Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082421\
Data File : BM031877.D
Acq On : 24 Aug 2021 09:08
Operator : CG/JU
Sample : PB138103BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB138103BL

Quant Time: Aug 24 10:35:26 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 24 10:28:46 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.522 | 152 | 32955 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.281 | 136 | 136833 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.163 | 164 | 82171 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 16.921 | 188 | 166754 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.121 | 240 | 132758 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 23.262 | 264 | 120769 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.163 | 112 | 362911 | 162.001 | ng | 0.00 |
| 7) Phenol-d6 | 6.728 | 99 | 412692 | 137.157 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.681 | 82 | 290968 | 86.590 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.668 | 330 | 120162 | 132.710 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 12.775 | 172 | 570610 | 89.347 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.568 | 244 | 835597 | 94.692 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.222 | 88 | 70 | 0.096 | ng | # 1 |
| 3) Pyridine | 3.522 | 79 | 190 | 0.087 | ng | # 44 |
| 4) n-Nitrosodimethylamine | 3.463 | 42 | 395 | 0.413 | ng | # 1 |
| 9) Benzaldehyde | 6.728 | 77 | 1214 | 0.610 | ng | # 7 |
| 15) Benzyl Alcohol | 7.528 | 79 | 1313 | 0.531 | ng | # 42 |
| 24) Nitrobenzene | 8.681 | 77 | 1347 | 0.391 | ng | # 43 |
| 46) 1,1'-Biphenyl | 12.775 | 154 | 1177 | 0.178 | ng | # 1 |
| 52) Acenaphthene | 14.163 | 154 | 254 | 0.051 | ng | # 4 |
| 63) Azobenzene | 15.663 | 77 | 1679 | 0.200 | ng | # 26 |
| 66) n-Nitrosodiphenylamine | 15.668 | 169 | 6465 | 1.148 | ng | # 47 |
| 78) Pyrene | 19.568 | 202 | 4017 | 0.378 | ng | # 55 |
| 80) Butylbenzylphthalate | 20.268 | 149 | 76 | 0.014 | ng | # 19 |
| 81) Benzo(a)anthracene | 21.121 | 228 | 285 | 0.029 | ng | # 52 |
| 83) Chrysene | 21.121 | 228 | 285 | 0.030 | ng | # 49 |
| 84) Bis(2-ethylhexyl)phtha... | 21.062 | 149 | 845 | 0.104 | ng | # 55 |
| 85) Di-n-octyl phthalate | 21.886 | 149 | 151 | 0.012 | ng | # 1 |
| 88) Benzo(b)fluoranthene | 22.627 | 252 | 199 | 0.022 | ng | # 1 |
| 89) Benzo(k)fluoranthene | 22.680 | 252 | 66 | 0.008 | ng | # 1 |
| 90) Benzo(a)pyrene | 23.168 | 252 | 64 | 0.008 | ng | # 1 |

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

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Misc :
ALS Vial : 3 Sample Multiplier: 1

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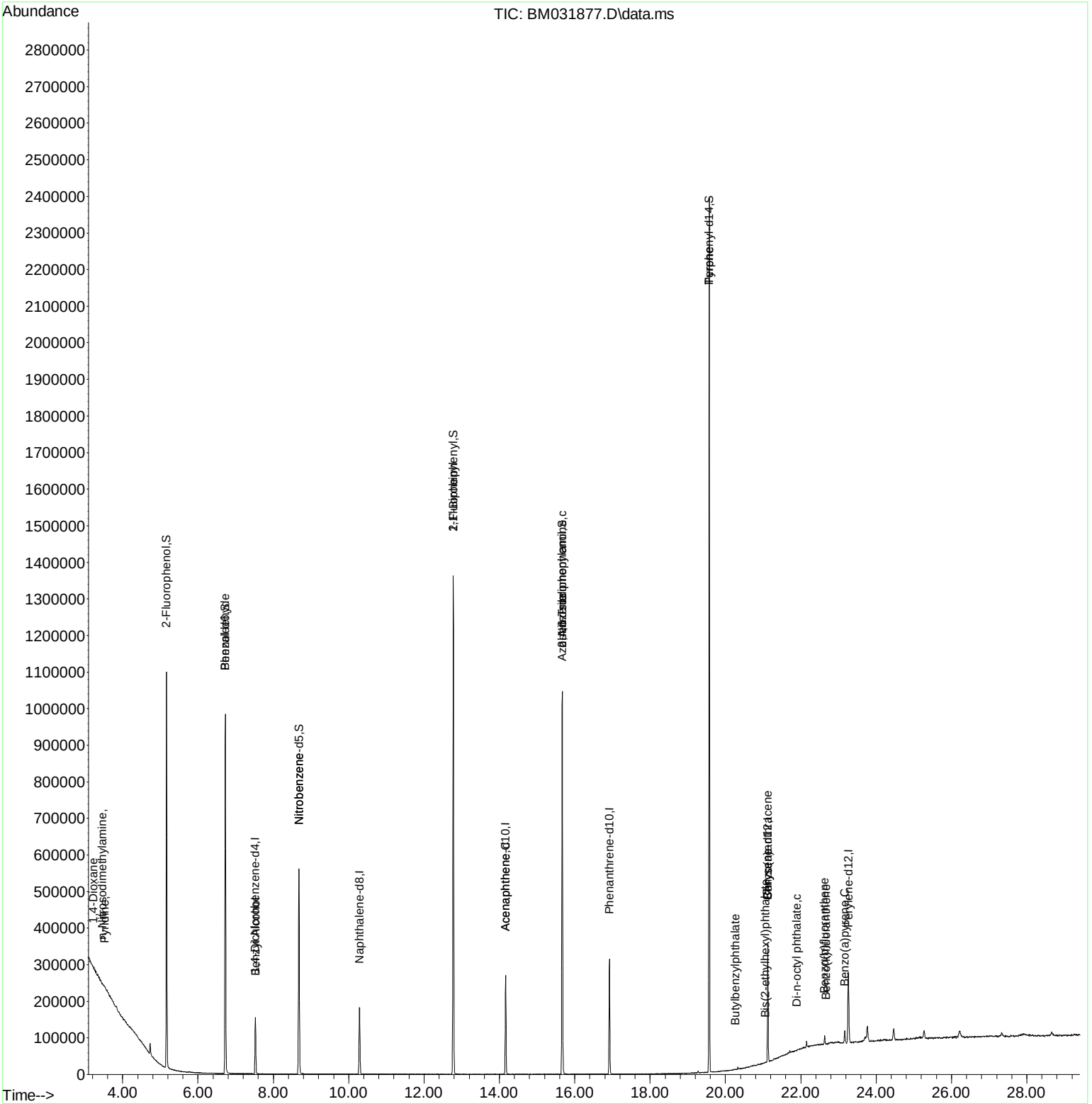

**Instrument :**
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**ClientSampleId :**
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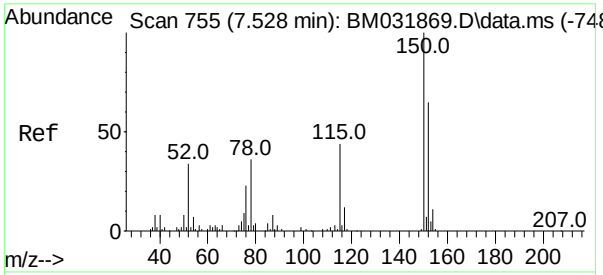
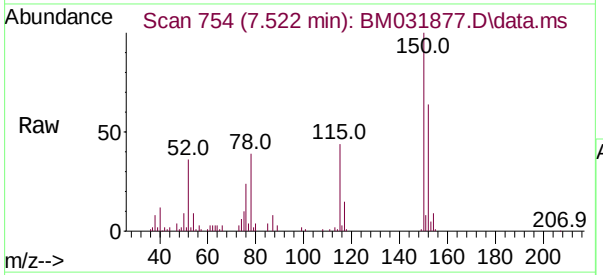
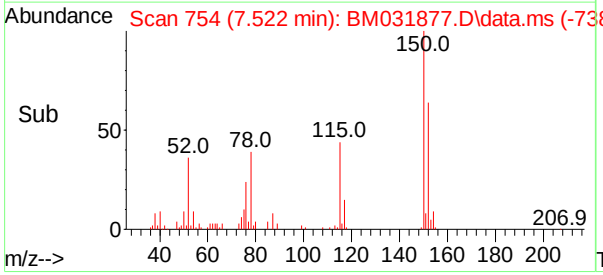


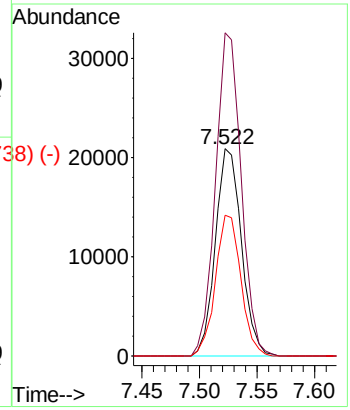

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.522 min Scan# 754
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

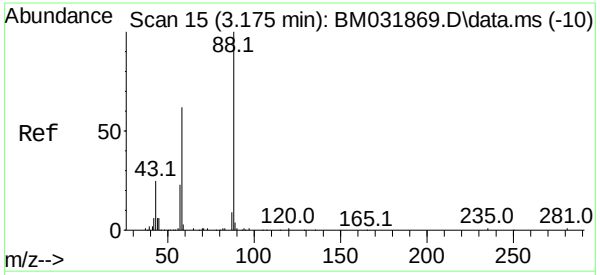
Tgt Ion:152 Resp: 32955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.8 | 122.4 | 183.6 |
| 115 | 67.8 | 53.8 | 80.8 |



