Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072922\
Data File : BG054455.D
Acq On : 29 Jul 2022 18:57
Operator : CG/JU
Sample : N3894-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Quant Time: Jul 30 03:18:49 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 28 04:30:50 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.987 | 152 | 19505 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.796 | 136 | 73067 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.626 | 164 | 55531 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.370 | 188 | 133131 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 21.642 | 240 | 148094 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 24.850 | 264 | 152422 | 20.000 | ng | 0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.572 | 112 | 121395 | 129.945 | ng | 0.01 |
| 7) Phenol-d6 | 7.182 | 99 | 163878 | 128.021 | ng | 0.01 |
| 23) Nitrobenzene-d5 | 9.150 | 82 | 111210 | 82.885 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.119 | 330 | 150457 | 129.043 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.246 | 172 | 335593 | 85.253 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.979 | 244 | 654735 | 87.705 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 9) Benzaldehyde | 7.129 | 77 | 82 | Below Cal | # | 10 |
| 19) n-Nitroso-di-n-propyla... | 9.150 | 70 | 16263 | 19.025 | ng | # 81 |
| 49) Acenaphthylene | 14.350 | 152 | 35742 | 7.566 | ng | # 97 |
| 51) 2,6-Dinitrotoluene | 14.626 | 165 | 7487 | 7.870 | ng | # 16 |
| 57) 2,4-Dinitrotoluene | 14.626 | 165 | 7487 | 5.489 | ng | # 21 |
| 67) 4-Bromophenyl-phenylether | 16.119 | 248 | 9155 | 4.896 | ng | # 1 |
| 71) Phenanthrene | 17.411 | 178 | 30301 | 4.570 | ng | 98 |
| 72) Anthracene | 17.505 | 178 | 15266 | 2.346 | ng | 99 |
| 75) Fluoranthene | 19.427 | 202 | 111043 | 12.287 | ng | 95 |
| 78) Pyrene | 19.785 | 202 | 237683 | 27.971 | ng | 98 |
| 81) Benzo(a)anthracene | 21.618 | 228 | 117439 | 12.492 | ng | # 90 |
| 83) Chrysene | 21.683 | 228 | 156981 | 17.675 | ng | # 93 |
| 87) Indeno(1,2,3-cd)pyrene | 28.534 | 276 | 62391 | 5.381 | ng | # 91 |
| 88) Benzo(b)fluoranthene | 23.833 | 252 | 210583 | 23.362 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.833 | 252 | 210583 | 23.474 | ng | # 98 |
| 90) Benzo(a)pyrene | 24.556 | 252 | 107021 | 13.902 | ng | 93 |
| 91) Dibenzo(a,h)anthracene | 28.563 | 278 | 19390 | 2.034 | ng | # 78 |
| 92) Benzo(g,h,i)perylene | 29.697 | 276 | 65564 | 6.967 | ng | # 92 |

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

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**Instrument :**
BNA_G
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QLast Update : Thu Jul 28 04:30:50 2022
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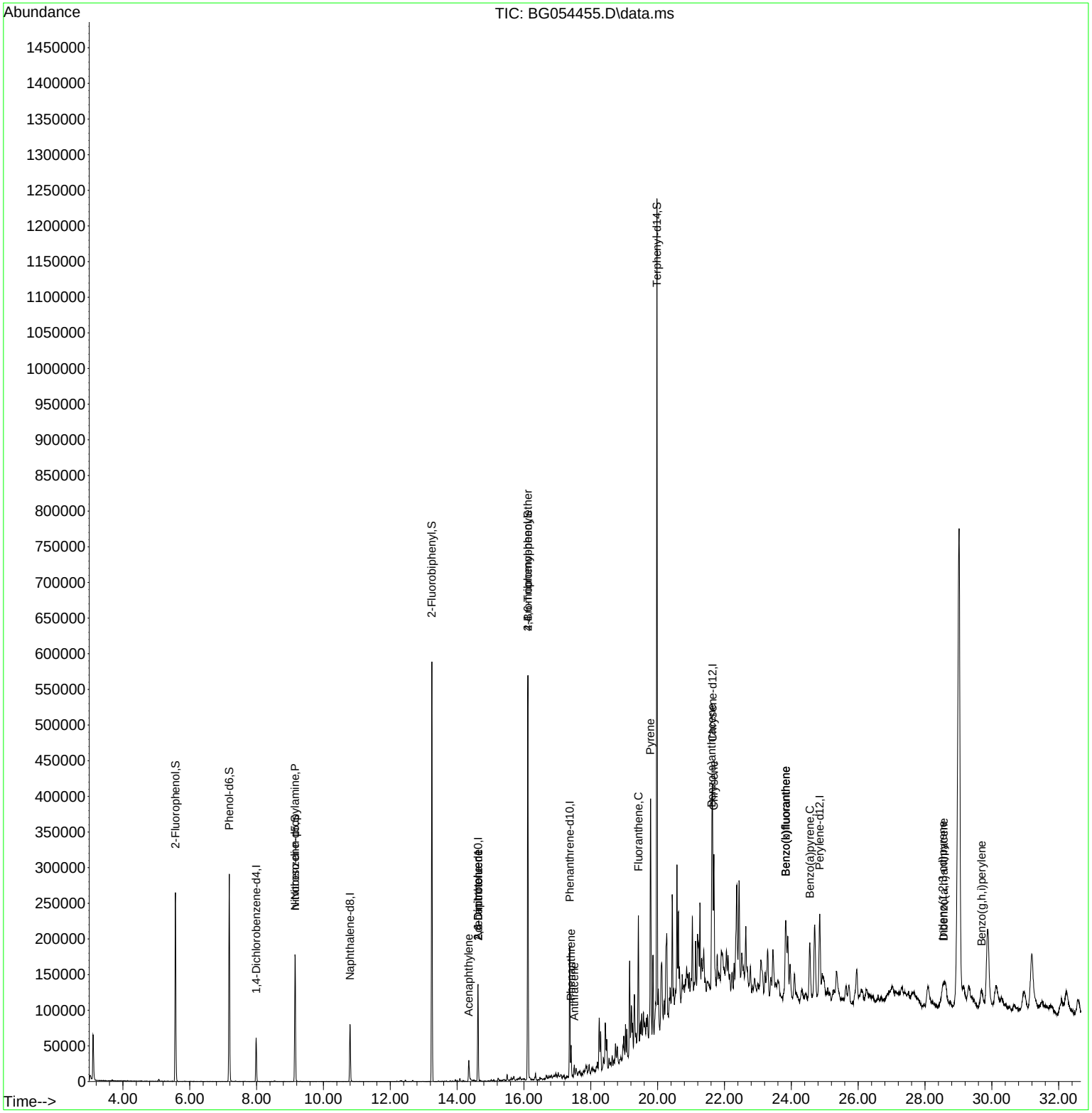
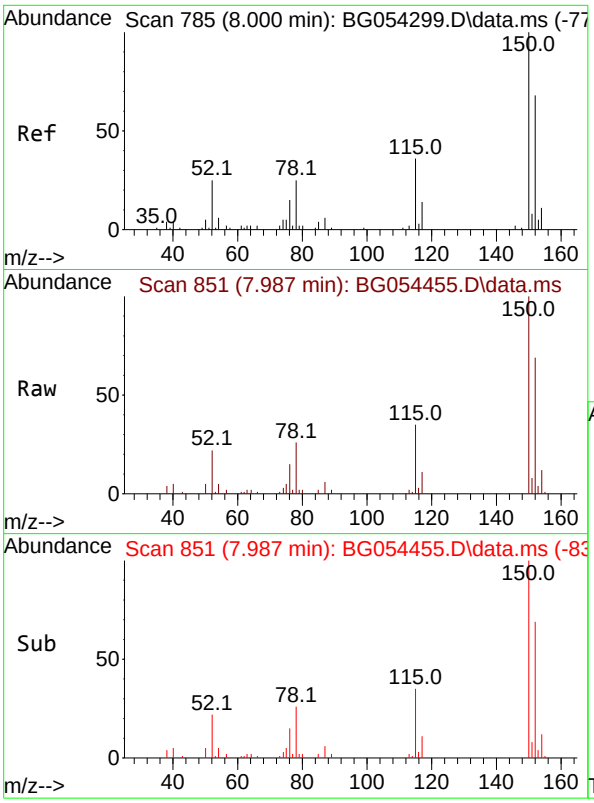


