Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080921\
Data File : BM031597.D
Acq On : 09 Aug 2021 11:13
Operator : CG/JU
Sample : M3244-06MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** JCE05MS

Quant Time: Aug 09 11:48:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 09 10:16:43 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.580 | 152 | 1250 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.338 | 136 | 4661 | 0.400 | ng/ul | # 0.00 |
| 9) Acenaphthene-d10 | 14.212 | 164 | 2681 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.961 | 188 | 5424 | 0.400 | ng/ul | # 0.00 |
| 17) Chrysene-d12 | 21.159 | 240 | 4318 | 0.400 | ng/ul | # 0.00 |
| 23) Perylene-d12 | 23.317 | 264 | 4127 | 0.400 | ng/ul | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.193 | 96 | 303 | 0.218 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.935 | 152 | 1160 | 0.148 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.993 | 212 | 2198 | 0.153 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.224 | 88 | 791 | 0.564 | ng/ul# | 64 |
| 5) Naphthalene | 10.388 | 128 | 3755 | 0.270 | ng/ul | 98 |
| 7) 2-Methylnaphthalene | 12.007 | 142 | 1836 | 0.194 | ng/ul | 99 |
| 8) 1-Methylnaphthalene | 12.232 | 142 | 1558 | 0.166 | ng/ul | 99 |
| 10) Acenaphthylene | 13.932 | 152 | 1981 | 0.173 | ng/ul | 93 |
| 11) Acenaphthene | 14.273 | 153 | 1543 | 0.161 | ng/ul | 100 |
| 12) Fluorene | 15.266 | 166 | 1777 | 0.161 | ng/ul# | 97 |
| 14) Pentachlorophenol | 16.617 | 266 | 540 | 0.311 | ng/ul | 99 |
| 15) Phenanthrene | 17.003 | 178 | 3952 | 0.229 | ng/ul | 97 |
| 16) Anthracene | 17.093 | 178 | 2189 | 0.136 | ng/ul# | 91 |
| 19) Fluoranthene | 19.024 | 202 | 4076 | 0.221 | ng/ul# | 79 |
| 20) Pyrene | 19.390 | 202 | 3835 | 0.205 | ng/ul# | 81 |
| 21) Benzo(a)anthracene | 21.142 | 228 | 2974 | 0.171 | ng/ul# | 88 |
| 22) Chrysene | 21.193 | 228 | 3760 | 0.208 | ng/ul# | 94 |
| 24) Benzo(b)fluoranthene | 22.677 | 252 | 3555 | 0.191 | ng/ul# | 1 |
| 25) Benzo(k)fluoranthene | 22.718 | 252 | 3094 | 0.161 | ng/ul# | 1 |
| 26) Benzo(a)pyrene | 23.225 | 252 | 2333 | 0.143 | ng/ul# | 1 |
| 27) Indeno(1,2,3-cd)pyrene | 25.461 | 276 | 3034 | 0.144 | ng/ul# | 57 |
| 28) Dibenzo(a,h)anthracene | 25.471 | 278 | 2378 | 0.140 | ng/ul# | 23 |
| 29) Benzo(g,h,i)perylene | 26.110 | 276 | 2586 | 0.144 | ng/ul# | 61 |

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

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**ClientSampleId :**
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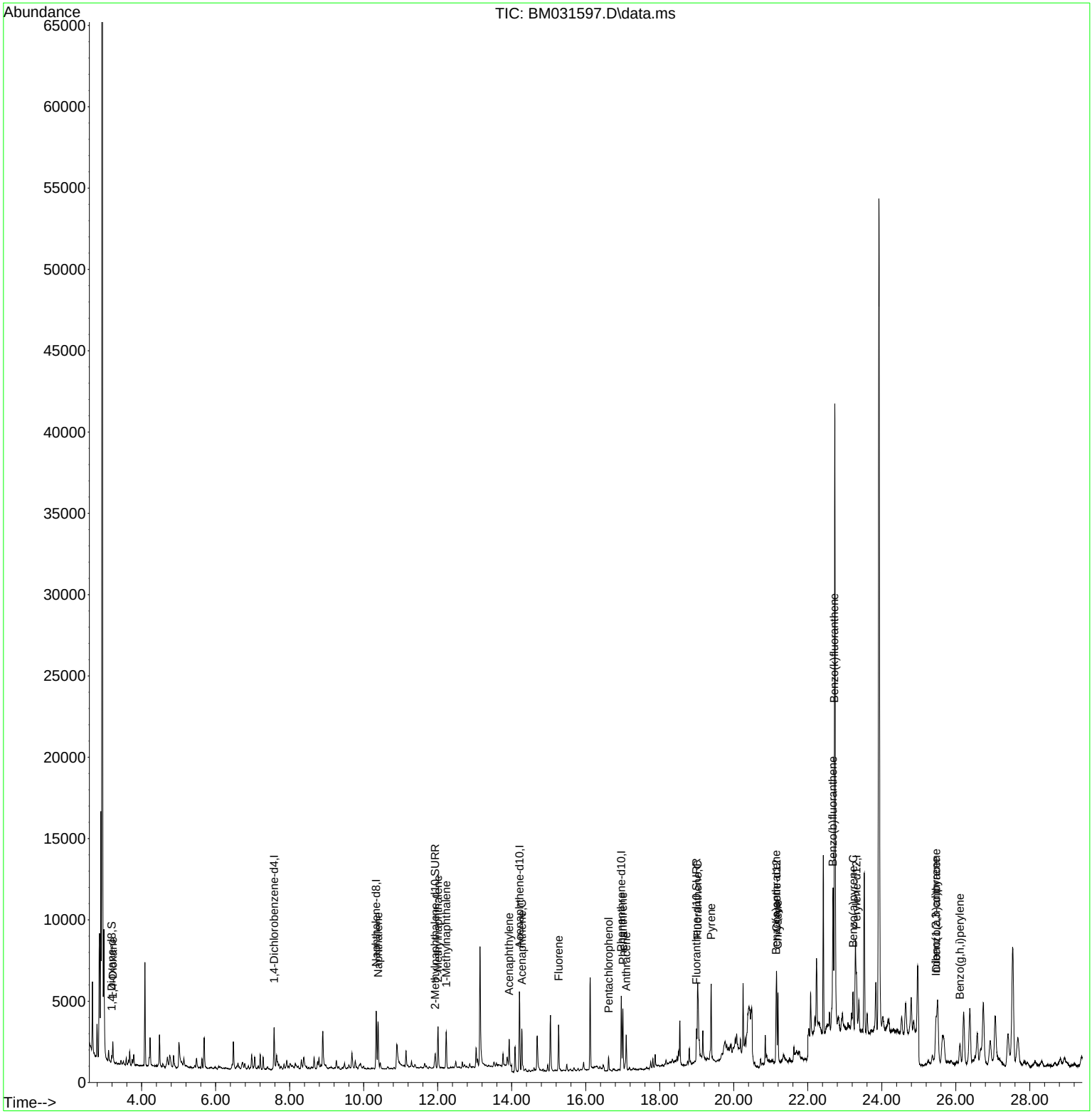
Quant Time: Aug 09 11:48:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM072821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 09 10:16:43 2021
Response via : Initial Calibration



