

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM12222\
 Data File : BM038202.D
 Acq On : 22 Dec 2022 17:35
 Operator : CG/JU
 Sample : N6009-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DBYJ4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

Quant Time: Dec 23 01:48:28 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM12222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 23:36:45 2022
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.042 | 152 | 4895 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.856 | 136 | 15033 | 0.400 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.666 | 164 | 8397 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 17.405 | 188 | 16913 | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.571 | 240 | 11199 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 24.023 | 264 | 10791 | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.397 | 96 | 13230 | 2.657 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 12.434 | 152 | 5078 | 0.229 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 19.422 | 212 | 11099 | 0.264 | ng/ul | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 5) Naphthalene | 10.906 | 128 | 1404 | 0.032 | ng/ul# | 84 |
| 7) 2-Methylnaphthalene | 12.506 | 142 | 678 | 0.025 | ng/ul | 97 |
| 10) Acenaphthylene | 14.393 | 152 | 1671 | 0.036 | ng/ul# | 84 |
| 11) Acenaphthene | 14.731 | 153 | 671 | 0.020 | ng/ul | 92 |
| 14) Pentachlorophenol | 17.058 | 266 | 180 | 0.021 | ng/ul | 88 |
| 15) Phenanthrene | 17.447 | 178 | 14973 | 0.265 | ng/ul | 99 |
| 16) Anthracene | 17.540 | 178 | 2851 | 0.052 | ng/ul# | 88 |
| 19) Fluoranthene | 19.454 | 202 | 51638 | 0.842 | ng/ul | 98 |
| 20) Pyrene | 19.817 | 202 | 41760m | 0.674 | ng/ul | |
| 21) Benzo(a)anthracene | 21.556 | 228 | 19468 | 0.396 | ng/ul | 96 |
| 22) Chrysene | 21.612 | 228 | 25794 | 0.540 | ng/ul | 97 |
| 24) Benzo(b)fluoranthene | 23.269 | 252 | 39248 | 0.822 | ng/ul | 99 |
| 25) Benzo(k)fluoranthene | 23.316 | 252 | 11282m | 0.246 | ng/ul | |
| 26) Benzo(a)pyrene | 23.912 | 252 | 22448 | 0.539 | ng/ul | 96 |
| 27) Indeno(1,2,3-cd)pyrene | 26.579 | 276 | 19624 | 0.340 | ng/ul# | 91 |
| 28) Dibenzo(a,h)anthracene | 26.585 | 278 | 4893 | 0.109 | ng/ul# | 63 |
| 29) Benzo(g,h,i)perylene | 27.370 | 276 | 17908 | 0.368 | ng/ul | 99 |

