Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CL-01-042921

Quant Time: Apr 30 16:08:29 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 29 17:34:54 2021
Response via : Initial Calibration

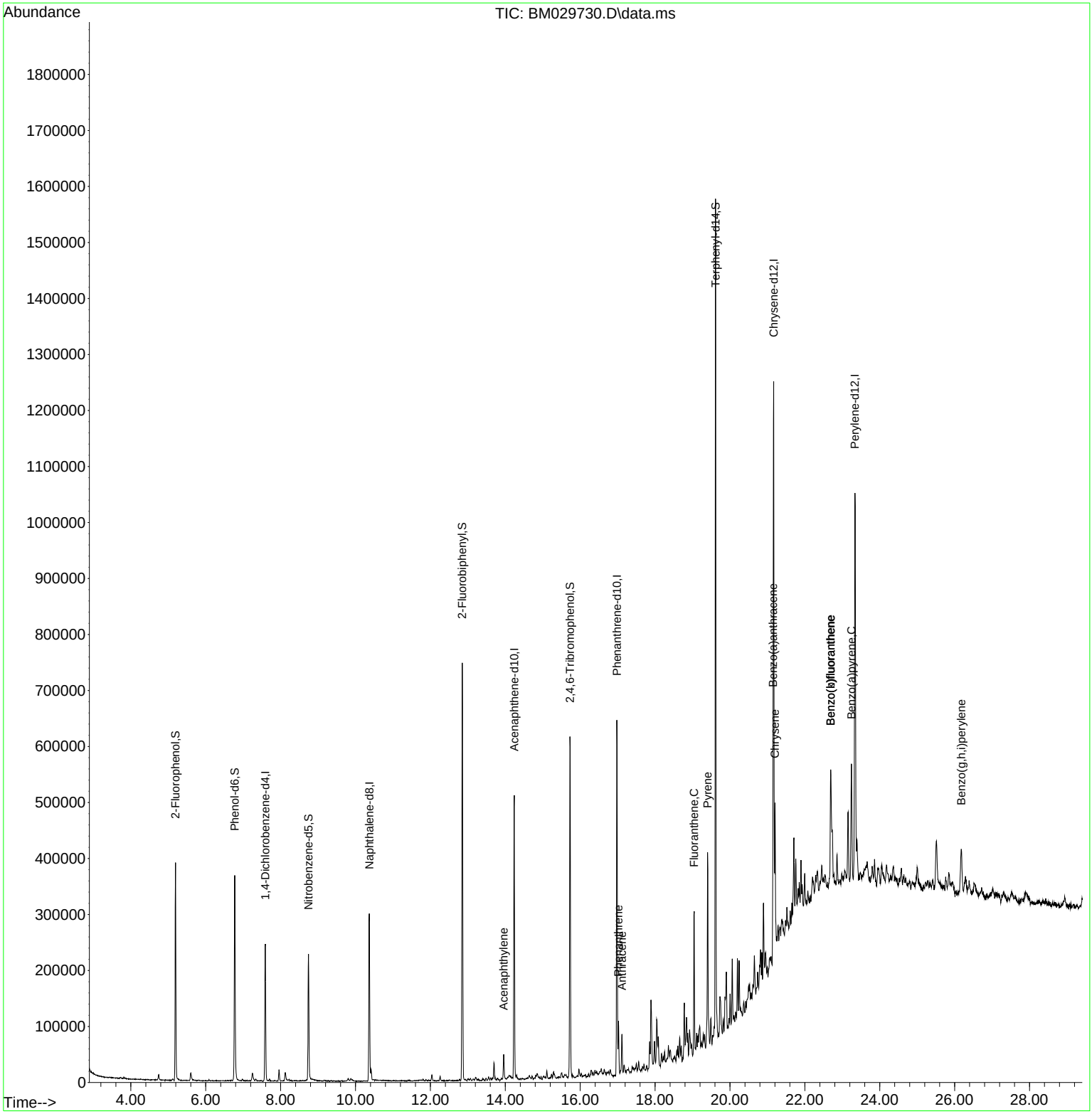
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.592 | 152 | 75141 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.369 | 136 | 260900 | 20.00 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.239 | 164 | 179890 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 16.980 | 188 | 404037 | 20.00 | ng | #-0.01 |
| 76) Chrysene-d12 | 21.168 | 240 | 466743 | 20.00 | ng | #-0.01 |
| 86) Perylene-d12 | 23.338 | 264 | 502349 | 20.00 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.193 | 112 | 168390 | 46.72 | ng | 0.00 |
| 7) Phenol-d6 | 6.775 | 99 | 204780 | 41.85 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.745 | 82 | 134128 | 29.70 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.733 | 330 | 130917 | 45.84 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.851 | 172 | 413902 | 29.84 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.615 | 244 | 699060 | 27.49 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 49) Acenaphthylene | 13.957 | 152 | 36144 | 2.18 | ng | 99 |
| 71) Phenanthrene | 17.021 | 178 | 57768 | 2.54 | ng | 97 |
| 72) Anthracene | 17.115 | 178 | 47349 | 2.09 | ng | 98 |
| 75) Fluoranthene | 19.045 | 202 | 144166 | 5.16 | ng | 97 |
| 78) Pyrene | 19.403 | 202 | 225362 | 7.53 | ng | 98 |
| 81) Benzo(a)anthracene | 21.150 | 228 | 146717 | 4.83 | ng | 93 |
| 83) Chrysene | 21.203 | 228 | 152667 | 5.07 | ng | 97 |
| 88) Benzo(b)fluoranthene | 22.691 | 252 | 219748 | 6.61 | ng | 97 |
| 89) Benzo(k)fluoranthene | 22.691 | 252 | 219748 | 6.83 | ng | 97 |
| 90) Benzo(a)pyrene | 23.244 | 252 | 145596 | 4.79 | ng | 97 |
| 92) Benzo(g,h,i)perylene | 26.179 | 276 | 98694 | 3.19 | ng | 98 |

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

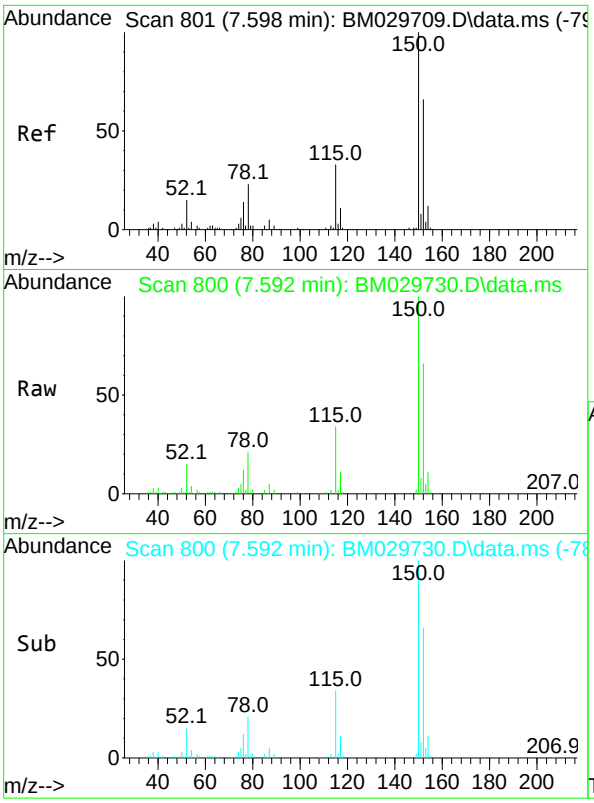
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043021\
Data File : BM029730.D
Acq On : 30 Apr 2021 15:34
Operator : CG/JU
Sample : M2224-01 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

