Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101521\
Data File : BM032538.D
Acq On : 15 Oct 2021 22:41
Operator : CG/JU
Sample : M4029-06
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
C00R1

**Manual Integrations APPROVED**
mohammad
10/18/2021 12:42:01 PM

Quant Time: Oct 18 04:09:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM101421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 15 12:37:00 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.557 | 152 | 6868 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.339 | 136 | 20452 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.209 | 164 | 9526 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.946 | 188 | 16902 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.123 | 240 | 12154 | 0.40 | ng/ul | -0.01 |
| 23) Perylene-d12 | 23.254 | 264 | 12495 | 0.40 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 2.924 | 96 | 15986 | 2.08 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.936 | 152 | 3120 | 0.11 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.973 | 212 | 5305 | 0.14 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 5) Naphthalene | 10.389 | 128 | 2127 | 0.03 | ng/ul# | 89 |
| 7) 2-Methylnaphthalene | 12.008 | 142 | 1079 | 0.03 | ng/ul | 99 |
| 10) Acenaphthylene | 13.928 | 152 | 858 | 0.02 | ng/ul# | 81 |
| 15) Phenanthrene | 16.988 | 178 | 11127 | 0.20 | ng/ul | 99 |
| 16) Anthracene | 17.078 | 178 | 1349 | 0.03 | ng/ul# | 84 |
| 19) Fluoranthene | 19.004 | 202 | 32179 | 0.54 | ng/ul | 99 |
| 20) Pyrene | 19.366 | 202 | 29251 | 0.47 | ng/ul | 98 |
| 21) Benzo(a)anthracene | 21.106 | 228 | 9478 | 0.20 | ng/ul | 98 |
| 22) Chrysene | 21.157 | 228 | 15538 | 0.30 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.624 | 252 | 20878m | 0.36 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.661 | 252 | 7874m | 0.14 | ng/ul | |
| 26) Benzo(a)pyrene | 23.162 | 252 | 13117 | 0.27 | ng/ul | 93 |
| 27) Indeno(1,2,3-cd)pyrene | 25.360 | 276 | 10916 | 0.18 | ng/ul# | 89 |
| 28) Dibenzo(a,h)anthracene | 25.355 | 278 | 2279 | 0.05 | ng/ul# | 61 |
| 29) Benzo(g,h,i)perylene | 26.002 | 276 | 10520 | 0.20 | ng/ul | 98 |