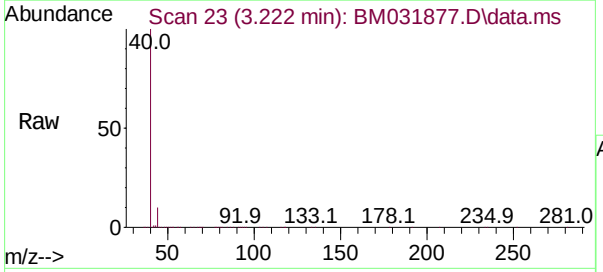



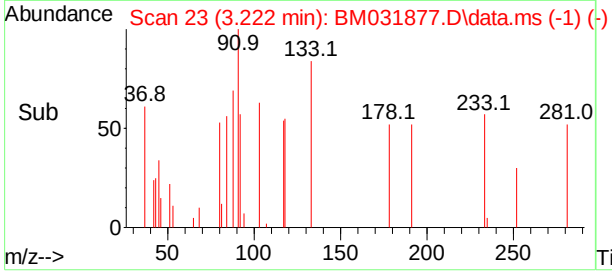



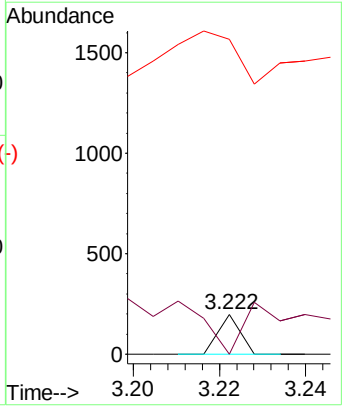

#2
1,4-Dioxane
Concen: 0.096 ng
RT: 3.222 min Scan# 23
Delta R.T. 0.047 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 88 Resp: 70

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 401.4 | 50.4 | 75.6# |
| 43 | 398.6 | 22.2 | 33.2# |



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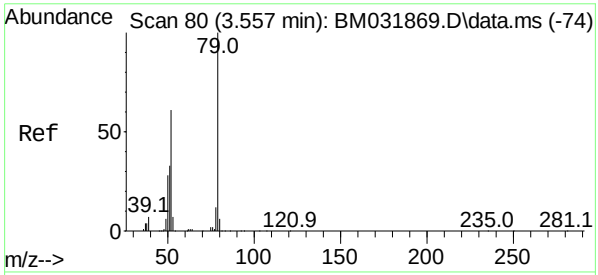
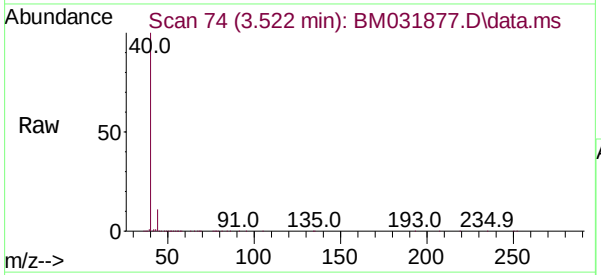
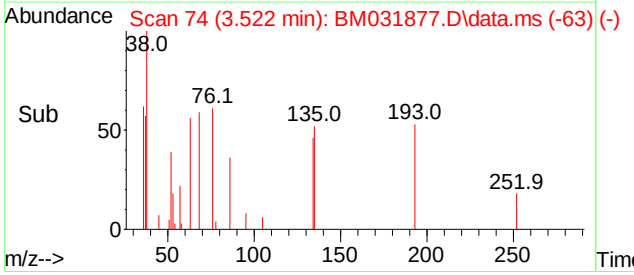


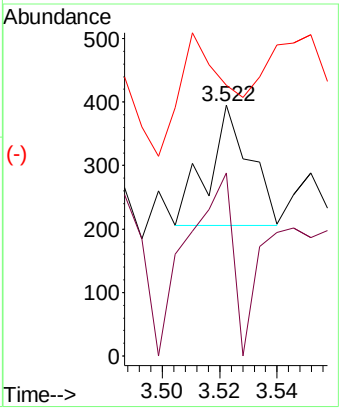

Pyridine
Concen: 0.087 ng
RT: 3.522 min Scan# 74
Delta R.T. -0.035 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

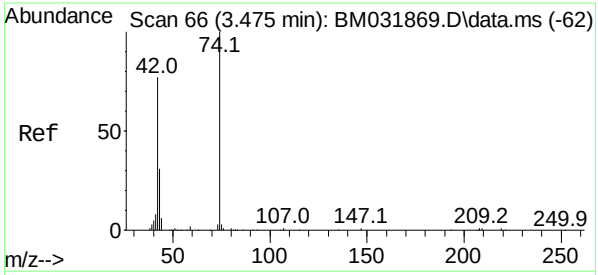
Tgt Ion: 79 Resp: 190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 72.9 | 48.6 | 73.0 |
| 51 | 107.8 | 27.4 | 41.2# |



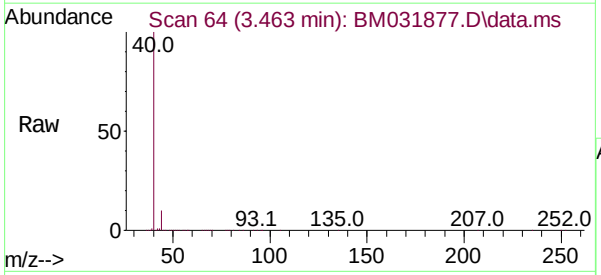



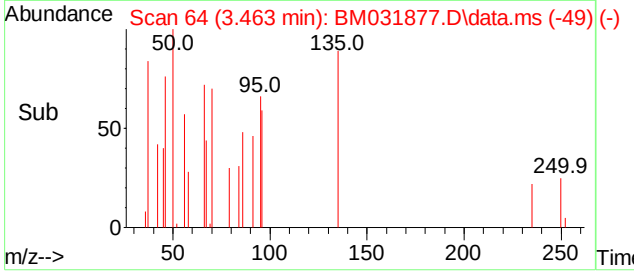



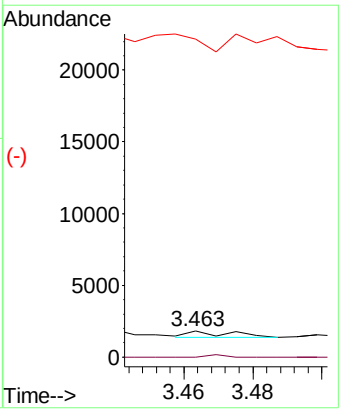

n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.463 min Scan# 64
Delta R.T. -0.012 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 42 Resp: 395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 99.5 | 149.3# |
| 44 | 1218.7 | 57.3 | 85.9# |



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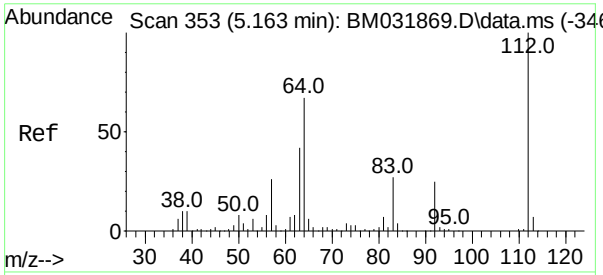
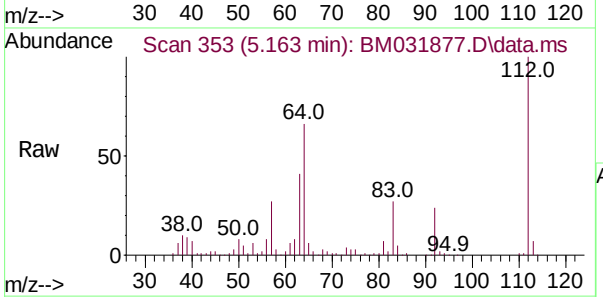
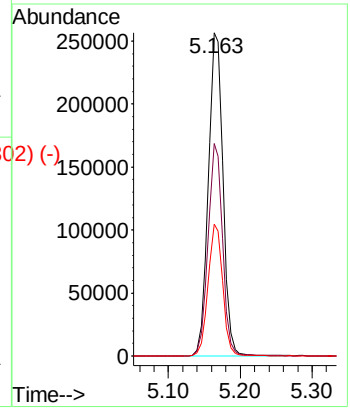


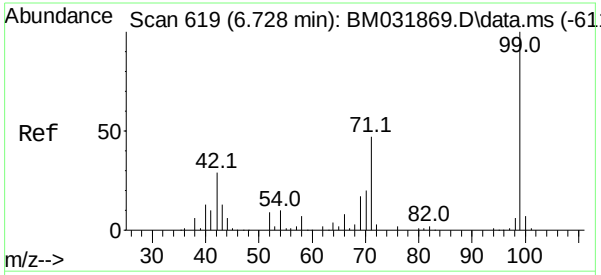

#5
2-Fluorophenol
Concen: 162.001 ng
RT: 5.163 min Scan# 353
Delta R.T. 0.000 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:112 Resp: 362911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.7 | 53.7 | 80.5 |
| 63 | 40.7 | 33.9 | 50.9 |



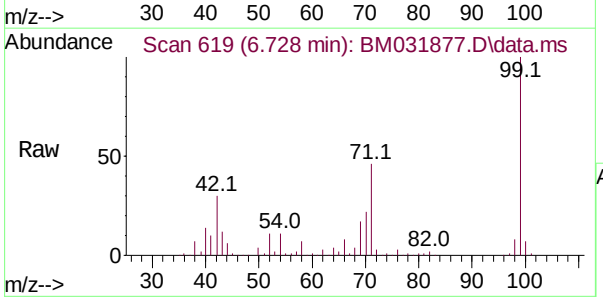



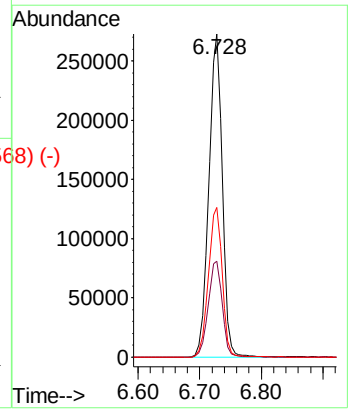




#7
Phenol-d6
Concen: 137.157 ng
RT: 6.728 min Scan# 619
Delta R.T. 0.000 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 99 Resp: 412692

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 29.6 | 23.0 | 34.6 |
| 71 | 46.4 | 37.8 | 56.8 |