**Instrument :**
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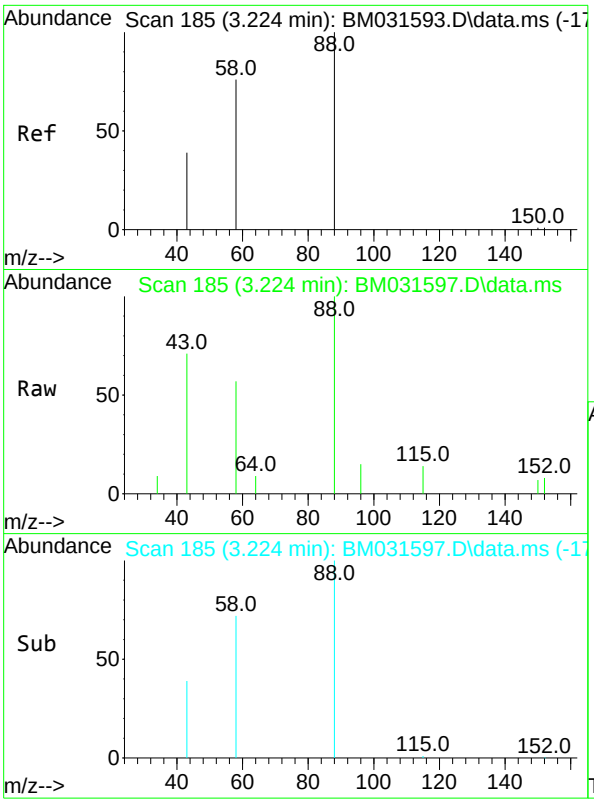
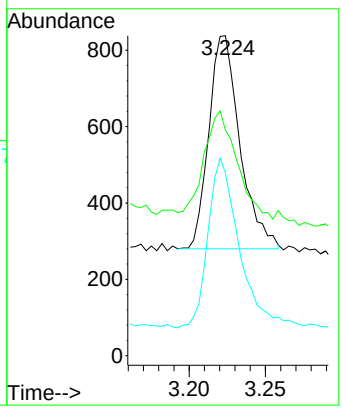
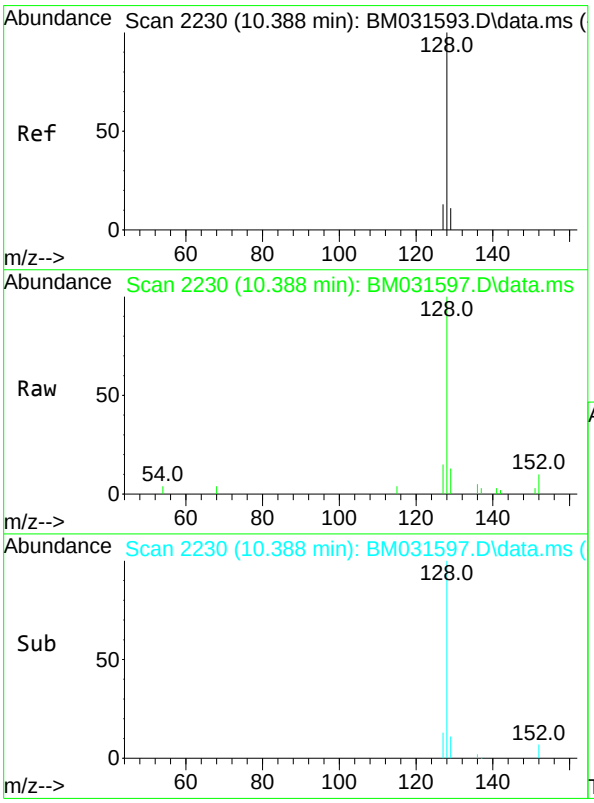



#2
1,4-Dioxane
Concen: 0.564 ng/ul
RT: 3.224 min Scan# 185
Delta R.T. 0.000 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion: 88 Resp: 791

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 70.5 | 29.7 | 44.5# |
| 58 | 57.0 | 35.6 | 53.4# |

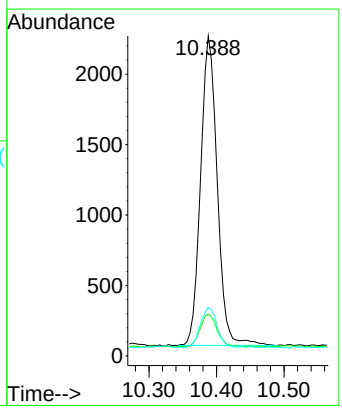



#5
Naphthalene
Concen: 0.270 ng/ul
RT: 10.388 min Scan# 2230
Delta R.T. 0.000 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:128 Resp: 3755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.1 | 10.0 | 15.0 |
| 127 | 15.2 | 11.6 | 17.4 |