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

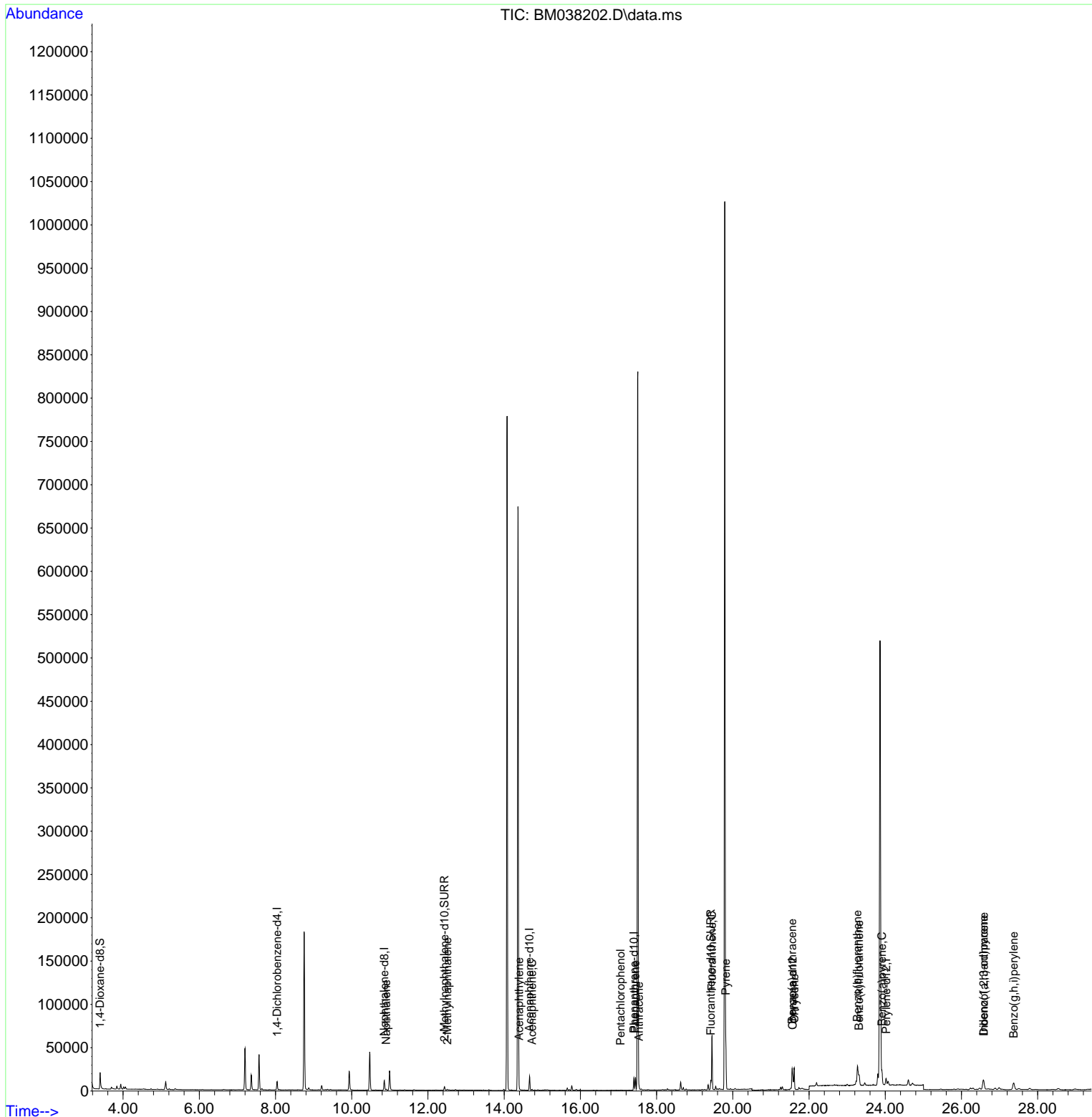
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM122222\
 Data File : BM038202.D
 Acq On : 22 Dec 2022 17:35
 Operator : CG/JU
 Sample : N6009-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

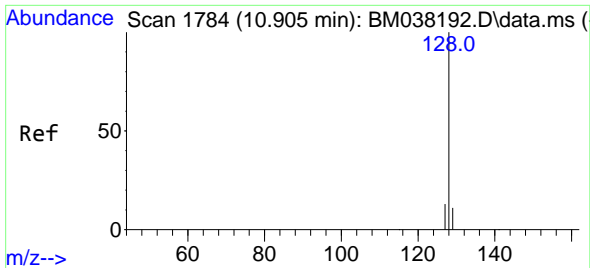
Instrument :
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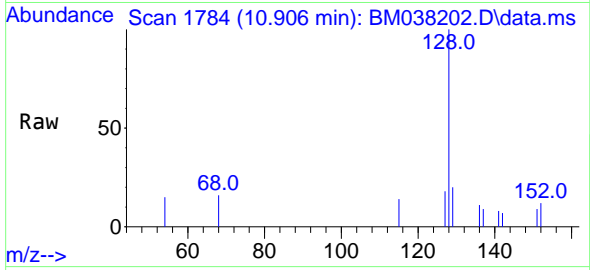
Quant Time: Dec 23 01:48:28 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM122222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 22 23:36:45 2022
 Response via : Initial Calibration





#5
 Naphthalene
 Concen: 0.032 ng/u1
 RT: 10.906 min Scan# 1784
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Instrument :
 BNA_M
 ClientSampleId :
 DBYJ4

