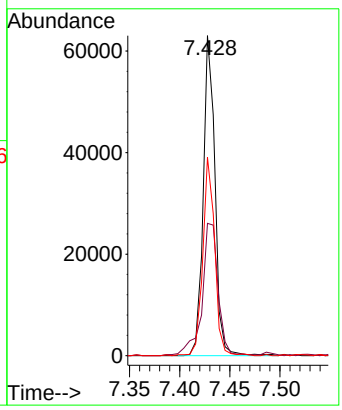


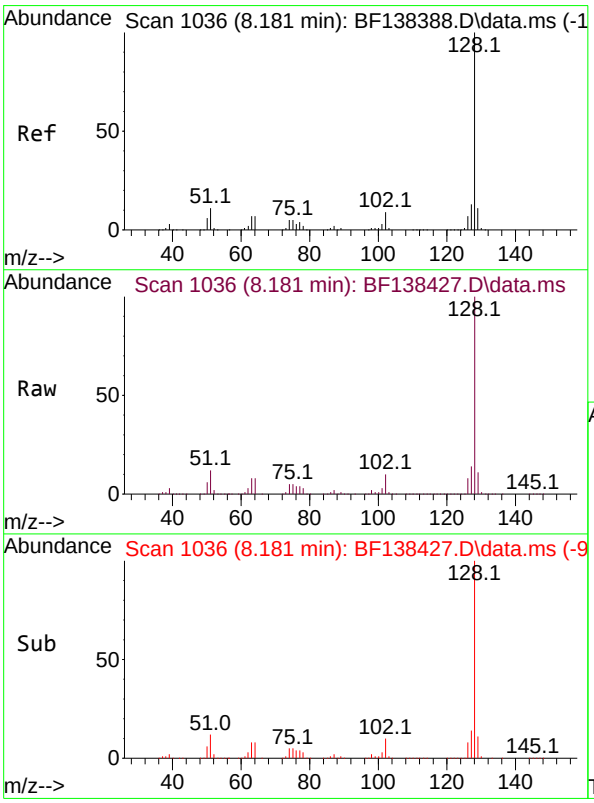

#23
Nitrobenzene-d5
Concen: 4.655 ng
RT: 7.428 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion: 82 Resp: 51639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.3 | 34.6 | 52.0 |
| 54 | 62.0 | 50.5 | 75.7 |