**Instrument :**
BNA_M
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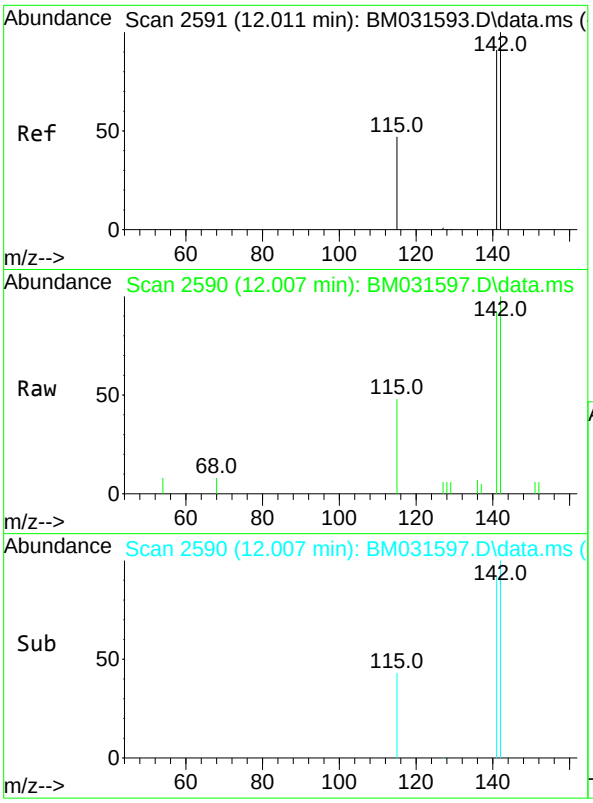
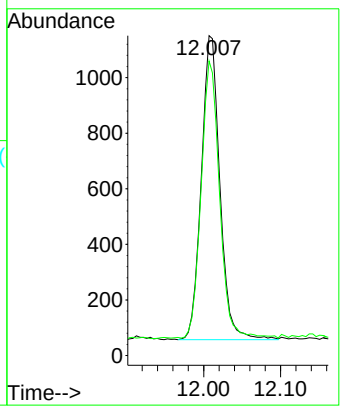
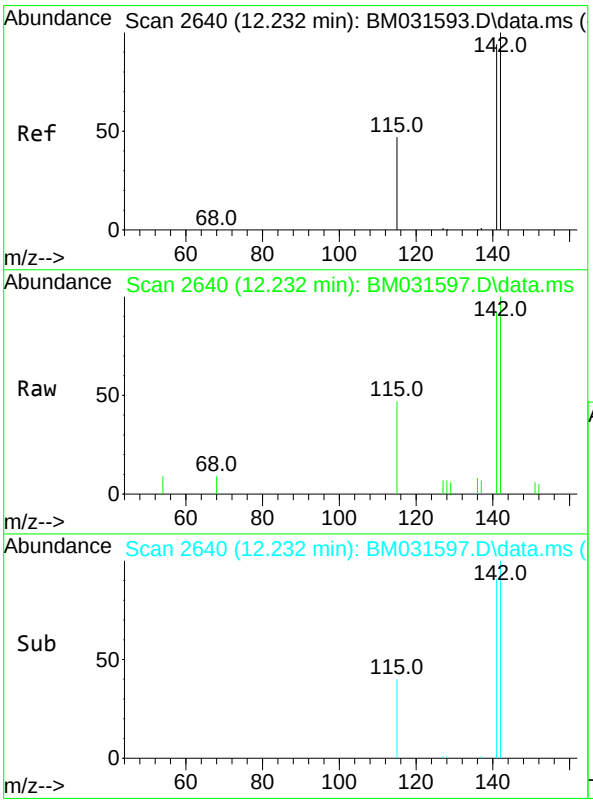



#7
2-Methylnaphthalene
Concen: 0.194 ng/ul
RT: 12.007 min Scan# 2590
Delta R.T. -0.004 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:142 Resp: 1836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.3 | 71.4 | 107.0 |

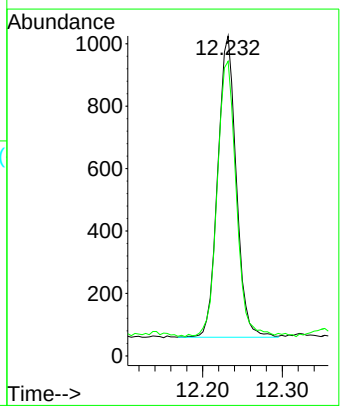


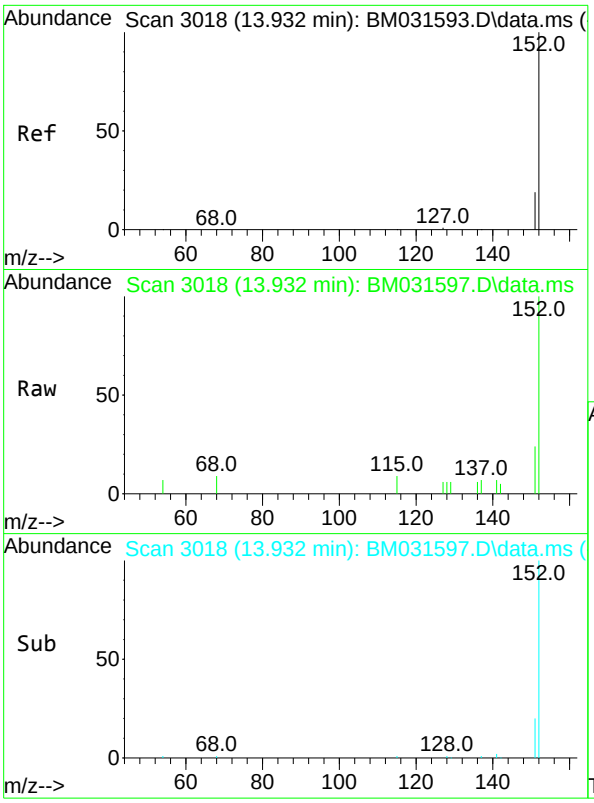




#8
1-Methylnaphthalene
Concen: 0.166 ng/ul
RT: 12.232 min Scan# 2640
Delta R.T. 0.000 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:142 Resp: 1558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.7 | 74.1 | 111.1 |

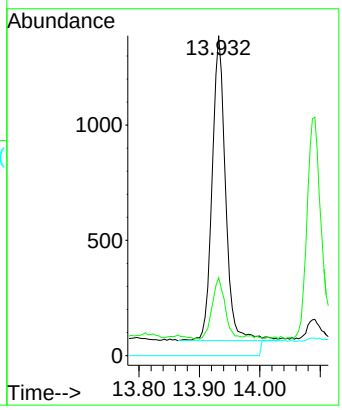





#10
Acenaphthylene
Concen: 0.173 ng/ul
RT: 13.932 min Scan# 3018
Delta R.T. 0.000 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:152 Resp: 1981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 24.4 | 16.9 | 25.3 |
| 153 | 0.0 | 0.0 | 0.0 |




**Instrument :**
BNA_M
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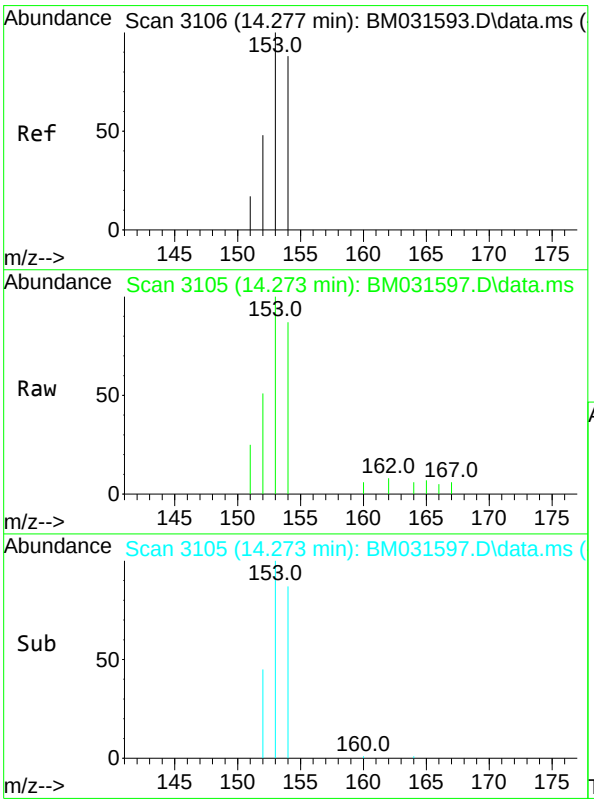
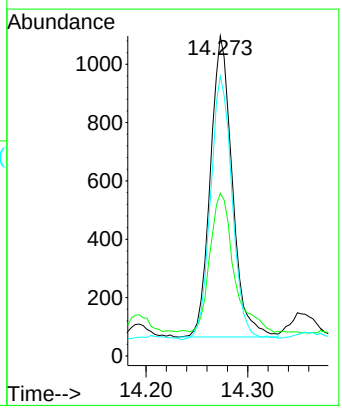
JCE05MS