Quant Time: Apr 30 16:08:29 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 29 17:34:54 2021
Response via : Initial Calibration



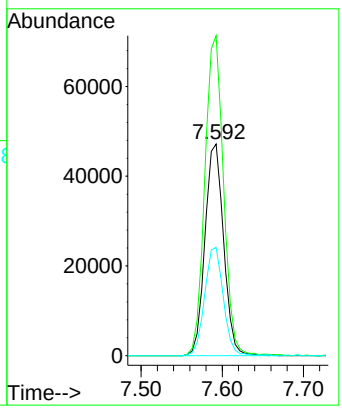
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

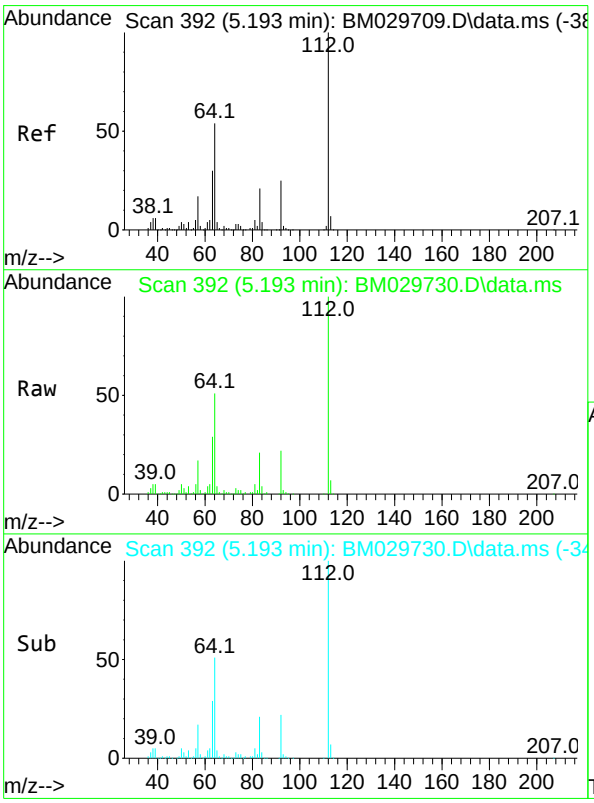



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.592 min Scan# 800
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:152 Resp: 75141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.1 | 125.9 | 188.9 |
| 115 | 51.2 | 44.6 | 67.0 |

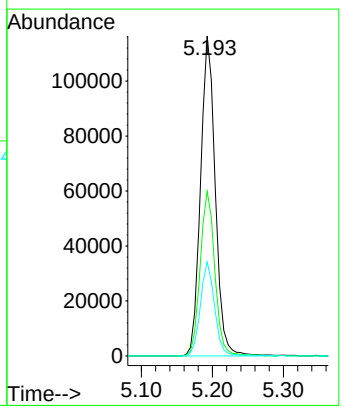


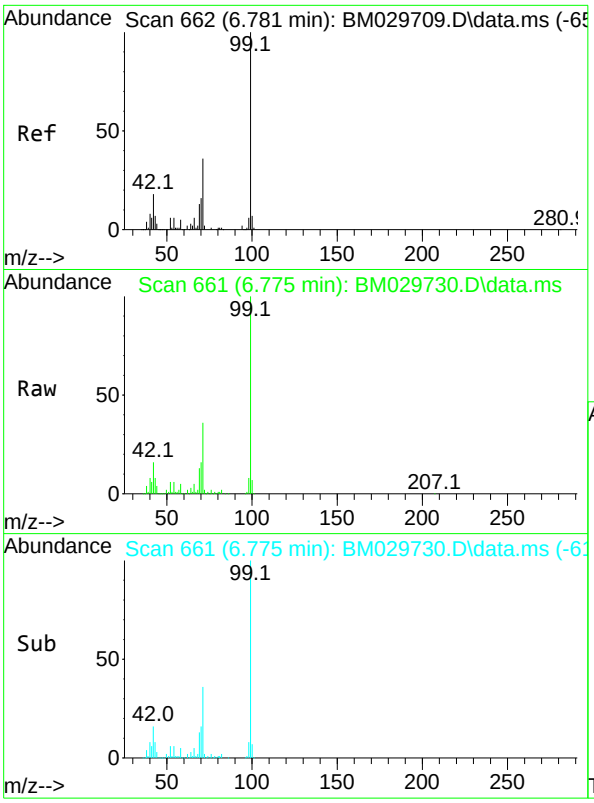

#5
2-Fluorophenol
Concen: 46.72 ng
RT: 5.193 min Scan# 392
Delta R.T. 0.000 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:112 Resp: 168390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.5 | 47.1 | 70.7 |
| 63 | 29.4 | 27.3 | 40.9 |



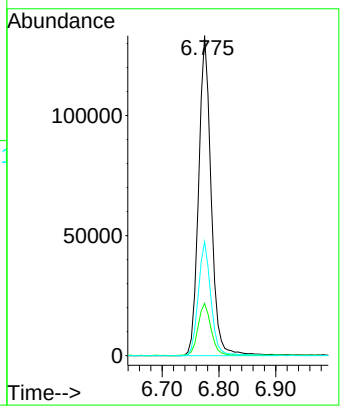
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

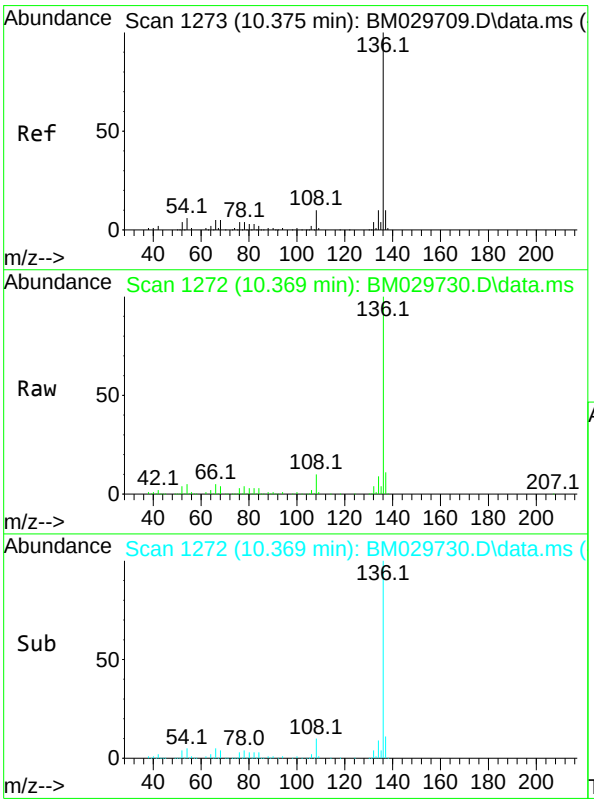



#7
Phenol-d6
Concen: 41.85 ng
RT: 6.775 min Scan# 661
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion: 99 Resp: 204780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.3 | 18.0 | 27.0# |
| 71 | 35.6 | 30.9 | 46.3 |