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

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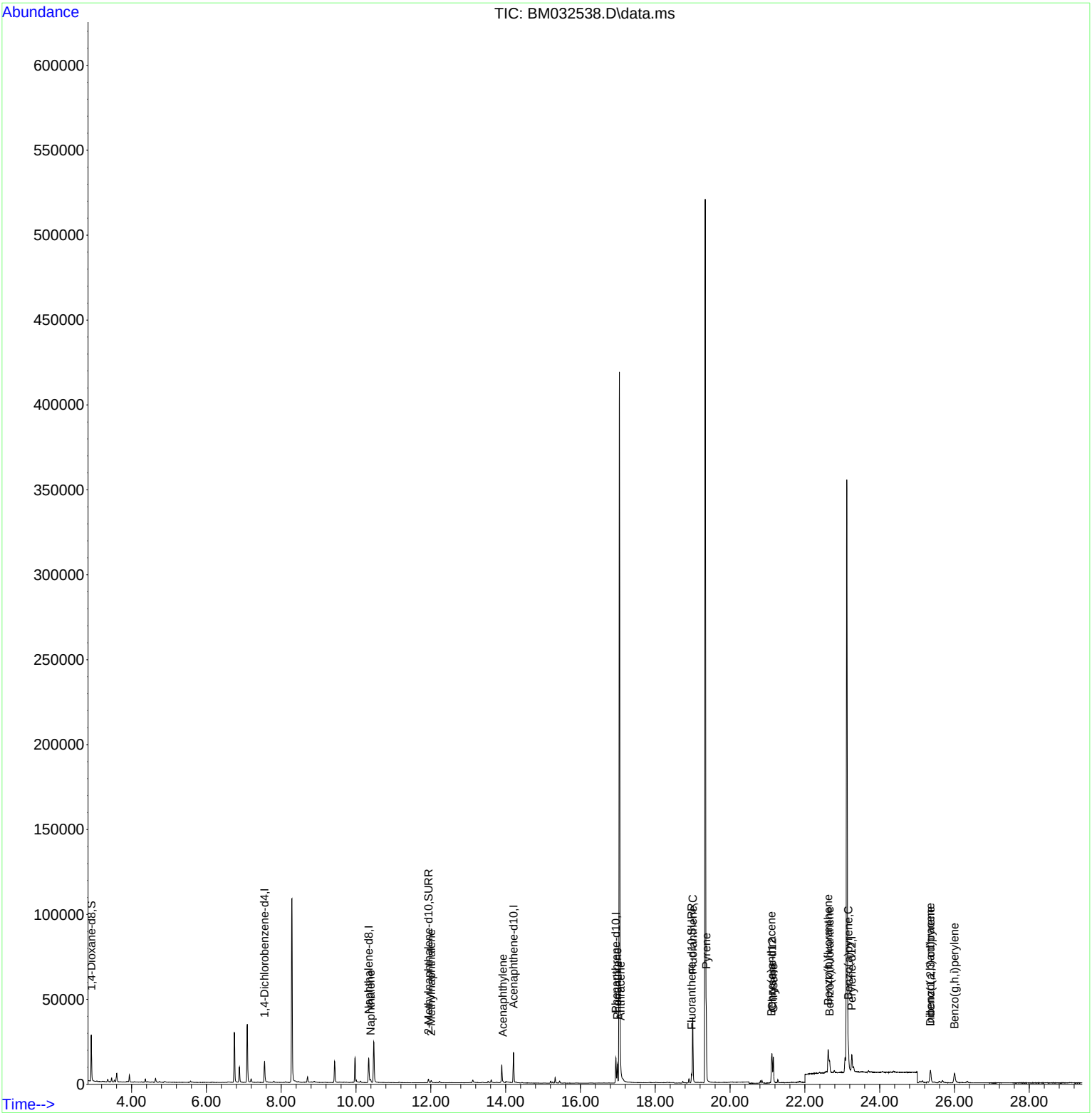
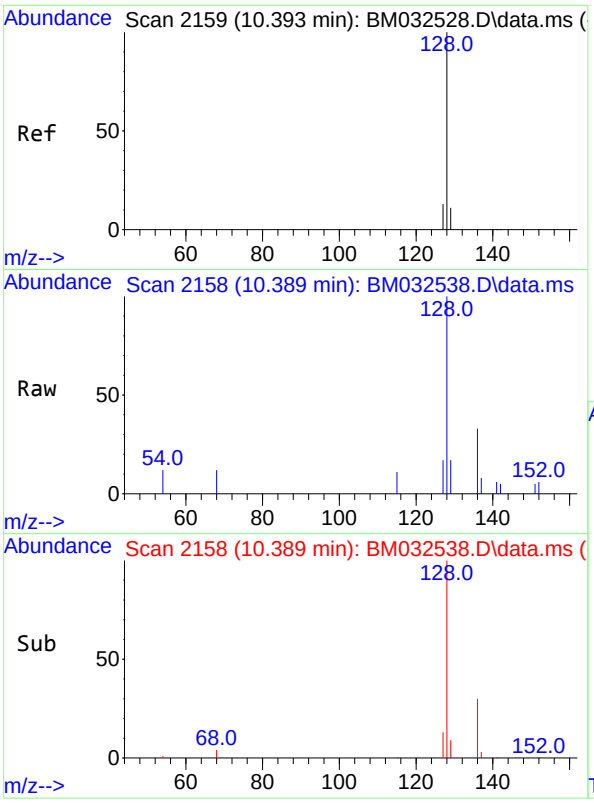
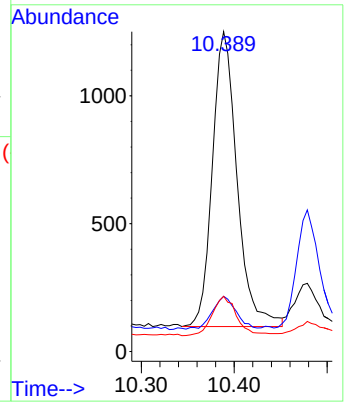





#5
Naphthalene
Concen: 0.03 ng/ul
RT: 10.389 min Scan# 2158
Delta R.T. -0.004 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:128 Resp: 2127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 17.3 | 9.1 | 13.7# |
| 127 | 17.3 | 11.1 | 16.7# |

