Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022221\
Data File : BN013731.D
Acq On : 22 Feb 2021 15:16
Operator : CG/JU
Sample : M1457-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** GWBR1-85-100-021921

Quant Time: Feb 22 15:48:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN020821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 18 10:50:10 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.547 | 152 | 4658 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.302 | 136 | 18604 | 0.40 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.181 | 164 | 10947 | 0.40 | ng | 0.00 |
| 19) Phenanthrene-d10 | 16.934 | 188 | 23734 | 0.40 | ng | # 0.00 |
| 29) Chrysene-d12 | 21.144 | 240 | 24292 | 0.40 | ng | # 0.01 |
| 36) Perylene-d12 | 23.308 | 264 | 24065 | 0.40 | ng | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.188 | 112 | 2061 | 0.20 | ng | 0.00 |
| 5) Phenol-d6 | 6.742 | 99 | 1437 | 0.11 | ng | 0.02 |
| 8) Nitrobenzene-d5 | 8.680 | 82 | 3988 | 0.39 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.902 | 152 | 10060 | 0.35 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.678 | 330 | 1510 | 0.48 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.798 | 172 | 15036 | 0.37 | ng | 0.00 |
| 27) Fluoranthene-d10 | 18.975 | 212 | 23953 | 0.37 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.585 | 244 | 22224 | 0.41 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.174 | 88 | 1620 | 0.31 | ng | # 69 |
| 9) Naphthalene | 10.353 | 128 | 4879 | 0.11 | ng | 95 |
| 12) 2-Methylnaphthalene | 11.973 | 142 | 836 | 0.03 | ng | # 91 |
| 16) Acenaphthylene | 13.889 | 152 | 2607 | 0.06 | ng | 96 |
| 18) Fluorene | 15.234 | 166 | 757 | 0.02 | ng | # 96 |
| 25) Phenanthrene | 16.970 | 178 | 5095 | 0.08 | ng | 99 |
| 28) Fluoranthene | 19.005 | 202 | 2405 | 0.03 | ng | # 95 |
| 30) Pyrene | 19.367 | 202 | 2151 | 0.03 | ng | # 95 |
| 34) Bis(2-ethylhexyl)phtha... | 21.069 | 149 | 5320 | 0.28 | ng | # 96 |

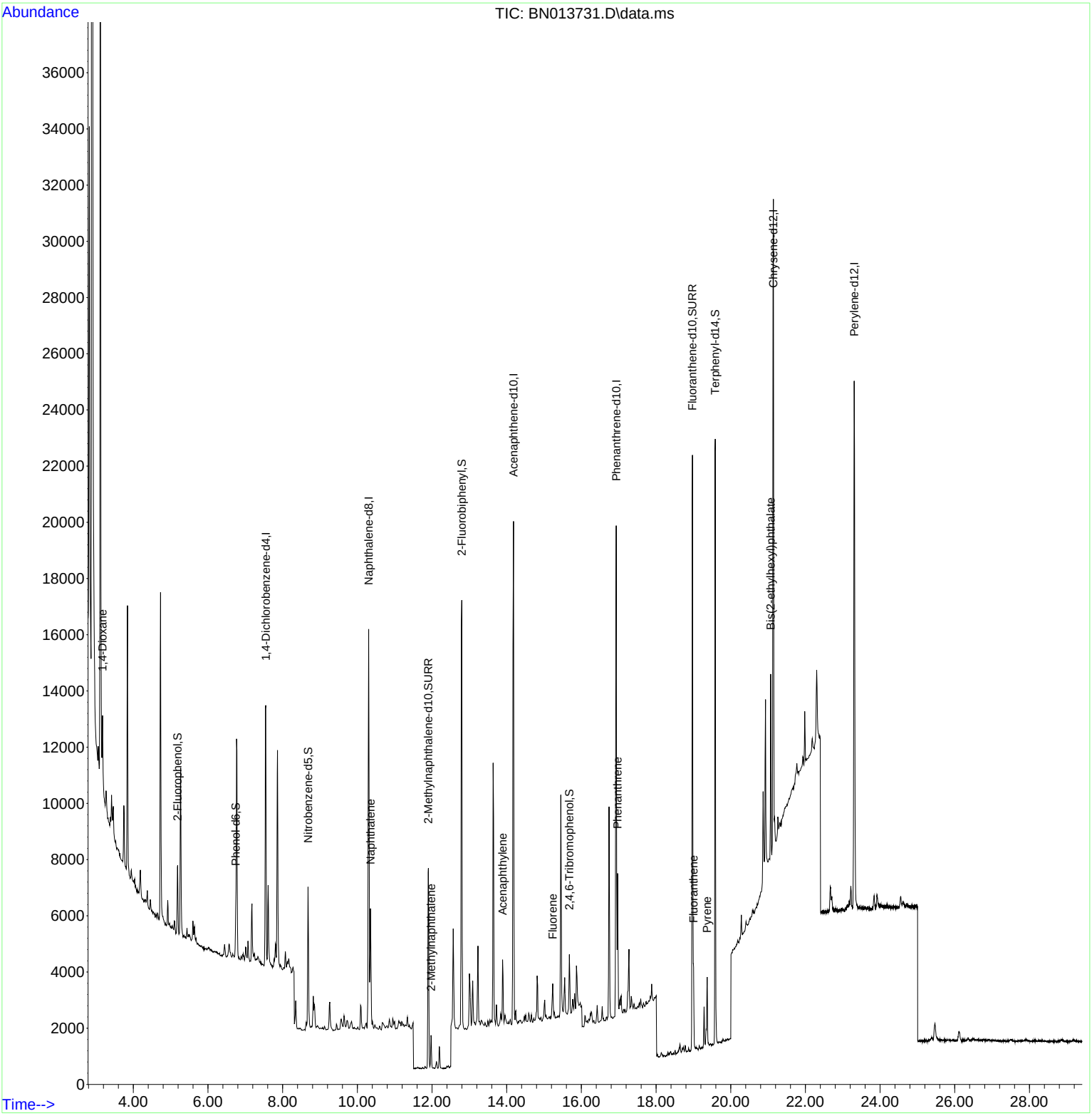
(#) = qualifier out of range (m) = manual integration (+) = signals summed

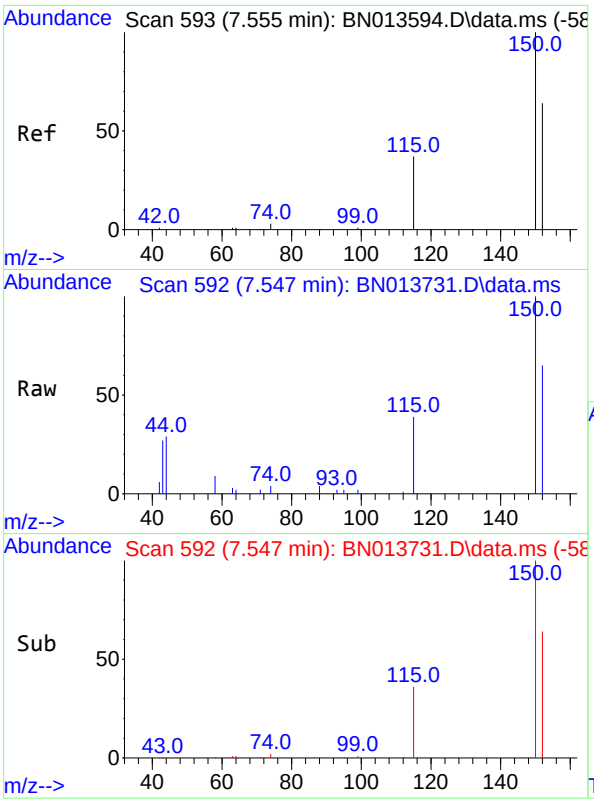
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022221\
Data File : BN013731.D
Acq On : 22 Feb 2021 15:16
Operator : CG/JU
Sample : M1457-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