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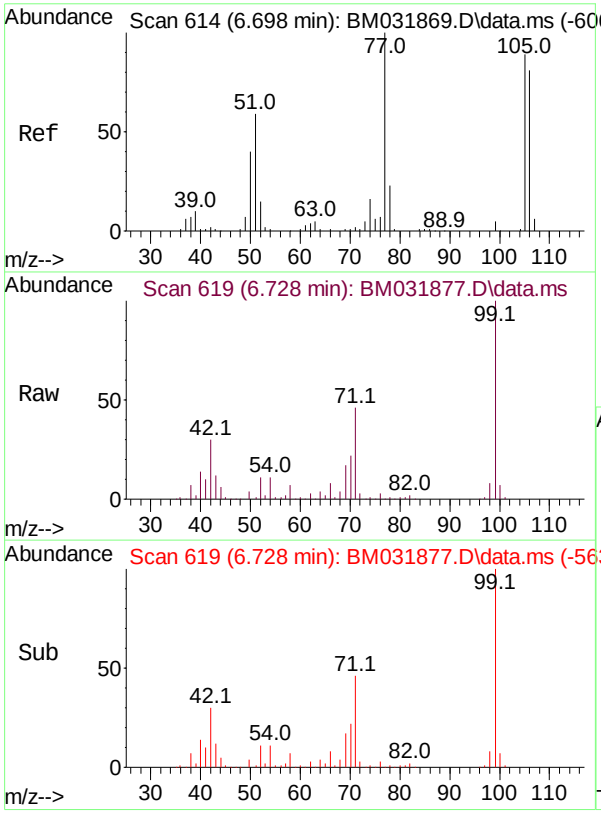
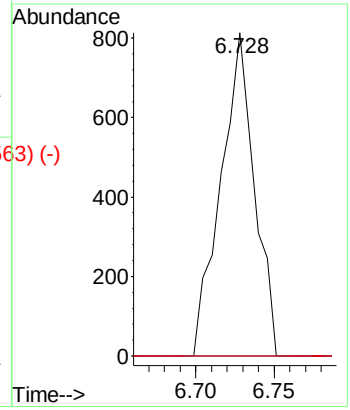
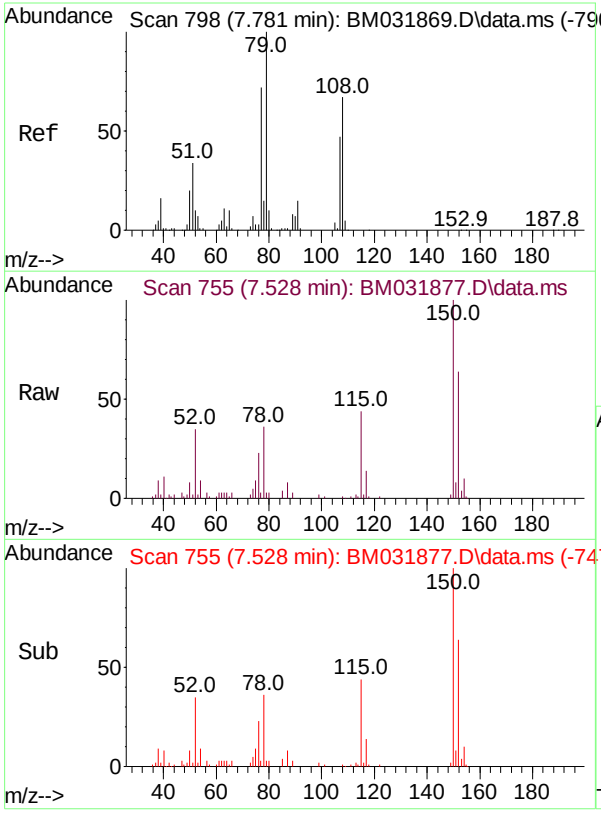



#9
Benzaldehyde
Concen: 0.610 ng
RT: 6.728 min Scan# 619
Delta R.T. 0.030 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 77 Resp: 1214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 0.0 | 68.9 | 108.9# |
| 106 | 0.0 | 61.2 | 101.2# |

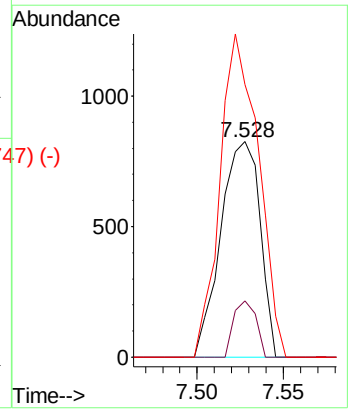



#15
Benzyl Alcohol
Concen: 0.531 ng
RT: 7.528 min Scan# 755
Delta R.T. -0.253 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 79 Resp: 1313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 26.0 | 53.6 | 80.4# |
| 77 | 126.5 | 57.7 | 86.5# |



**Instrument :**
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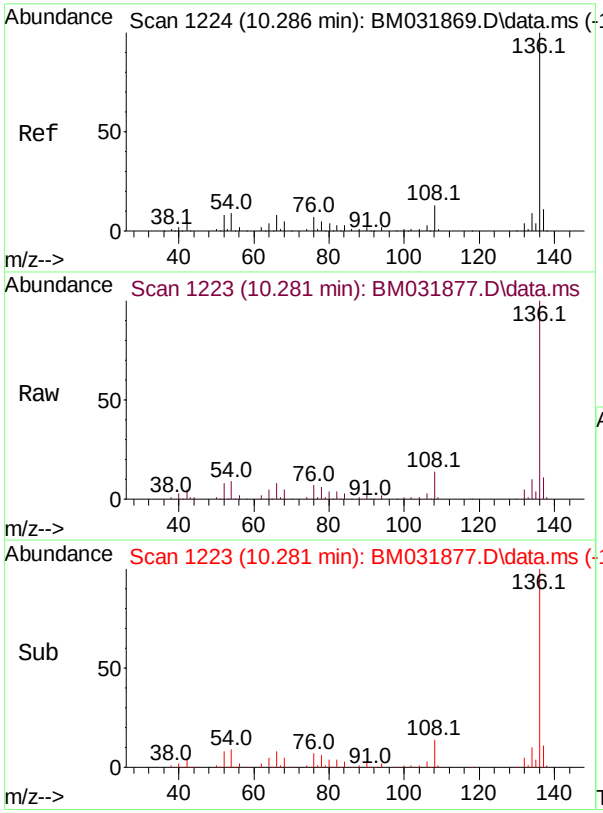
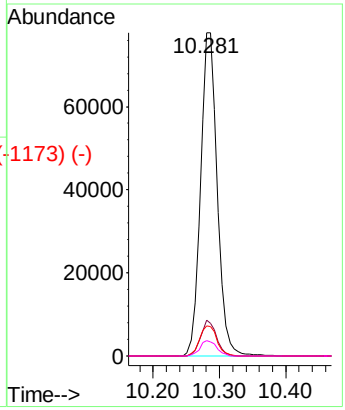
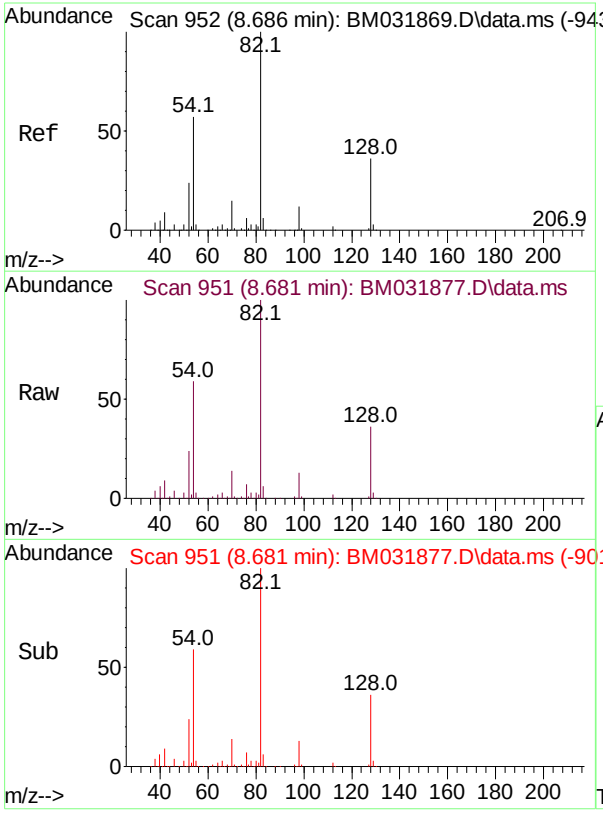



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.281 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:136 Resp: 136833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.7 | 13.1 |
| 54 | 9.2 | 7.4 | 11.0 |
| 68 | 4.8 | 3.8 | 5.8 |

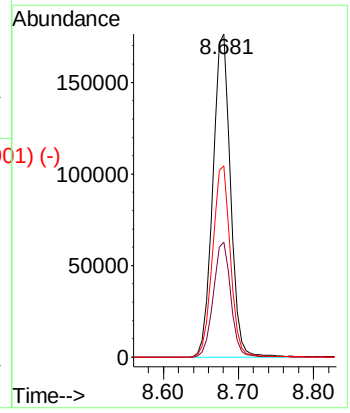



#23
Nitrobenzene-d5
Concen: 86.590 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 82 Resp: 290968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.6 | 29.0 | 43.6 |
| 54 | 59.2 | 45.8 | 68.8 |



