Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101821\
Data File : BG050617.D
Acq On : 18 Oct 2021 14:45
Operator : CG/JU
Sample : M4259-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** WC-1-BD

Quant Time: Oct 18 15:35:04 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.258 | 152 | 42299 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.085 | 136 | 176923 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 14.874 | 164 | 112895 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.618 | 188 | 253580 | 20.000 | ng | # 0.00 |
| 76) Chrysene-d12 | 21.919 | 240 | 233069 | 20.000 | ng | # 0.00 |
| 86) Perylene-d12 | 25.333 | 264 | 234087 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.797 | 112 | 265252 | 93.783 | ng | 0.00 |
| 7) Phenol-d6 | 7.395 | 99 | 357516 | 87.306 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.428 | 82 | 259608 | 60.742 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.355 | 330 | 97829 | 90.850 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.499 | 172 | 442144 | 58.943 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.203 | 244 | 700056 | 58.536 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 9) Benzaldehyde | 7.395 | 77 | 779 | Below Cal | # | 10 |
| 19) n-Nitroso-di-n-propyla... | 9.428 | 70 | 35834 | 12.006 | ng | # 74 |
| 51) 2,6-Dinitrotoluene | 14.874 | 165 | 14365 | 8.405 | ng | # 12 |
| 57) 2,4-Dinitrotoluene | 14.874 | 165 | 14365 | 5.963 | ng | # 17 |
| 67) 4-Bromophenyl-phenylether | 16.361 | 248 | 7973 | 3.120 | ng | # 1 |

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

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Misc :
ALS Vial : 8 Sample Multiplier: 1

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BNA_G
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 14 10:56:22 2021
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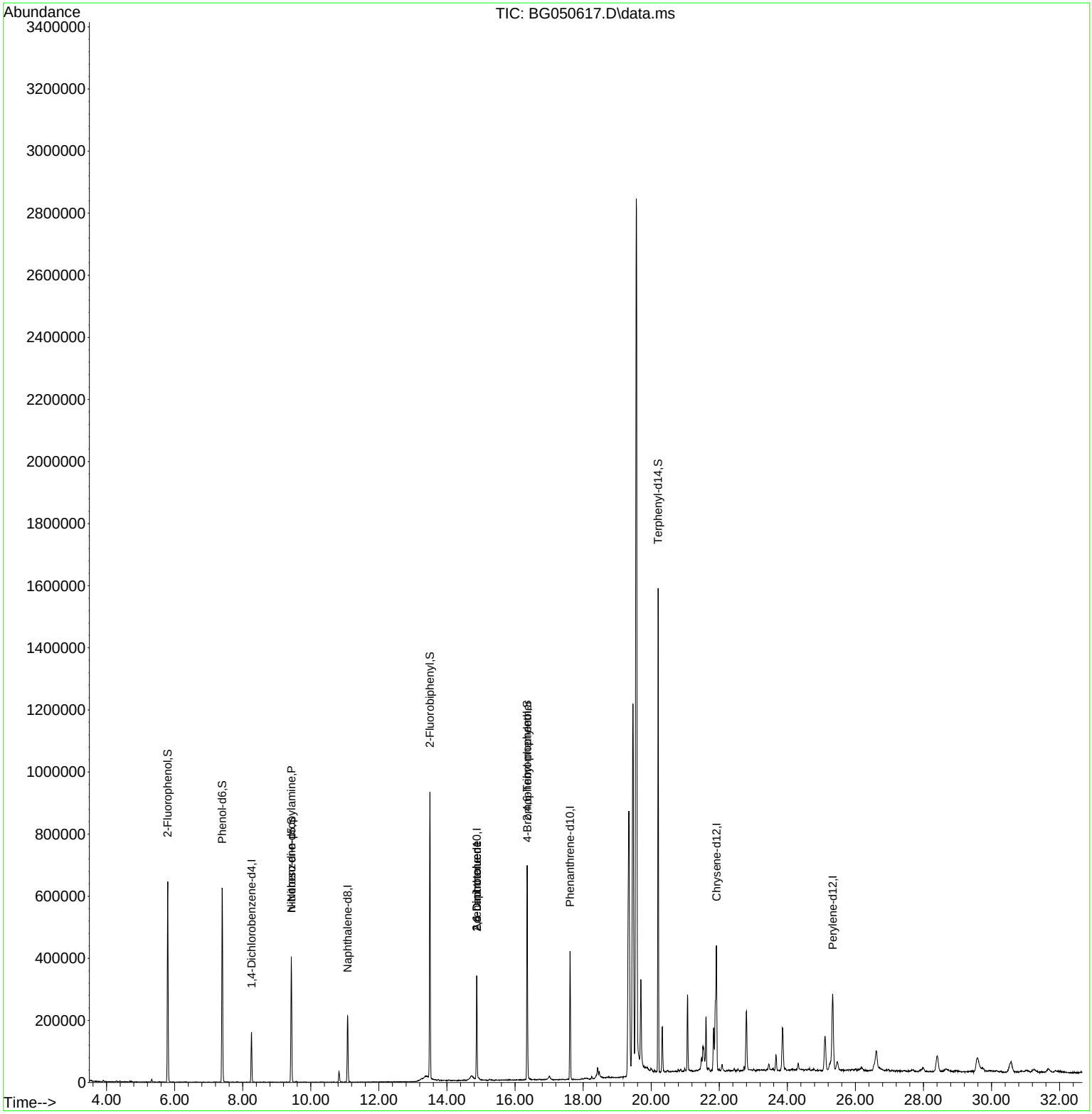
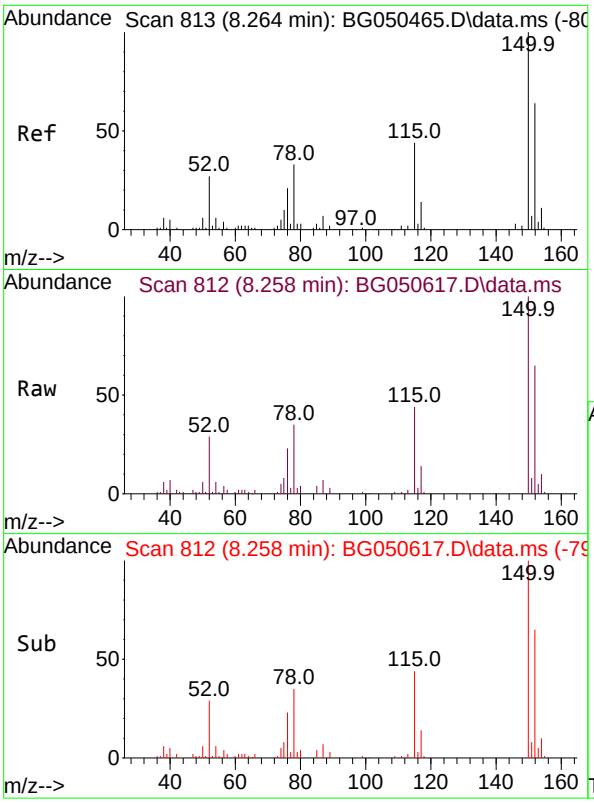