Quant Time: Feb 22 15:48:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN020821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 18 10:50:10 2021
Response via : Initial Calibration

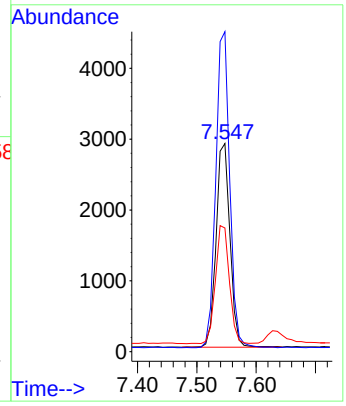




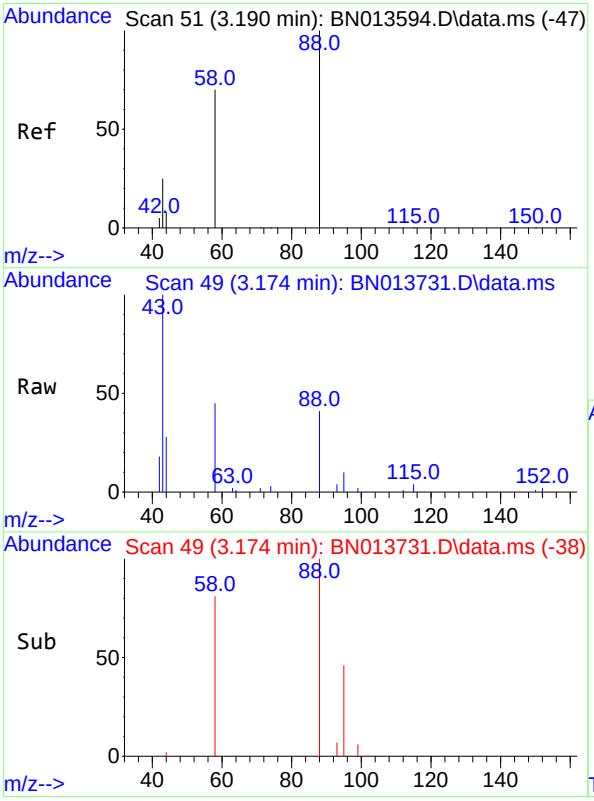

#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.547 min Scan# 592
Delta R.T. 0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:152 Resp: 4658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.7 | 121.8 | 182.8 |
| 115 | 59.4 | 46.6 | 69.8 |



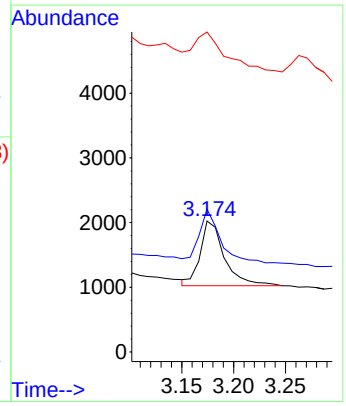

**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

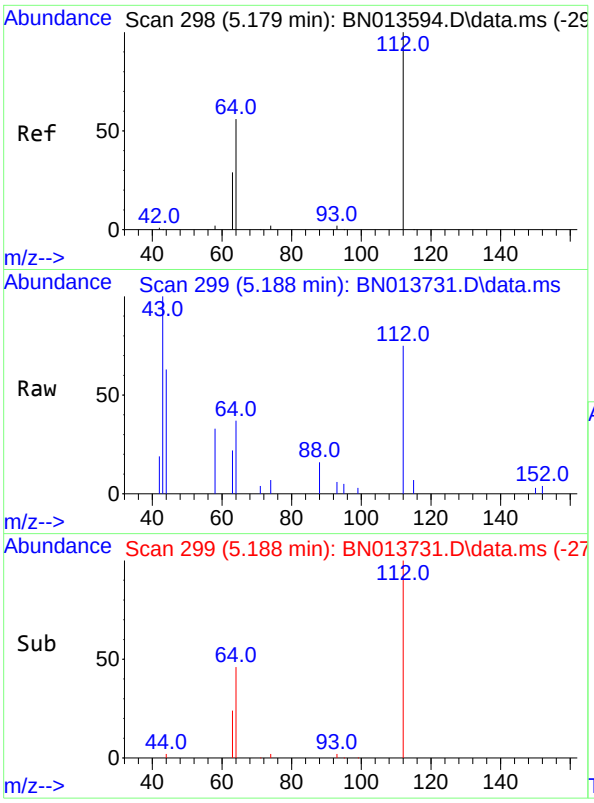



#2
1,4-Dioxane
Concen: 0.31 ng
RT: 3.174 min Scan# 49
Delta R.T. -0.008 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion: 88 Resp: 1620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 73.5 | 64.6 | 96.8 |
| 43 | 83.1 | 26.6 | 40.0# |

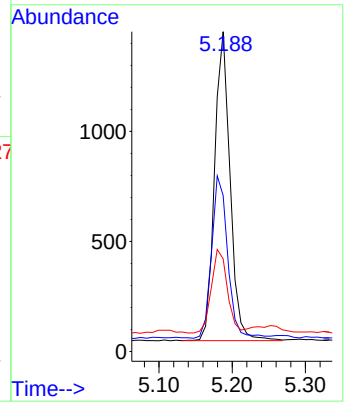




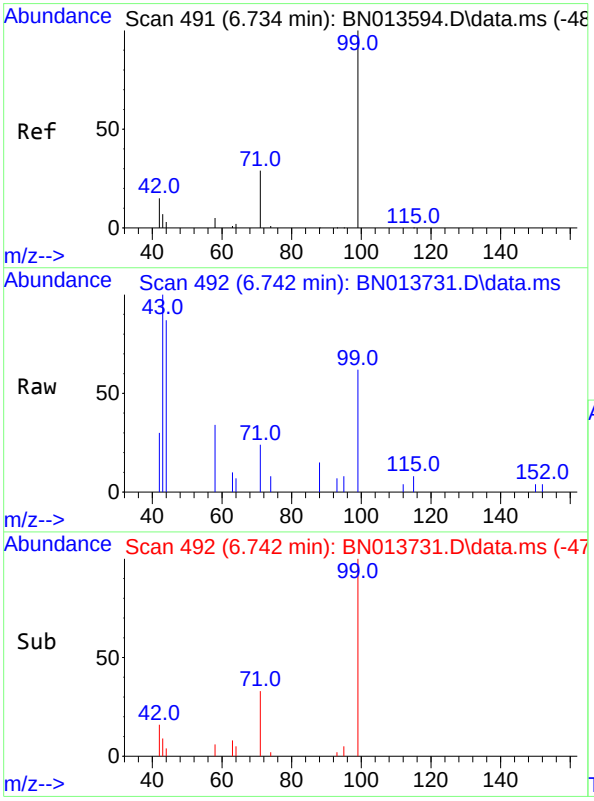

#4
2-Fluorophenol
Concen: 0.20 ng
RT: 5.188 min Scan# 299
Delta R.T. 0.008 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:112 Resp: 2061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.5 | 44.3 | 66.5 |
| 63 | 28.0 | 23.0 | 34.6 |