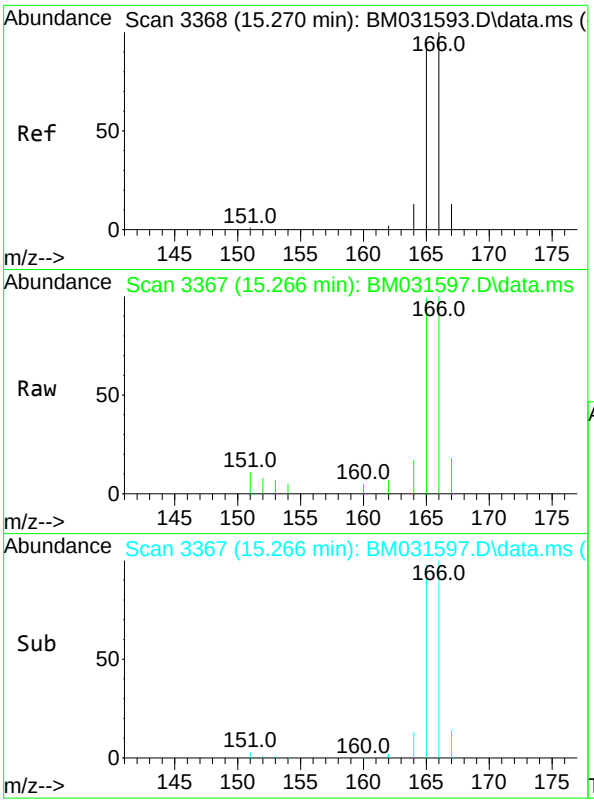



#11
Acenaphthene
Concen: 0.161 ng/ul
RT: 14.273 min Scan# 3105
Delta R.T. -0.004 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:153 Resp: 1543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.9 | 40.7 | 61.1 |
| 154 | 87.4 | 70.2 | 105.2 |

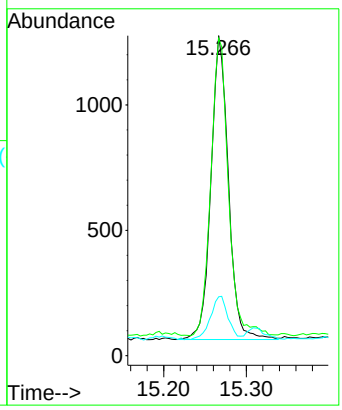




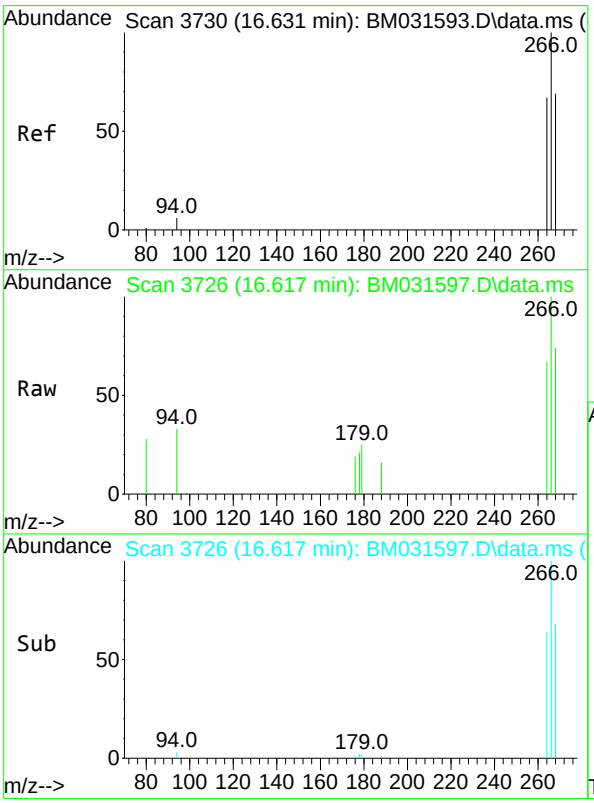

#12
Fluorene
Concen: 0.161 ng/ul
RT: 15.266 min Scan# 3367
Delta R.T. -0.004 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:166 Resp: 1777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.2 | 78.0 | 117.0 |
| 167 | 18.4 | 12.0 | 18.0# |



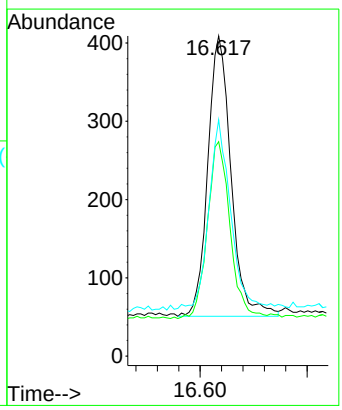

**Instrument :**
BNA_M
**ClientSampleId :**
JCE05MS



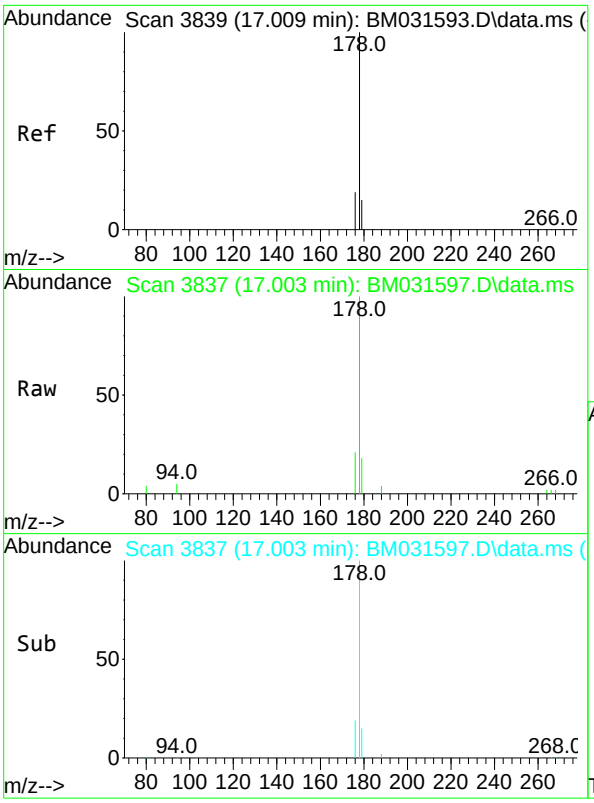

#14
Pentachlorophenol
Concen: 0.311 ng/ul
RT: 16.617 min Scan# 3726
Delta R.T. -0.014 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:266 Resp: 540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 61.7 | 50.1 | 75.1 |
| 268 | 64.1 | 51.3 | 76.9 |