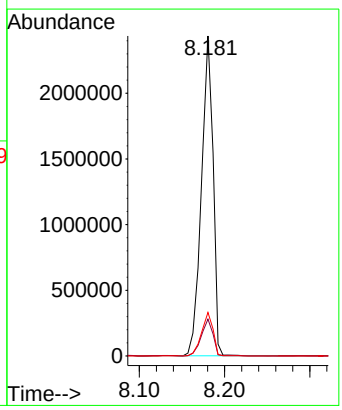


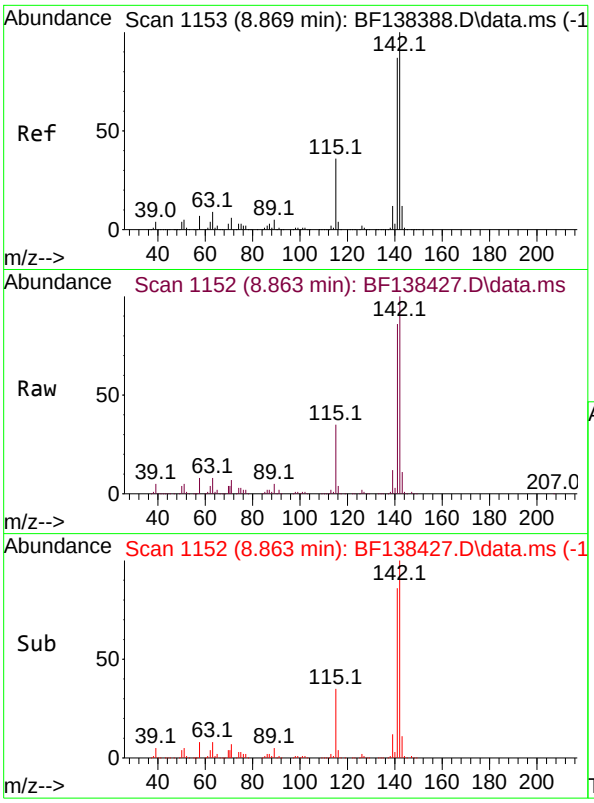




#31
Naphthalene
Concen: 79.239 ng
RT: 8.181 min Scan# 1036
Delta R.T. -0.000 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:128 Resp: 2308636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.0 | 13.6 |
| 127 | 13.6 | 10.6 | 16.0 |



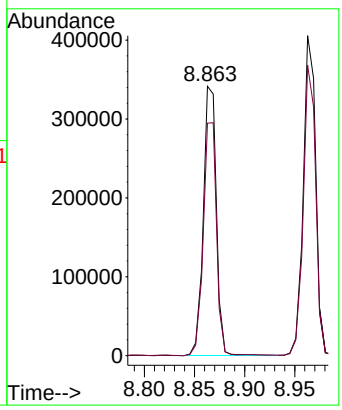


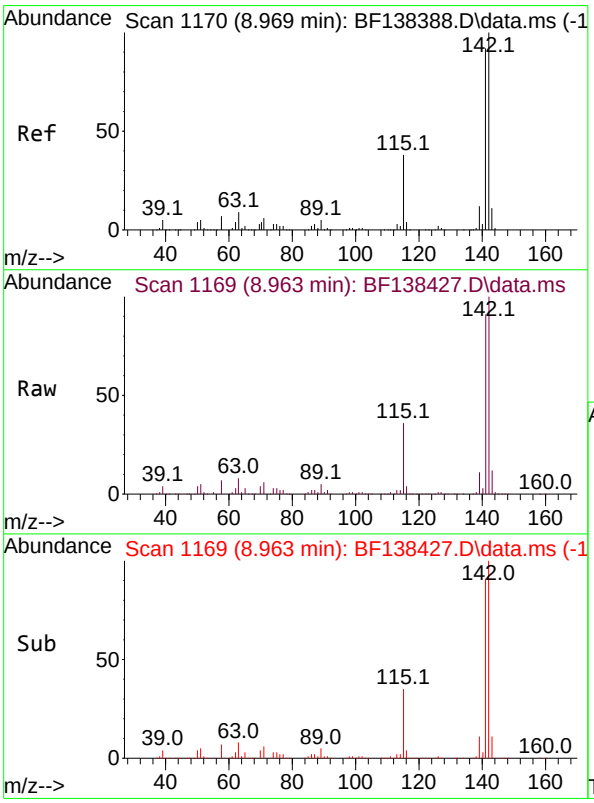

#37
2-Methylnaphthalene
Concen: 16.525 ng
RT: 8.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:142 Resp: 311166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.3 | 69.6 | 104.4 |