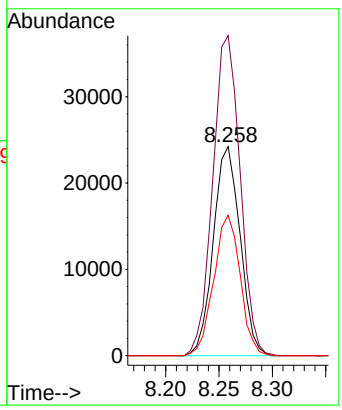
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

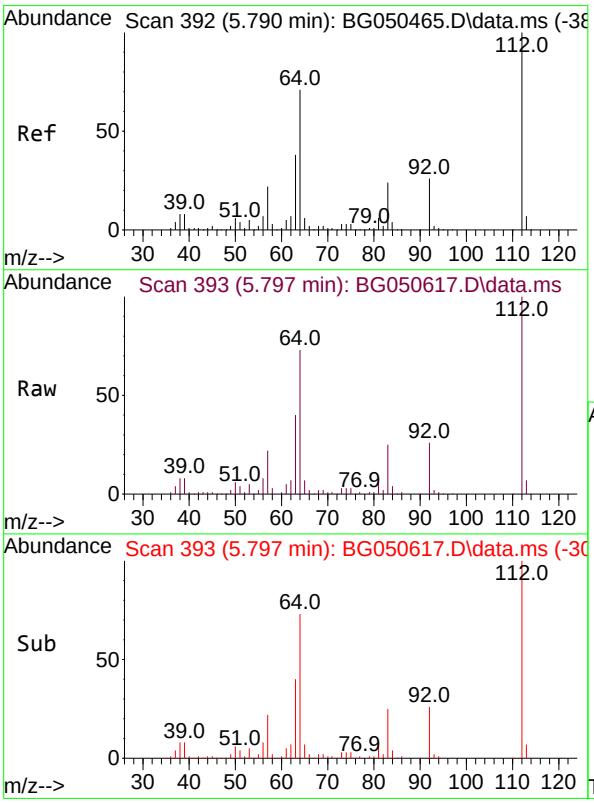



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.258 min Scan# 812
Delta R.T. 0.000 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:152 Resp: 42299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.0 | 119.4 | 179.0 |
| 115 | 67.2 | 60.2 | 90.4 |

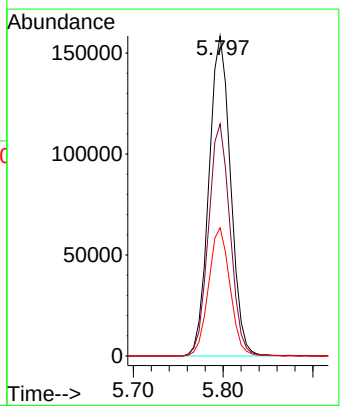


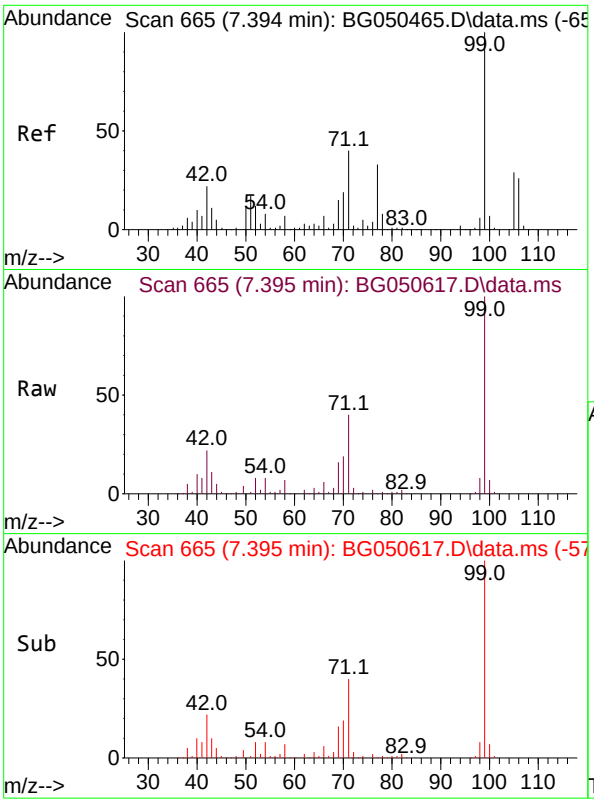




#5
2-Fluorophenol
Concen: 93.783 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:112 Resp: 265252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 72.5 | 46.7 | 70.1# |
| 63 | 40.0 | 35.3 | 52.9 |