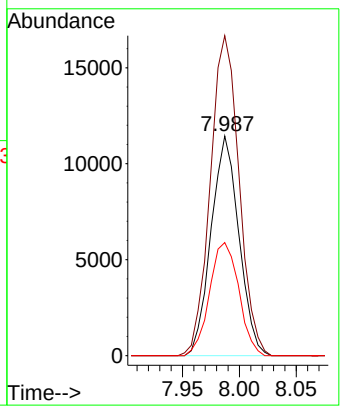


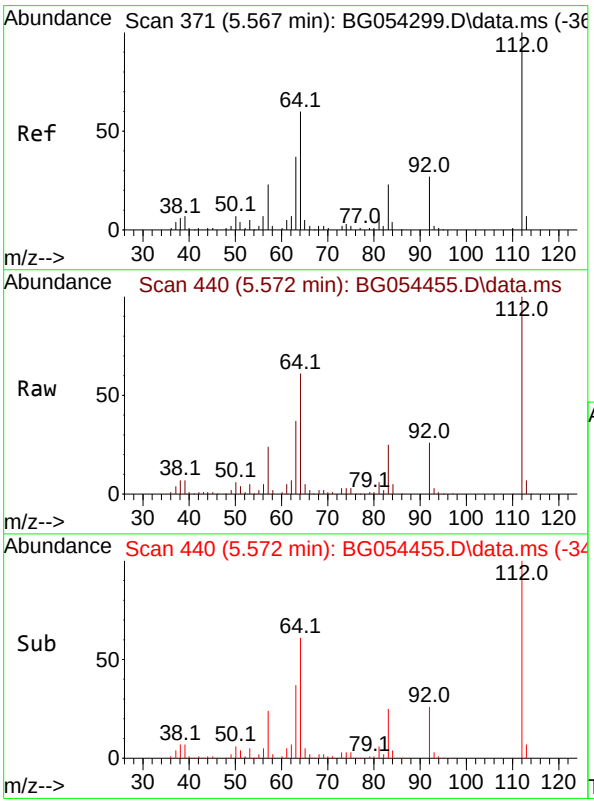

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.987 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:152 Resp: 19505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 145.6 | 131.6 | 197.4 |
| 115 | 51.5 | 50.9 | 76.3 |

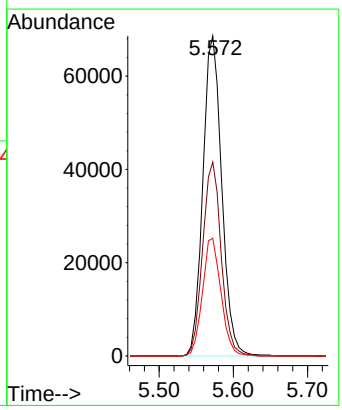


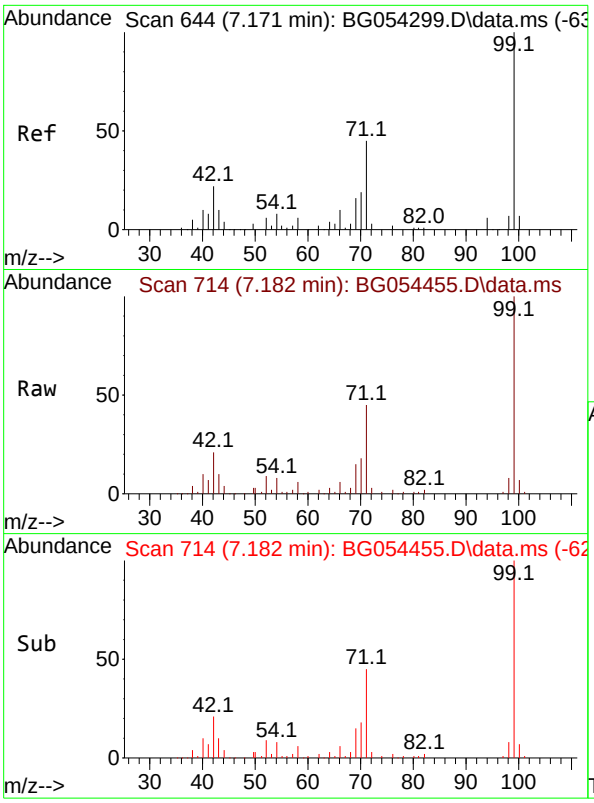




#5
2-Fluorophenol
Concen: 129.945 ng
RT: 5.572 min Scan# 440
Delta R.T. 0.010 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:112 Resp: 121395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.6 | 55.1 | 82.7 |
| 63 | 36.8 | 30.4 | 45.6 |



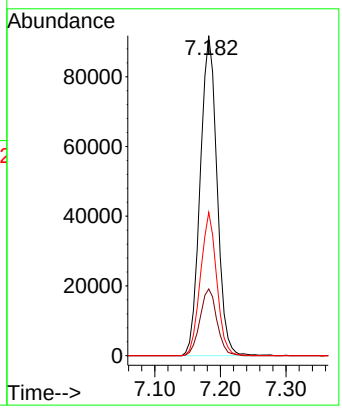


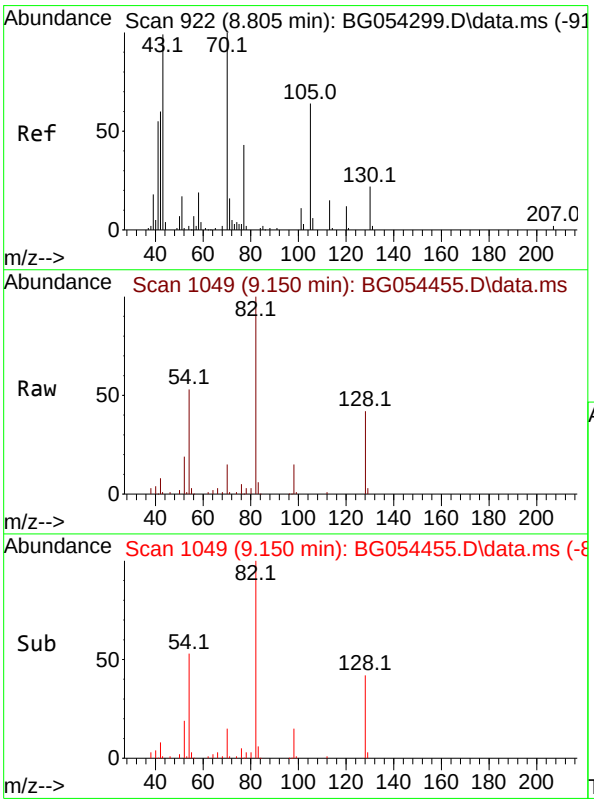

#7
Phenol-d6
Concen: 128.021 ng
RT: 7.182 min Scan# 7
Delta R.T. 0.010 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion: 99 Resp: 163878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.8 | 17.0 | 25.6 |
| 71 | 44.8 | 33.8 | 50.8 |

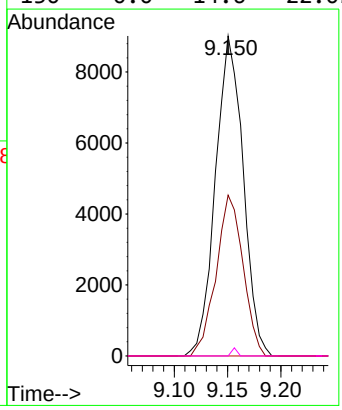


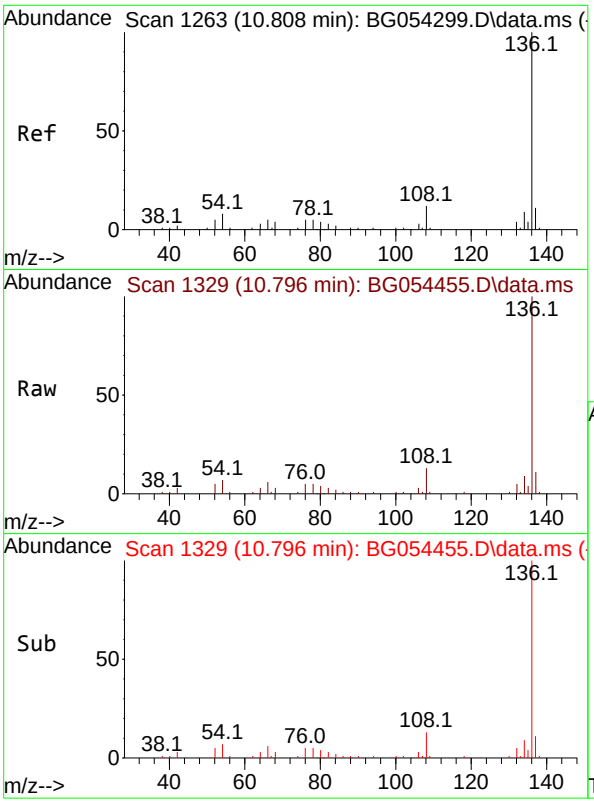




#19
n-Nitroso-di-n-propylamine
Concen: 19.025 ng
RT: 9.150 min Scan# 1049
Delta R.T. 0.357 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion: 70 Resp: 16263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 50.2 | 47.3 | 70.9 |
| 101 | 0.0 | 7.0 | 10.4# |
| 130 | 0.0 | 14.6 | 22.0# |