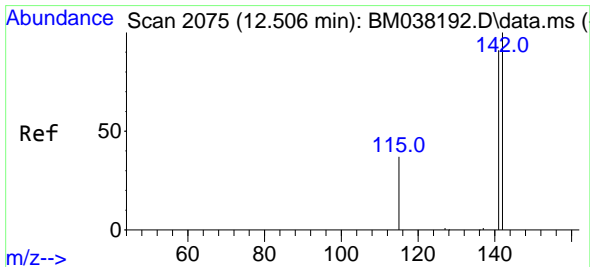
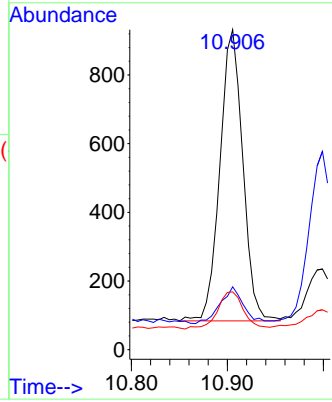
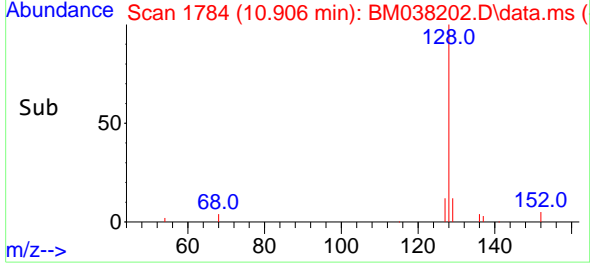


Tgt Ion:128 Resp: 140

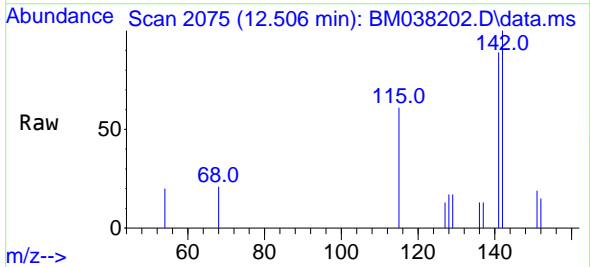
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100 | | |
| 129 | 19.6 | 9.4 | 14.0 |
| 127 | 18.0 | 10.7 | 16.1 |

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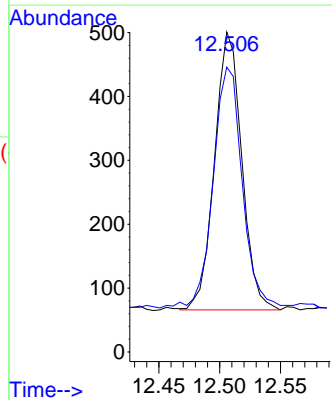
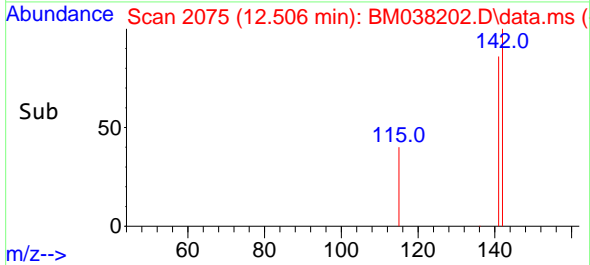


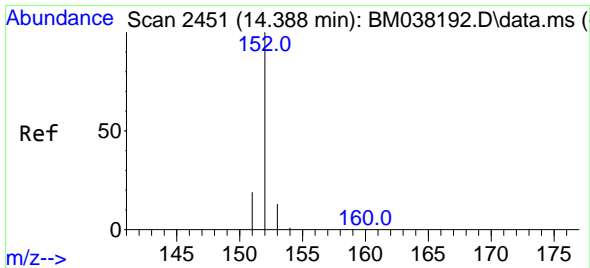
#7
 2-Methylnaphthalene
 Concen: 0.025 ng/u1
 RT: 12.506 min Scan# 2075
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



Tgt Ion:142 Resp: 678

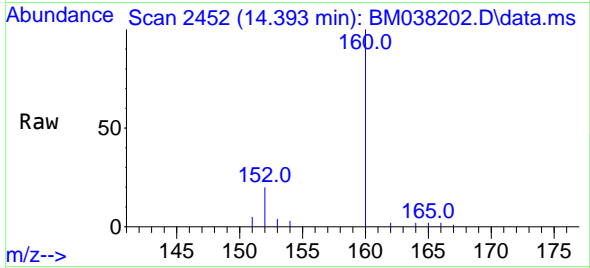
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100 | | |
| 141 | 92.3 | 71.9 | 107.9 |