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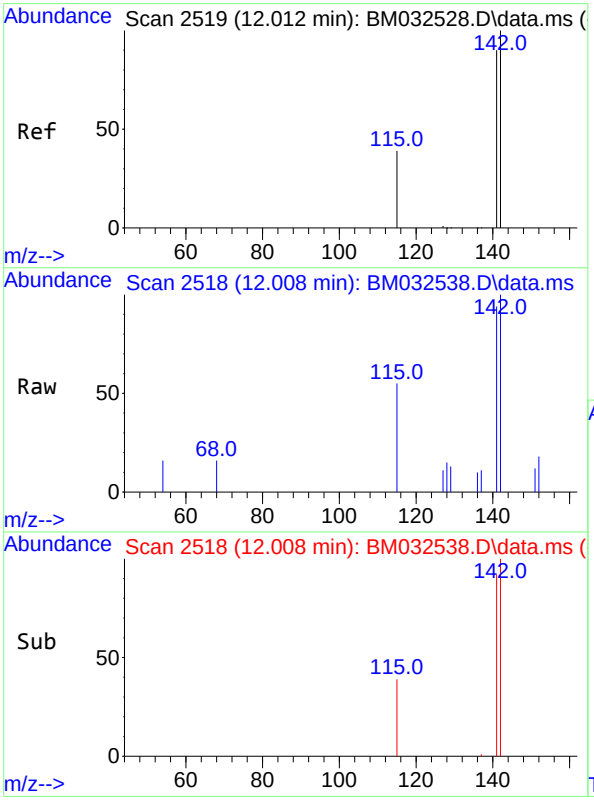
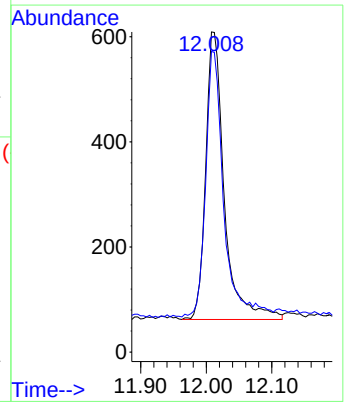
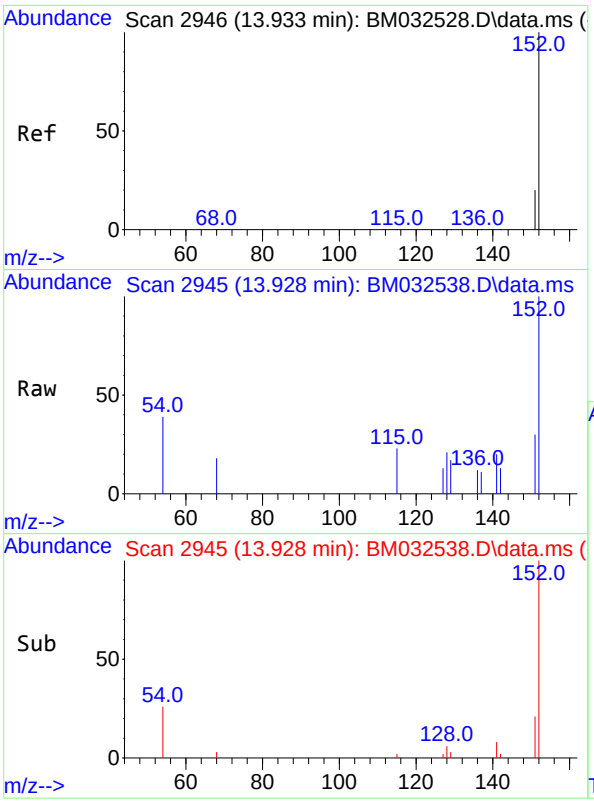



#7
2-Methylnaphthalene
Concen: 0.03 ng/ul
RT: 12.008 min Scan# 2518
Delta R.T. -0.004 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:142 Resp: 1079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 72.2 | 108.2 |

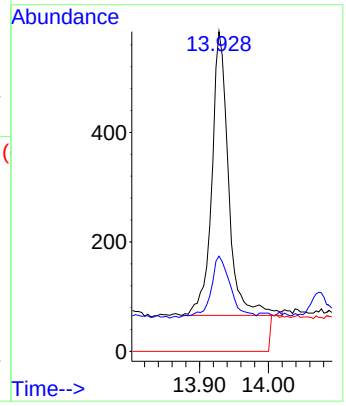





#10
Acenaphthylene
Concen: 0.02 ng/ul
RT: 13.928 min Scan# 2945
Delta R.T. -0.004 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:152 Resp: 858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 29.8 | 16.7 | 25.1# |
| 153 | 0.0 | 0.0 | 0.0 |




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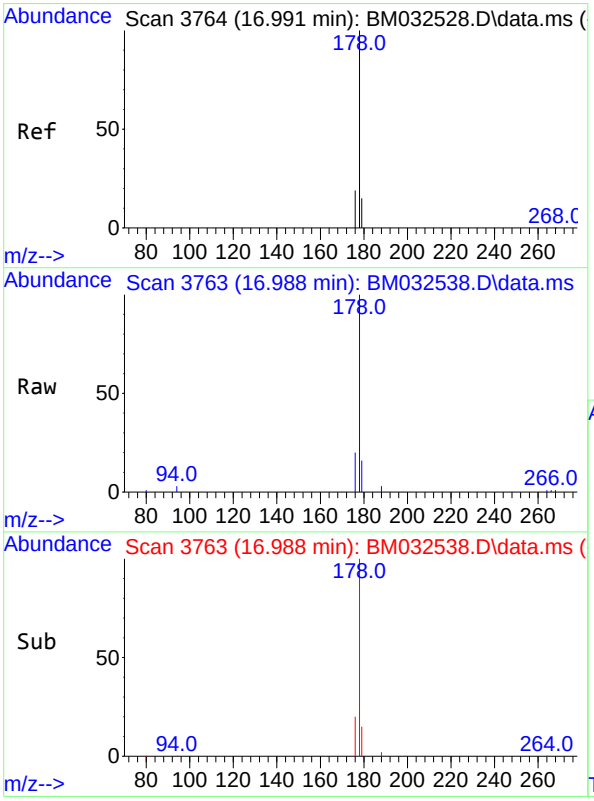
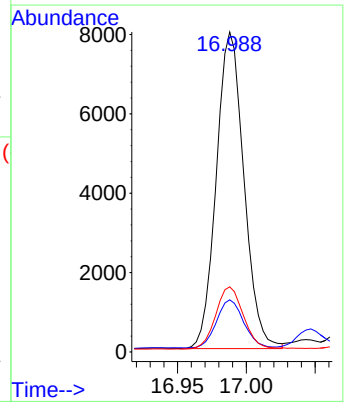
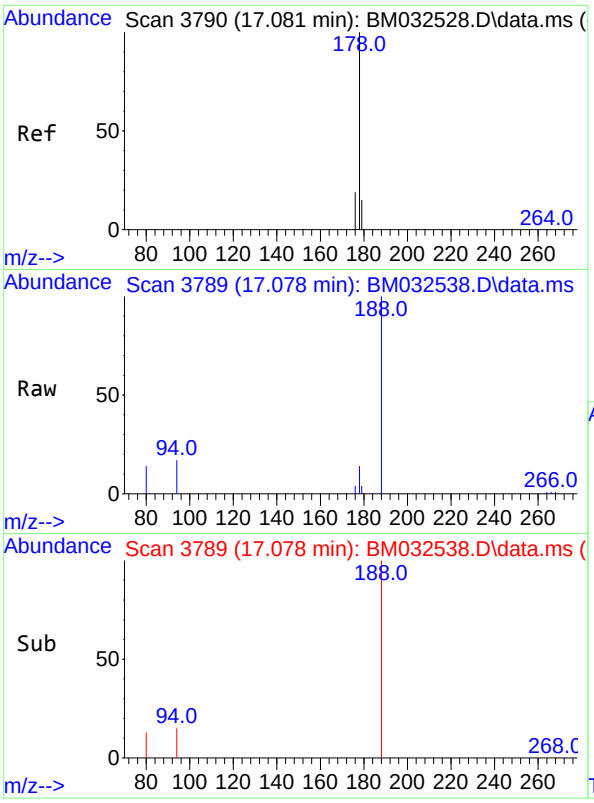