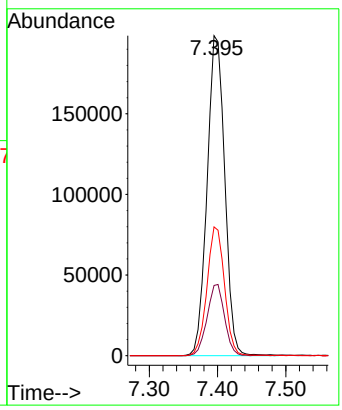




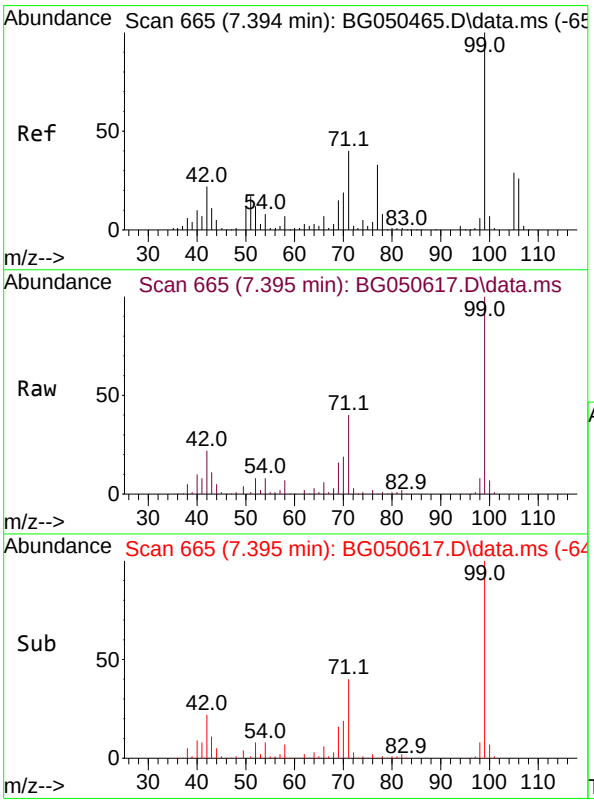

#7
Phenol-d6
Concen: 87.306 ng
RT: 7.395 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion: 99 Resp: 357516

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.0 | 20.5 | 30.7 |
| 71 | 40.2 | 41.5 | 62.3# |



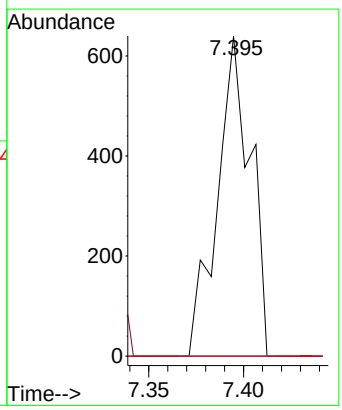

**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD



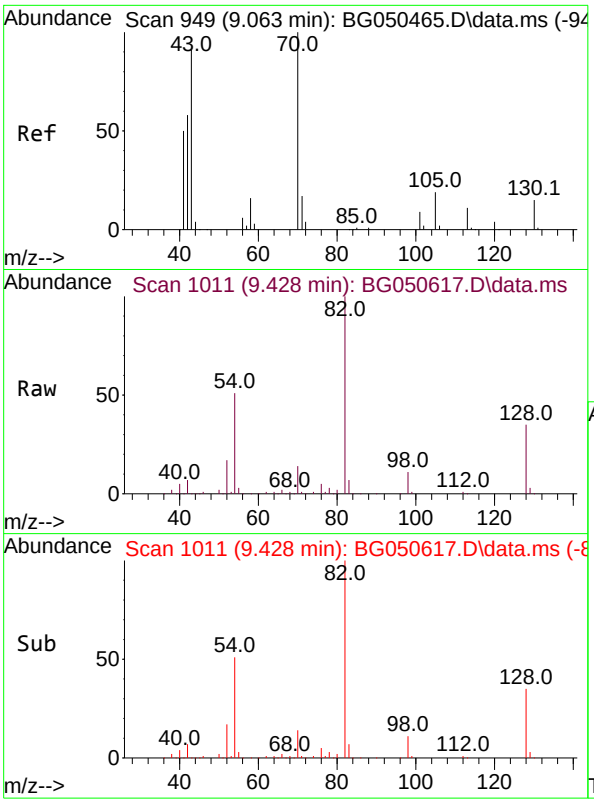

#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion: 77 Resp: 779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 68.8 | 108.8# |
| 106 | 0.0 | 47.9 | 87.9# |



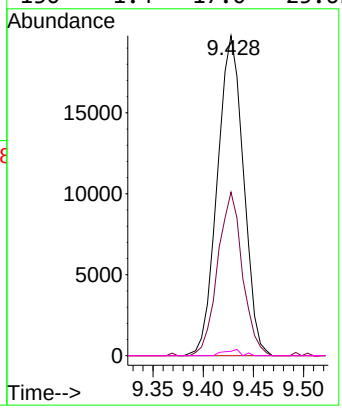
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