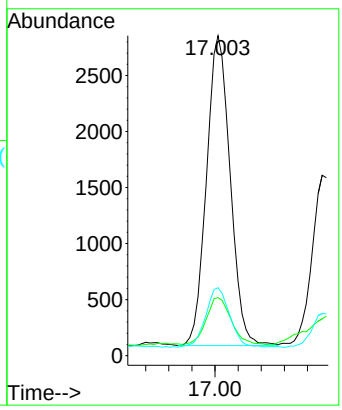
**Instrument :**
BNA_M
**ClientSampleId :**
JCE05MS

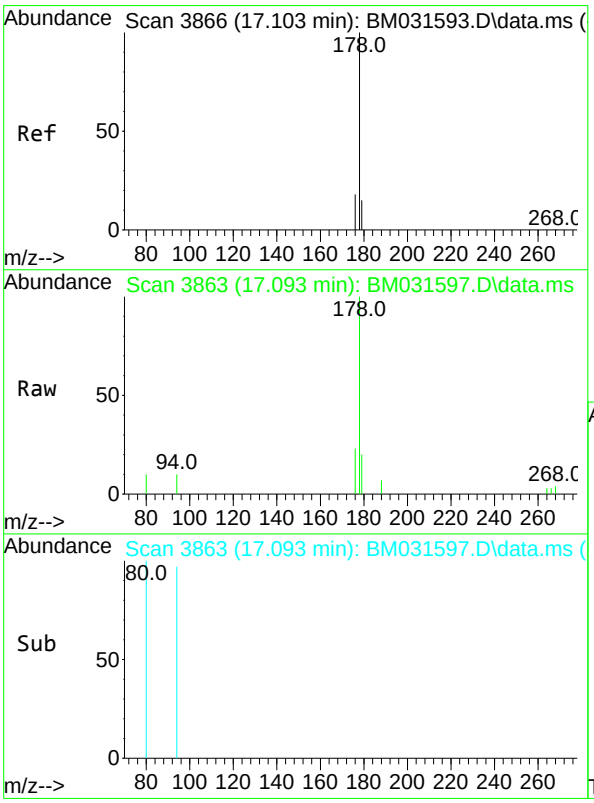



#15
Phenanthrene
Concen: 0.229 ng/ul
RT: 17.003 min Scan# 3837
Delta R.T. -0.007 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:178 Resp: 3952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.1 | 13.3 | 19.9 |
| 176 | 21.3 | 16.2 | 24.4 |

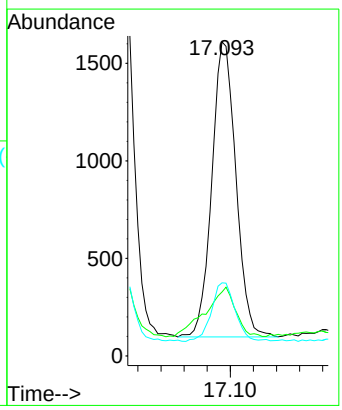



#16
Anthracene
Concen: 0.136 ng/ul
RT: 17.093 min Scan# 3863
Delta R.T. -0.010 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:178 Resp: 2189

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.4 | 13.0 | 19.6# |
| 176 | 23.3 | 15.6 | 23.4 |



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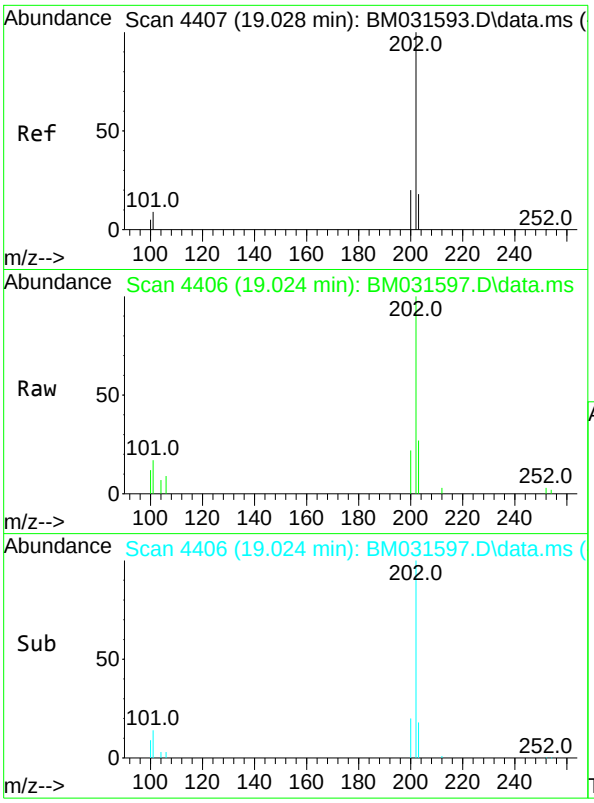
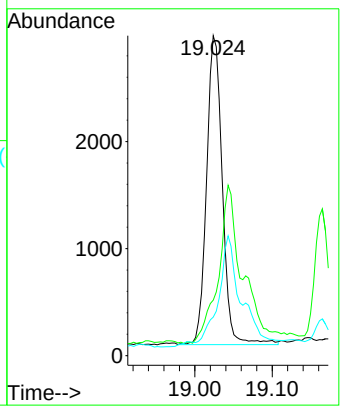
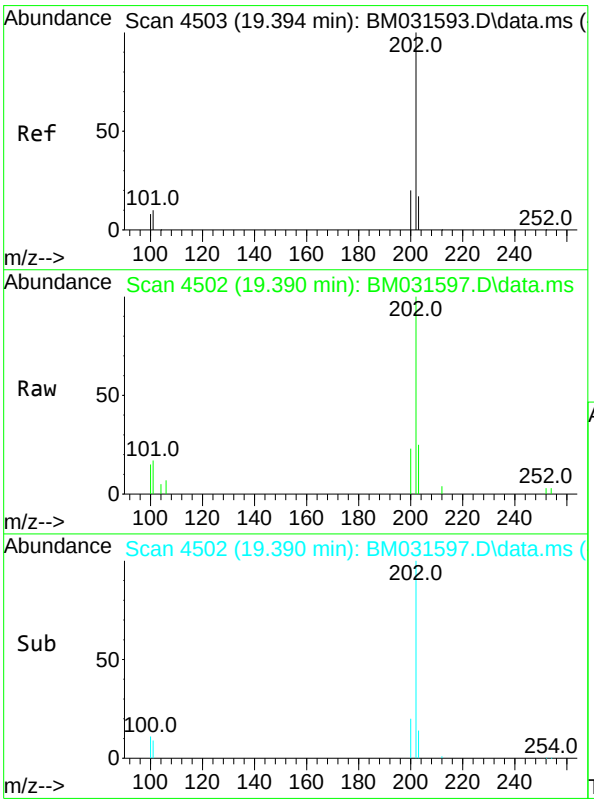