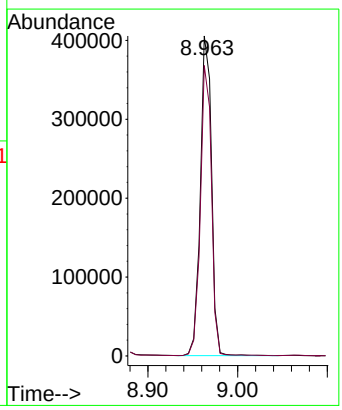


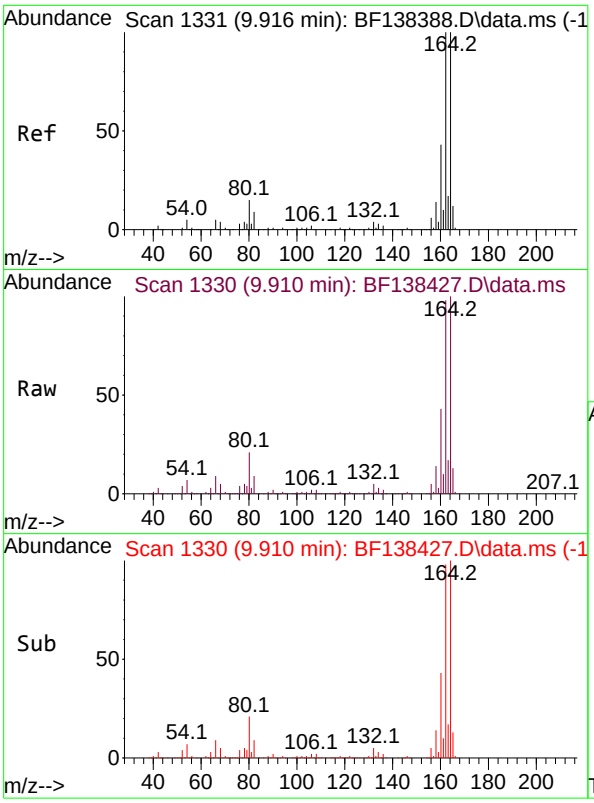




#38
1-Methylnaphthalene
Concen: 19.143 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:142 Resp: 349569

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.8 | 73.7 | 110.5 |



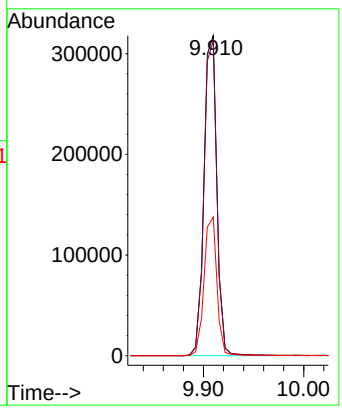


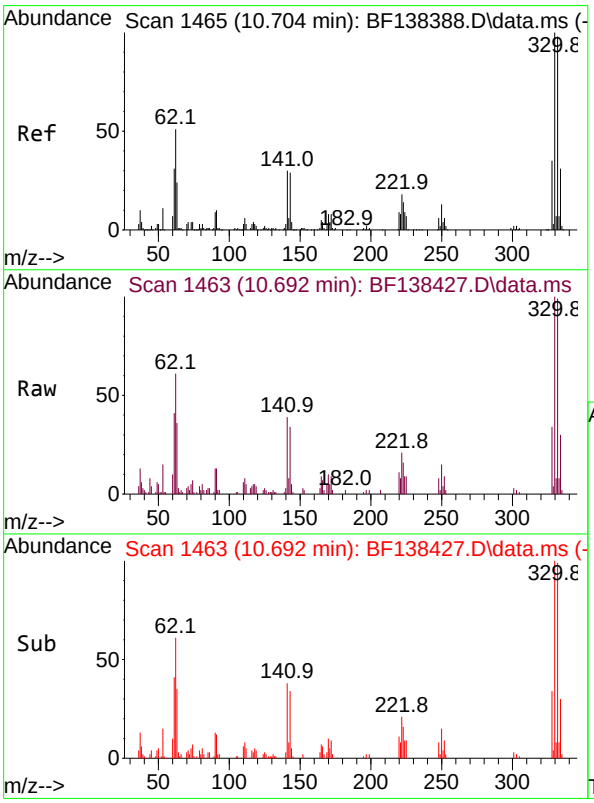

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:164 Resp: 284262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.4 | 80.1 | 120.1 |
| 160 | 43.3 | 34.1 | 51.1 |