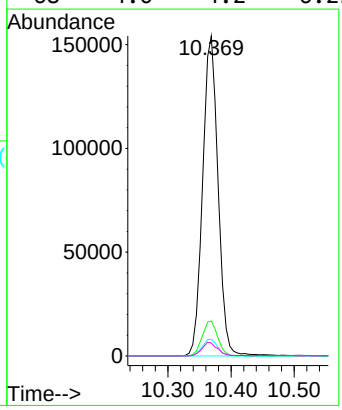


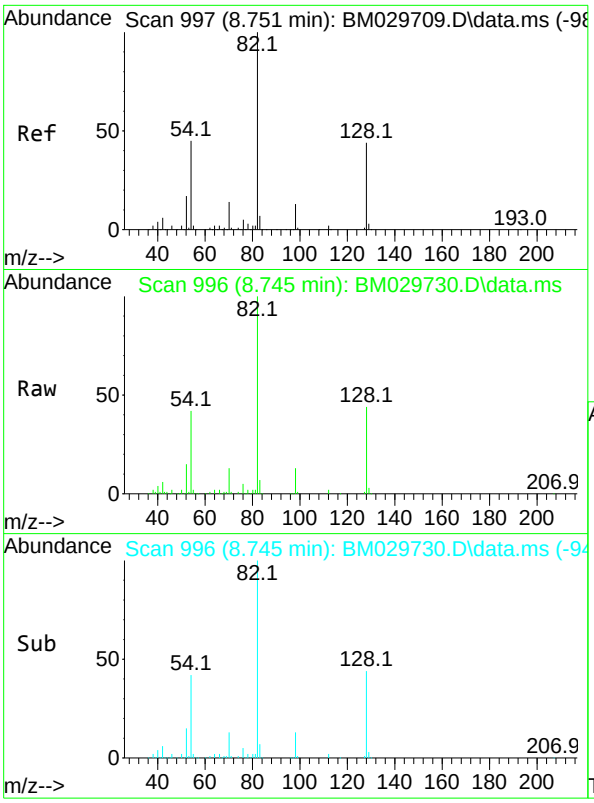

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.369 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:136 Resp: 260900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.4 | 12.6 |
| 54 | 5.2 | 5.5 | 8.3# |
| 68 | 4.0 | 4.2 | 6.2# |



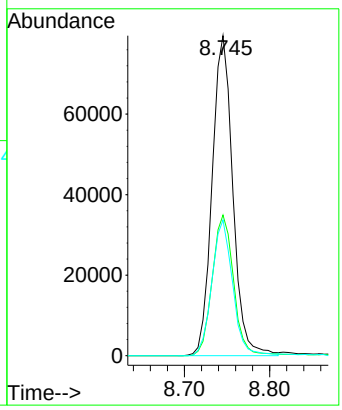
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

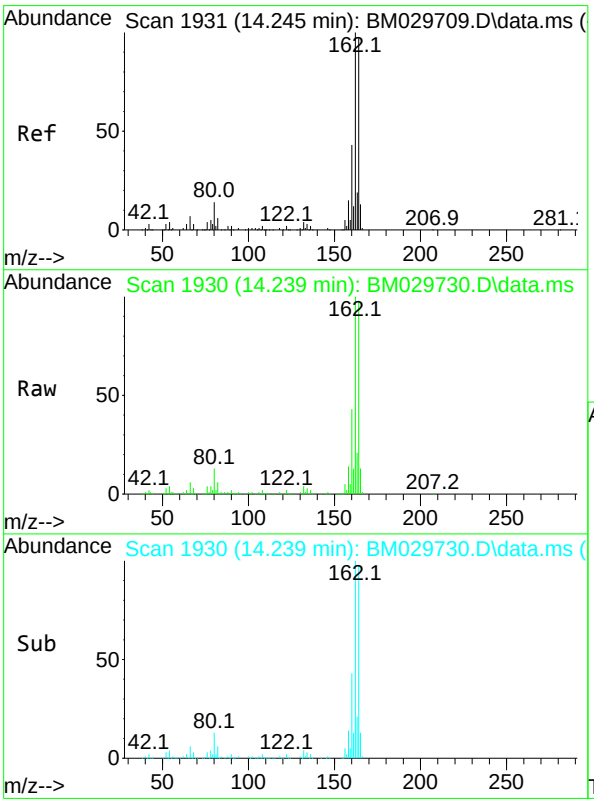



#23
Nitrobenzene-d5
Concen: 29.70 ng
RT: 8.745 min Scan# 996
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion: 82 Resp: 134128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.9 | 31.1 | 46.7 |
| 54 | 42.4 | 37.3 | 55.9 |

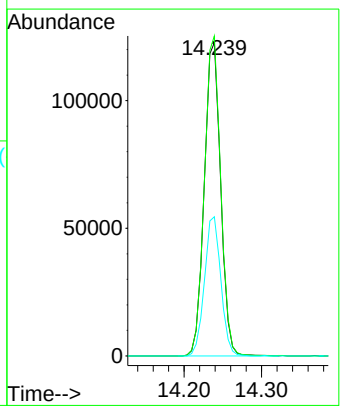


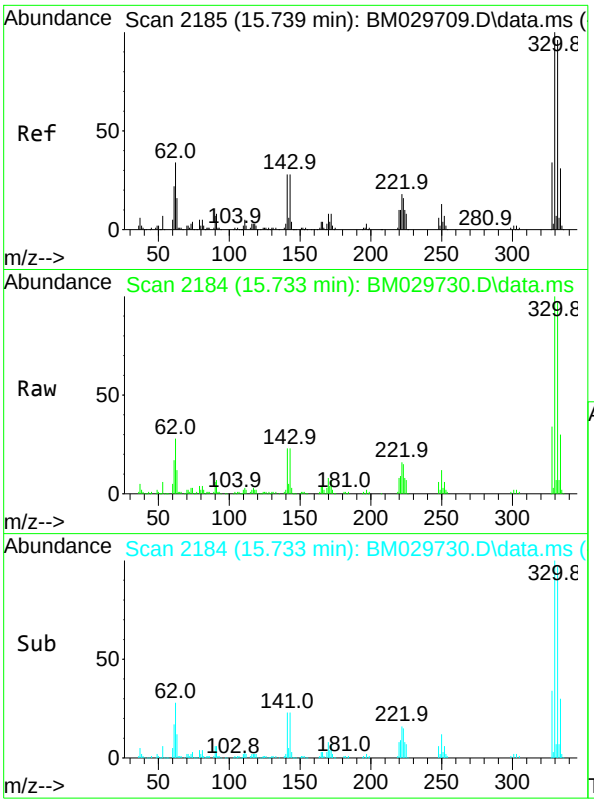

#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.239 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:164 Resp: 179890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 83.4 | 125.0 |
| 160 | 44.4 | 37.2 | 55.8 |



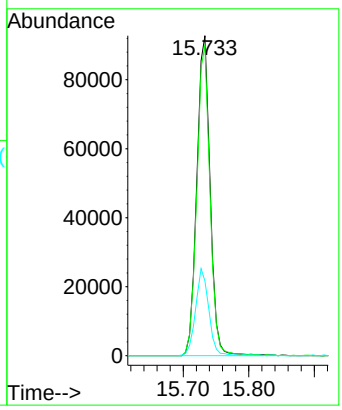
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