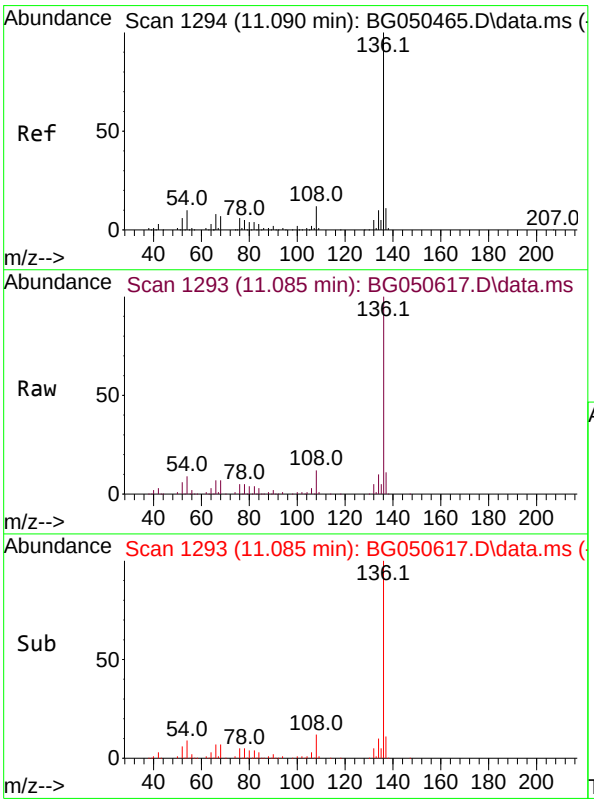



#19
n-Nitroso-di-n-propylamine
Concen: 12.006 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.370 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion: 70 Resp: 35834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 51.1 | 54.5 | 81.7# |
| 101 | 0.0 | 9.0 | 13.6# |
| 130 | 1.4 | 17.0 | 25.6# |

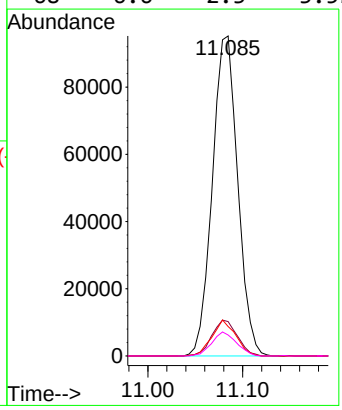


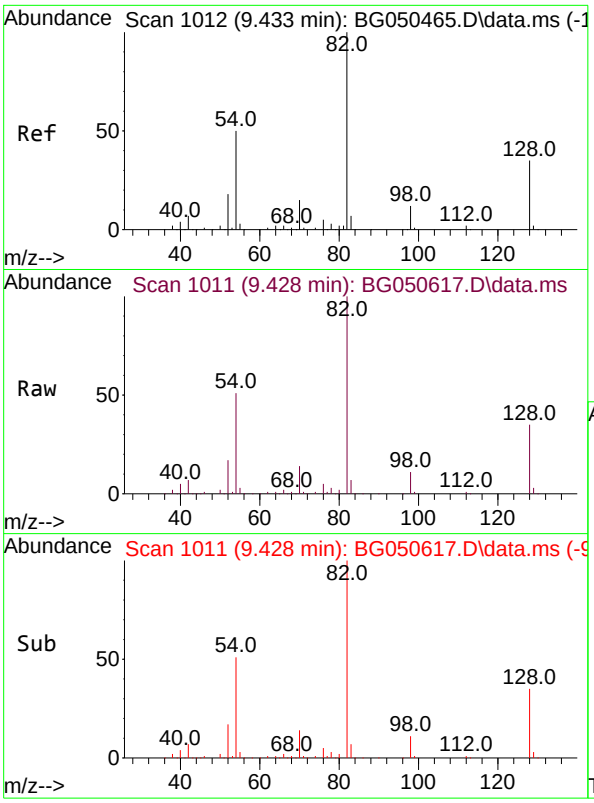

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:136 Resp: 176923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.2 | 12.2 |
| 54 | 9.2 | 5.5 | 8.3# |
| 68 | 6.6 | 2.3 | 3.5# |



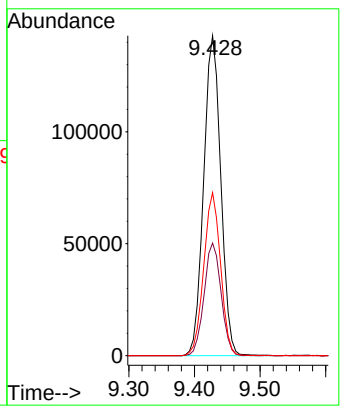
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

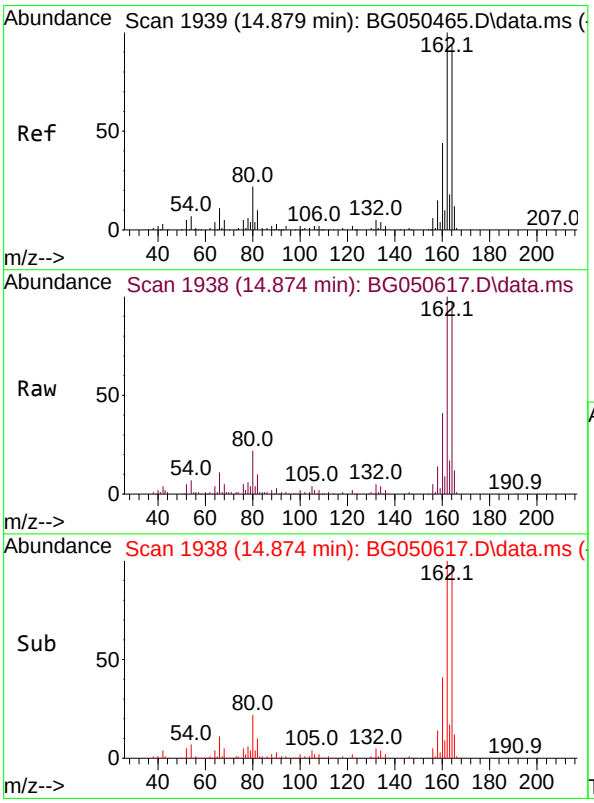



#23
Nitrobenzene-d5
Concen: 60.742 ng
RT: 9.428 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion: 82 Resp: 259608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.2 | 29.8 | 44.6 |
| 54 | 50.9 | 45.8 | 68.8 |