#15
Phenanthrene
Concen: 0.20 ng/ul
RT: 16.988 min Scan# 3763
Delta R.T. -0.007 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:178 Resp: 11127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.3 | 12.9 | 19.3 |
| 176 | 20.4 | 16.1 | 24.1 |

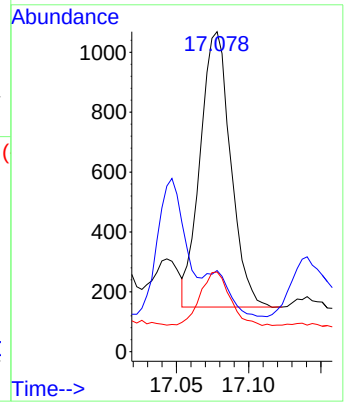





#16
Anthracene
Concen: 0.03 ng/ul
RT: 17.078 min Scan# 3789
Delta R.T. -0.007 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:178 Resp: 1349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 25.4 | 12.9 | 19.3# |
| 176 | 24.9 | 15.8 | 23.6# |

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**ClientSampleId :**
C00R1

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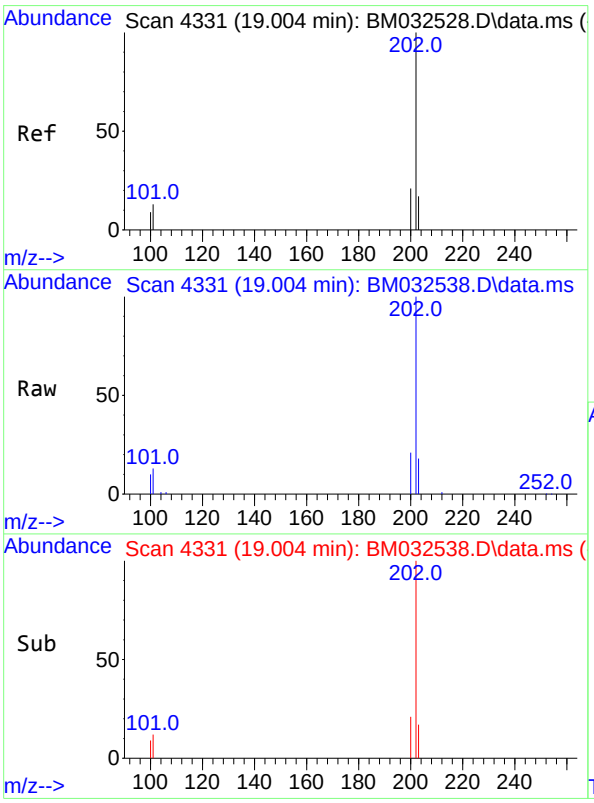
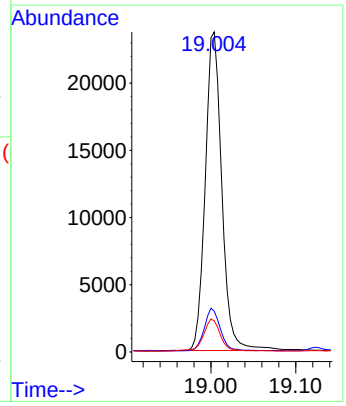
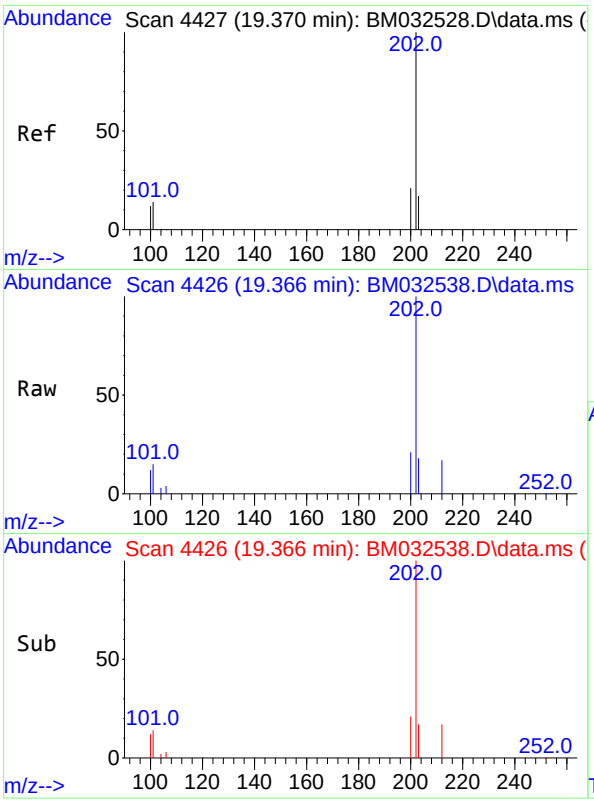