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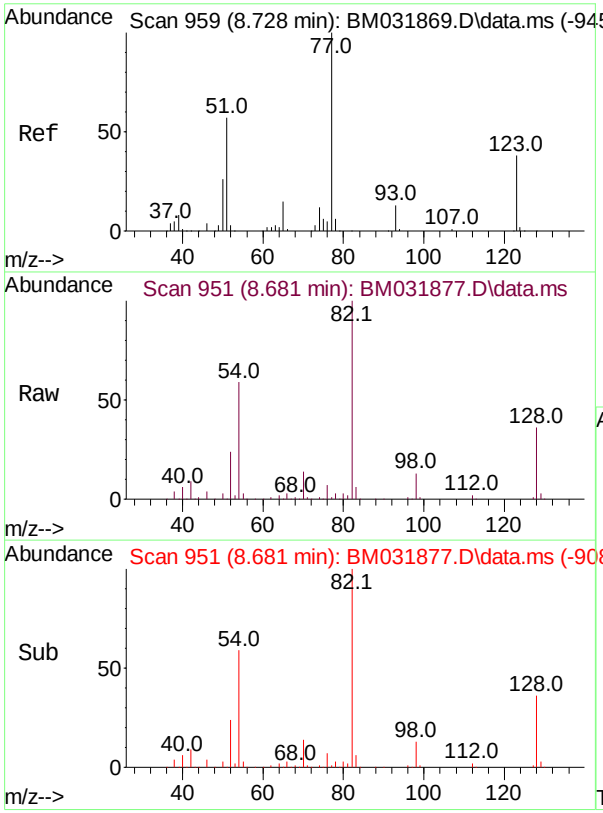
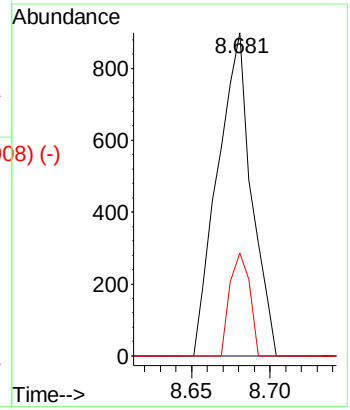
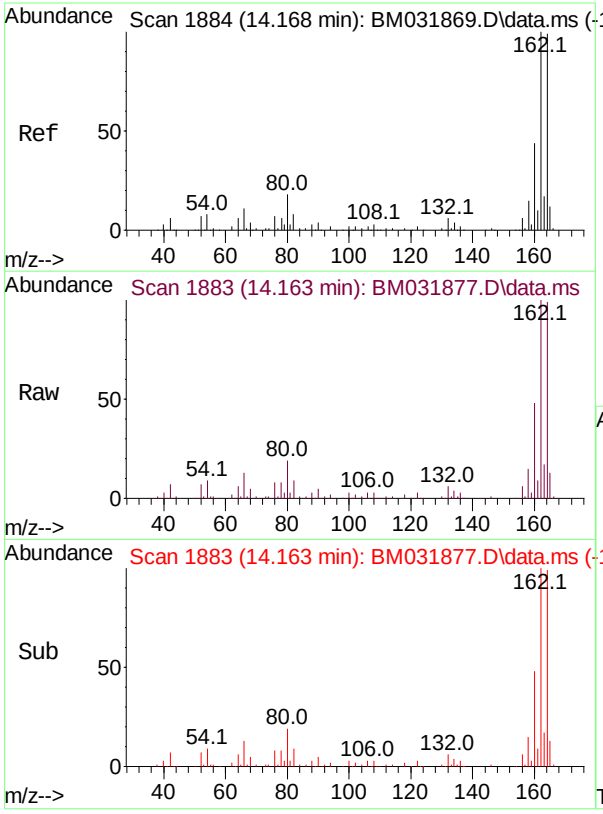



#24
Nitrobenzene
Concen: 0.391 ng
RT: 8.681 min Scan# 951
Delta R.T. -0.047 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 77 Resp: 1347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 30.1 | 45.1# |
| 65 | 31.8 | 11.7 | 17.5# |

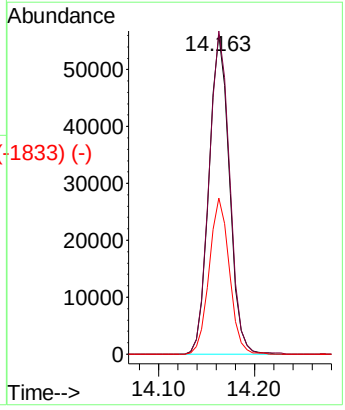


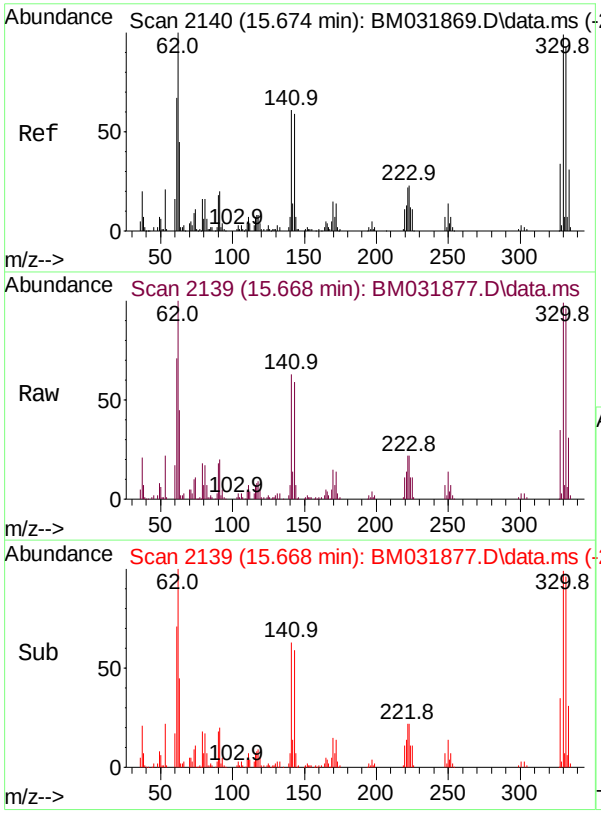

#32
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.163 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:164 Resp: 82171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.2 | 80.6 | 121.0 |
| 160 | 48.9 | 35.1 | 52.7 |



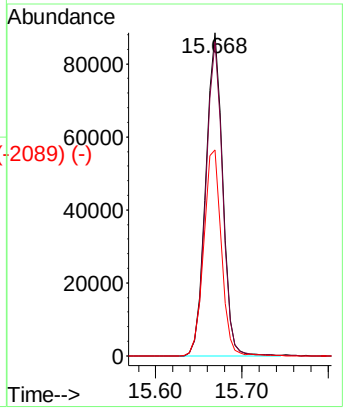
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

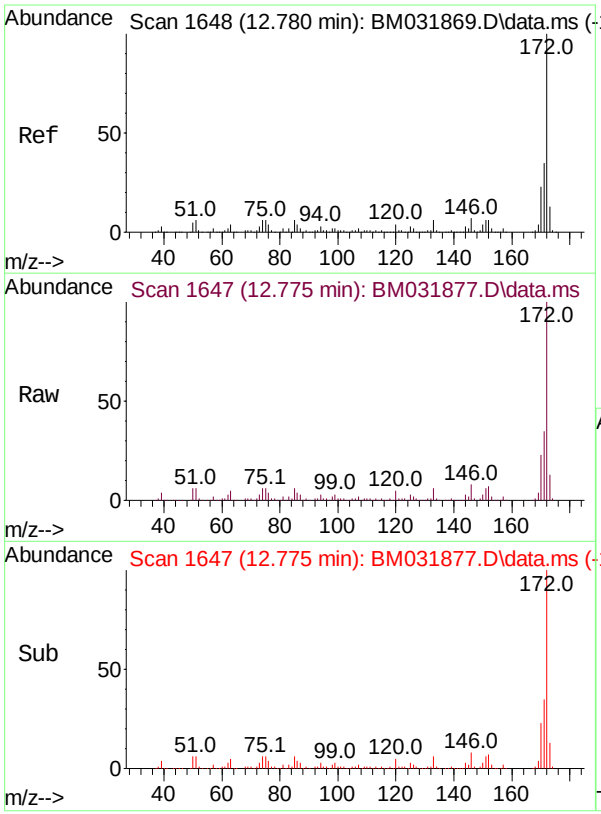



#42
2,4,6-Tribromophenol
Concen: 132.710 ng
RT: 15.668 min Scan# 2139
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:330 Resp: 120162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.5 | 75.7 | 113.5 |
| 141 | 66.3 | 50.7 | 76.1 |

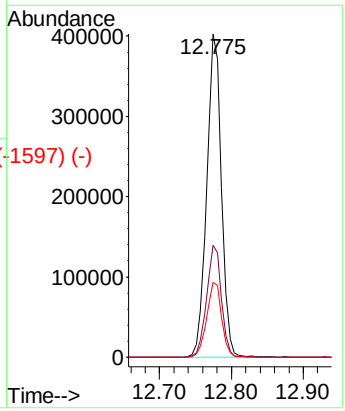


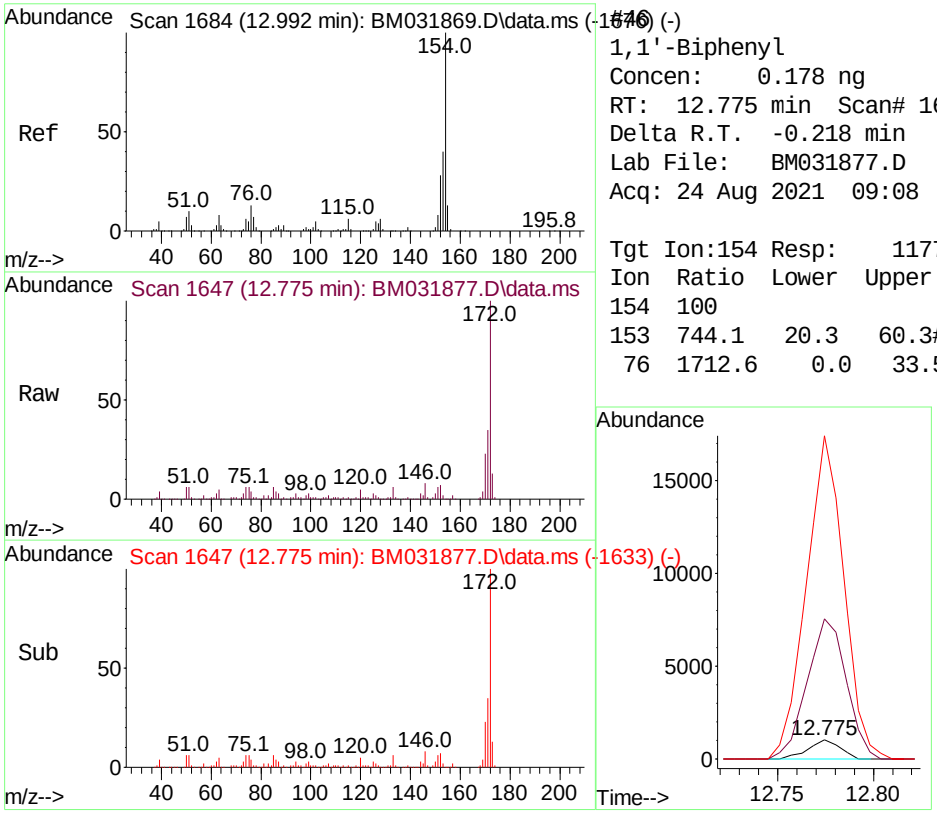

#45
2-Fluorobiphenyl
Concen: 89.347 ng
RT: 12.775 min Scan# 1647
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:172 Resp: 570610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 28.1 | 42.1 |
| 170 | 23.1 | 18.6 | 27.8 |