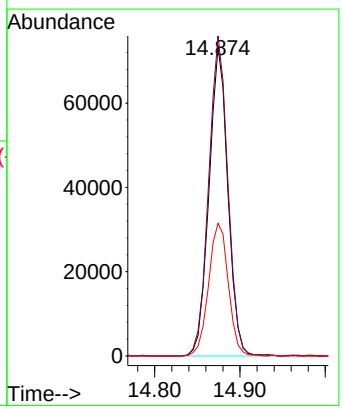


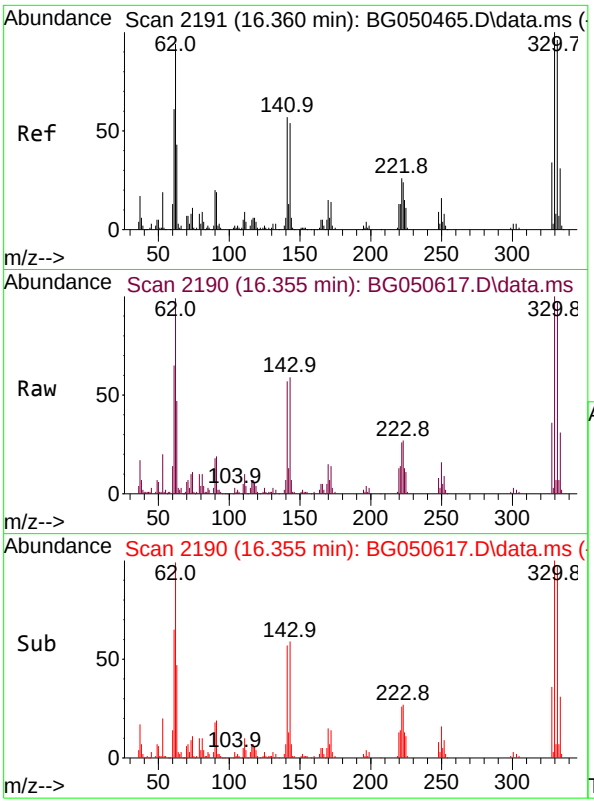

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:164 Resp: 112895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.6 | 81.4 | 122.0 |
| 160 | 43.0 | 34.9 | 52.3 |



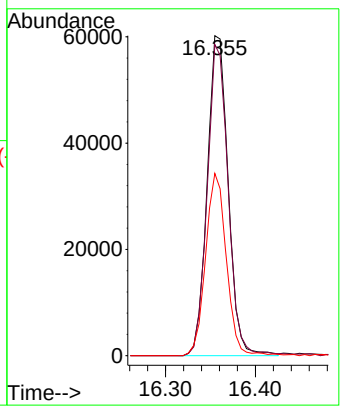
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

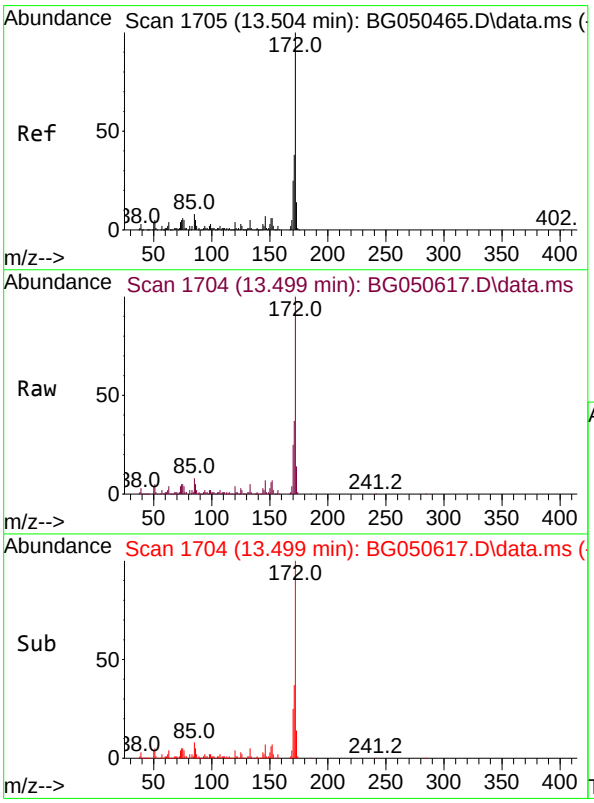



#42
2,4,6-Tribromophenol
Concen: 90.850 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:330 Resp: 97829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.3 | 115.9 |
| 141 | 56.5 | 35.6 | 53.4# |