#19
Fluoranthene
Concen: 0.54 ng/ul
RT: 19.004 min Scan# 4331
Delta R.T. -0.007 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:202 Resp: 32179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.8 | 10.6 | 16.0 |
| 100 | 9.7 | 7.8 | 11.8 |

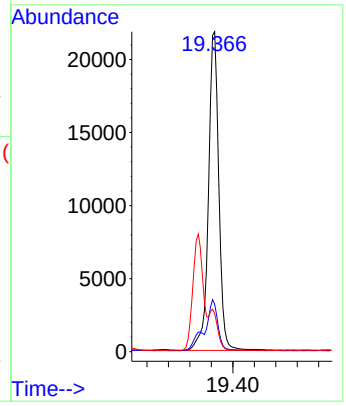





#20
Pyrene
Concen: 0.47 ng/ul
RT: 19.366 min Scan# 4426
Delta R.T. -0.007 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:202 Resp: 29251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.7 | 12.3 | 18.5 |
| 100 | 11.9 | 10.1 | 15.1 |

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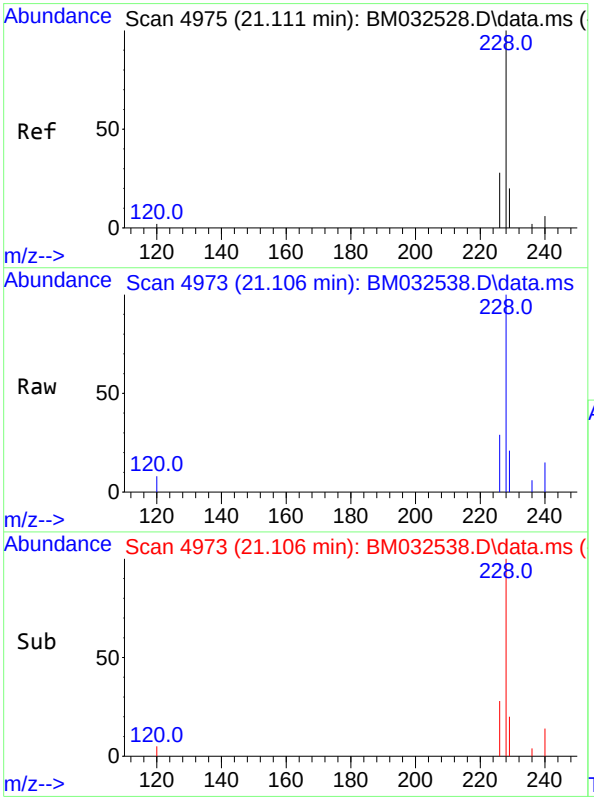
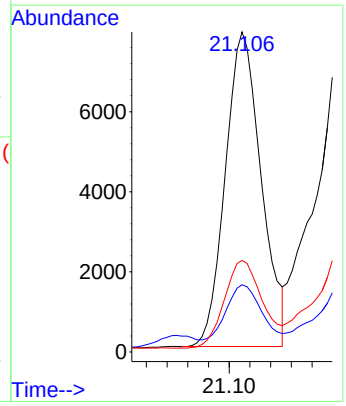
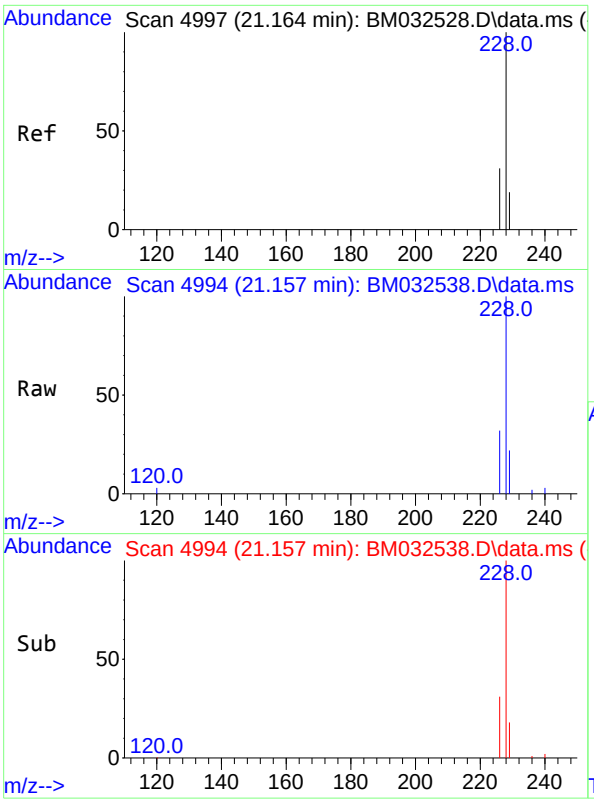