**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

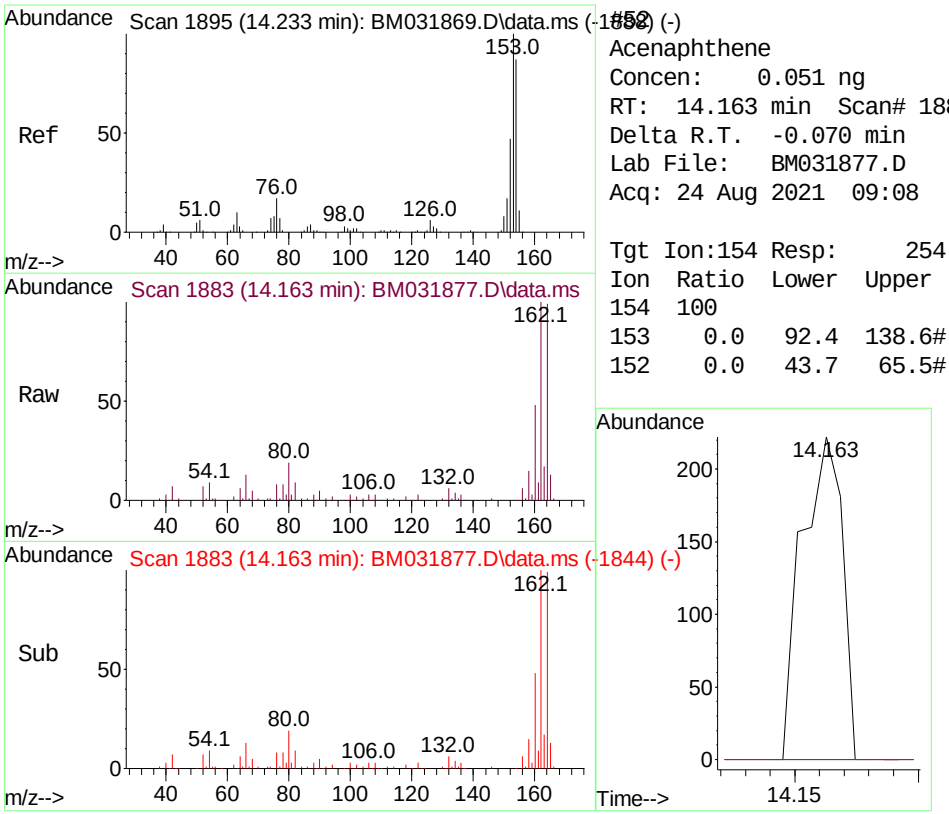



#46
1,1'-Biphenyl
Concen: 0.178 ng
RT: 12.775 min Scan# 1647
Delta R.T. -0.218 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:154 Resp: 1177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 744.1 | 20.3 | 60.3# |
| 76 | 1712.6 | 0.0 | 33.5# |



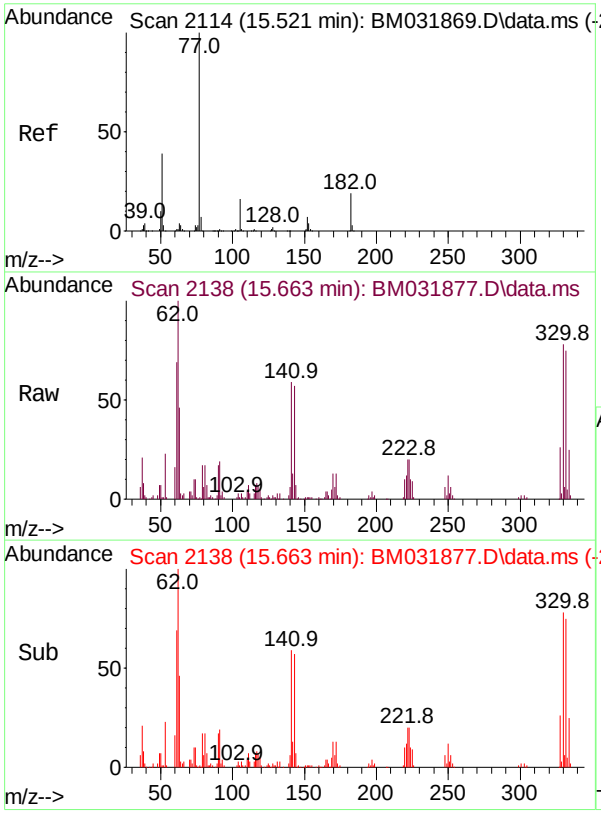




#52
Acenaphthene
Concen: 0.051 ng
RT: 14.163 min Scan# 1883
Delta R.T. -0.070 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:154 Resp: 254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 92.4 | 138.6# |
| 152 | 0.0 | 43.7 | 65.5# |

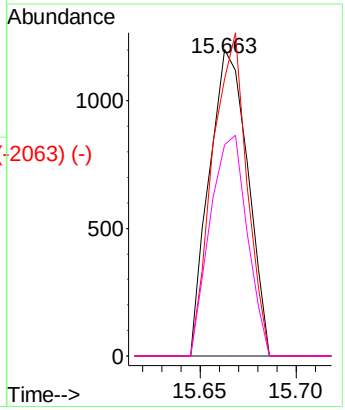
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

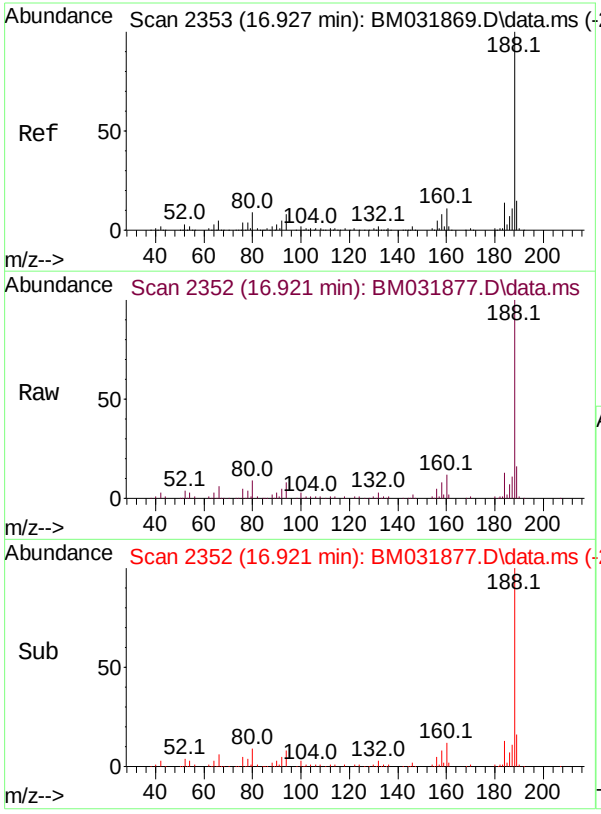



#63
Azobenzene
Concen: 0.200 ng
RT: 15.663 min Scan# 2138
Delta R.T. 0.141 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion: 77 Resp: 1679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 182 | 0.0 | 0.0 | 39.3 |
| 105 | 90.3 | 0.0 | 36.1# |
| 51 | 68.7 | 19.1 | 59.1# |

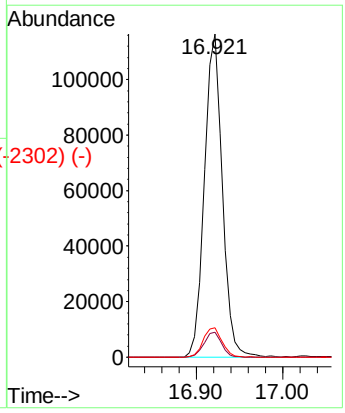


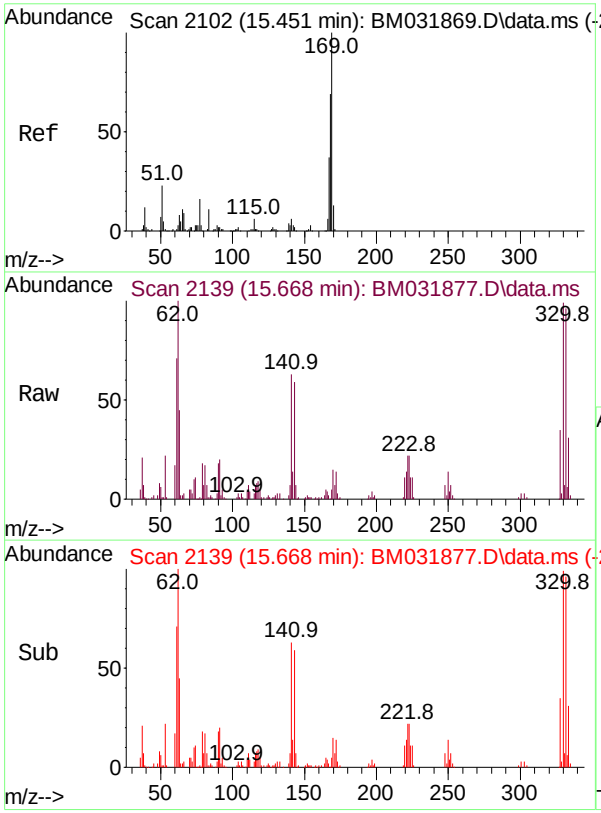

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.921 min Scan# 2352
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:188 Resp: 166754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.8 | 6.3 | 9.5 |
| 80 | 9.1 | 7.3 | 10.9 |