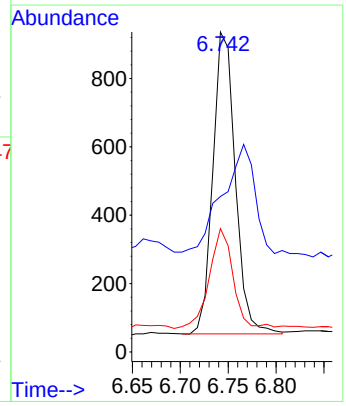

**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

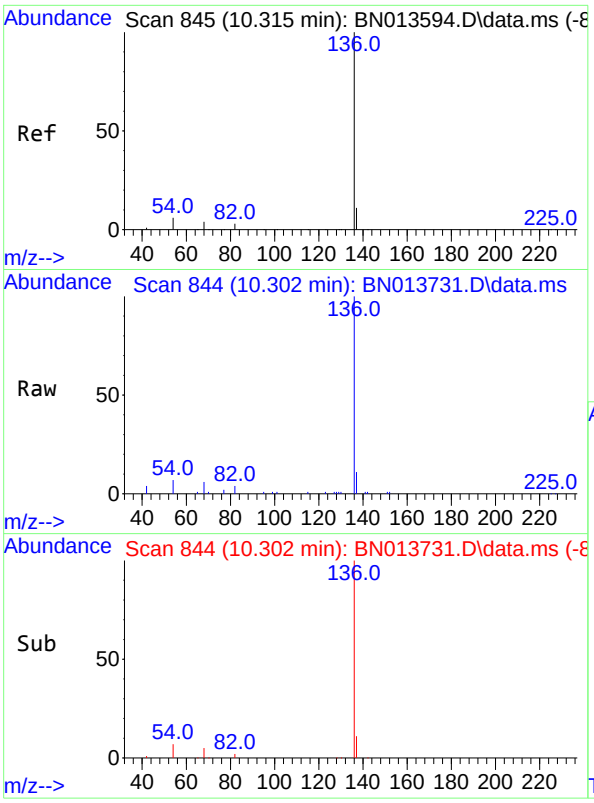



#5
Phenol-d6
Concen: 0.11 ng
RT: 6.742 min Scan# 492
Delta R.T. 0.016 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion: 99 Resp: 1437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 15.2 | 22.8# |
| 71 | 35.9 | 26.1 | 39.1 |

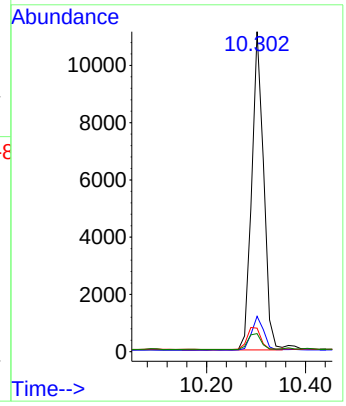




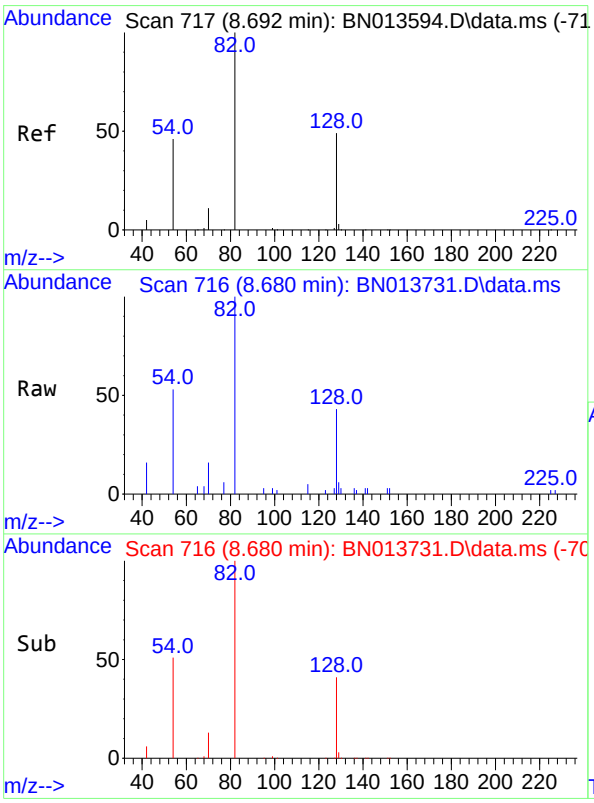

#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.302 min Scan# 844
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:136 Resp: 18604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.6 |
| 54 | 7.3 | 6.4 | 9.6 |
| 68 | 5.6 | 4.5 | 6.7 |



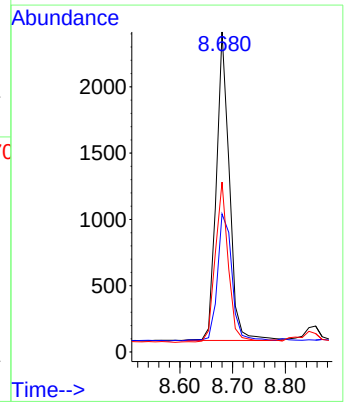

**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921



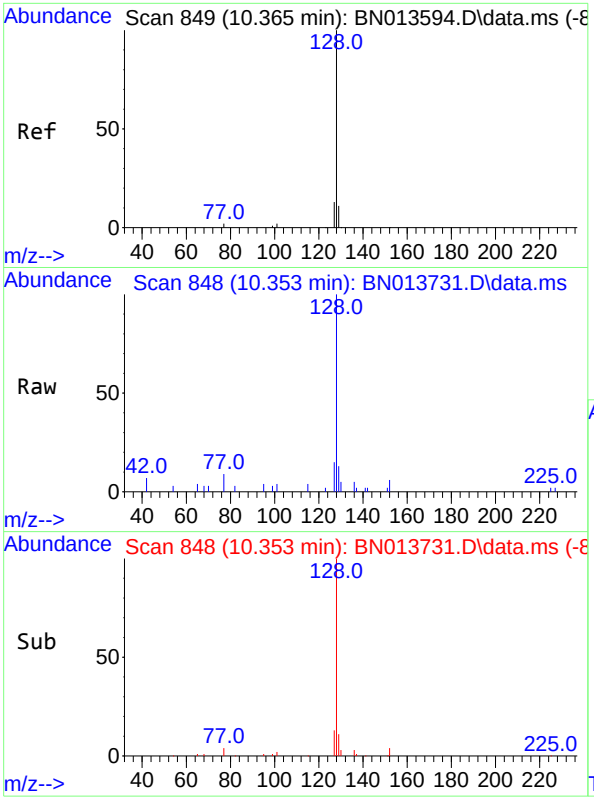

#8
Nitrobenzene-d5
Concen: 0.39 ng
RT: 8.680 min Scan# 716
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion: 82 Resp: 3988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.2 | 39.2 | 58.8 |
| 54 | 53.1 | 40.1 | 60.1 |



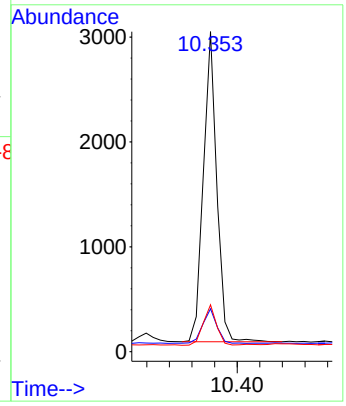
**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