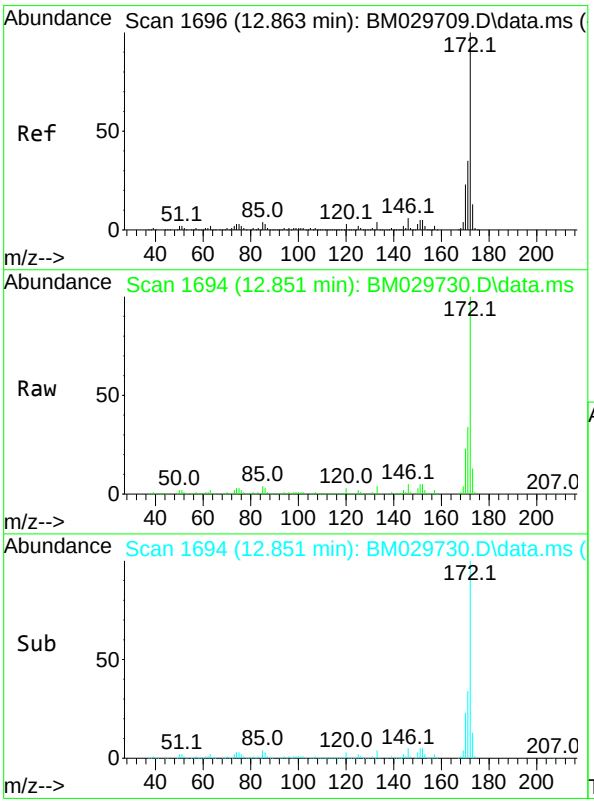



#42
2,4,6-Tribromophenol
Concen: 45.84 ng
RT: 15.733 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:330 Resp: 130917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 77.0 | 115.4 |
| 141 | 26.9 | 30.2 | 45.2# |

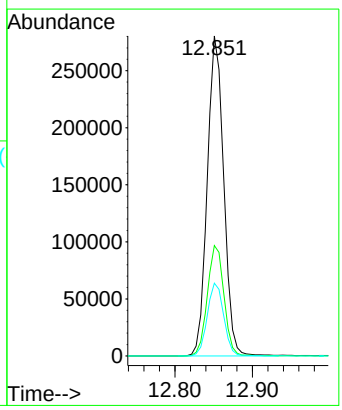


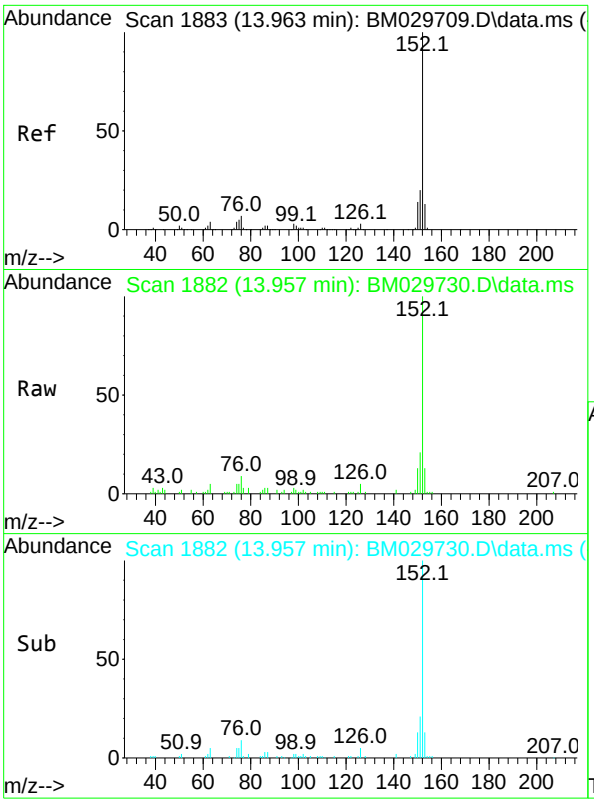

#45
2-Fluorobiphenyl
Concen: 29.84 ng
RT: 12.851 min Scan# 1694
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:172 Resp: 413902

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.5 | 28.6 | 43.0 |
| 170 | 22.7 | 18.4 | 27.6 |



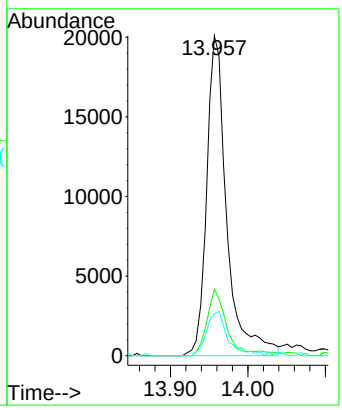
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

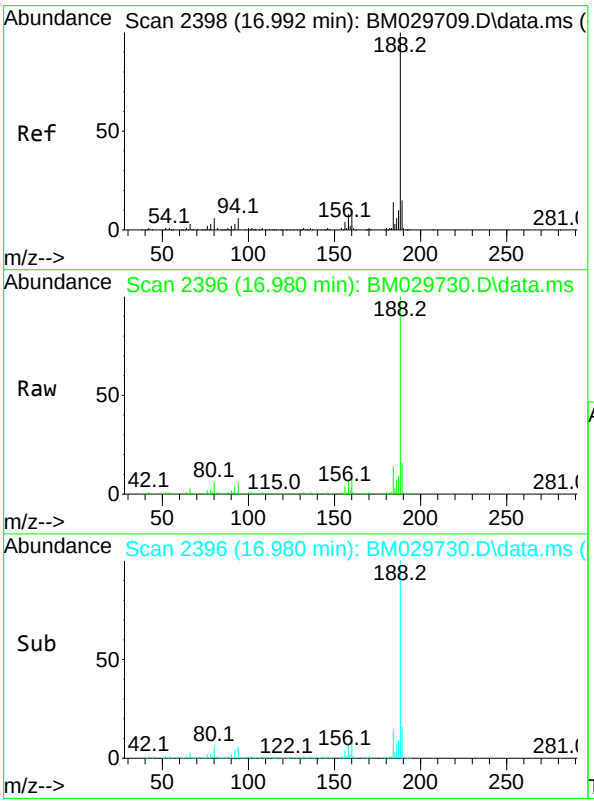



#49
Acenaphthylene
Concen: 2.18 ng
RT: 13.957 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:152 Resp: 36144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.8 | 16.3 | 24.5 |
| 153 | 13.2 | 10.2 | 15.4 |

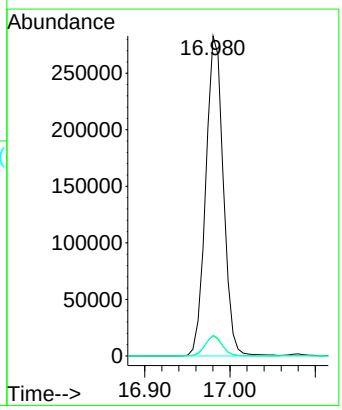


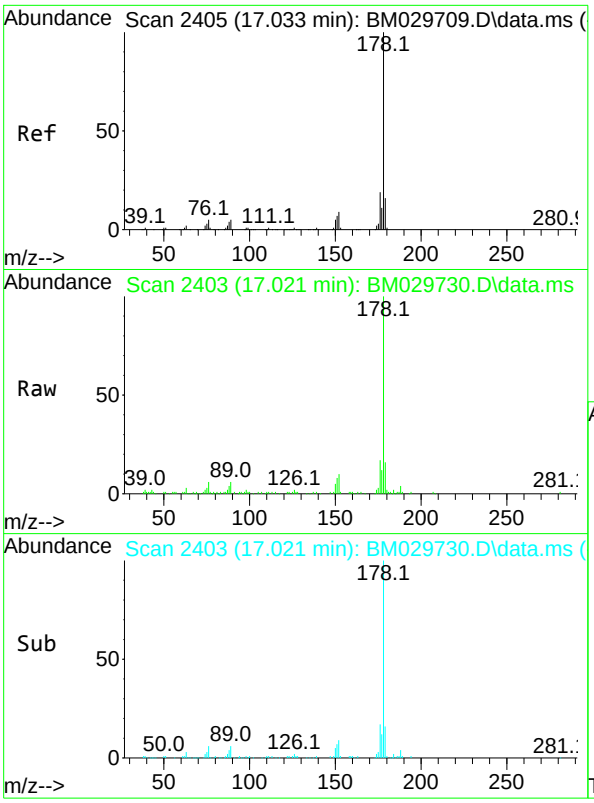

#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.980 min Scan# 2396
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:188 Resp: 404037