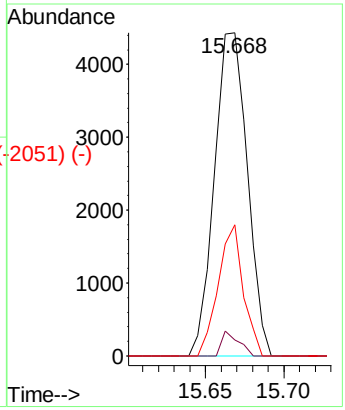
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

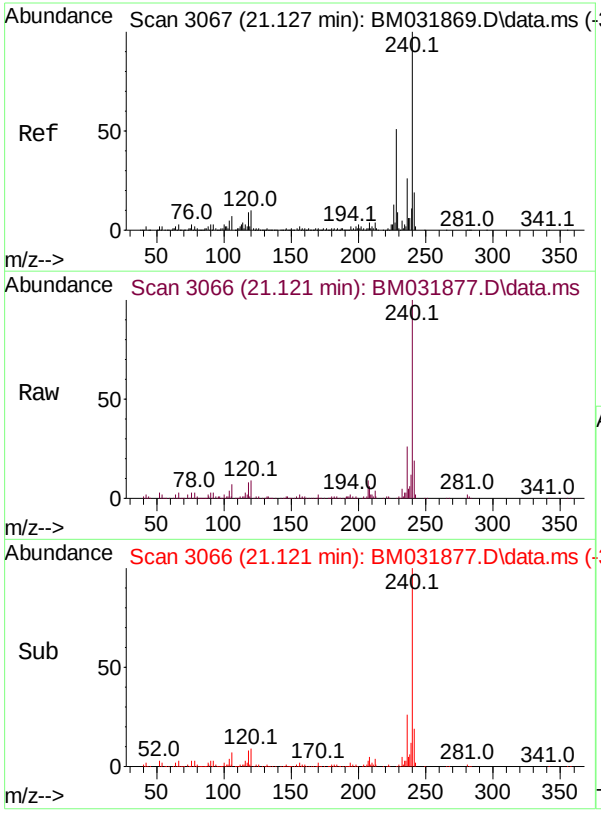



#66
n-Nitrosodiphenylamine
Concen: 1.148 ng
RT: 15.668 min Scan# 2139
Delta R.T. 0.218 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:169 Resp: 6465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 5.0 | 55.0 | 82.4# |
| 167 | 40.7 | 29.8 | 44.8 |

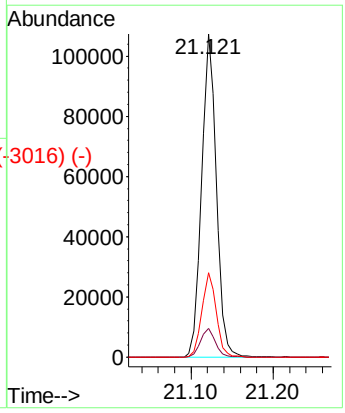


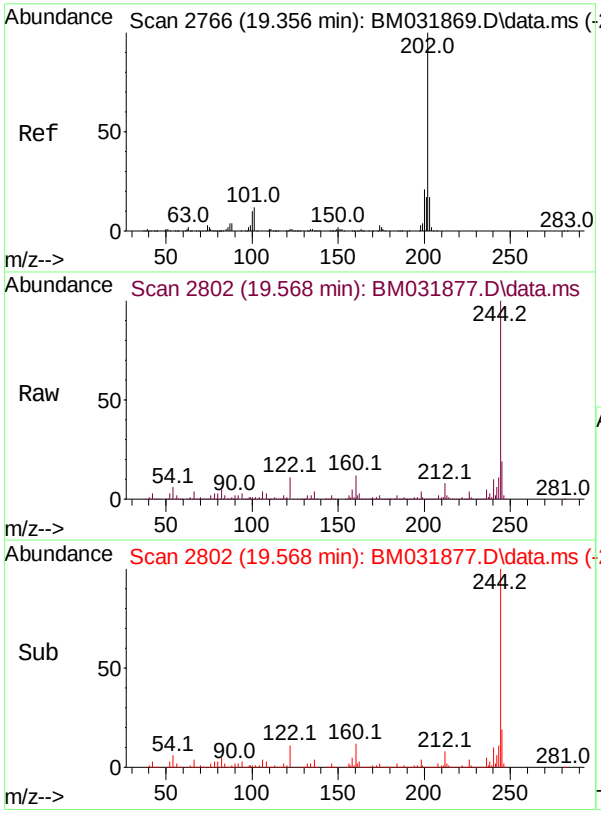

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.121 min Scan# 3066
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:240 Resp: 132758

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 7.8 | 11.6 |
| 236 | 26.2 | 20.9 | 31.3 |



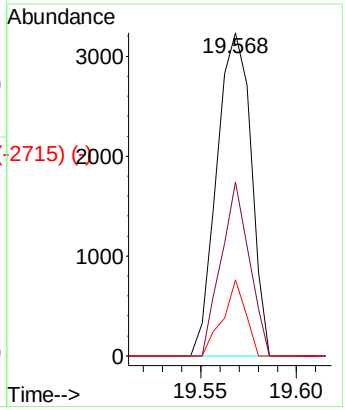
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

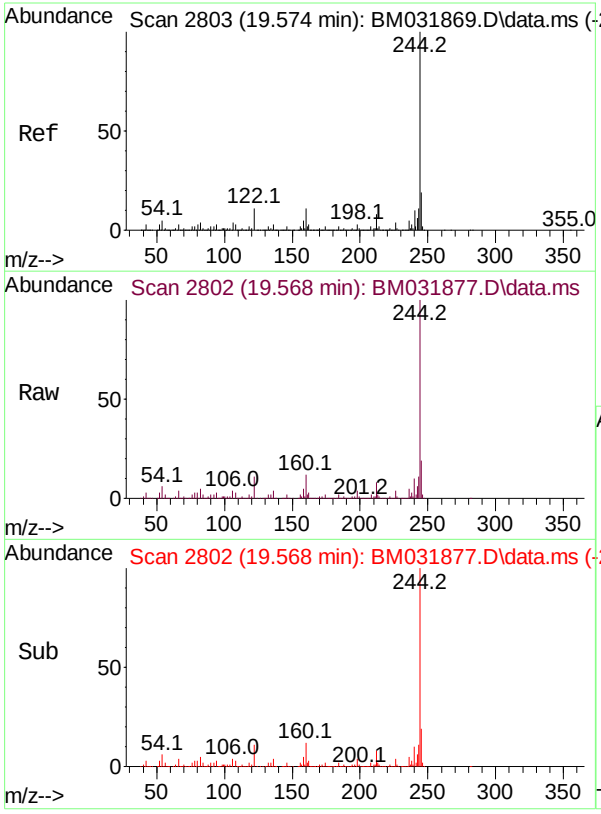



#78
Pyrene
Concen: 0.378 ng
RT: 19.568 min Scan# 2802
Delta R.T. 0.212 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:202 Resp: 4017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 53.8 | 16.6 | 25.0# |
| 203 | 23.5 | 13.7 | 20.5# |

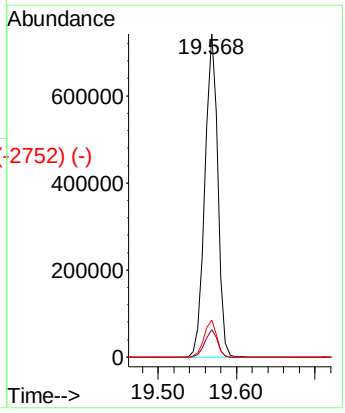


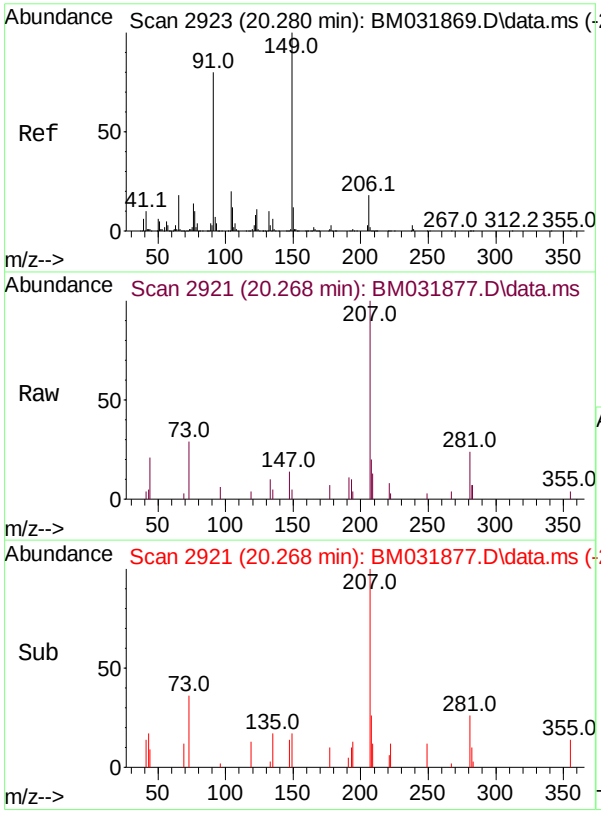

#79
Terphenyl-d14
Concen: 94.692 ng
RT: 19.568 min Scan# 2802
Delta R.T. -0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:244 Resp: 835597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 6.5 | 9.7 |
| 122 | 11.4 | 8.7 | 13.1 |