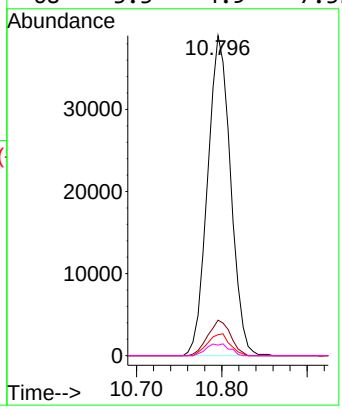


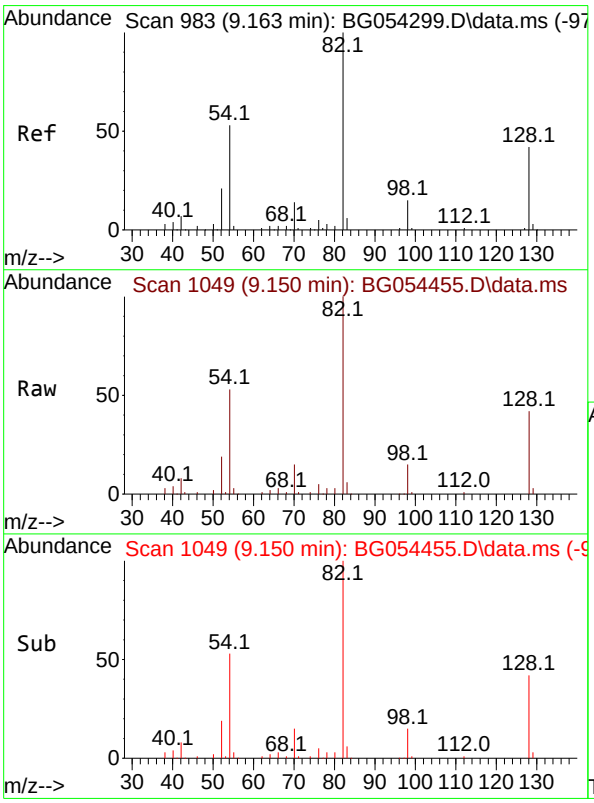

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.796 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:136 Resp: 73067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.5 | 12.7 |
| 54 | 6.5 | 7.4 | 11.2# |
| 68 | 3.3 | 4.9 | 7.3# |

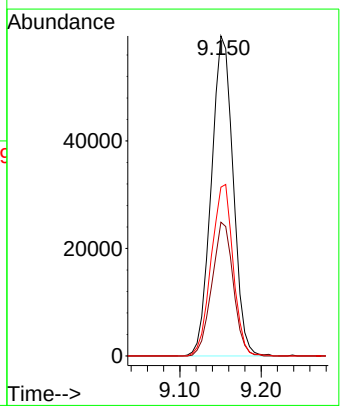


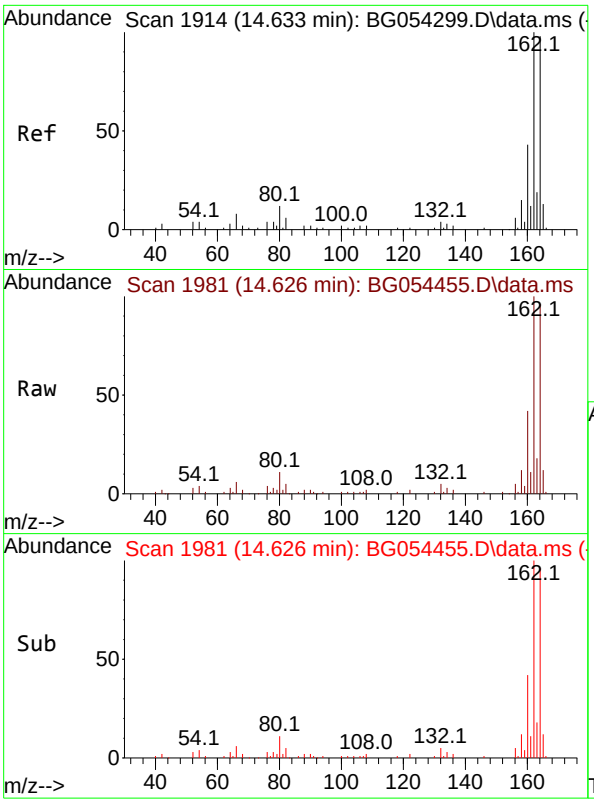




#23
Nitrobenzene-d5
Concen: 82.885 ng
RT: 9.150 min Scan# 1049
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion: 82 Resp: 111210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.8 | 27.9 | 41.9 |
| 54 | 52.7 | 41.2 | 61.8 |



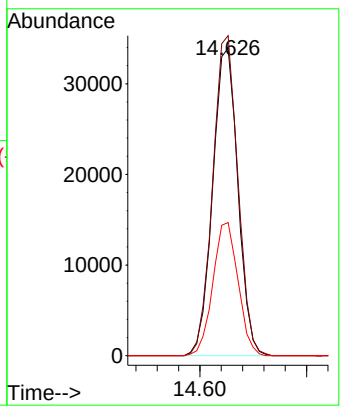


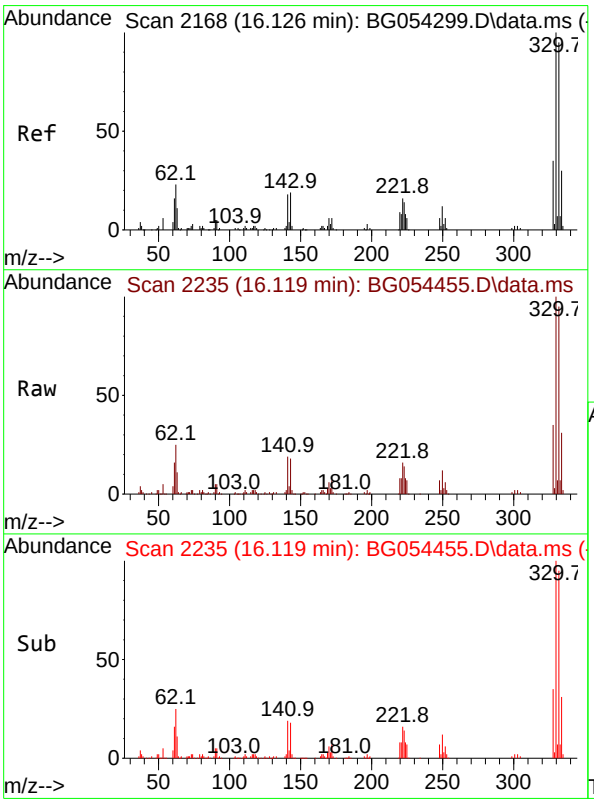

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.626 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:164 Resp: 55531

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.0 | 82.3 | 123.5 |
| 160 | 43.3 | 34.2 | 51.2 |

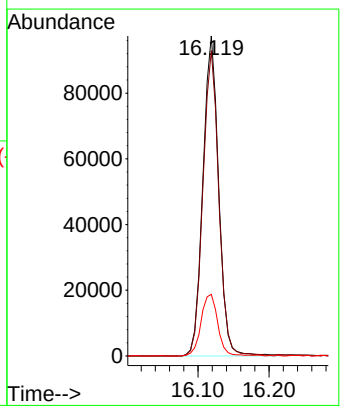


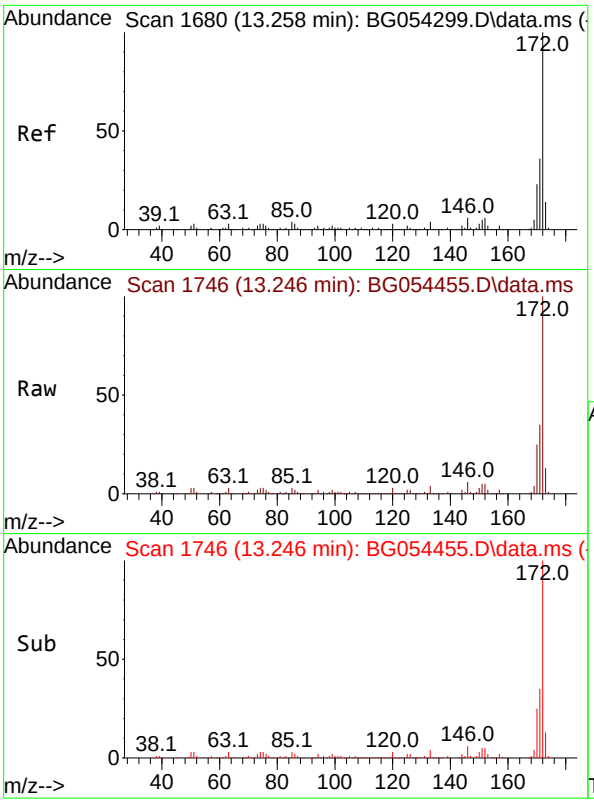




#42
2,4,6-Tribromophenol
Concen: 129.043 ng
RT: 16.119 min Scan# 2235
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:330 Resp: 150457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.8 | 76.0 | 114.0 |
| 141 | 20.4 | 27.1 | 40.7# |