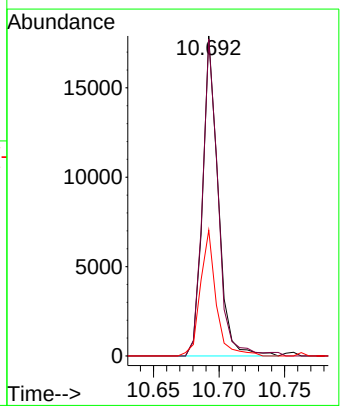


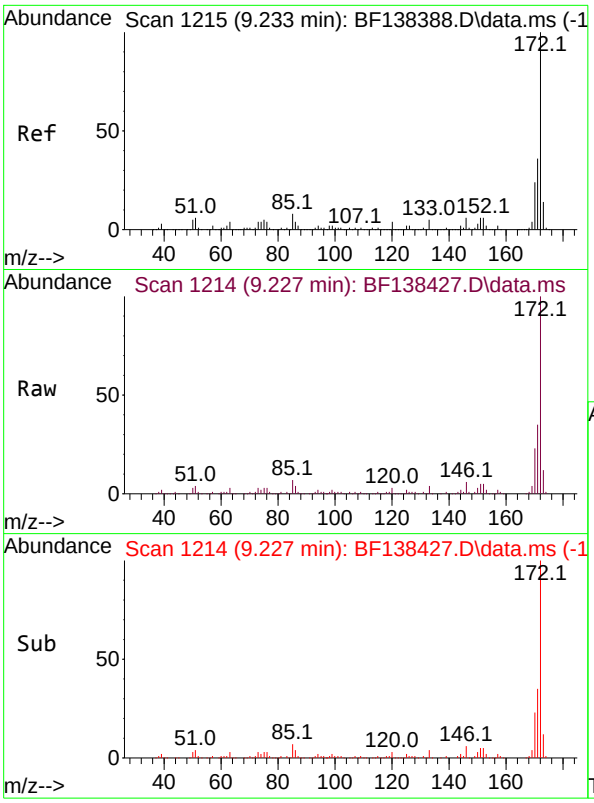




#42
2,4,6-Tribromophenol
Concen: 6.364 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:330 Resp: 14780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 100.0 | 77.0 | 115.6 |
| 141 | 39.8 | 28.1 | 42.1 |



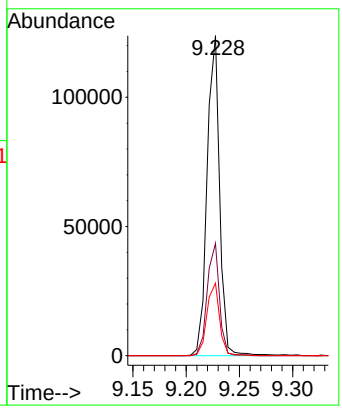


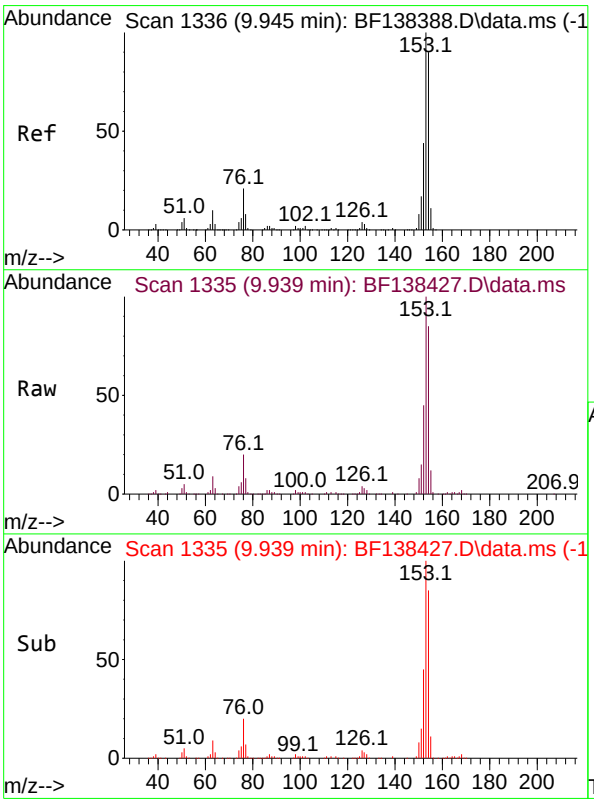

#45
2-Fluorobiphenyl
Concen: 5.683 ng
RT: 9.227 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:172 Resp: 101502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.1 | 29.0 | 43.4 |
| 170 | 22.6 | 19.0 | 28.6 |