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.4 | 6.0 | 9.0 |
| 80 | 6.5 | 6.6 | 9.8# |



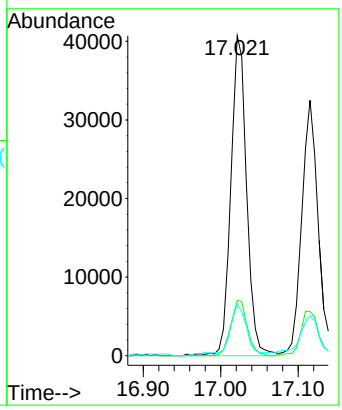
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

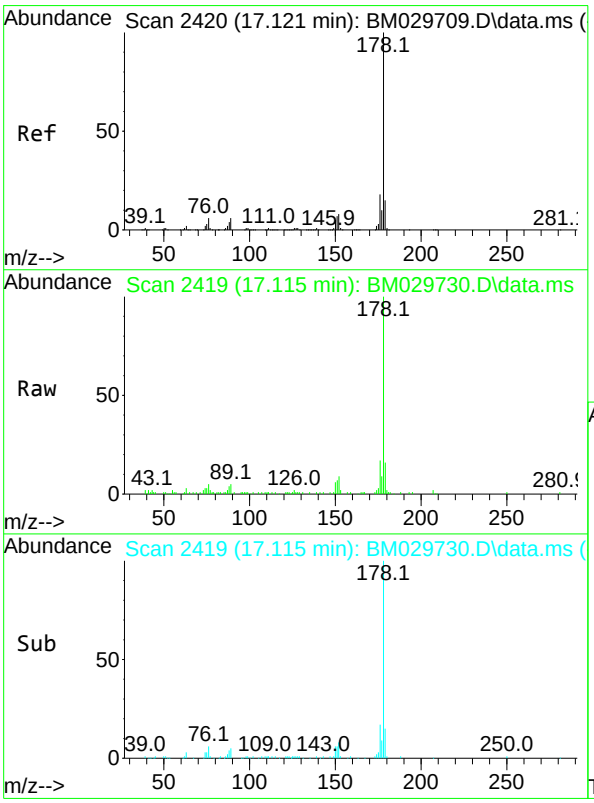



#71
Phenanthrene
Concen: 2.54 ng
RT: 17.021 min Scan# 2403
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:178 Resp: 57768

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.3 | 15.4 | 23.0 |
| 179 | 16.2 | 12.2 | 18.4 |

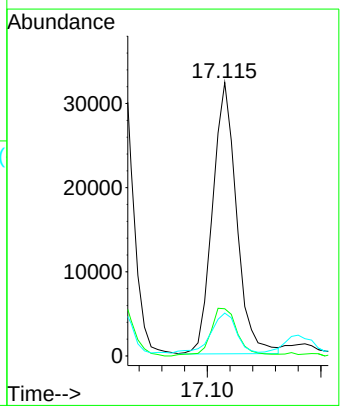


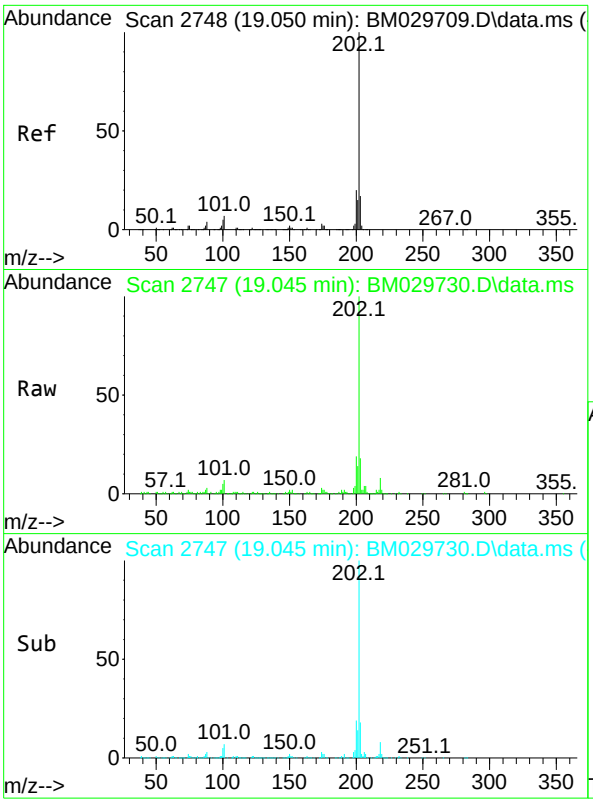

#72
Anthracene
Concen: 2.09 ng
RT: 17.115 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:178 Resp: 47349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.3 | 15.0 | 22.4 |
| 179 | 15.7 | 12.5 | 18.7 |



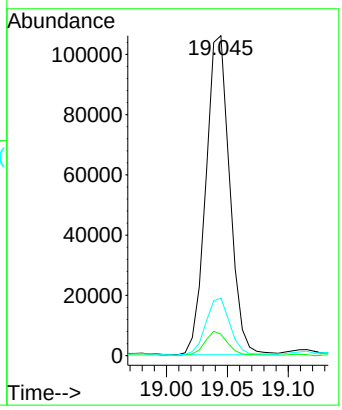
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

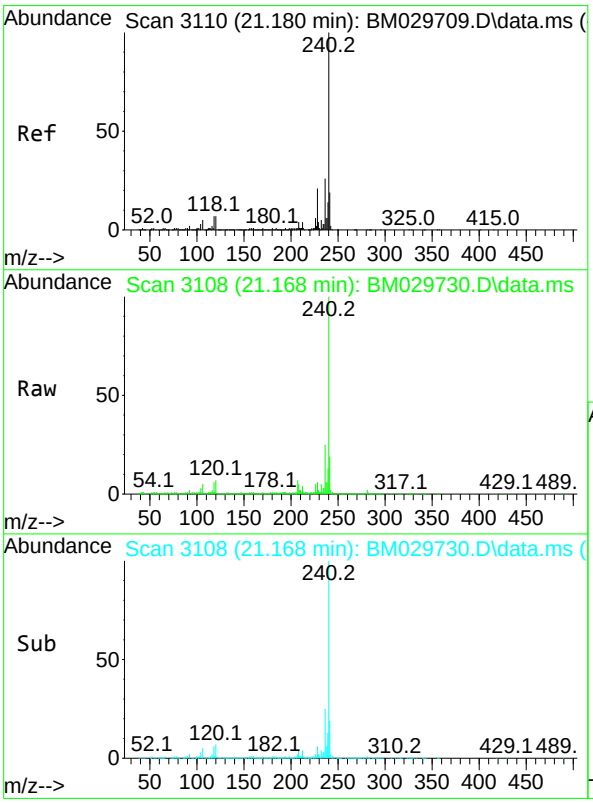



#75
Fluoranthene
Concen: 5.16 ng
RT: 19.045 min Scan# 2747
Delta R.T. -0.006 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:202 Resp: 144166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 6.7 | 0.0 | 28.6 |
| 203 | 18.0 | 0.0 | 37.3 |