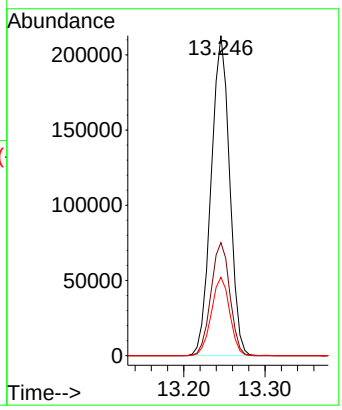


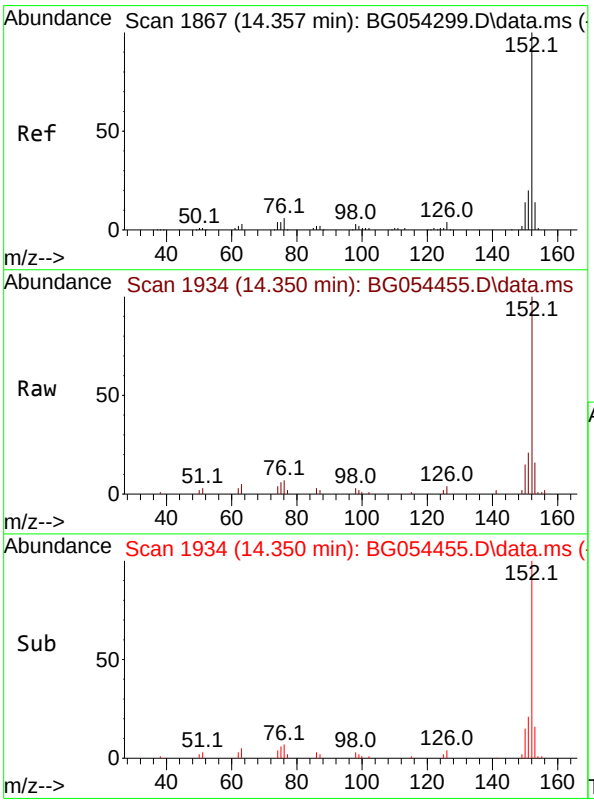

#45
2-Fluorobiphenyl
Concen: 85.253 ng
RT: 13.246 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:172 Resp: 335593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.5 | 42.7 |
| 170 | 24.5 | 18.9 | 28.3 |

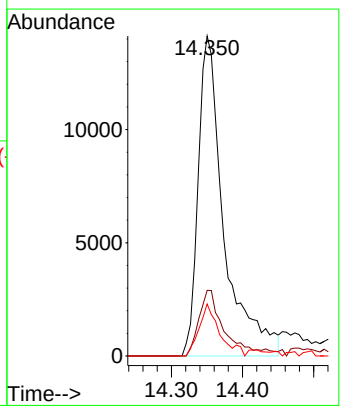


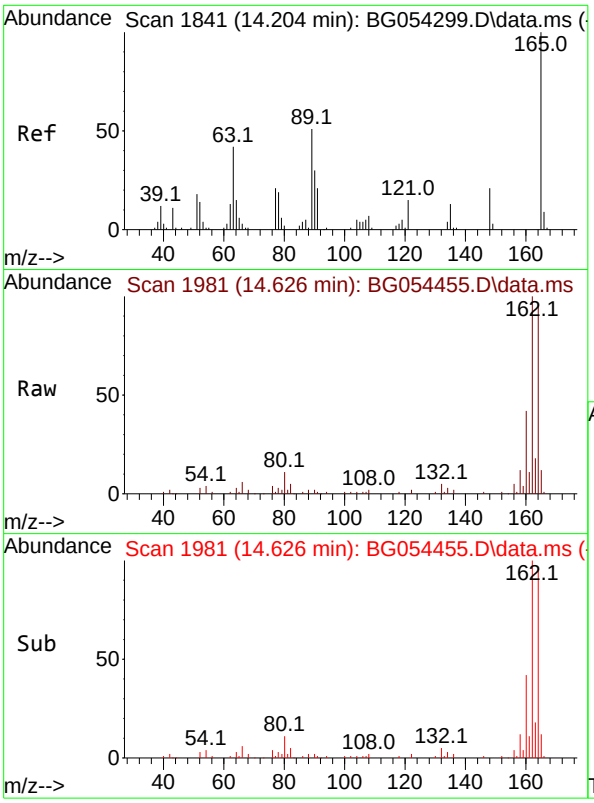




#49
Acenaphthylene
Concen: 7.566 ng
RT: 14.350 min Scan# 1934
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:152 Resp: 35742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.4 | 24.6 |
| 153 | 16.2 | 10.8 | 16.2# |



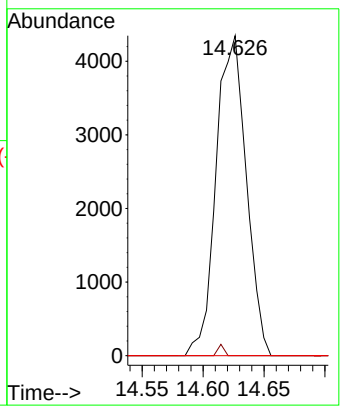


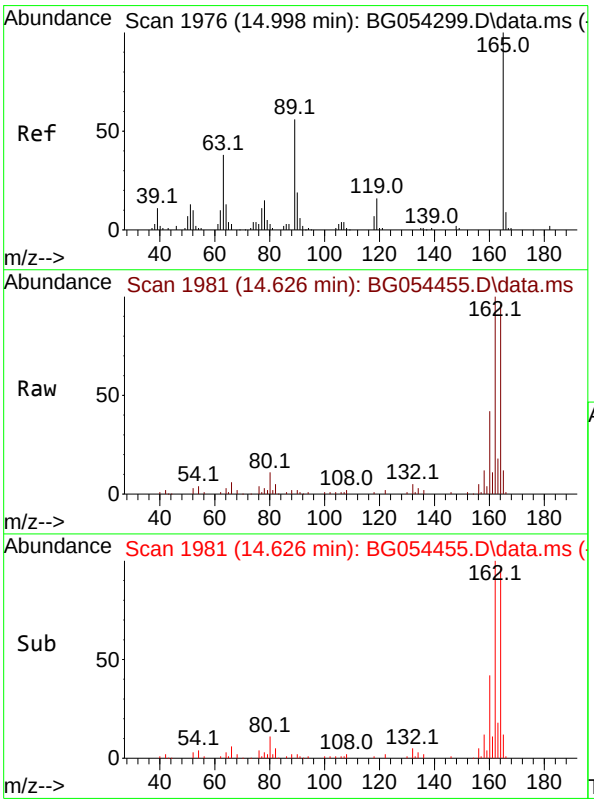

#51
2,6-Dinitrotoluene
Concen: 7.870 ng
RT: 14.626 min Scan# 1
Delta R.T. 0.428 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:165 Resp: 7487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 54.1 | 81.1# |
| 89 | 0.0 | 54.8 | 82.2# |

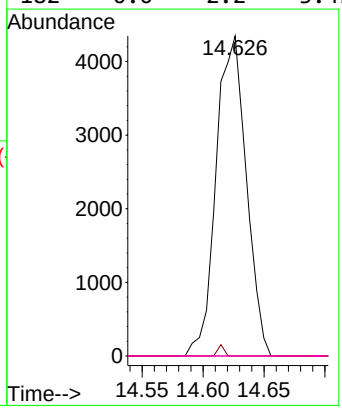


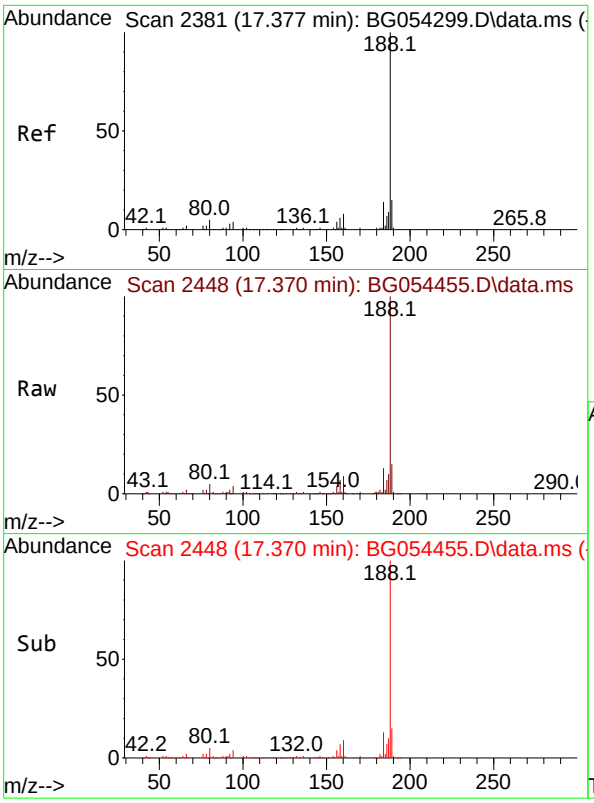




#57
2,4-Dinitrotoluene
Concen: 5.489 ng
RT: 14.626 min Scan# 1981
Delta R.T. -0.366 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:165 Resp: 7487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 34.6 | 52.0# |
| 89 | 0.0 | 60.3 | 90.5# |
| 182 | 0.0 | 2.2 | 3.4# |