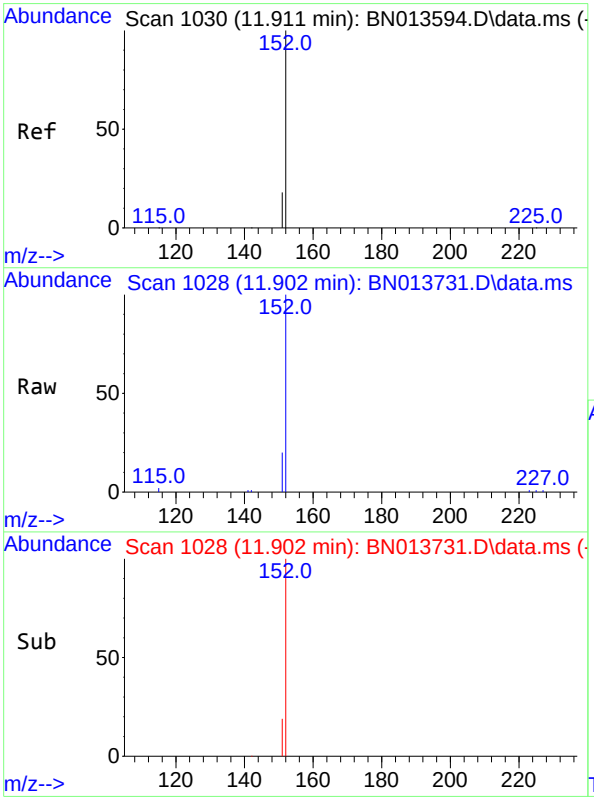



#9
Naphthalene
Concen: 0.11 ng
RT: 10.353 min Scan# 848
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:128 Resp: 4879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.4 | 9.0 | 13.4 |
| 127 | 14.6 | 10.4 | 15.6 |

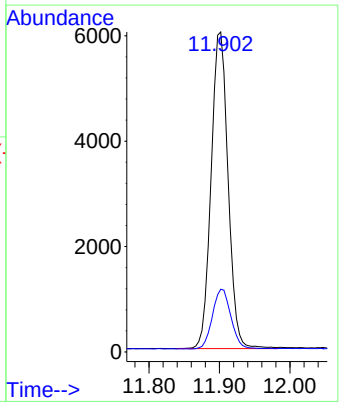


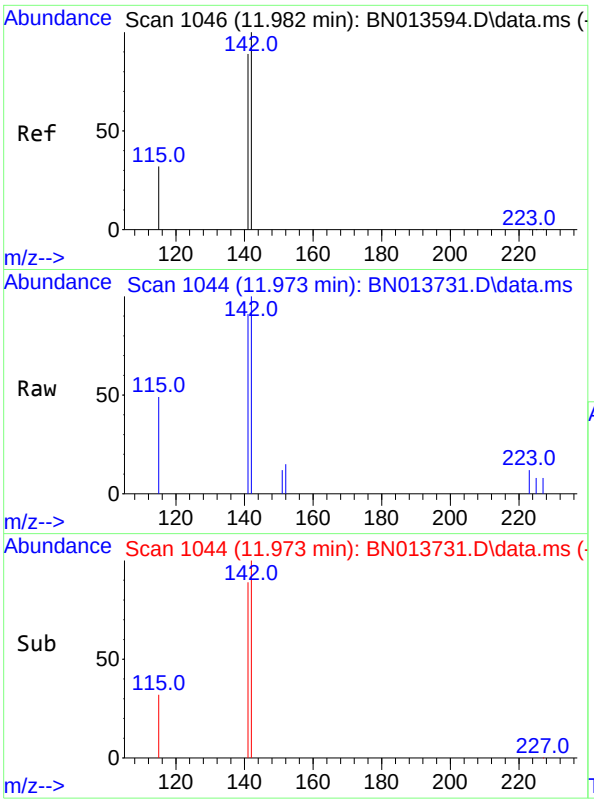

#11
2-Methylnaphthalene-d10
Concen: 0.35 ng
RT: 11.902 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:152 Resp: 10060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.2 | 24.2 |



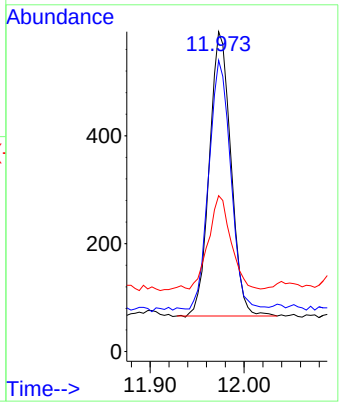
**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

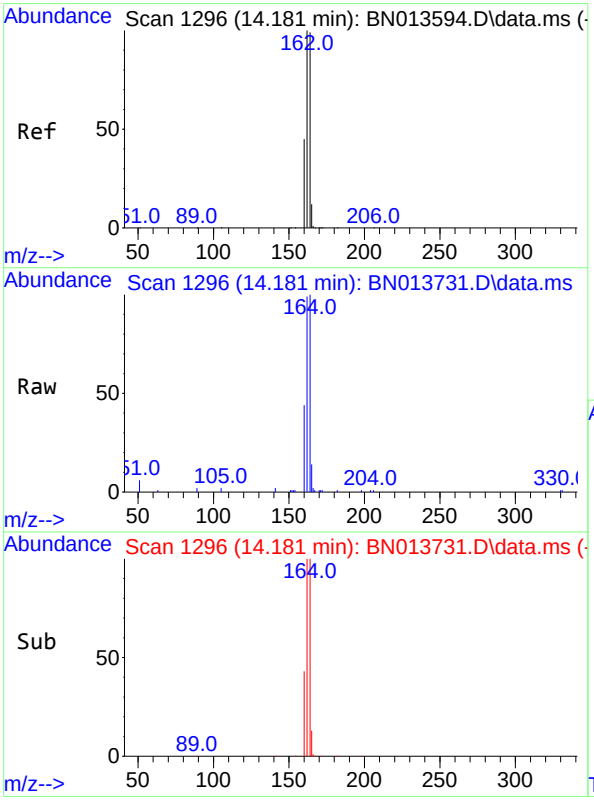



#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 11.973 min Scan# 1044
Delta R.T. -0.005 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:142 Resp: 836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.1 | 70.5 | 105.7 |
| 115 | 48.7 | 27.4 | 41.0# |