#19
Fluoranthene
Concen: 0.221 ng/ul
RT: 19.024 min Scan# 4406
Delta R.T. -0.004 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:202 Resp: 4076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.4 | 6.6 | 10.0# |
| 100 | 12.0 | 5.4 | 8.0# |

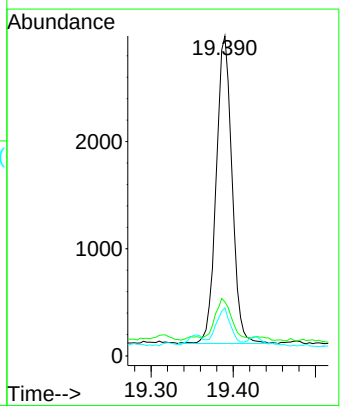



#20
Pyrene
Concen: 0.205 ng/ul
RT: 19.390 min Scan# 4502
Delta R.T. -0.004 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:202 Resp: 3835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.9 | 7.8 | 11.6# |
| 100 | 15.0 | 6.6 | 10.0# |



**Instrument :**
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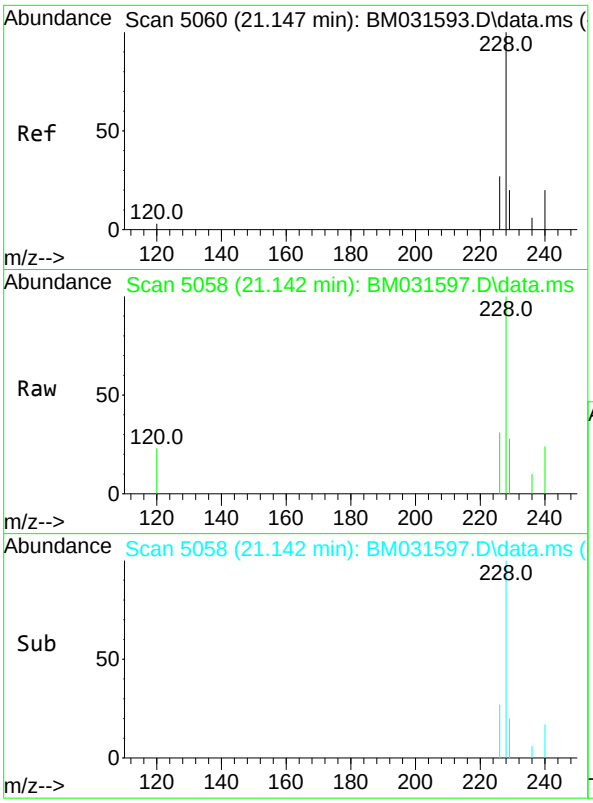
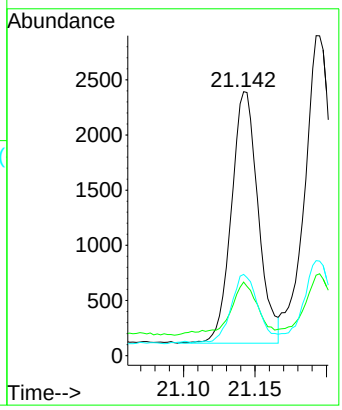
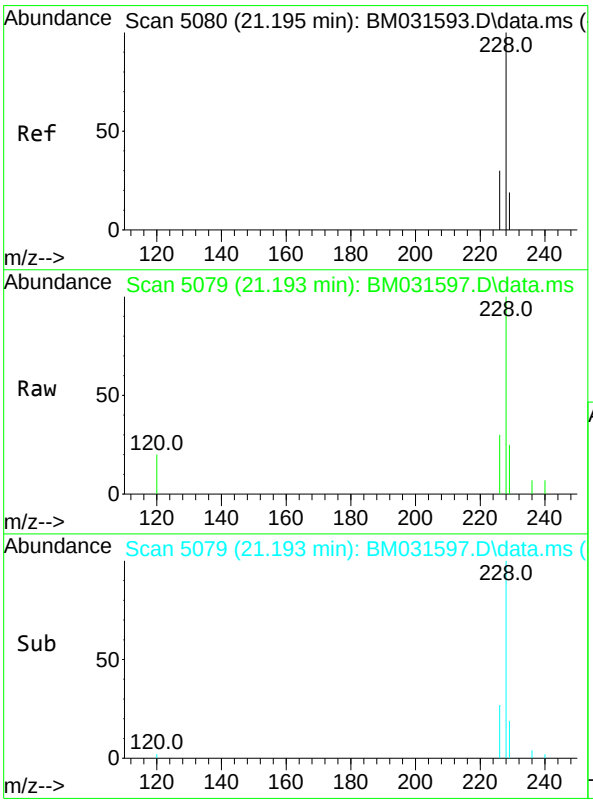



#21
Benzo(a)anthracene
Concen: 0.171 ng/ul
RT: 21.142 min Scan# 5058
Delta R.T. -0.005 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:228 Resp: 2974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 27.9 | 15.6 | 23.4# |
| 226 | 30.8 | 21.7 | 32.5 |