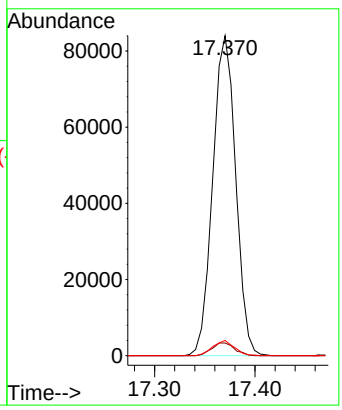


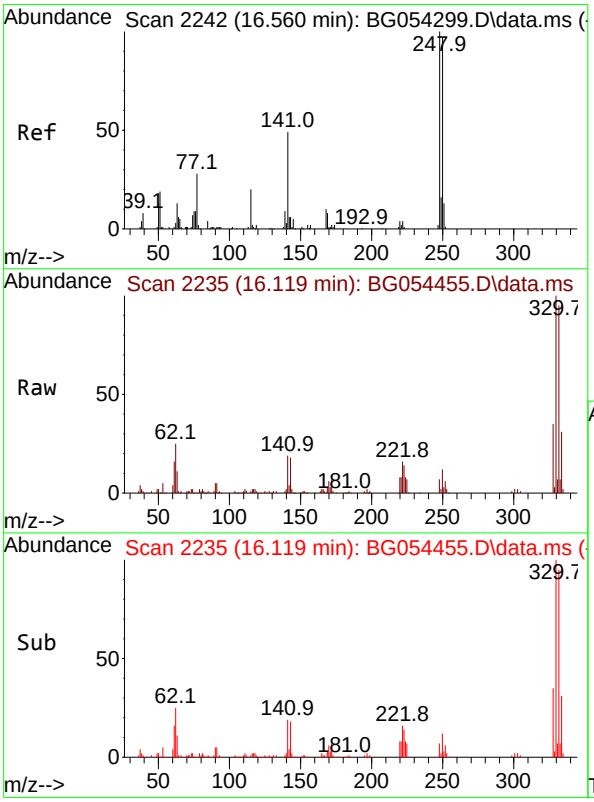

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.370 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:188 Resp: 133131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.0 | 5.4 | 8.0# |
| 80 | 4.7 | 6.8 | 10.2# |

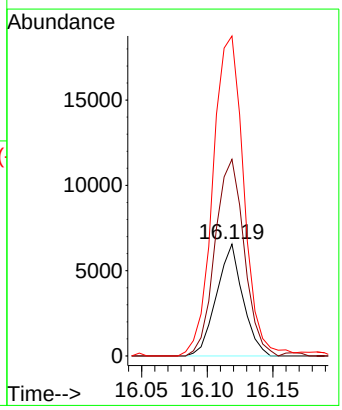


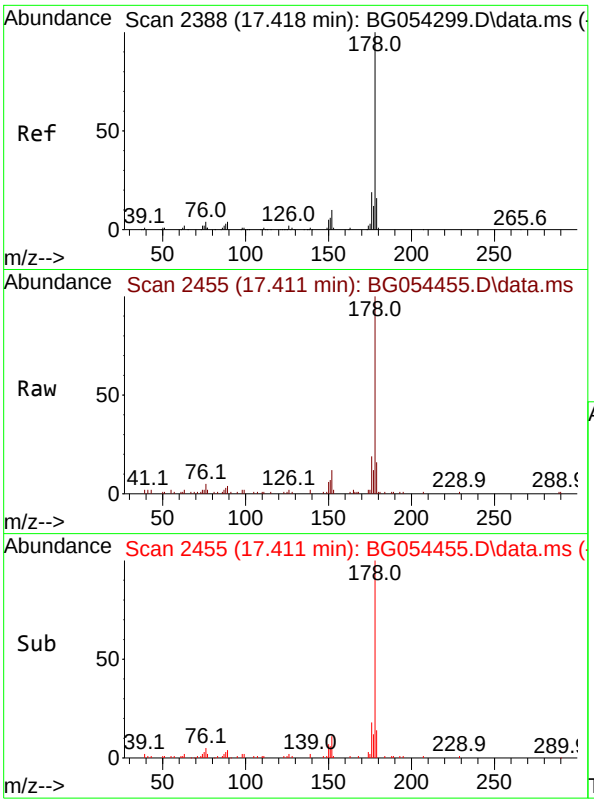




#67
4-Bromophenyl-phenylether
Concen: 4.896 ng
RT: 16.119 min Scan# 2235
Delta R.T. -0.436 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:248 Resp: 9155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 175.7 | 75.2 | 112.8# |
| 141 | 285.9 | 50.0 | 75.0# |



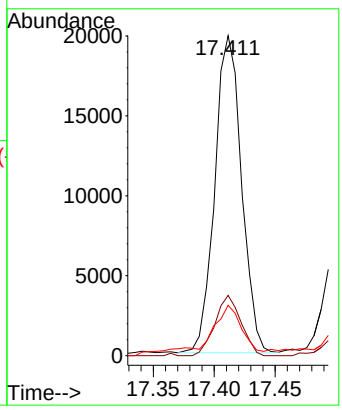


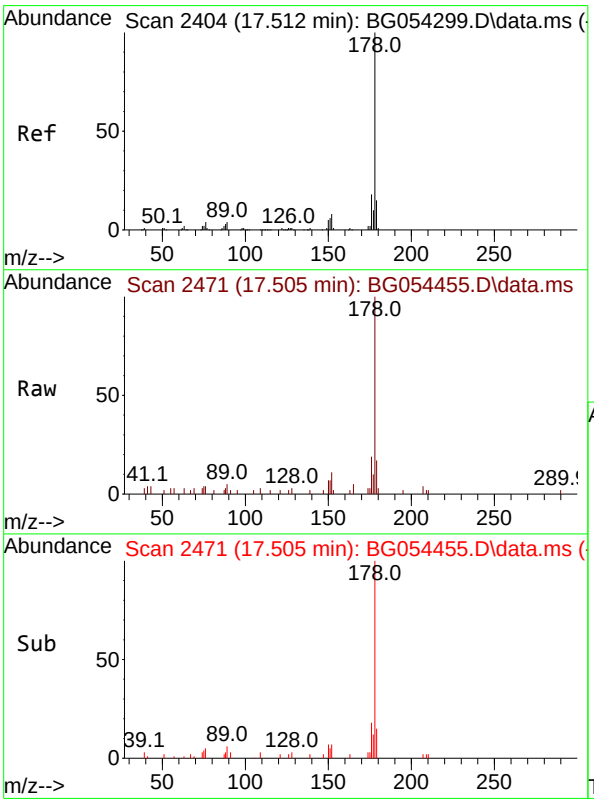

#71
Phenanthrene
Concen: 4.570 ng
RT: 17.411 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:178 Resp: 30301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.1 | 21.1 |
| 179 | 15.7 | 12.1 | 18.1 |

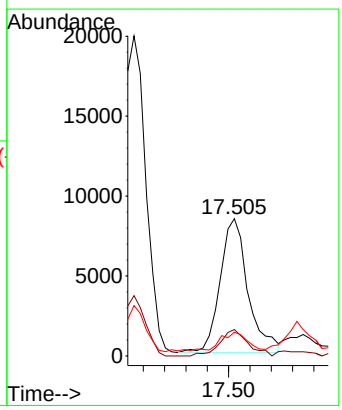


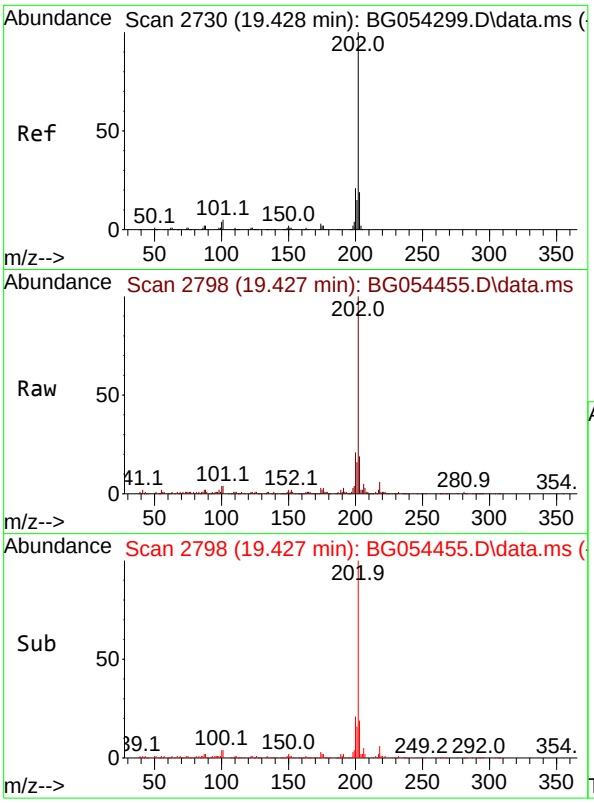




#72
Anthracene
Concen: 2.346 ng
RT: 17.505 min Scan# 2471
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:178 Resp: 15266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.2 | 22.8 |
| 179 | 17.2 | 13.0 | 19.4 |