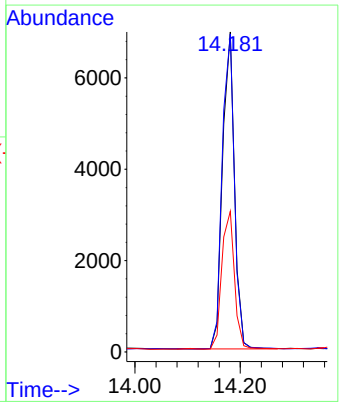


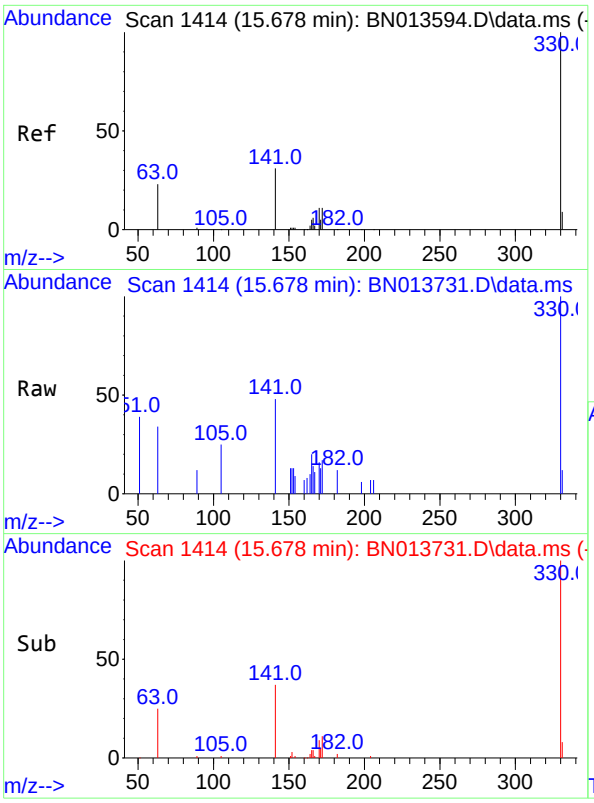

#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:164 Resp: 10947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 79.6 | 119.4 |
| 160 | 44.0 | 36.0 | 54.0 |



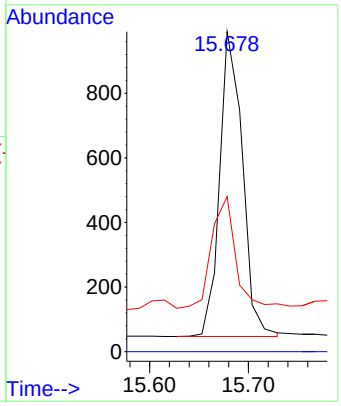
**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

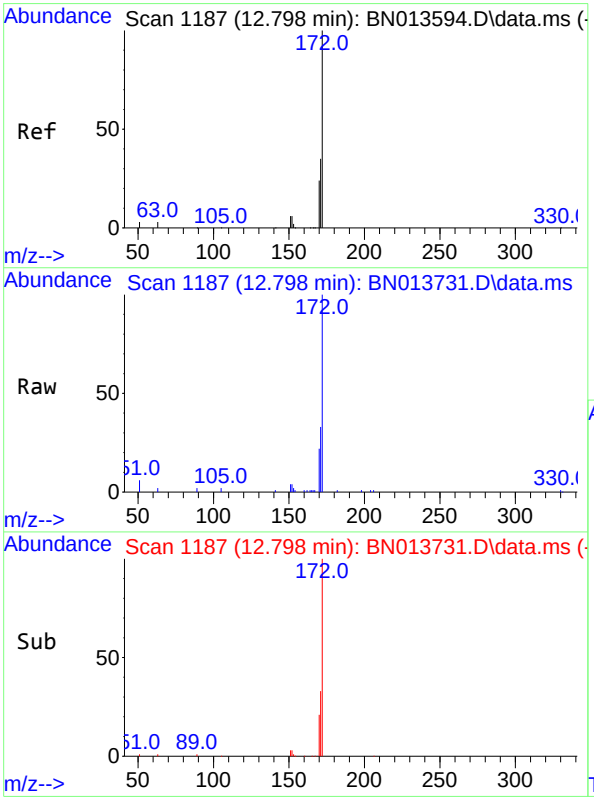



#14
2,4,6-Tribromophenol
Concen: 0.48 ng
RT: 15.678 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:330 Resp: 1510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 37.9 | 26.8 | 40.2 |

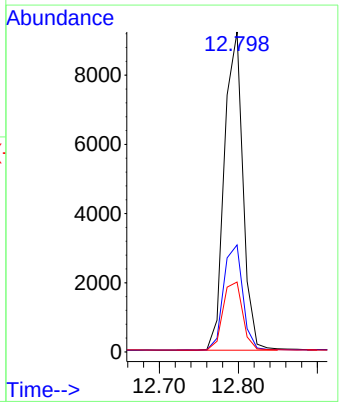


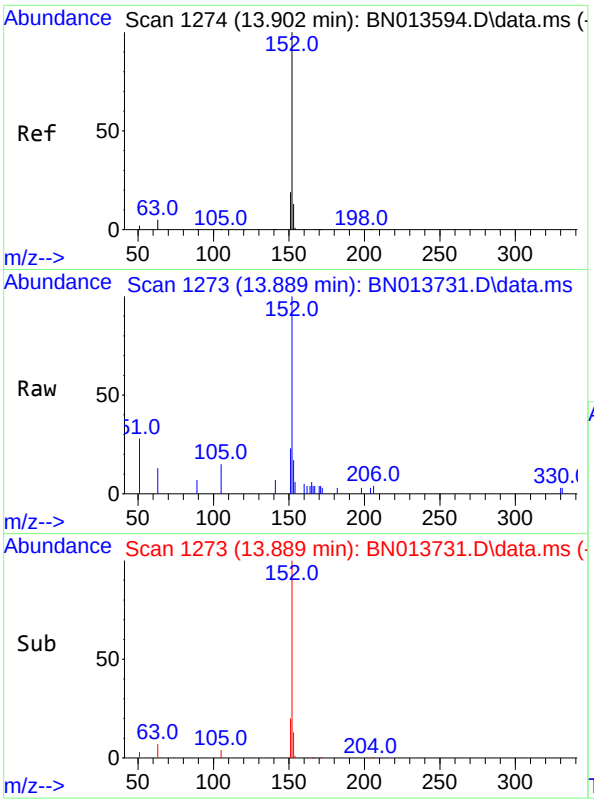

#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 12.798 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:172 Resp: 15036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.4 | 28.6 | 42.8 |
| 170 | 21.9 | 18.9 | 28.3 |



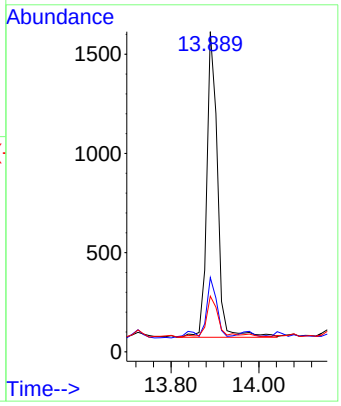
**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

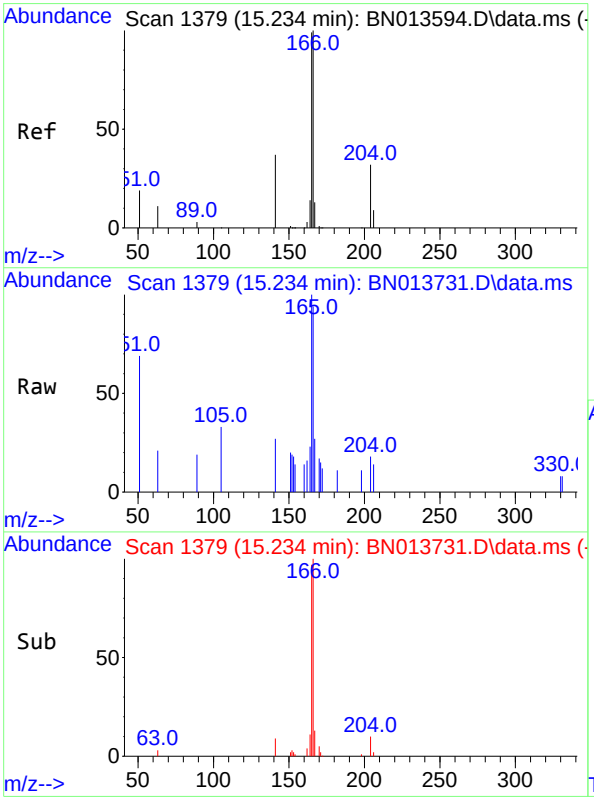



#16
Acenaphthylene
Concen: 0.06 ng
RT: 13.889 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:152 Resp: 2607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 15.7 | 23.5 |
| 153 | 15.6 | 10.5 | 15.7 |