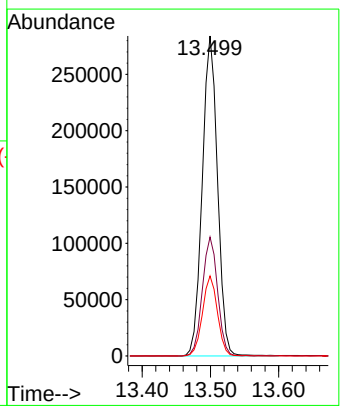


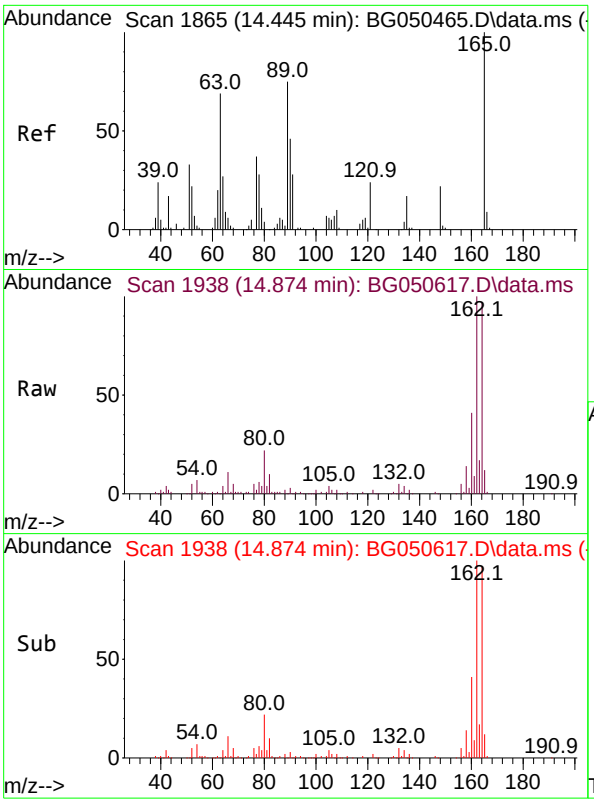

#45
2-Fluorobiphenyl
Concen: 58.943 ng
RT: 13.499 min Scan# 1704
Delta R.T. -0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:172 Resp: 442144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.2 | 28.6 | 43.0 |
| 170 | 25.0 | 18.6 | 27.8 |



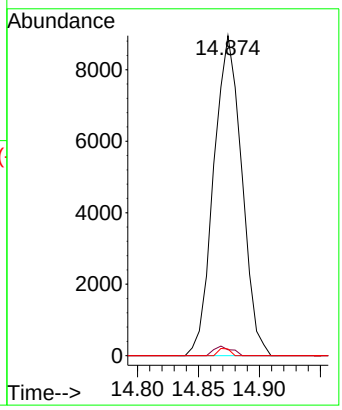
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

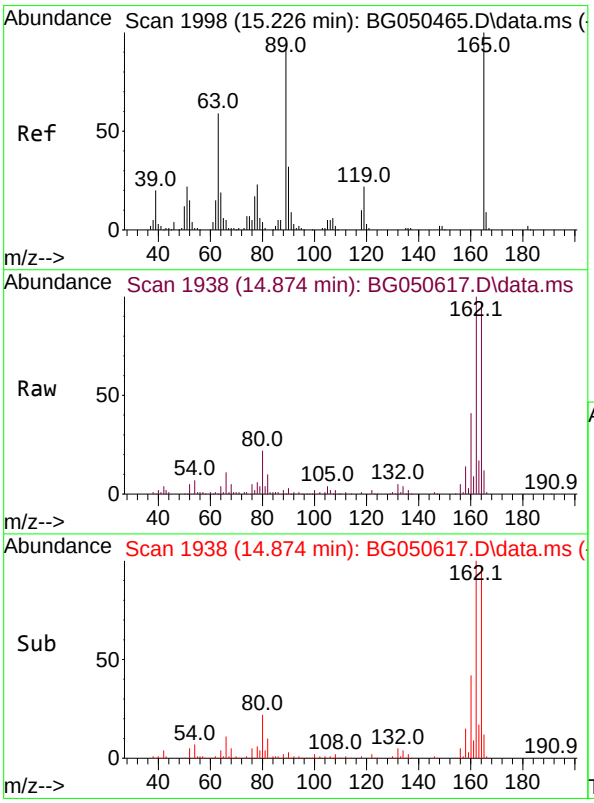



#51
2,6-Dinitrotoluene
Concen: 8.405 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.429 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:165 Resp: 14365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.8 | 63.3 | 94.9# |
| 89 | 2.1 | 63.4 | 95.0# |