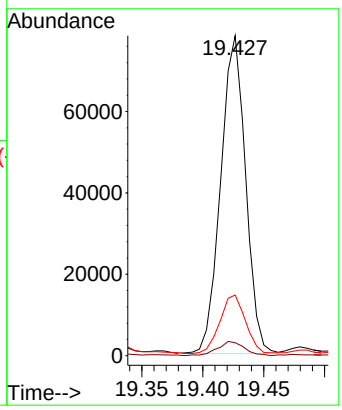


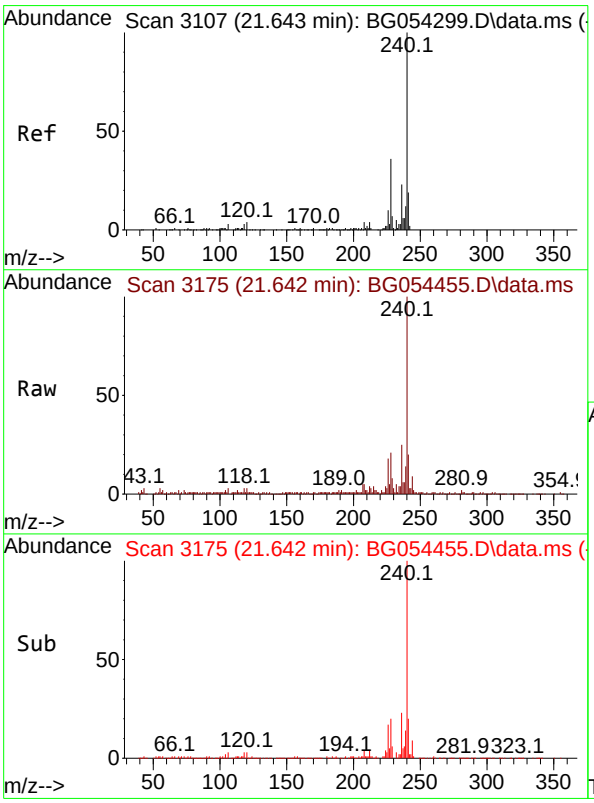

#75
Fluoranthene
Concen: 12.287 ng
RT: 19.427 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:202 Resp: 111043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 4.1 | 0.0 | 26.9 |
| 203 | 19.0 | 0.0 | 37.2 |

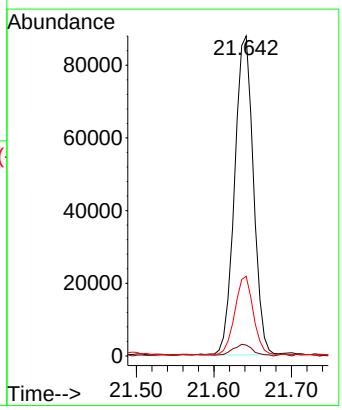


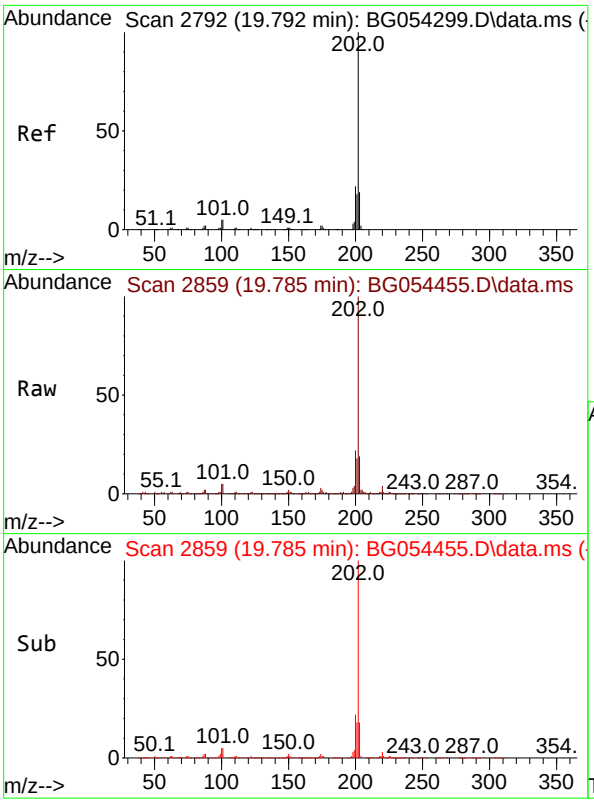




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.642 min Scan# 3175
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:240 Resp: 148094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 3.4 | 4.6 | 7.0# |
| 236 | 24.9 | 20.2 | 30.4 |



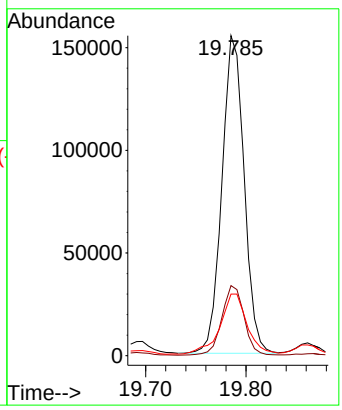


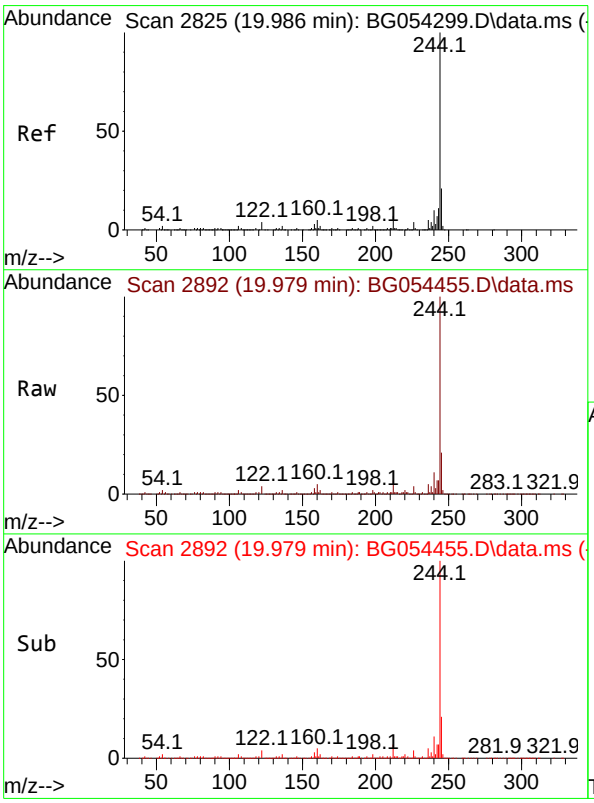

#78
Pyrene
Concen: 27.971 ng
RT: 19.785 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:202 Resp: 237683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.9 | 16.6 | 24.8 |
| 203 | 19.2 | 14.6 | 21.8 |

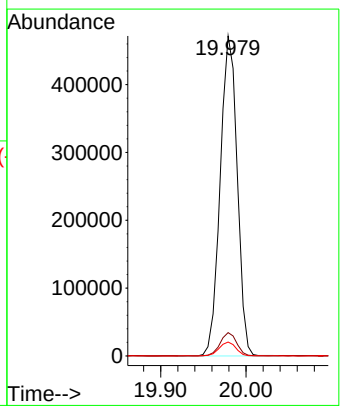


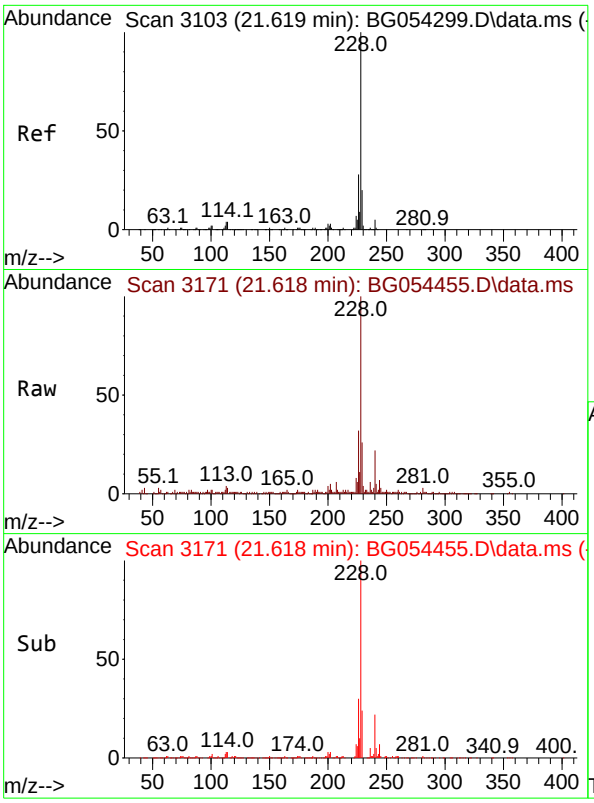




#79
Terphenyl-d14
Concen: 87.705 ng
RT: 19.979 min Scan# 2892
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:244 Resp: 654735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.5 | 9.7 |
| 122 | 4.3 | 5.0 | 7.4# |