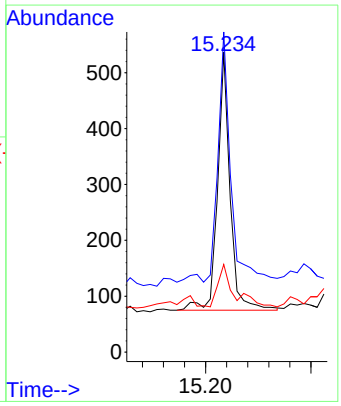


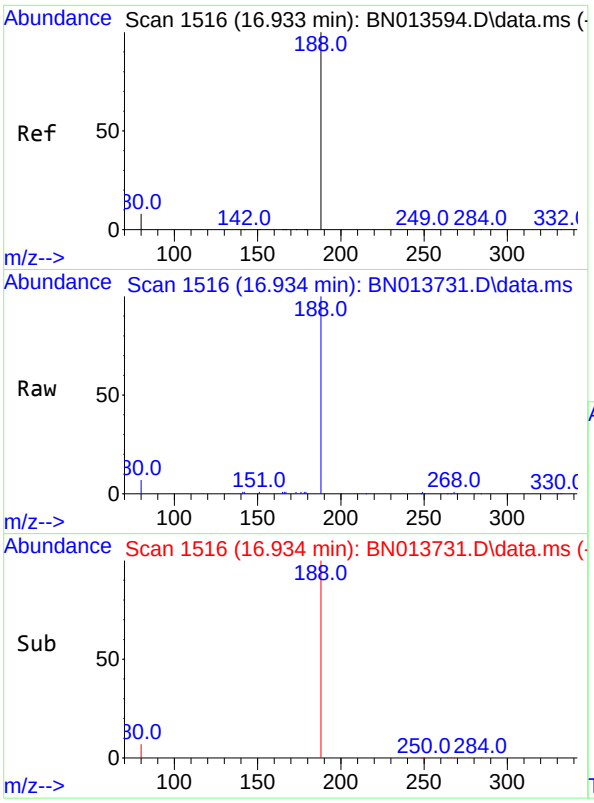




#18
Fluorene
Concen: 0.02 ng
RT: 15.234 min Scan# 1379
Delta R.T. -0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:166 Resp: 757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.8 | 77.8 | 116.8 |
| 167 | 20.9 | 10.6 | 16.0# |

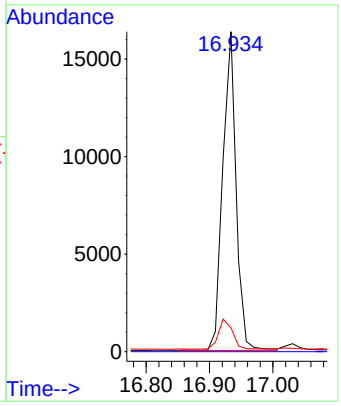




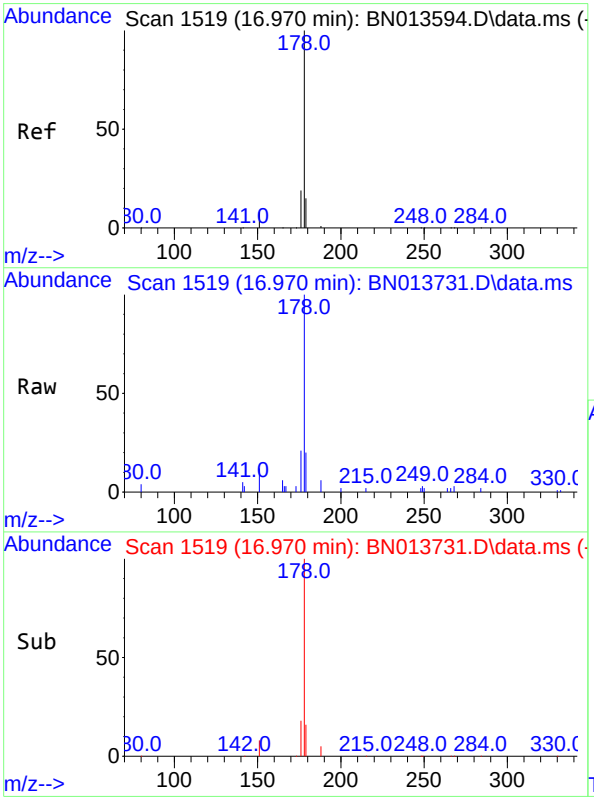

#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.934 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:188 Resp: 23734

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 7.5 | 9.0 | 13.6# |



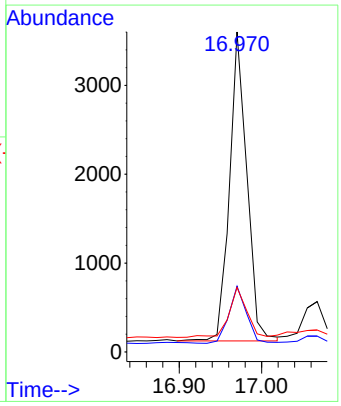

**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

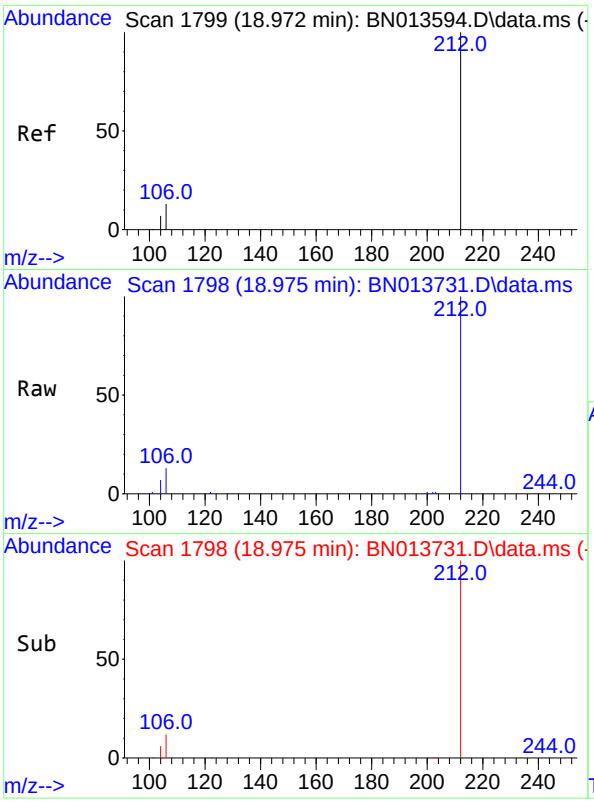



#25
Phenanthrene
Concen: 0.08 ng
RT: 16.970 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:178 Resp: 5095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 16.5 | 12.3 | 18.5 |