#10
 Acenaphthylene
 Concen: 0.036 ng/u1
 RT: 14.393 min Scan# 2452
 Delta R.T. 0.005 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Instrument :
 BNA_M
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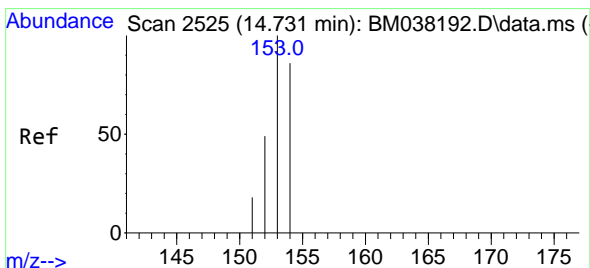
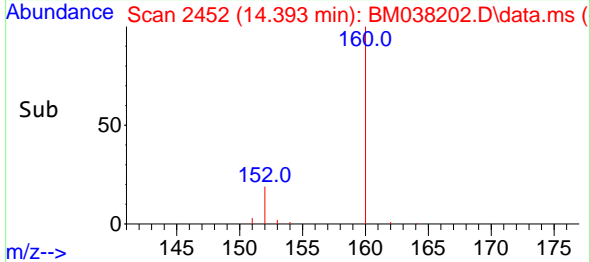
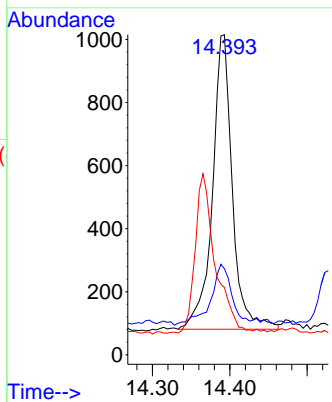


Tgt Ion:152 Resp: 1671

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100 | | |
| 151 | 26.9 | 16.2 | 24.2 |
| 153 | 21.0 | 10.7 | 16.1 |

Manual Integrations
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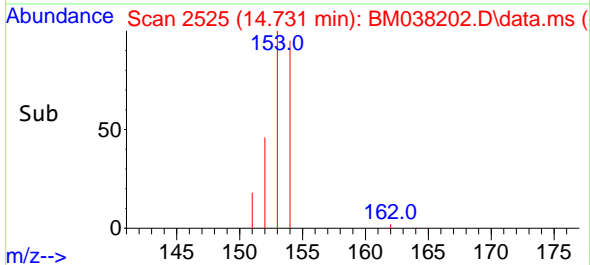
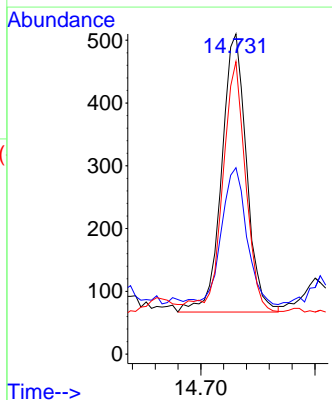
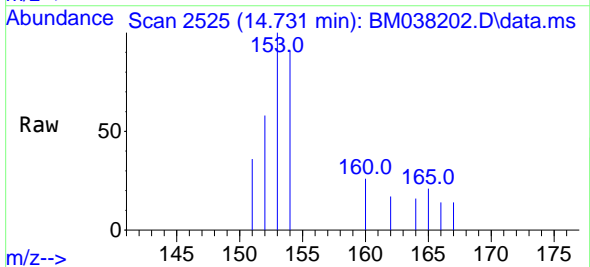
Reviewed By :Jagrut Upadhyay 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

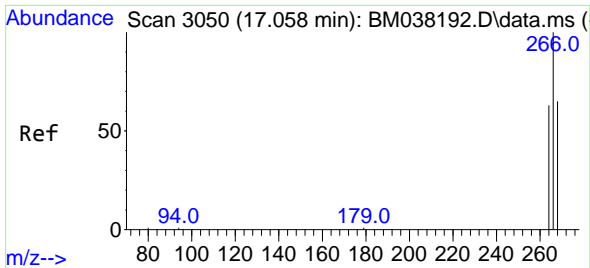


#11
 Acenaphthene
 Concen: 0.020 ng/u1
 RT: 14.731 min Scan# 2525
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Tgt Ion:153 Resp: 671

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100 | | |
| 152 | 58.2 | 39.4 | 59.0 |
| 154 | 91.4 | 69.0 | 103.4 |





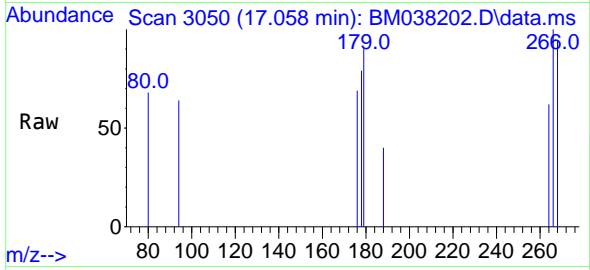
#14
 Pentachlorophenol
 Concen: 0.021 ng/u1
 RT: 17.058 min Scan# 3050
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Instrument :