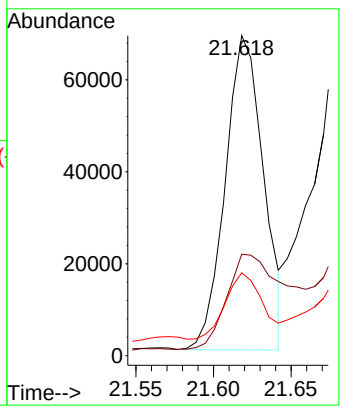


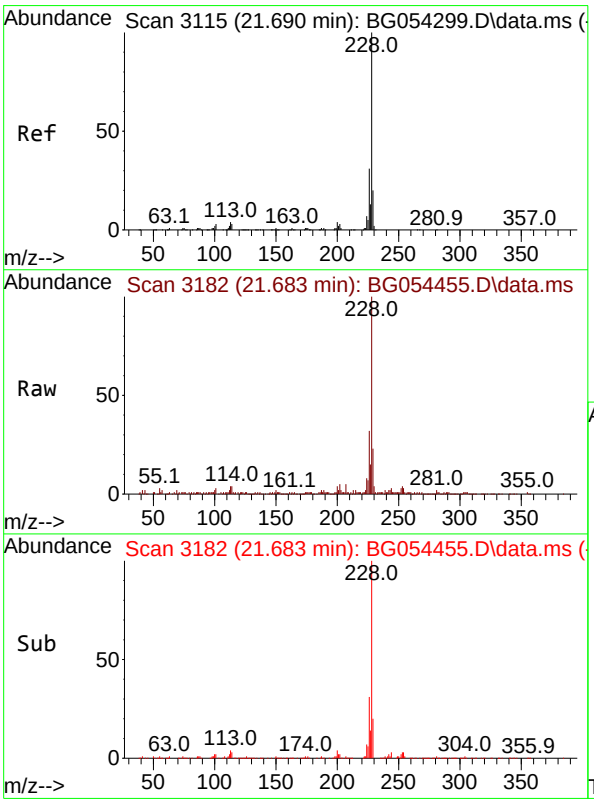

#81
Benzo(a)anthracene
Concen: 12.492 ng
RT: 21.618 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:228 Resp: 117439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 21.6 | 32.4 |
| 229 | 25.9 | 16.2 | 24.2# |

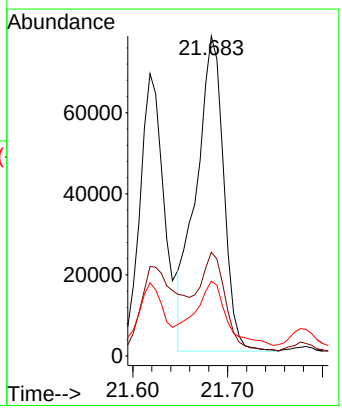


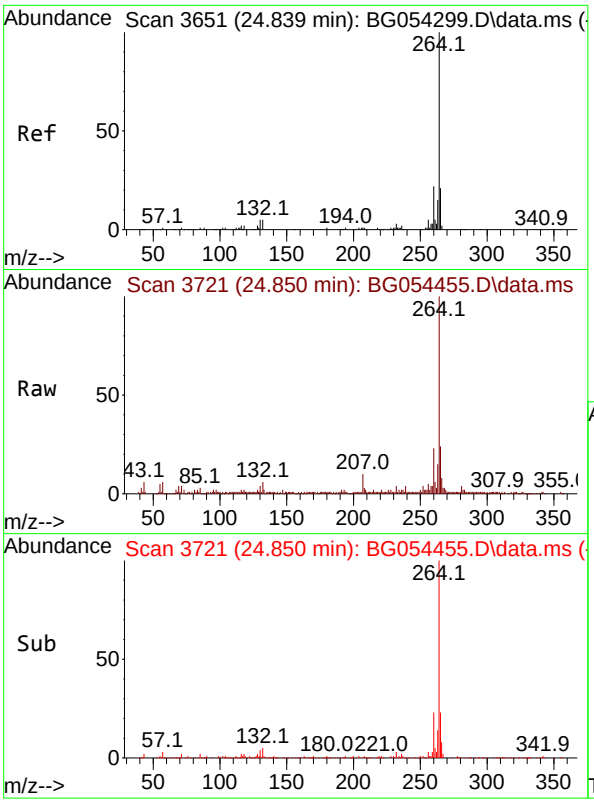




#83
Chrysene
Concen: 17.675 ng
RT: 21.683 min Scan# 3182
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:228 Resp: 156981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.4 | 23.4 | 35.2 |
| 229 | 23.3 | 15.5 | 23.3# |



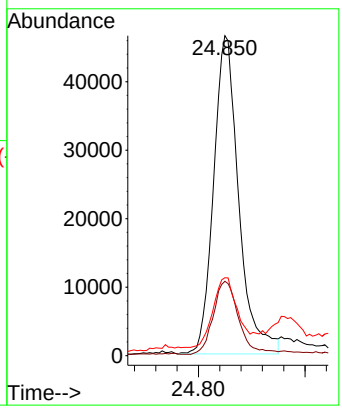


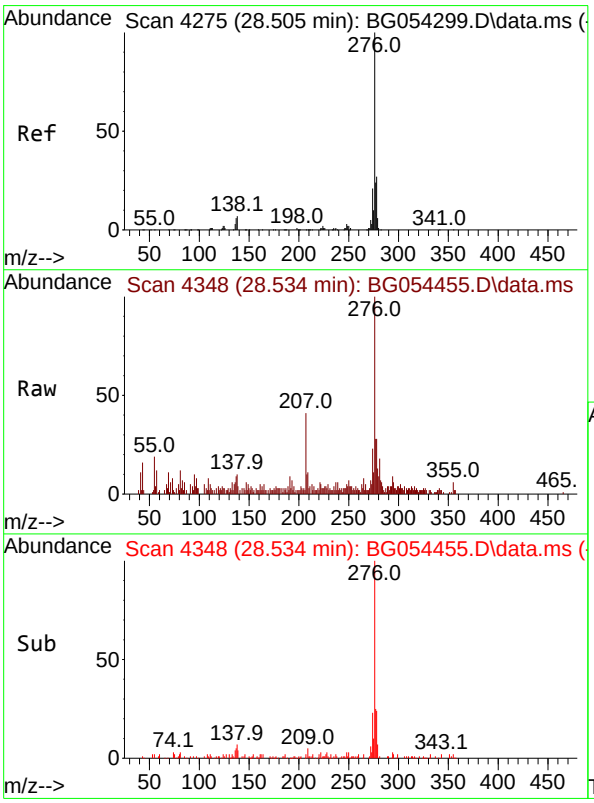

#86
Perylene-d12
Concen: 20.000 ng
RT: 24.850 min Scan# 3
Delta R.T. 0.016 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:264 Resp: 152422

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.0 | 28.6 |
| 265 | 24.4 | 17.4 | 26.2 |

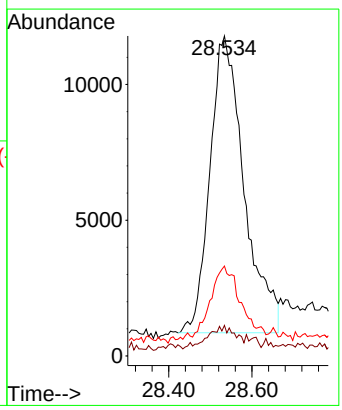


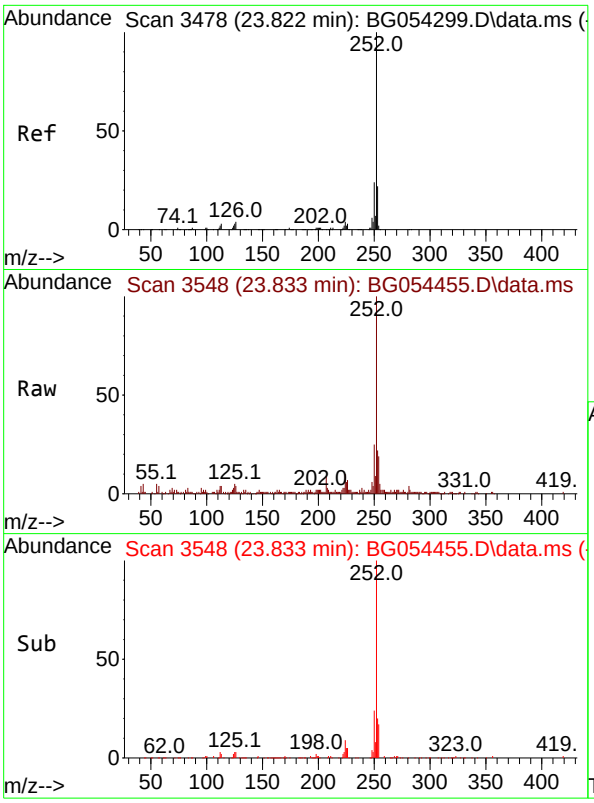




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.381 ng
RT: 28.534 min Scan# 4348
Delta R.T. 0.016 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:276 Resp: 62391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 2.0 | 5.0 | 7.4# |
| 277 | 21.6 | 20.3 | 30.5 |