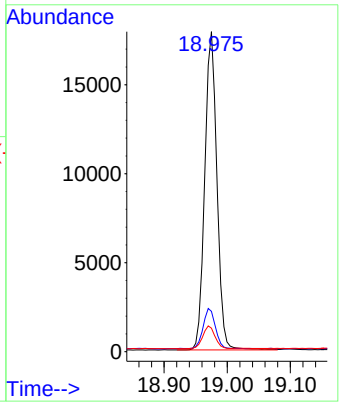





#27
Fluoranthene-d10
Concen: 0.37 ng
RT: 18.975 min Scan# 1798
Delta R.T. 0.003 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:212 Resp: 23953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 12.6 | 9.7 | 14.5 |
| 104 | 7.1 | 5.5 | 8.3 |




**Instrument :**
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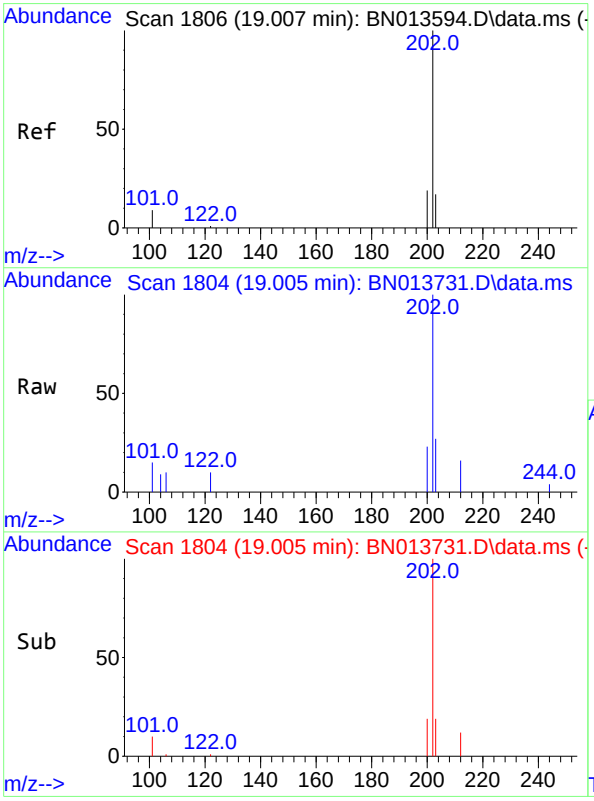
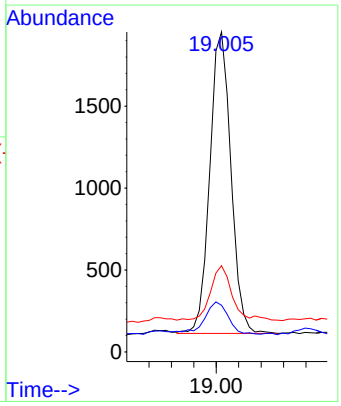



#28
Fluoranthene
Concen: 0.03 ng
RT: 19.005 min Scan# 1804
Delta R.T. 0.003 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:202 Resp: 2405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.2 | 8.1 | 12.1# |
| 203 | 19.3 | 13.9 | 20.9 |



**Instrument :**
BNA_N
**ClientSampleId :**
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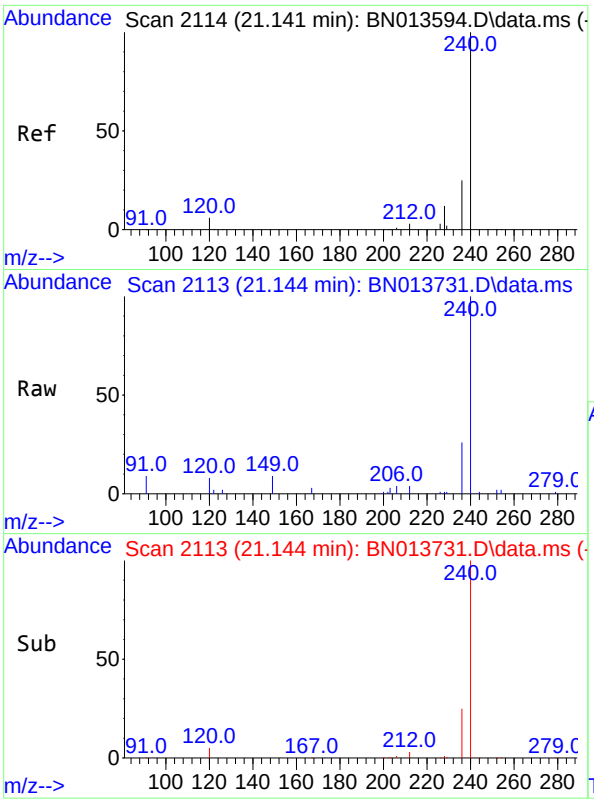
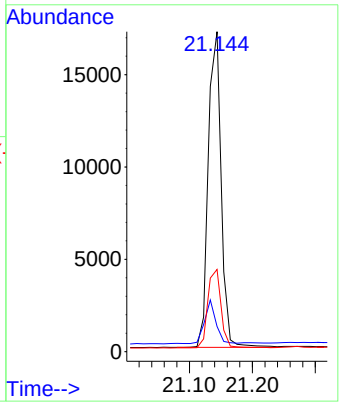
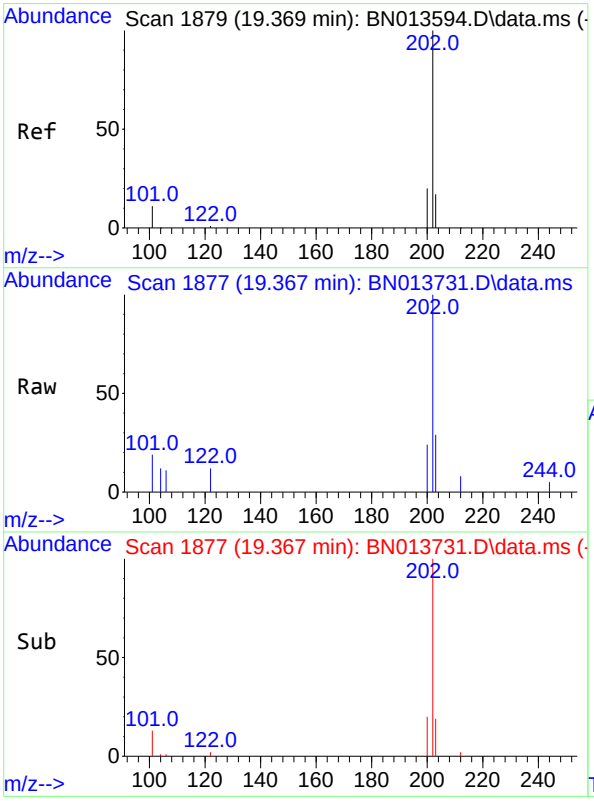



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.144 min Scan# 2113
Delta R.T. 0.013 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:240 Resp: 24292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.9 | 10.2 | 15.4# |
| 236 | 25.7 | 21.3 | 31.9 |