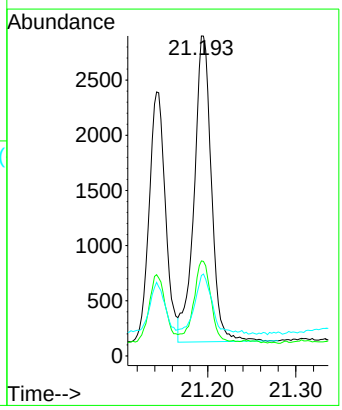


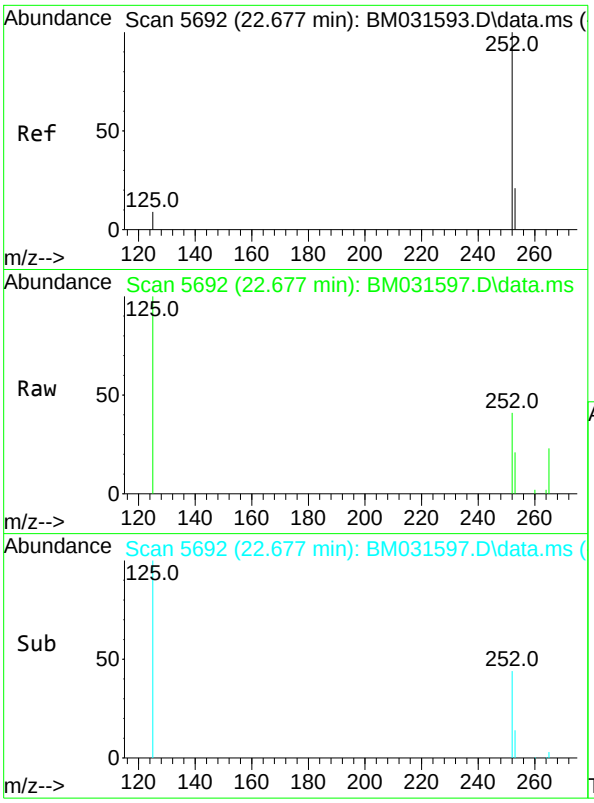




#22
Chrysene
Concen: 0.208 ng/ul
RT: 21.193 min Scan# 5079
Delta R.T. -0.002 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:228 Resp: 3760

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 24.7 | 37.1 |
| 229 | 25.2 | 16.2 | 24.2# |

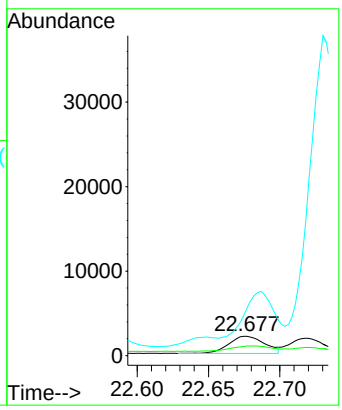





#24
Benzo(b)fluoranthene
Concen: 0.191 ng/ul
RT: 22.677 min Scan# 5692
Delta R.T. 0.000 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:252 Resp: 3555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 50.2 | 0.0 | 53.0 |
| 125 | 244.5 | 0.0 | 22.8# |




**Instrument :**
BNA_M
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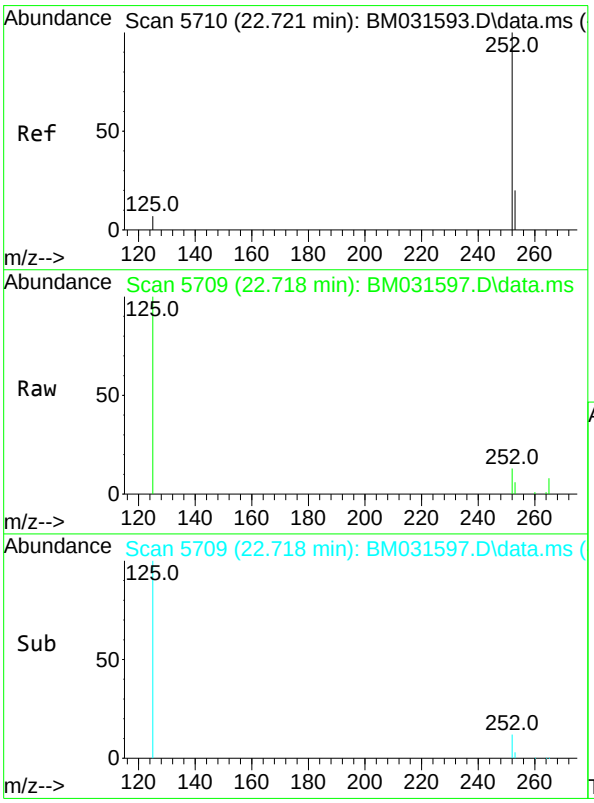
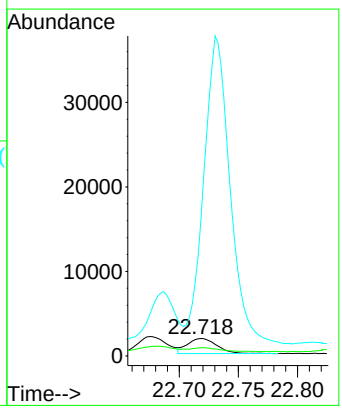
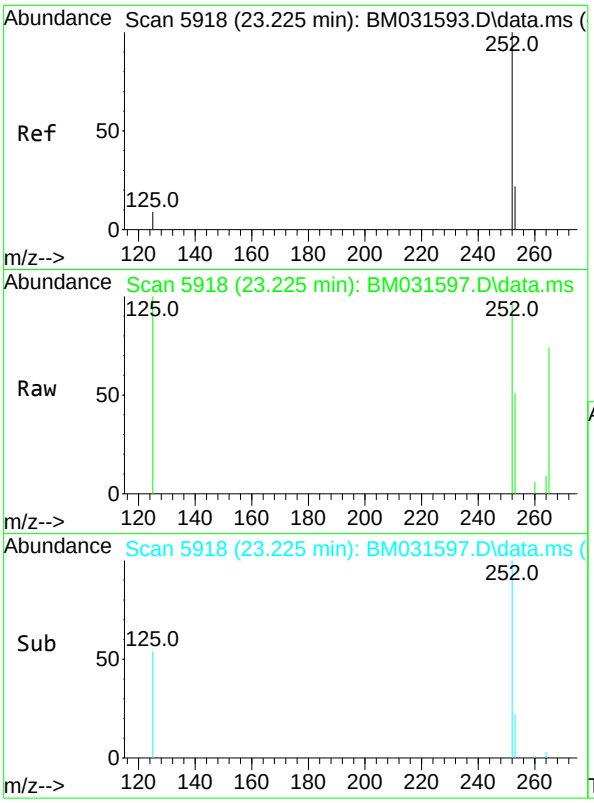



#25
Benzo(k)fluoranthene
Concen: 0.161 ng/ul
RT: 22.718 min Scan# 5709
Delta R.T. -0.002 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:252 Resp: 3094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 46.4 | 21.3 | 31.9# |
| 125 | 777.5 | 8.8 | 13.2# |