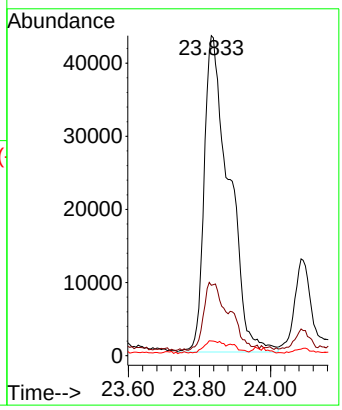


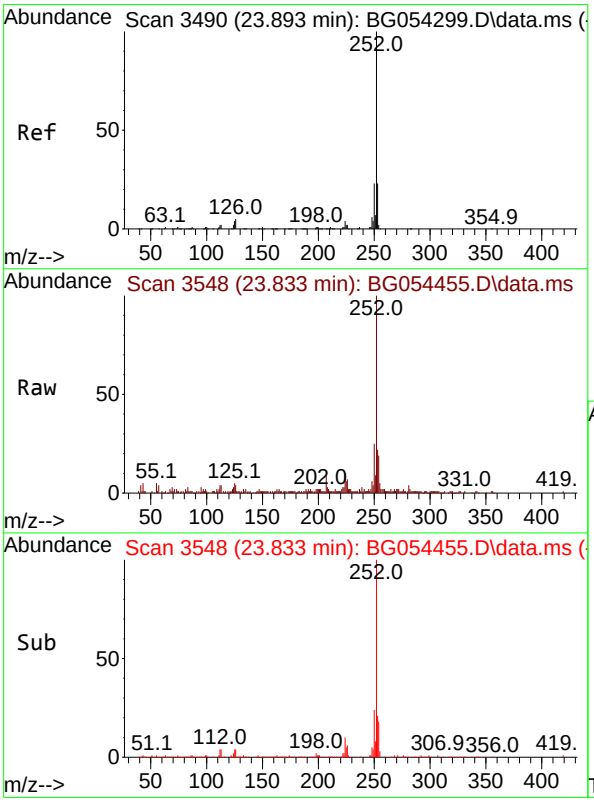

#88
Benzo(b)fluoranthene
Concen: 23.362 ng
RT: 23.833 min Scan# 3
Delta R.T. 0.010 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:252 Resp: 210583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 18.0 | 27.0 |
| 125 | 4.6 | 4.6 | 6.8 |

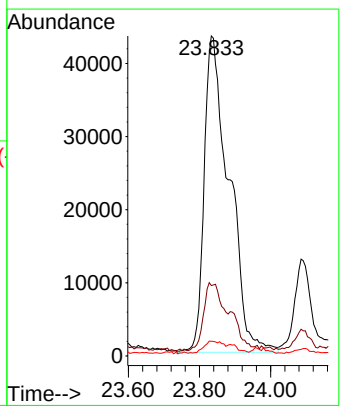


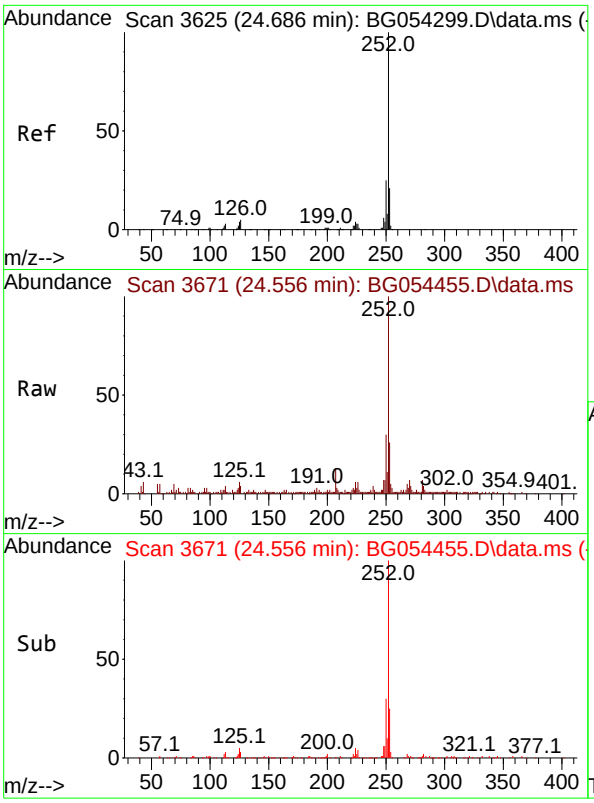




#89
Benzo(k)fluoranthene
Concen: 23.474 ng
RT: 23.833 min Scan# 3548
Delta R.T. -0.054 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:252 Resp: 210583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 18.4 | 27.6 |
| 125 | 4.6 | 4.8 | 7.2# |



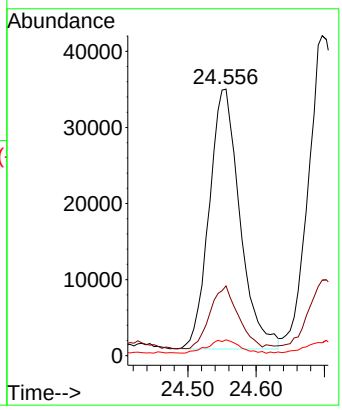


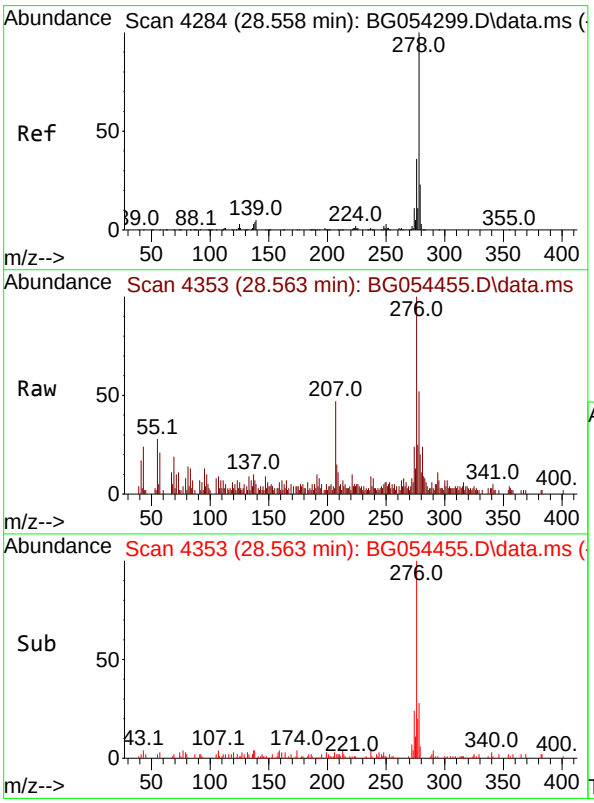

#90
Benzo(a)pyrene
Concen: 13.902 ng
RT: 24.556 min Scan# 3
Delta R.T. -0.131 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:252 Resp: 107021

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.2 | 17.8 | 26.8 |
| 125 | 6.0 | 4.3 | 6.5 |

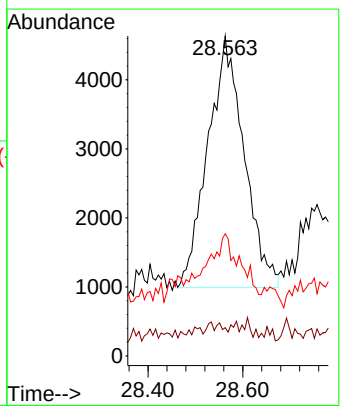


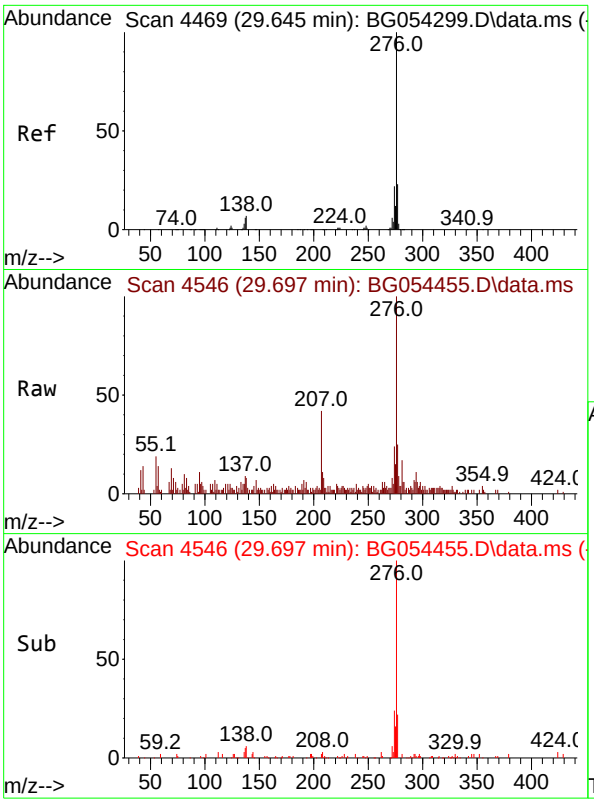




#91
Dibenzo(a,h)anthracene
Concen: 2.034 ng
RT: 28.563 min Scan# 4353
Delta R.T. -0.001 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

Tgt Ion:278 Resp: 19390

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 8.8 | 7.2 | 10.8 |
| 279 | 38.2 | 18.6 | 27.8# |






#92
Benzo(g,h,i)perylene
Concen: 6.967 ng
RT: 29.697 min Scan# 4
Delta R.T. 0.034 min
Lab File: BG054455.D
Acq: 29 Jul 2022 18:57

**Instrument :**
BNA_G
**ClientSampleId :**
RVE-24

Tgt Ion:276 Resp: 65564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.1 | 17.3 | 25.9 |
| 138 | 8.2 | 9.6 | 14.4# |