#21
Benzo(a)anthracene
Concen: 0.20 ng/ul
RT: 21.106 min Scan# 4973
Delta R.T. -0.014 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:228 Resp: 9478

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.0 | 15.9 | 23.9 |
| 226 | 28.6 | 22.4 | 33.6 |

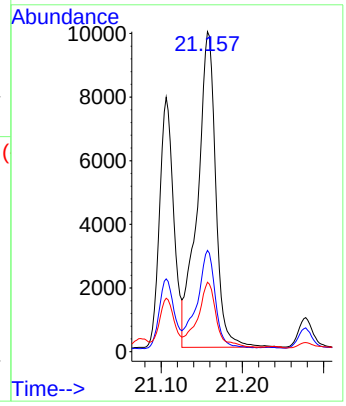





#22
Chrysene
Concen: 0.30 ng/ul
RT: 21.157 min Scan# 4994
Delta R.T. -0.014 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:228 Resp: 15538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 25.1 | 37.7 |
| 229 | 21.7 | 15.7 | 23.5 |




**Instrument :**
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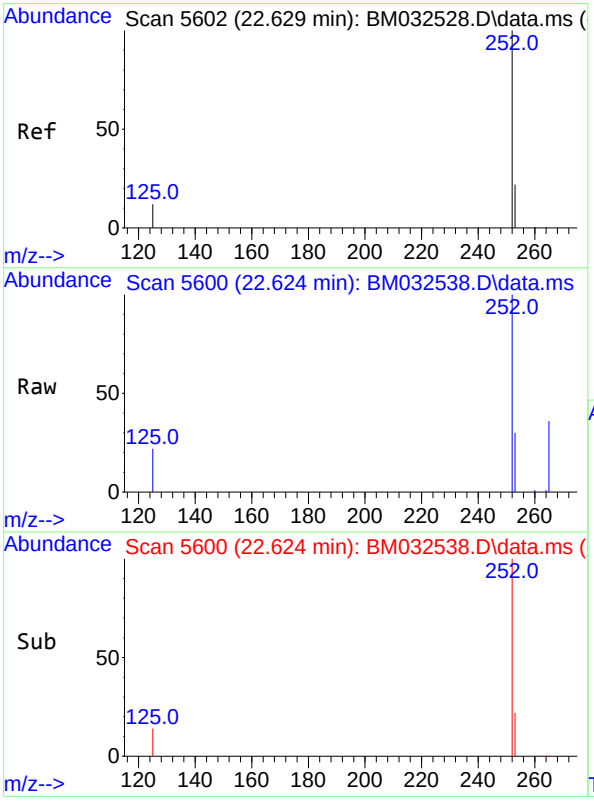
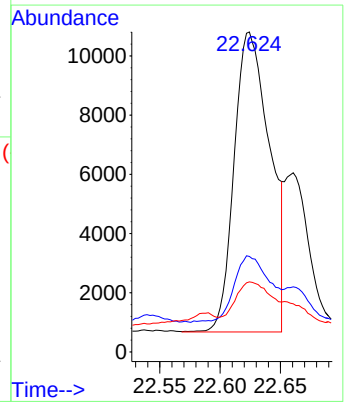
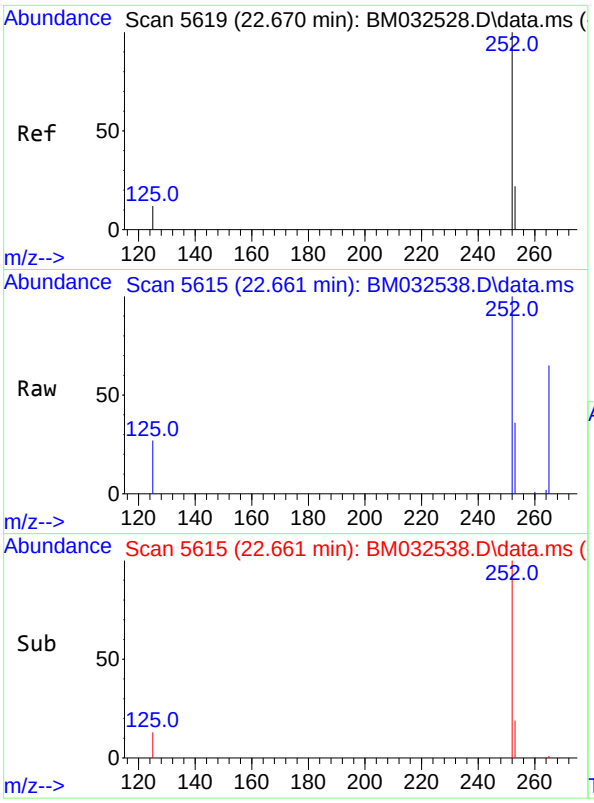



#24
Benzo(b)fluoranthene
Concen: 0.36 ng/ul m
RT: 22.624 min Scan# 5600
Delta R.T. -0.019 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:252 Resp: 20878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 29.9 | 0.0 | 53.8 |
| 125 | 21.9 | 0.0 | 35.6 |