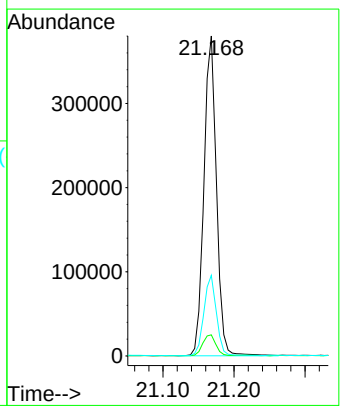



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:240 Resp: 466743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.6 | 7.0 | 10.6# |
| 236 | 25.2 | 21.0 | 31.4 |



**Instrument :**
BNA_M
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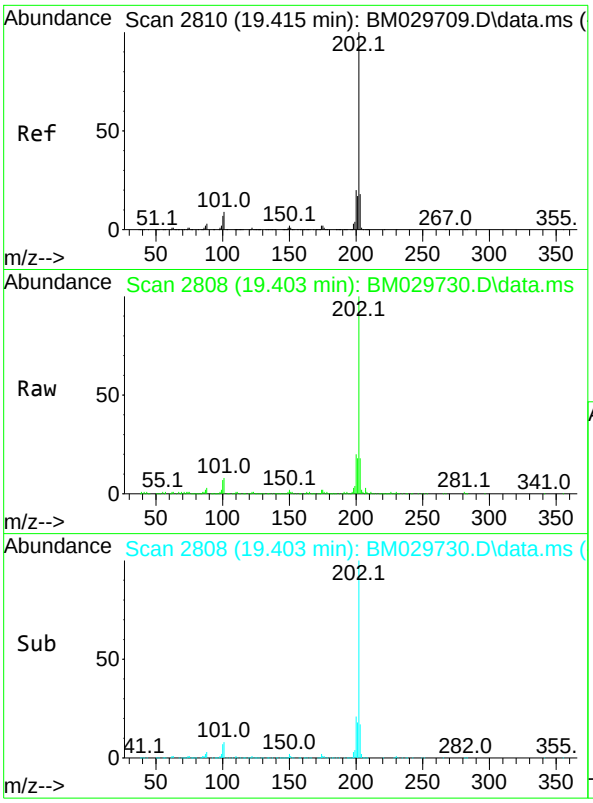
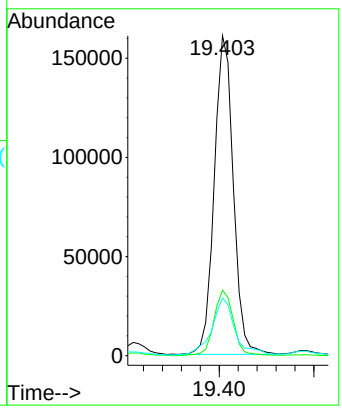
CL-01-042921

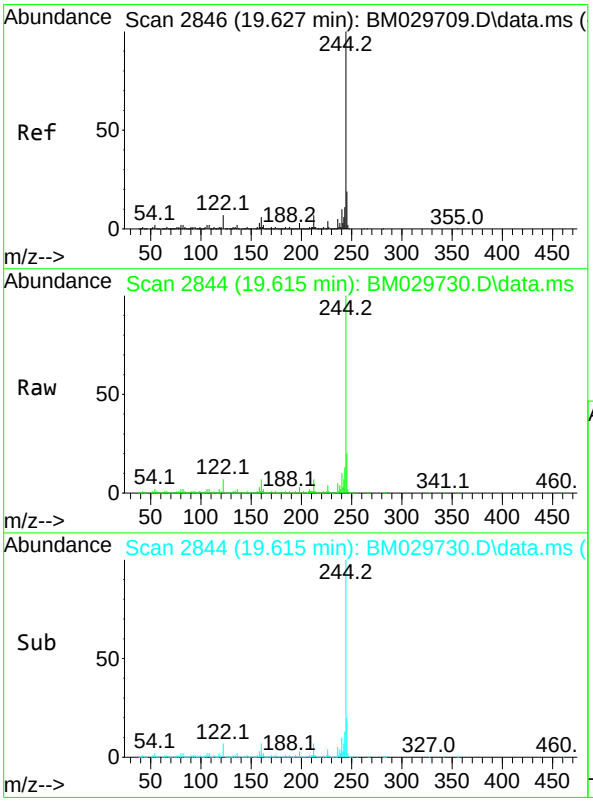



#78
Pyrene
Concen: 7.53 ng
RT: 19.403 min Scan# 2808
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:202 Resp: 225362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 17.3 | 25.9 |
| 203 | 18.1 | 13.9 | 20.9 |

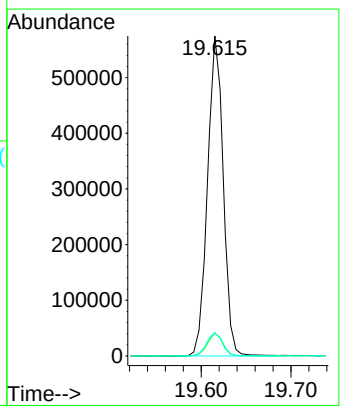


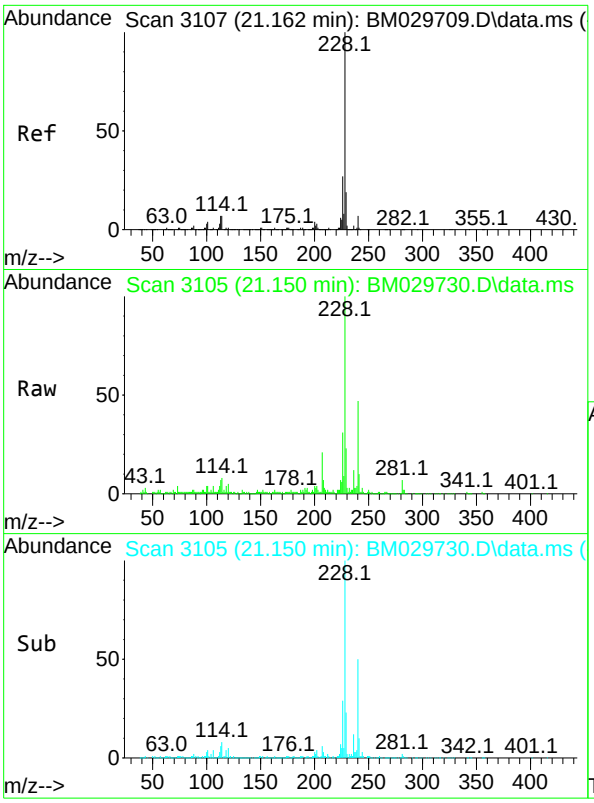

#79
Terphenyl-d14
Concen: 27.49 ng
RT: 19.615 min Scan# 2844
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:244 Resp: 699060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.3 | 9.5 |
| 122 | 7.3 | 6.9 | 10.3 |