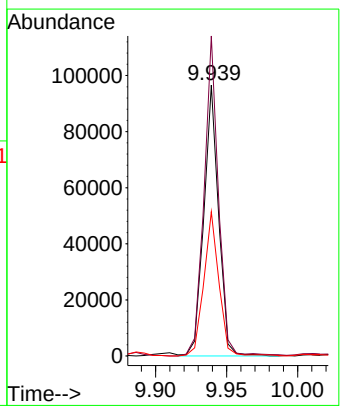


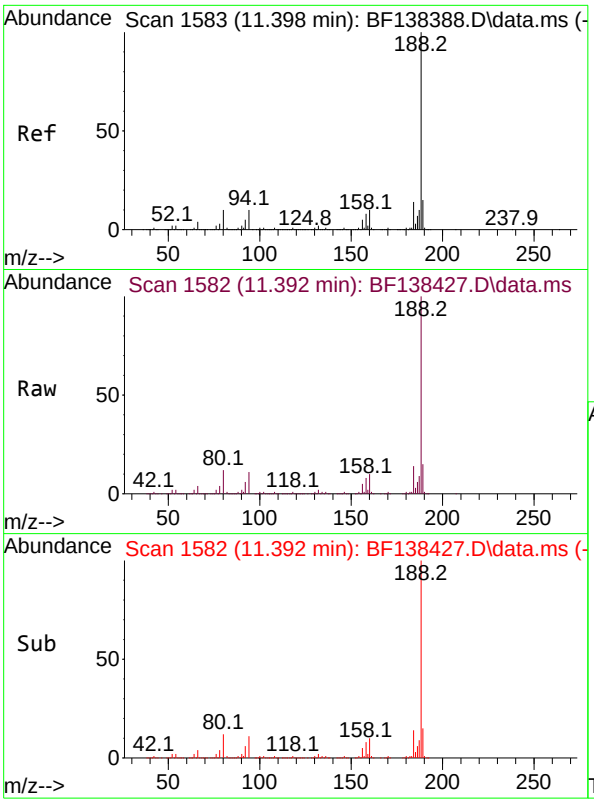




#52
Acenaphthene
Concen: 4.493 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:154 Resp: 70014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 118.1 | 89.4 | 134.0 |
| 152 | 53.2 | 39.7 | 59.5 |