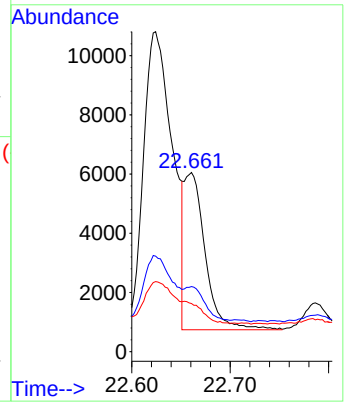





#25
Benzo(k)fluoranthene
Concen: 0.14 ng/ul m
RT: 22.661 min Scan# 5615
Delta R.T. -0.024 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:252 Resp: 7874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 36.3 | 21.8 | 32.6# |
| 125 | 26.8 | 14.4 | 21.6# |

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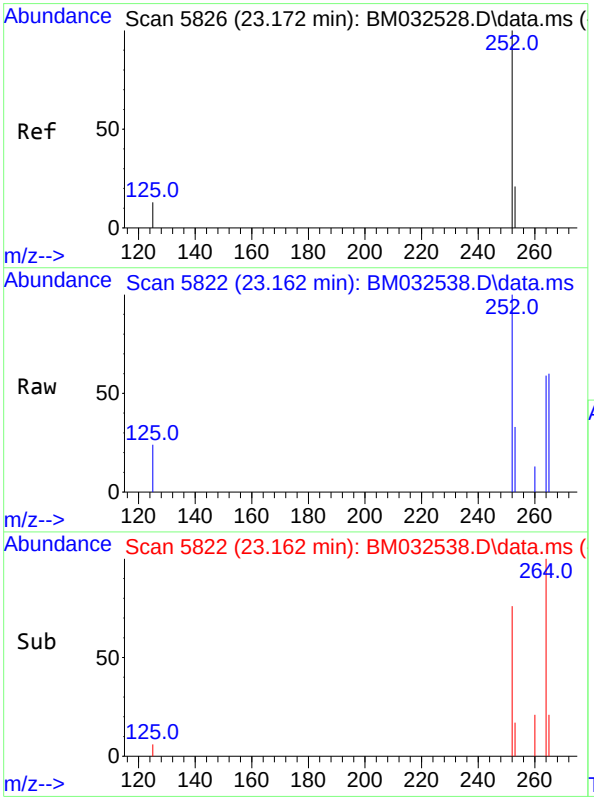
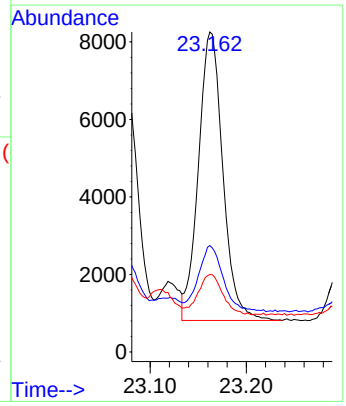
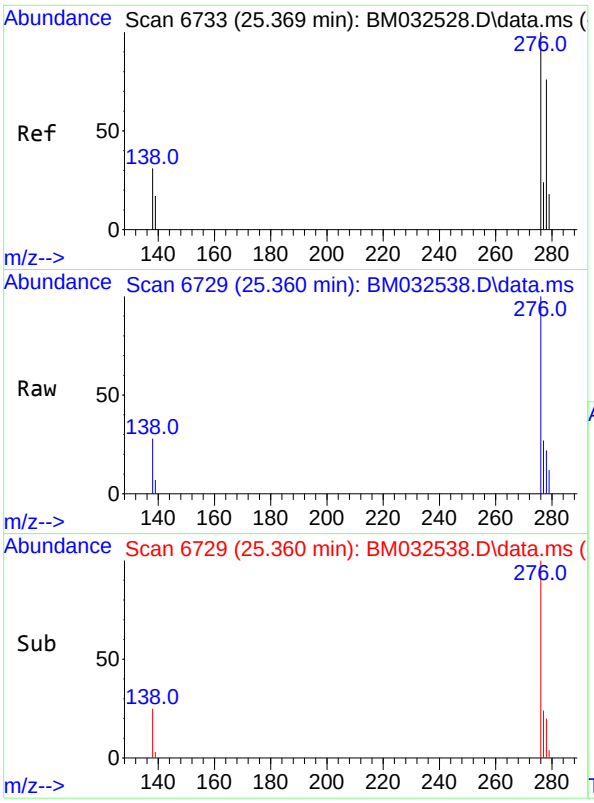



#26
Benzo(a)pyrene
Concen: 0.27 ng/ul
RT: 23.162 min Scan# 5822
Delta R.T. -0.022 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:252 Resp: 13117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 33.2 | 23.6 | 35.4 |
| 125 | 24.2 | 17.1 | 25.7 |