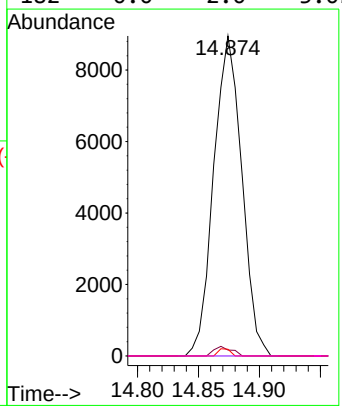


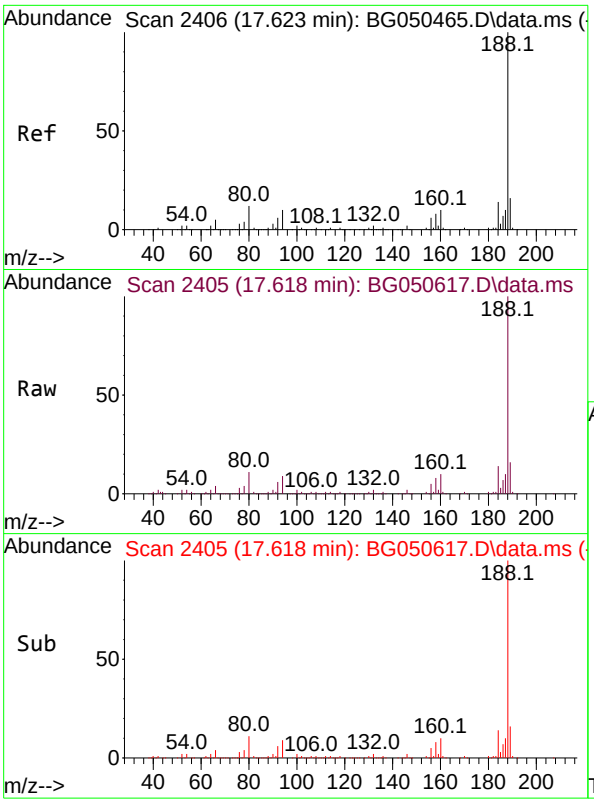

#57
2,4-Dinitrotoluene
Concen: 5.963 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.352 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:165 Resp: 14365

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.8 | 48.0 | 72.0# |
| 89 | 2.1 | 65.4 | 98.0# |
| 182 | 0.0 | 2.0 | 3.0# |



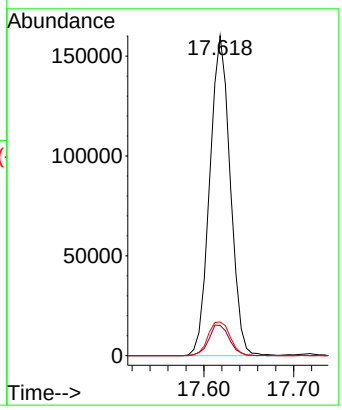
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

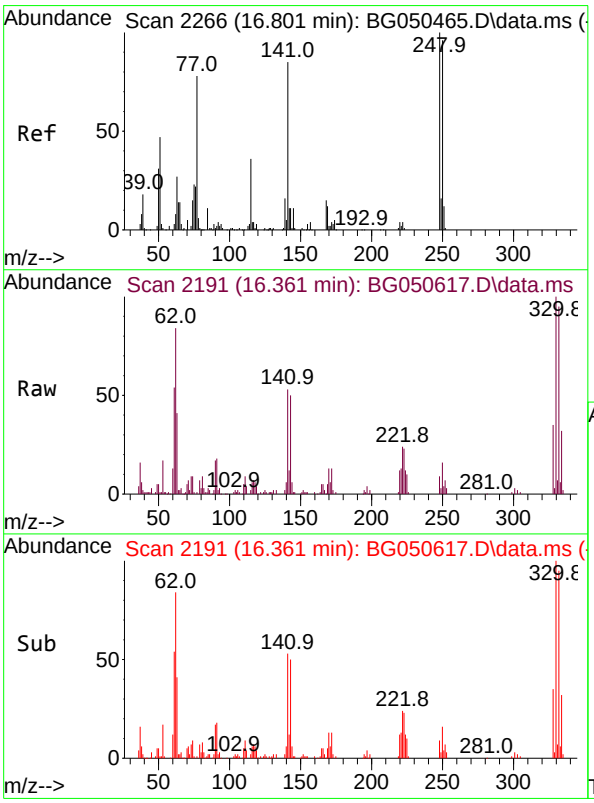



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:188 Resp: 253580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 5.4 | 8.0# |
| 80 | 10.6 | 3.7 | 5.5# |

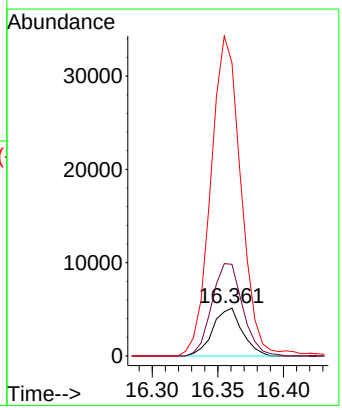


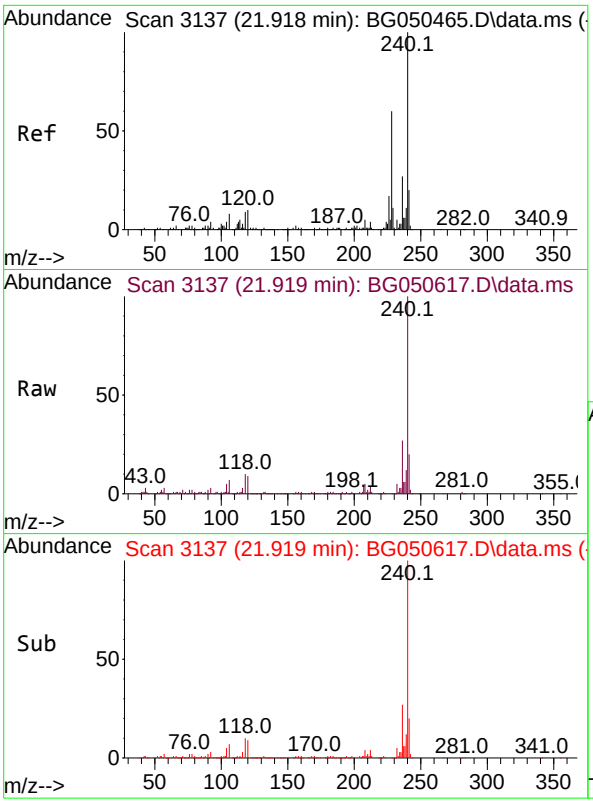

#67
4-Bromophenyl-phenylether
Concen: 3.120 ng
RT: 16.361 min Scan# 2191
Delta R.T. -0.441 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:248 Resp: 7973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 191.9 | 76.1 | 114.1# |
| 141 | 613.5 | 65.4 | 98.2# |