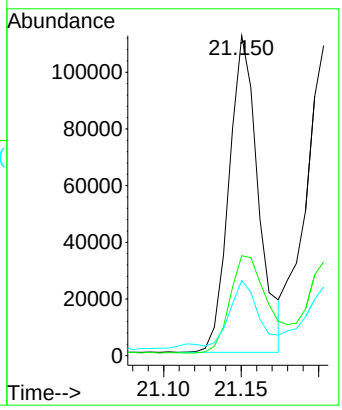
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

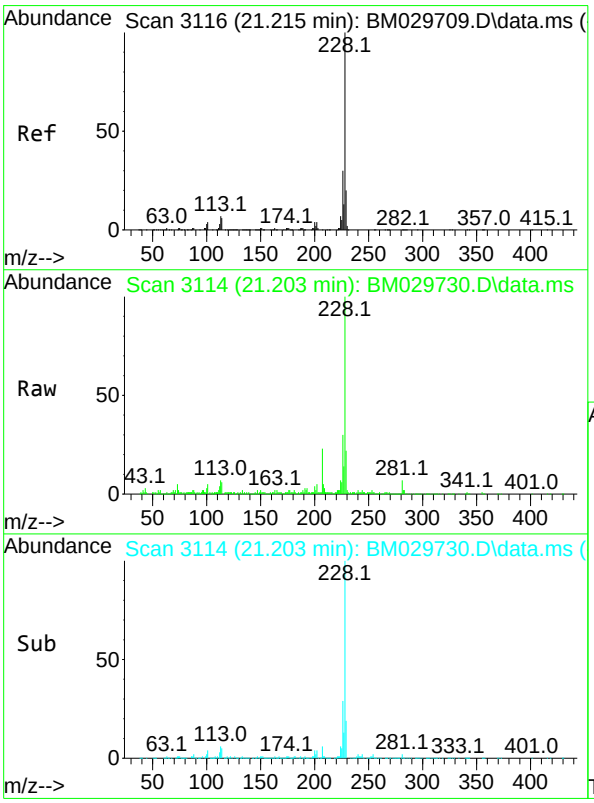



#81
Benzo(a)anthracene
Concen: 4.83 ng
RT: 21.150 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:228 Resp: 146717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 22.3 | 33.5 |
| 229 | 23.5 | 15.7 | 23.5 |

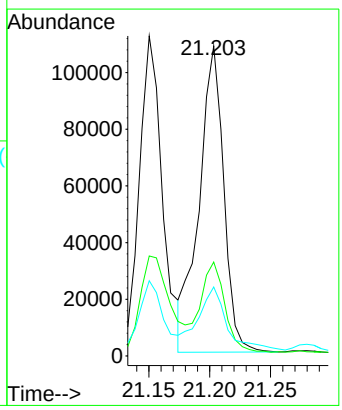


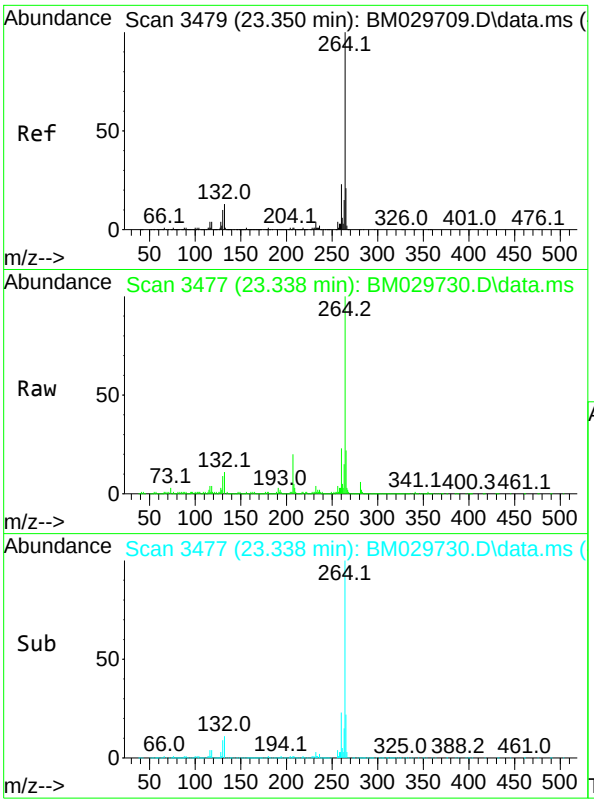




#83
Chrysene
Concen: 5.07 ng
RT: 21.203 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:228 Resp: 152667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.3 | 24.6 | 36.8 |
| 229 | 22.2 | 15.5 | 23.3 |

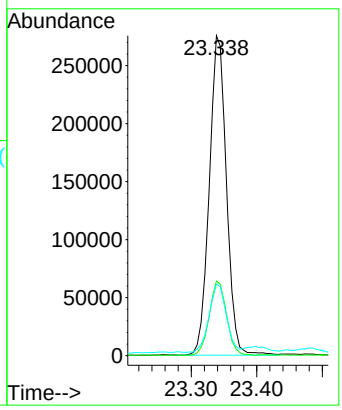




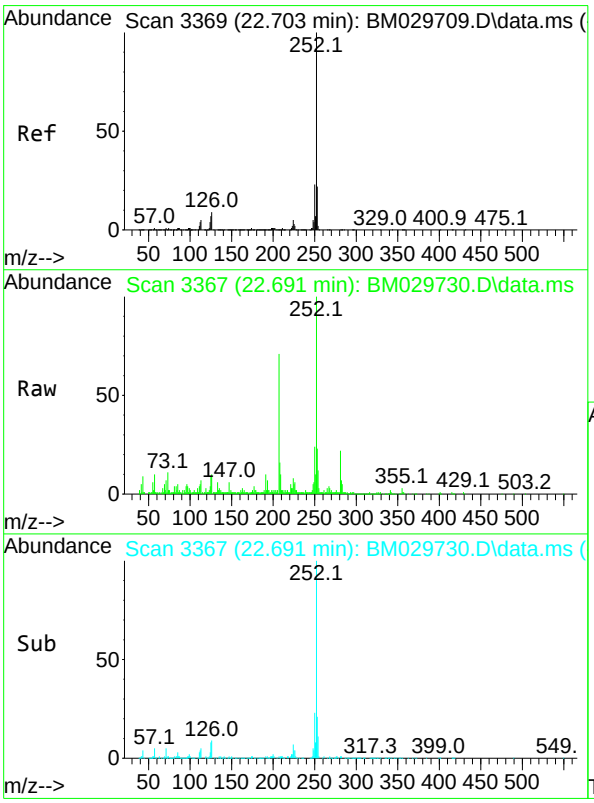

#86
Perylene-d12
Concen: 20.00 ng
RT: 23.338 min Scan# 3477
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:264 Resp: 502349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.8 | 29.8 |
| 265 | 22.4 | 17.7 | 26.5 |