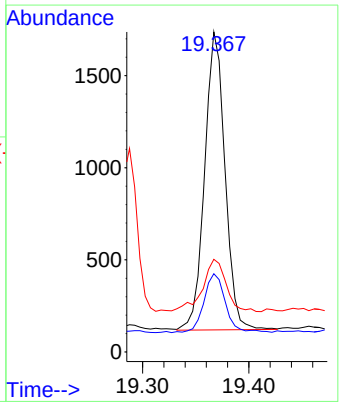


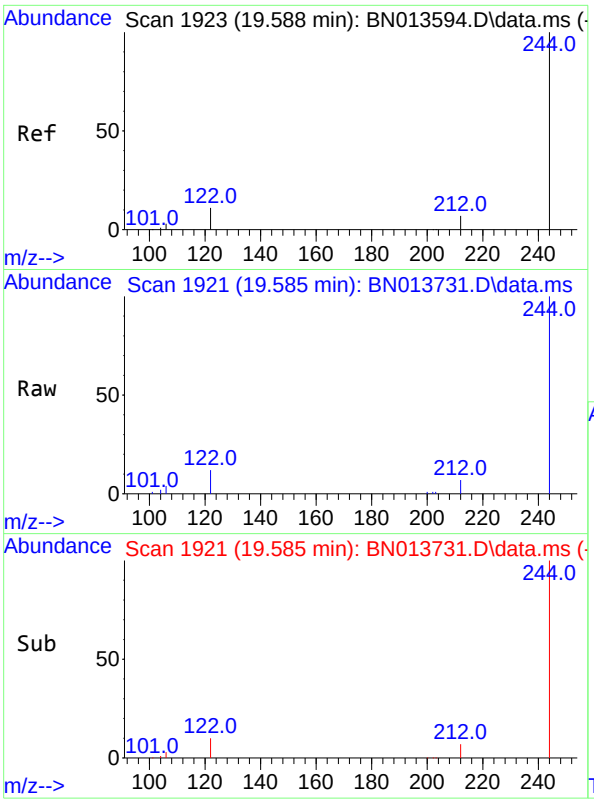

#30
Pyrene
Concen: 0.03 ng
RT: 19.367 min Scan# 1877
Delta R.T. 0.003 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:202 Resp: 2151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.3 | 24.5 |
| 203 | 21.5 | 14.0 | 21.0# |



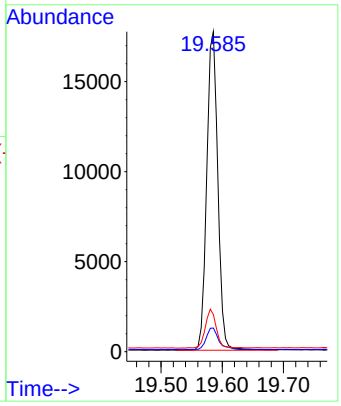
**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921

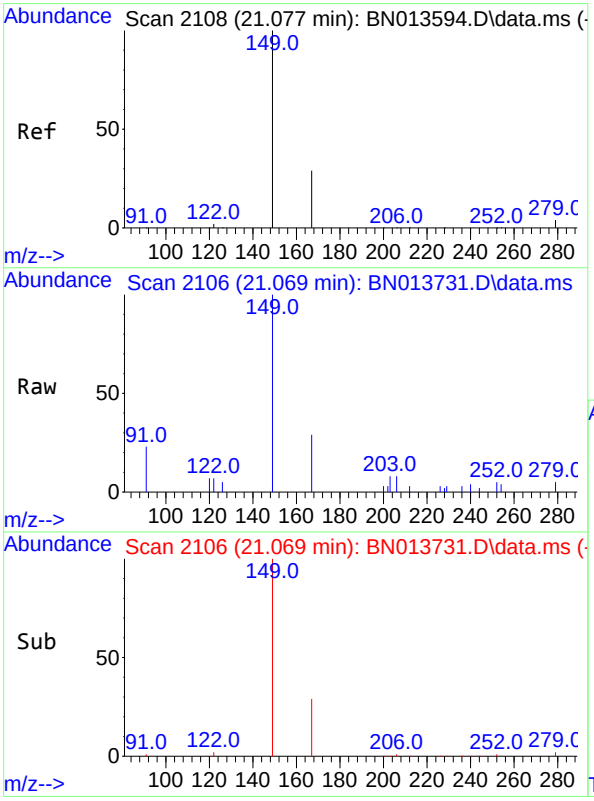



#31
Terphenyl-d14
Concen: 0.41 ng
RT: 19.585 min Scan# 1921
Delta R.T. 0.003 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:244 Resp: 22224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.1 | 9.1 |
| 122 | 11.6 | 9.8 | 14.8 |

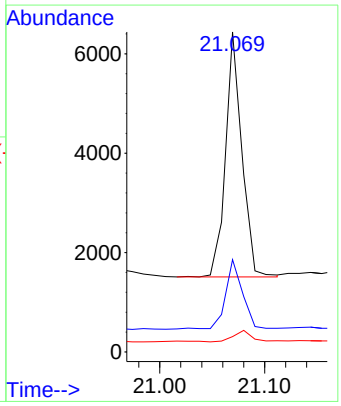


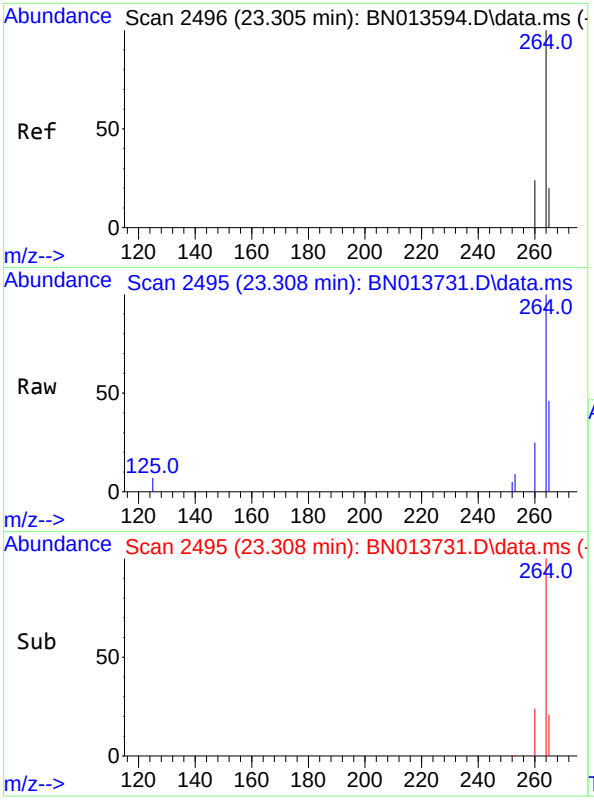




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.28 ng
RT: 21.069 min Scan# 2106
Delta R.T. 0.003 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:149 Resp: 5320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 30.0 | 22.1 | 33.1 |
| 279 | 5.6 | 3.5 | 5.3# |

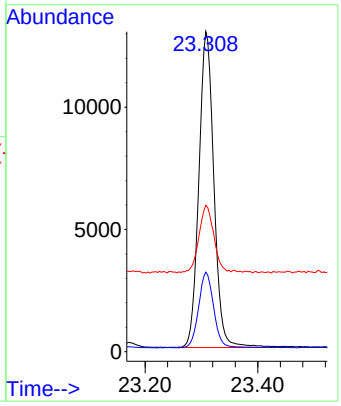





#36
Perylene-d12
Concen: 0.40 ng
RT: 23.308 min Scan# 2495
Delta R.T. 0.006 min
Lab File: BN013731.D
Acq: 22 Feb 2021 15:16

Tgt Ion:264 Resp: 24065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.3 | 28.9 |
| 265 | 45.7 | 66.2 | 99.4# |




**Instrument :**
BNA_N
**ClientSampleId :**
GWBR1-85-100-021921