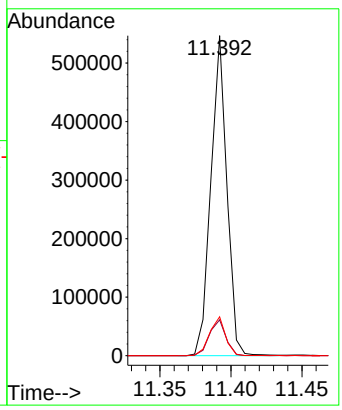


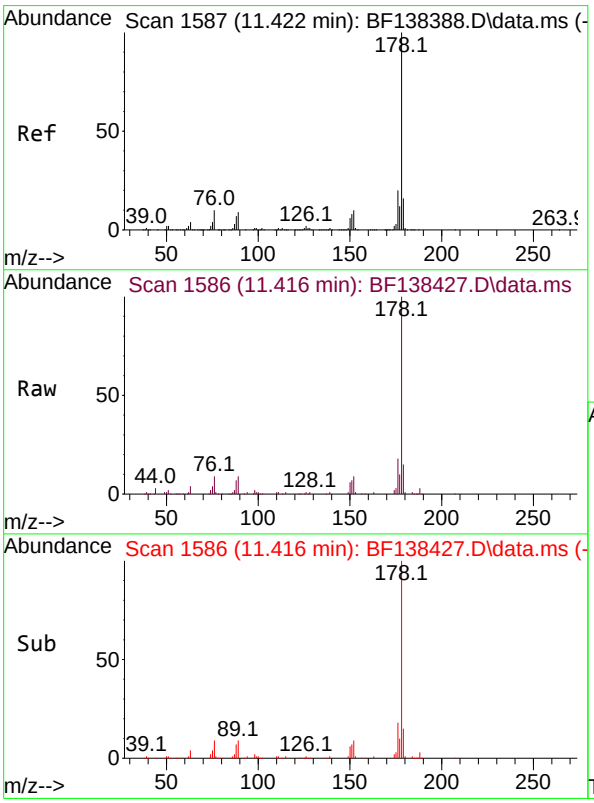

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:188 Resp: 429447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.2 | 8.0 | 12.0 |
| 80 | 12.2 | 8.2 | 12.4 |

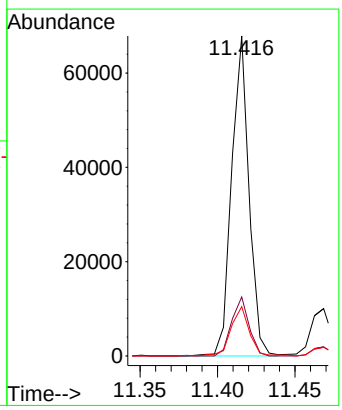


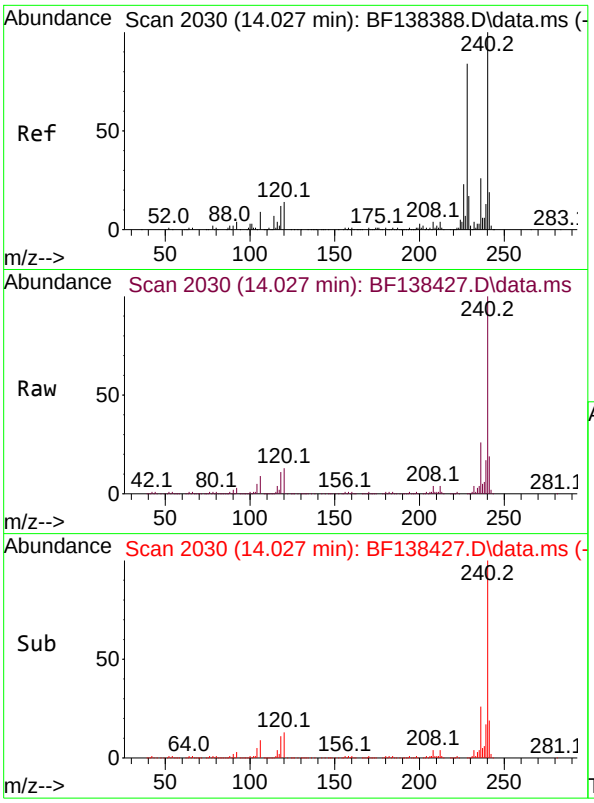




#71
Phenanthrene
Concen: 2.518 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:178 Resp: 52795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 16.1 | 24.1 |
| 179 | 15.4 | 12.6 | 18.8 |