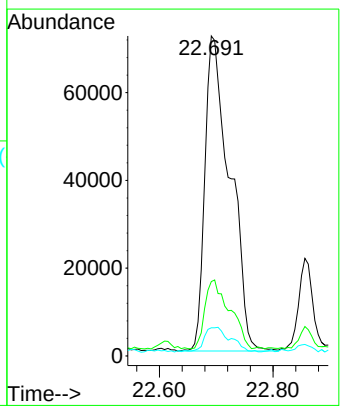

**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921



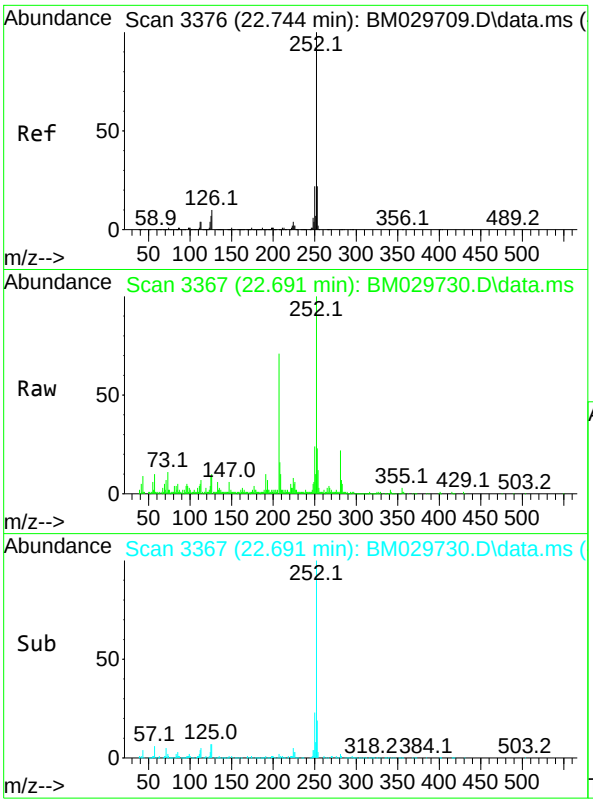

#88
Benzo(b)fluoranthene
Concen: 6.61 ng
RT: 22.691 min Scan# 3367
Delta R.T. -0.012 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:252 Resp: 219748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.4 | 26.0 |
| 125 | 8.8 | 6.8 | 10.2 |



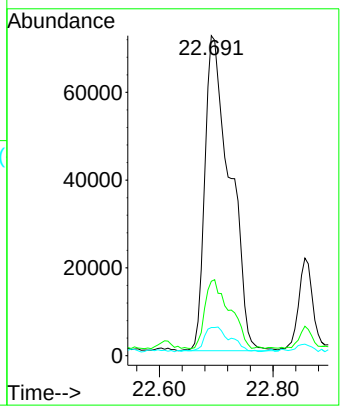
**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921

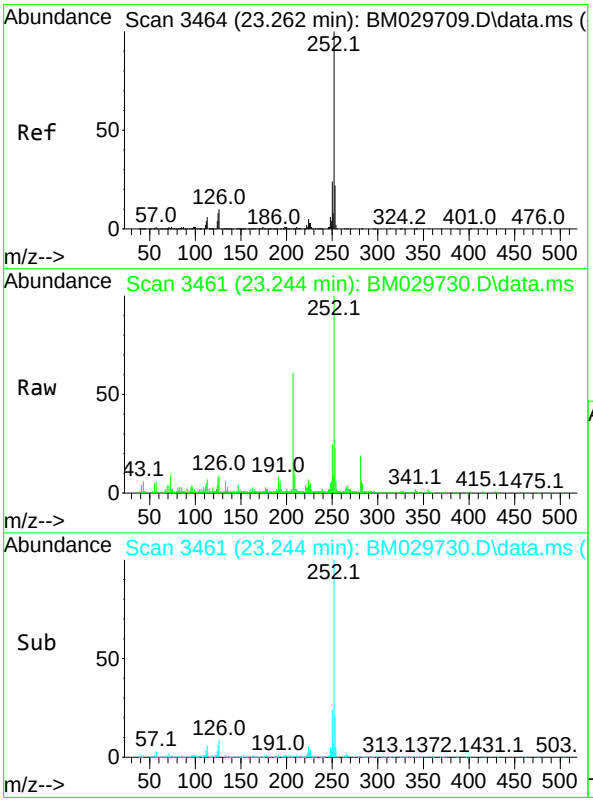



#89
Benzo(k)fluoranthene
Concen: 6.83 ng
RT: 22.691 min Scan# 3367
Delta R.T. -0.053 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:252 Resp: 219748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.4 | 26.2 |
| 125 | 8.8 | 6.2 | 9.2 |

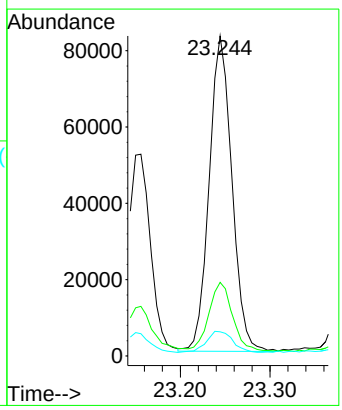


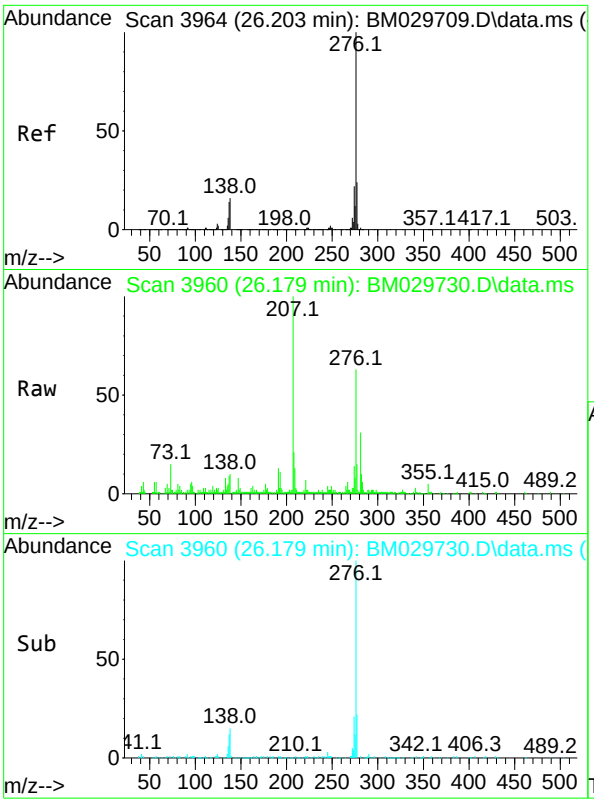




#90
Benzo(a)pyrene
Concen: 4.79 ng
RT: 23.244 min Scan# 3461
Delta R.T. -0.018 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:252 Resp: 145596

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.7 | 26.5 |
| 125 | 7.5 | 7.3 | 10.9 |

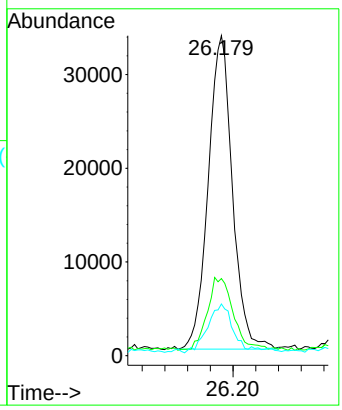





#92
Benzo(g,h,i)perylene
Concen: 3.19 ng
RT: 26.179 min Scan# 3960
Delta R.T. -0.024 min
Lab File: BM029730.D
Acq: 30 Apr 2021 15:34

Tgt Ion:276 Resp: 98694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.1 | 19.4 | 29.2 |
| 138 | 16.2 | 14.4 | 21.6 |




**Instrument :**
BNA_M
**ClientSampleId :**
CL-01-042921