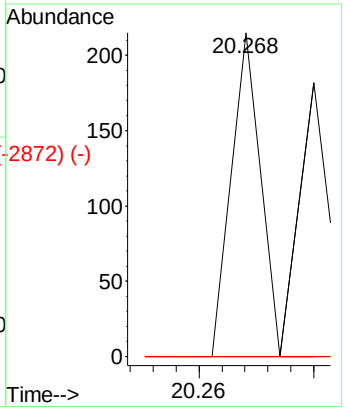
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

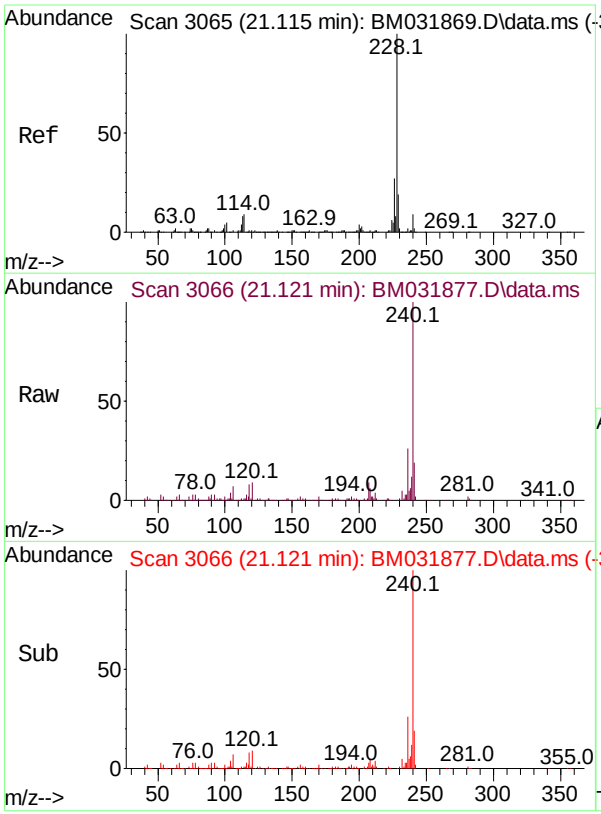



#87
Butylbenzylphthalate
Concen: 0.014 ng
RT: 20.268 min Scan# 2921
Delta R.T. -0.012 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:149 Resp: 76

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 0.0 | 64.0 | 96.0# |
| 206 | 0.0 | 14.4 | 21.6# |

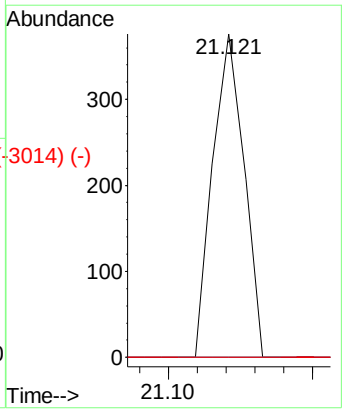


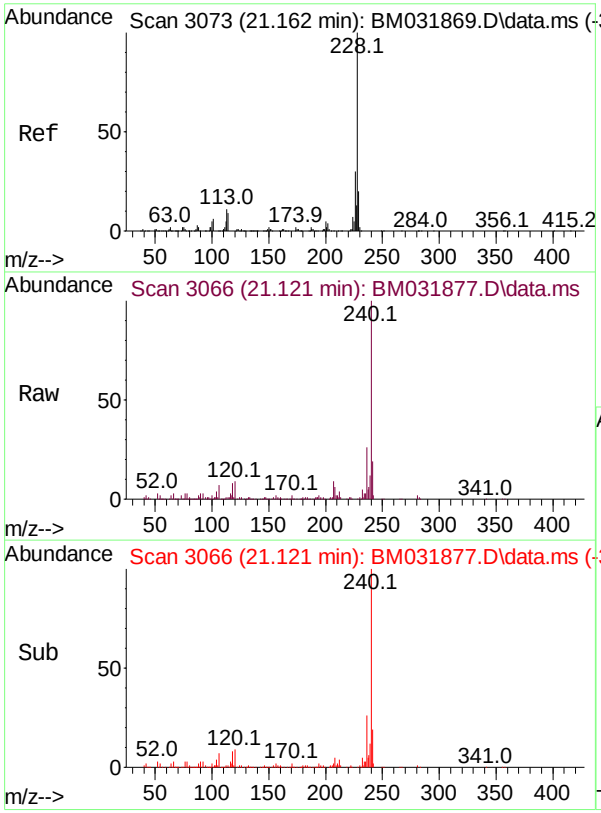

#89
Benzo(a)anthracene
Concen: 0.029 ng
RT: 21.121 min Scan# 3066
Delta R.T. 0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:228 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 21.4 | 32.2# |
| 229 | 0.0 | 15.3 | 22.9# |



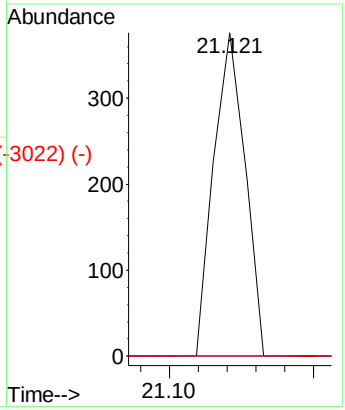
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

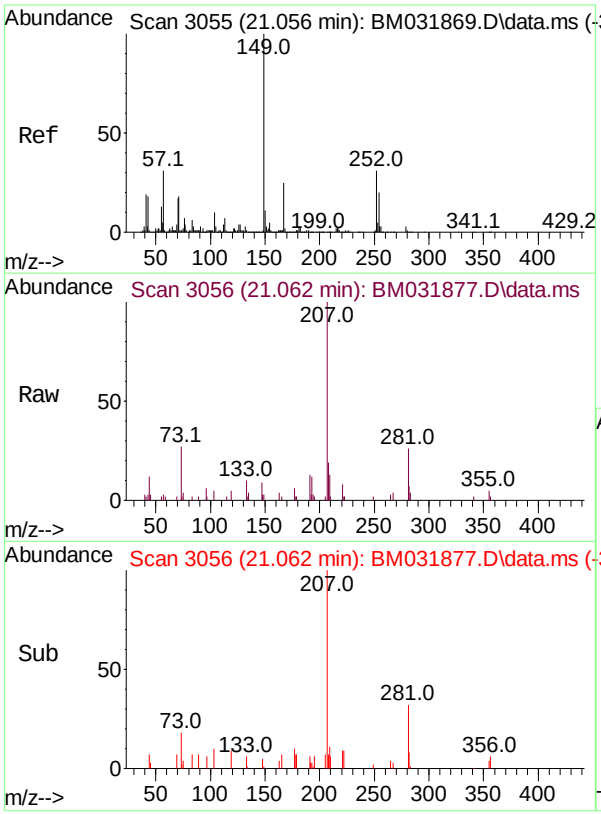



#83
Chrysene
Concen: 0.030 ng
RT: 21.121 min Scan# 3066
Delta R.T. -0.041 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:228 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 0.0 | 24.0 | 36.0# |
| 229 | 0.0 | 16.0 | 24.0# |

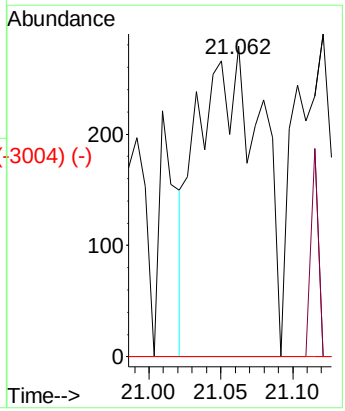


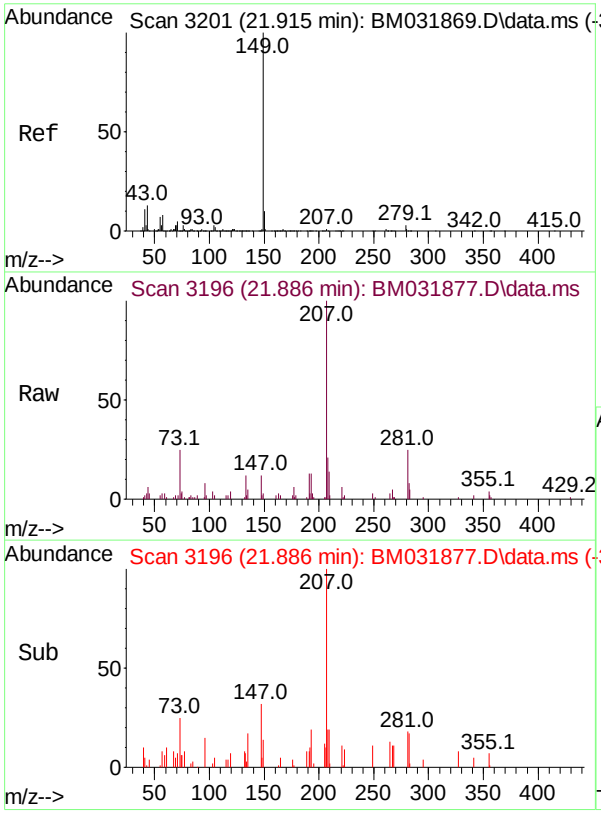

#84
Bis(2-ethylhexyl)phthalate
Concen: 0.104 ng
RT: 21.062 min Scan# 3056
Delta R.T. 0.006 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:149 Resp: 845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 19.7 | 29.5# |
| 279 | 0.0 | 2.6 | 4.0# |



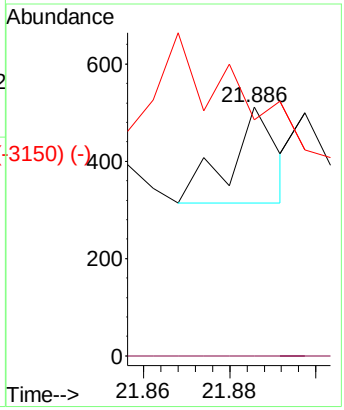
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