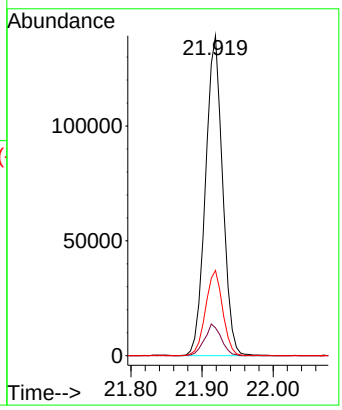
**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD

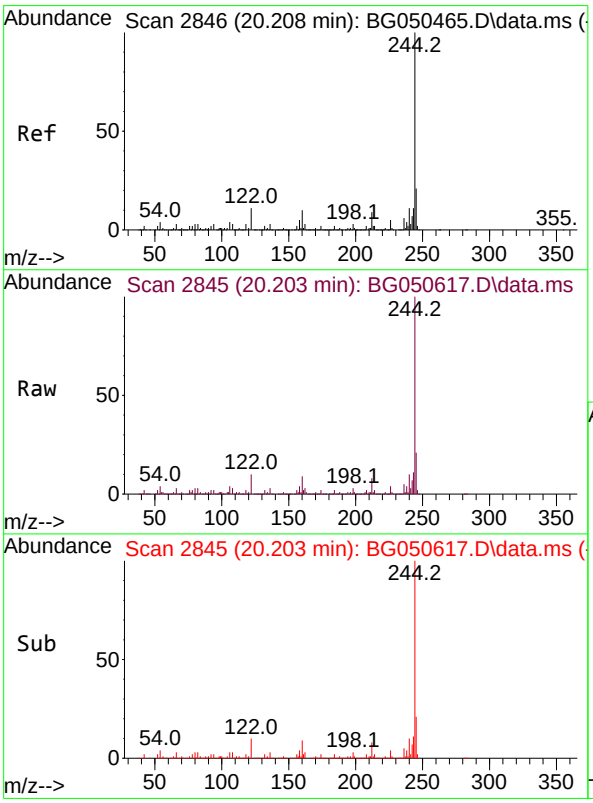



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:240 Resp: 233069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.7 | 4.2 | 6.2# |
| 236 | 26.7 | 21.8 | 32.6 |

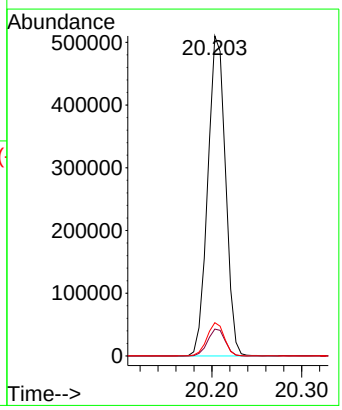


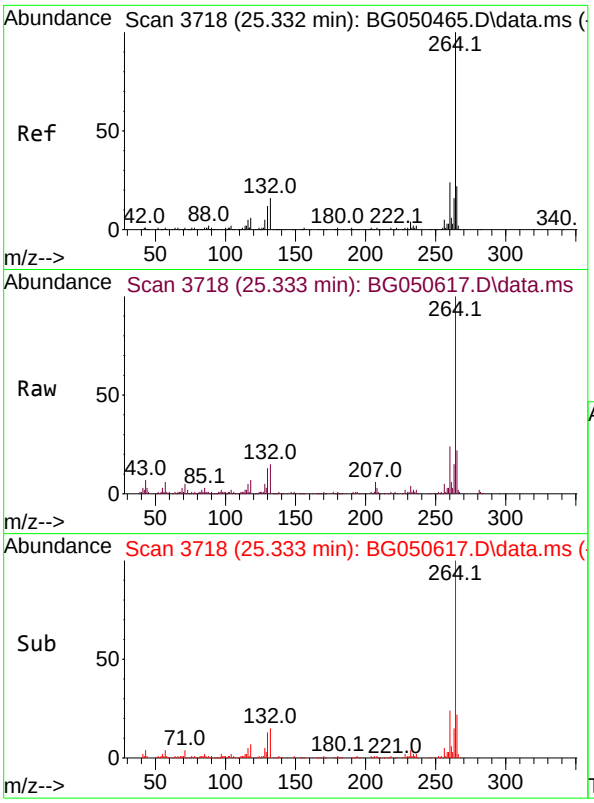




#79
Terphenyl-d14
Concen: 58.536 ng
RT: 20.203 min Scan# 2845
Delta R.T. -0.006 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:244 Resp: 700056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 6.9 | 10.3 |
| 122 | 10.4 | 5.0 | 7.6# |

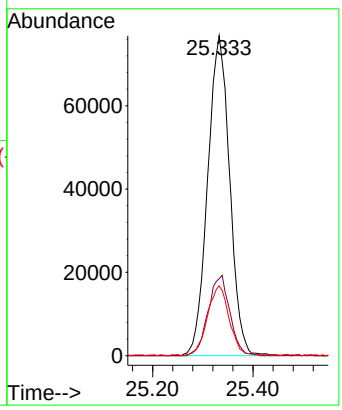





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.333 min Scan# 3718
Delta R.T. 0.000 min
Lab File: BG050617.D
Acq: 18 Oct 2021 14:45

Tgt Ion:264 Resp: 234087

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.4 | 29.2 |
| 265 | 21.8 | 16.9 | 25.3 |




**Instrument :**
BNA_G
**ClientSampleId :**
WC-1-BD