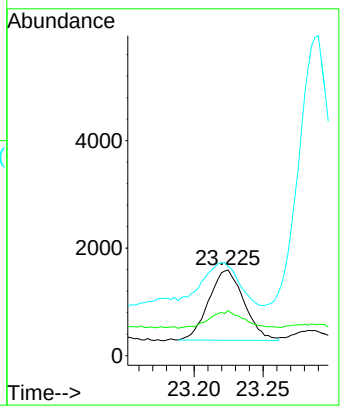




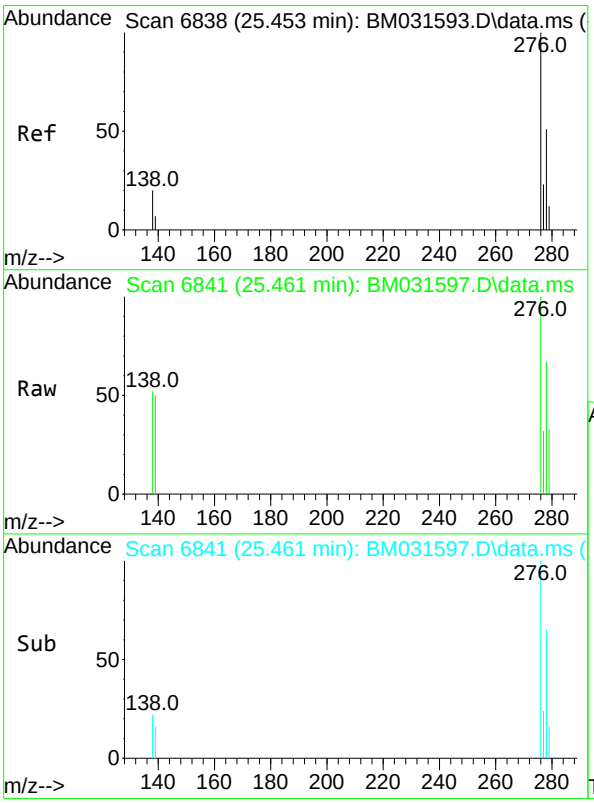

#26
Benzo(a)pyrene
Concen: 0.143 ng/ul
RT: 23.225 min Scan# 5918
Delta R.T. 0.000 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:252 Resp: 2333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 52.6 | 22.4 | 33.6# |
| 125 | 103.6 | 13.0 | 19.4# |



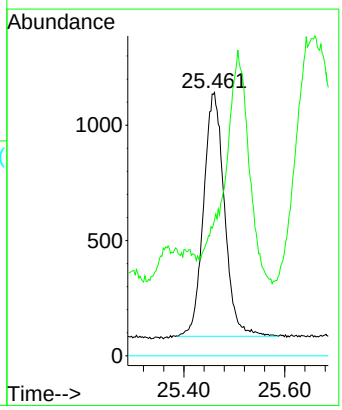

**Instrument :**
BNA_M
**ClientSampleId :**
JCE05MS



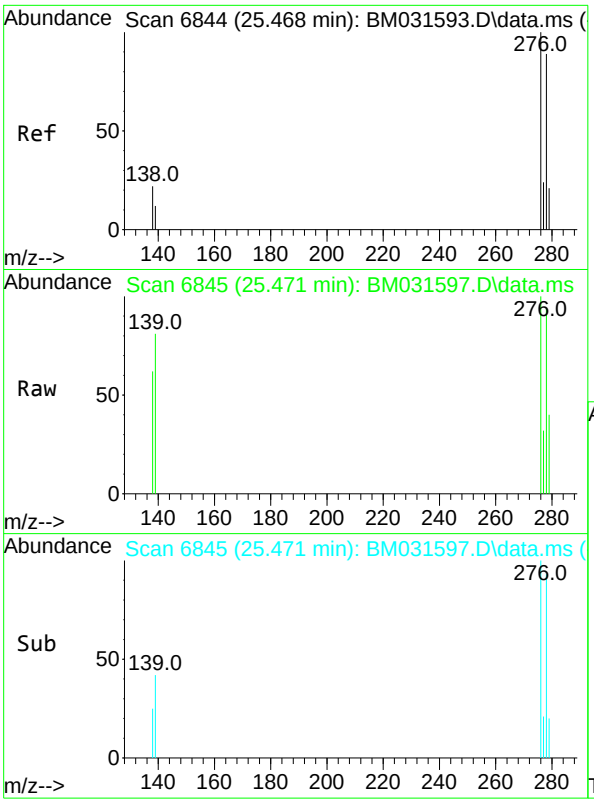

#27
Indeno(1,2,3-cd)pyrene
Concen: 0.144 ng/ul
RT: 25.461 min Scan# 6841
Delta R.T. 0.007 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:276 Resp: 3034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 0.0 | 15.8 | 23.8# |
| 227 | 0.0 | 0.0 | 0.0 |



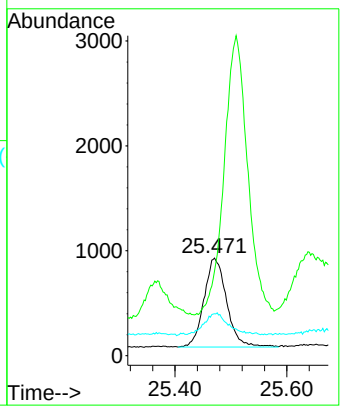
**Instrument :**
BNA_M
**ClientSampleId :**
JCE05MS

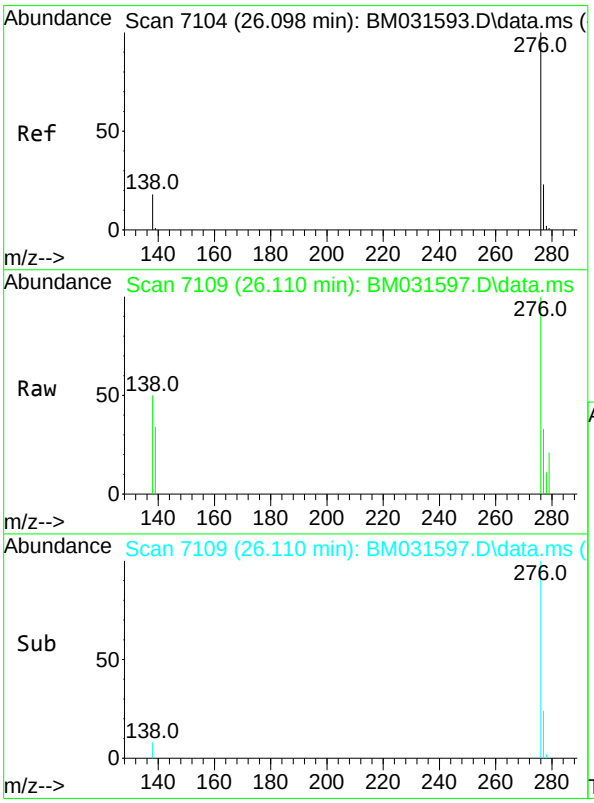



#28
Dibenzo(a,h)anthracene
Concen: 0.140 ng/ul
RT: 25.471 min Scan# 6845
Delta R.T. 0.002 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:278 Resp: 2378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 86.8 | 13.3 | 19.9# |
| 279 | 42.9 | 22.8 | 34.2# |




#29
Benzo(g,h,i)perylene
Concen: 0.144 ng/ul
RT: 26.110 min Scan# 7109
Delta R.T. 0.012 min
Lab File: BM031597.D
Acq: 09 Aug 2021 11:13

Tgt Ion:276 Resp: 2586

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 50.4 | 15.4 | 23.2# |
| 277 | 33.0 | 19.9 | 29.9# |