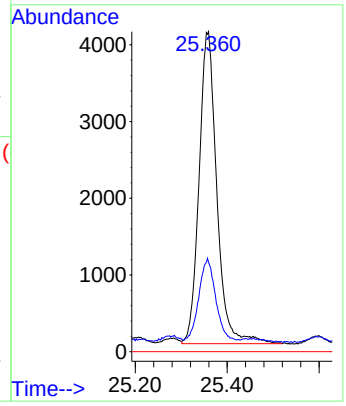


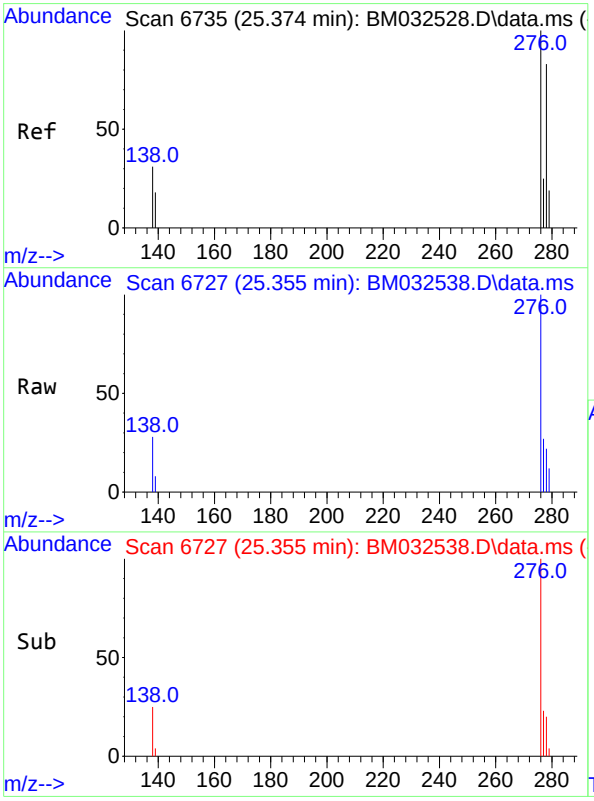



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.18 ng/ul
RT: 25.360 min Scan# 6729
Delta R.T. -0.026 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:276 Resp: 10916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.3 | 24.9 | 37.3 |
| 227 | 0.0 | 0.0 | 0.0 |

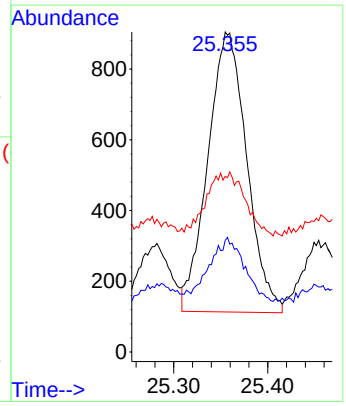



#28
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.355 min Scan# 6727
Delta R.T. -0.039 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:278 Resp: 2279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 34.9 | 18.6 | 28.0# |
| 279 | 54.9 | 22.0 | 33.0# |

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**ClientSampleId :**
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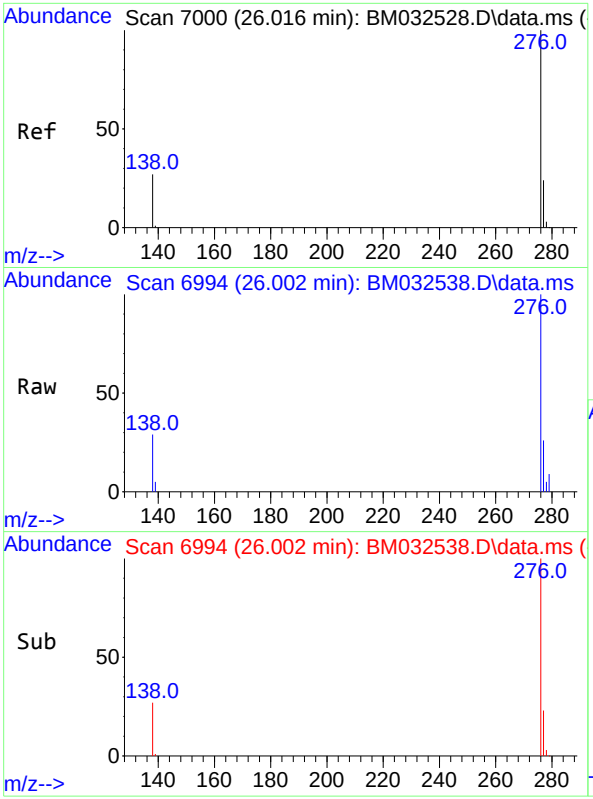
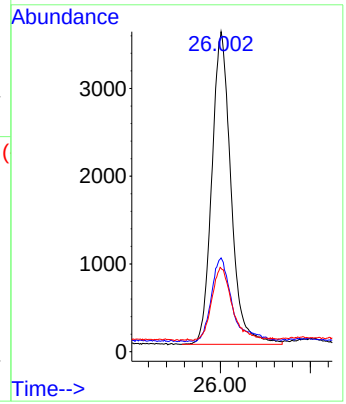



#29
Benzo(g,h,i)perylene
Concen: 0.20 ng/ul
RT: 26.002 min Scan# 6994
Delta R.T. -0.029 min
Lab File: BM032538.D
Acq: 15 Oct 2021 22:41

Tgt Ion:276 Resp: 10520

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.3 | 22.6 | 33.8 |
| 277 | 26.1 | 19.9 | 29.9 |




**Instrument :**
BNA_M
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C00R1

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mohammad
10/18/2021 12:42:01 PM