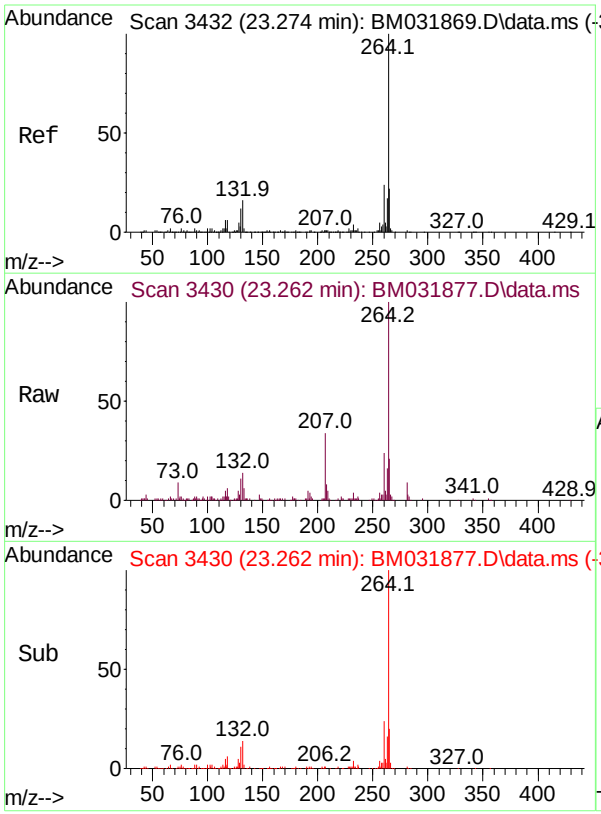



#85
Di-n-octyl phthalate
Concen: 0.012 ng
RT: 21.886 min Scan# 3196
Delta R.T. -0.029 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:149 Resp: 151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 0.0 | 1.2 | 1.8# |
| 43 | 217.2 | 10.4 | 15.6# |

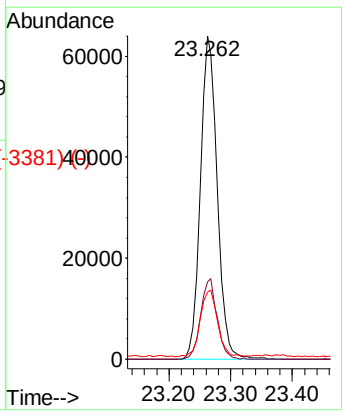


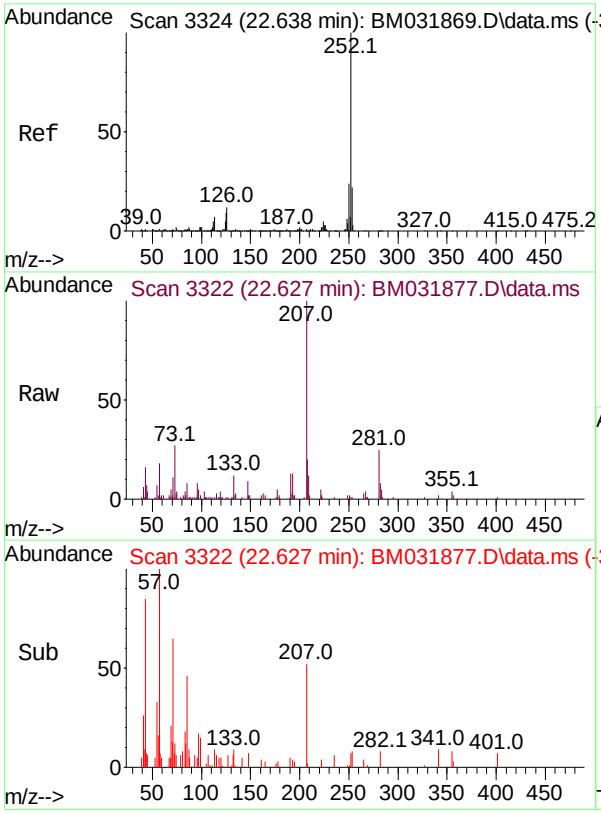

#86
Perylene-d12
Concen: 20.000 ng
RT: 23.262 min Scan# 3430
Delta R.T. -0.012 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:264 Resp: 120769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.3 | 28.9 |
| 265 | 20.8 | 18.3 | 27.5 |



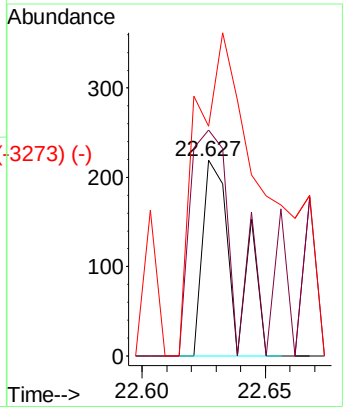
**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL

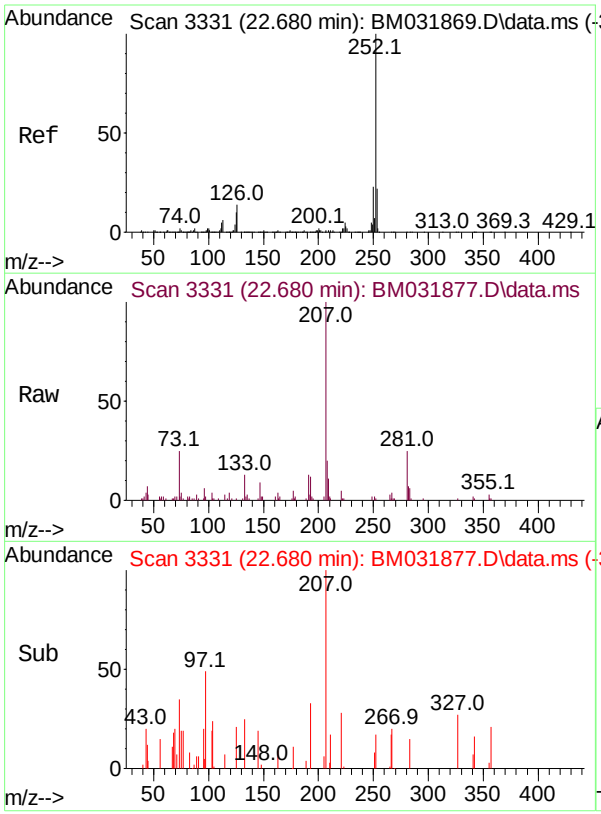



#88
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 22.627 min Scan# 3322
Delta R.T. -0.012 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:252 Resp: 199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 115.5 | 18.0 | 27.0# |
| 125 | 117.4 | 7.5 | 11.3# |

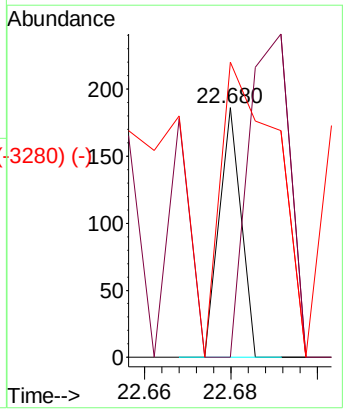


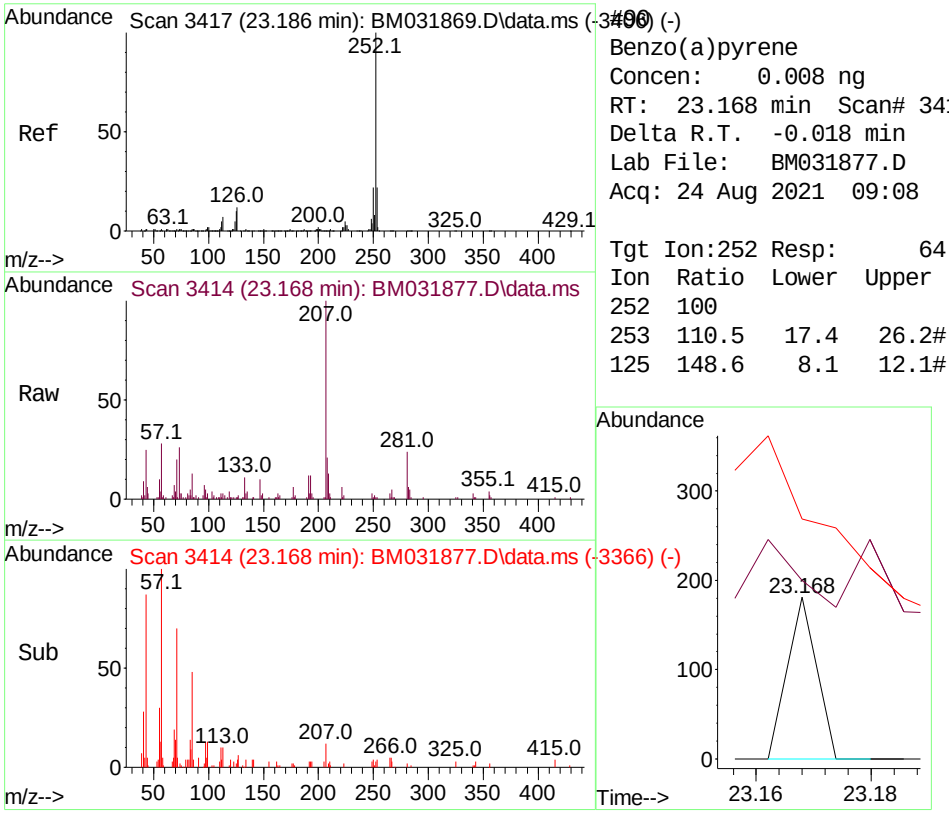




#89
Benzo(k)fluoranthene
Concen: 0.008 ng
RT: 22.680 min Scan# 3331
Delta R.T. 0.000 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:252 Resp: 66

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 0.0 | 17.3 | 25.9# |
| 125 | 118.3 | 7.5 | 11.3# |






#96
Benzo(a)pyrene
Concen: 0.008 ng
RT: 23.168 min Scan# 3414
Delta R.T. -0.018 min
Lab File: BM031877.D
Acq: 24 Aug 2021 09:08

Tgt Ion:252 Resp: 64

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 110.5 | 17.4 | 26.2# |
| 125 | 148.6 | 8.1 | 12.1# |




**Instrument :**
BNA_M
**ClientSampleId :**
PB138103BL