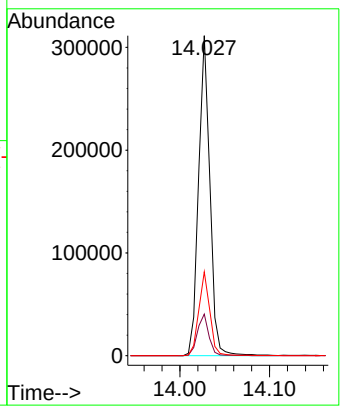


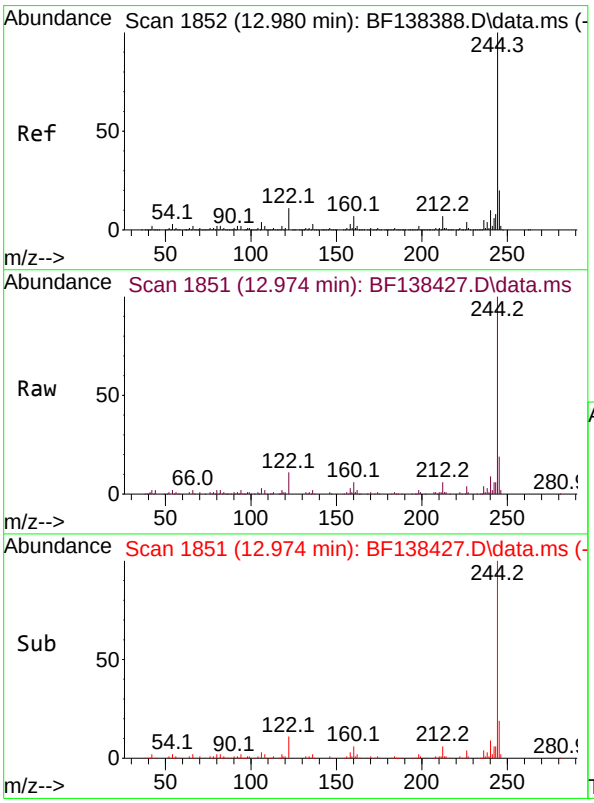

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:240 Resp: 272923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.0 | 10.9 | 16.3 |
| 236 | 26.2 | 20.6 | 30.8 |

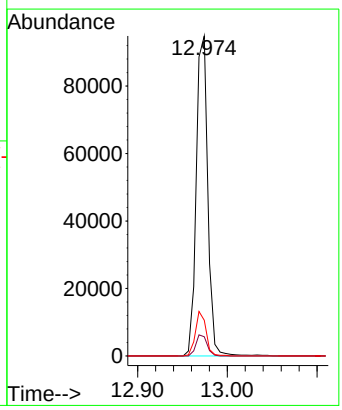


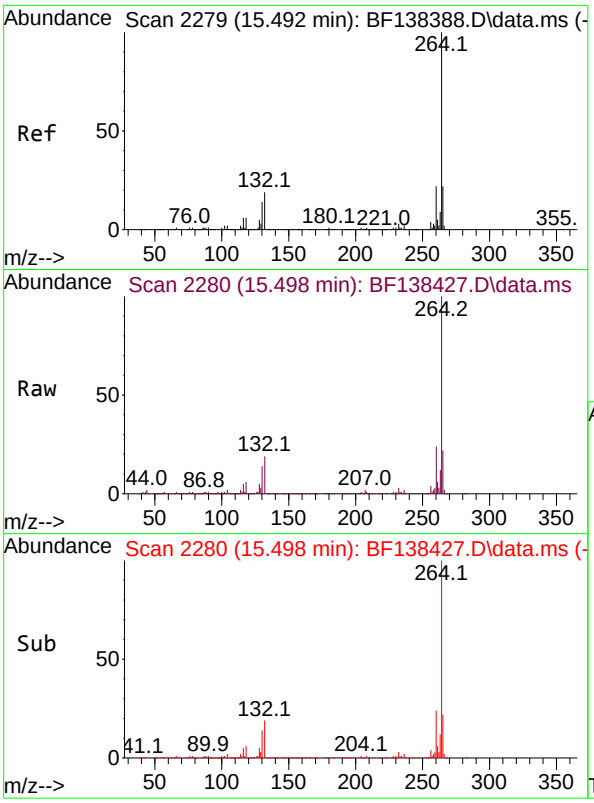




#79
Terphenyl-d14
Concen: 4.258 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

Tgt Ion:244 Resp: 84807

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.0 | 5.6 | 8.4 |
| 122 | 11.2 | 9.0 | 13.4 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF138427.D
Acq: 02 Jul 2024 14:17

**Instrument :**
BNA_F
**ClientSampleId :**
MW14-20240625DL

Tgt Ion:264 Resp: 268682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.2 | 17.8 | 26.6 |
| 265 | 21.8 | 17.5 | 26.3 |