BNA_M

ClientSampleId :

DBYJ4



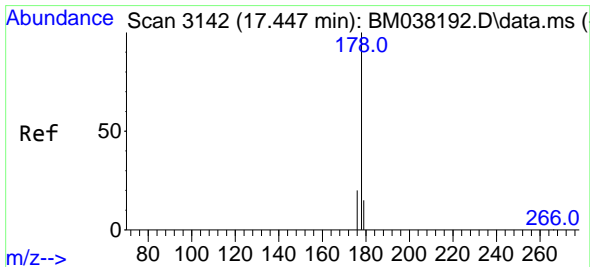
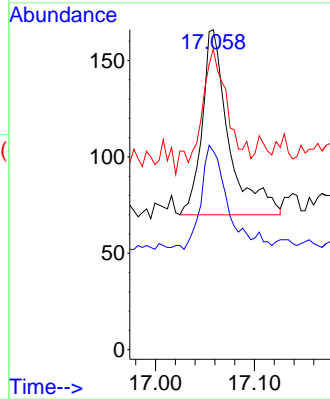
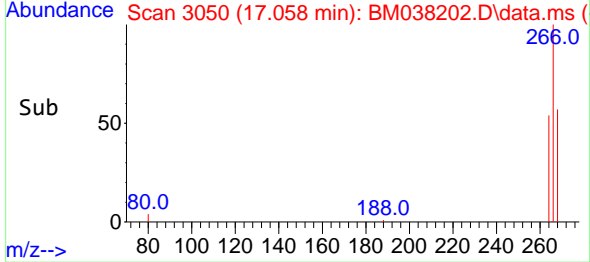
Tgt Ion:266 Resp: 180

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100 | | |
| 264 | 55.0 | 49.9 | 74.9 |
| 268 | 52.8 | 51.2 | 76.8 |

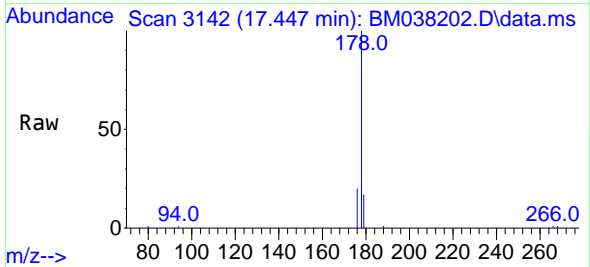
Manual Integrations

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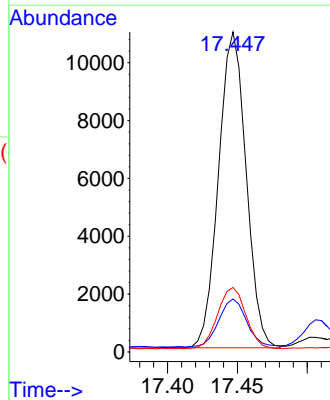
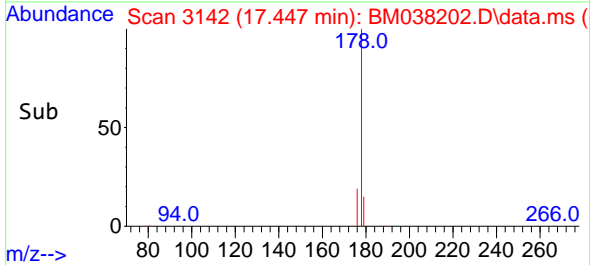


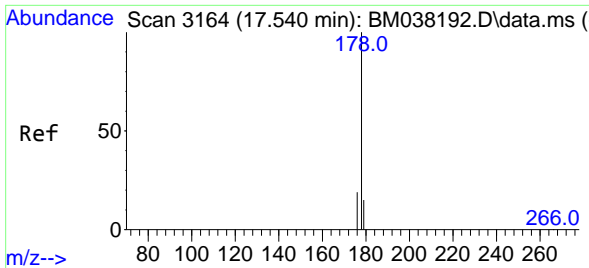
#15
 Phenanthrene
 Concen: 0.265 ng/u1
 RT: 17.447 min Scan# 3142
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



Tgt Ion:178 Resp: 14973

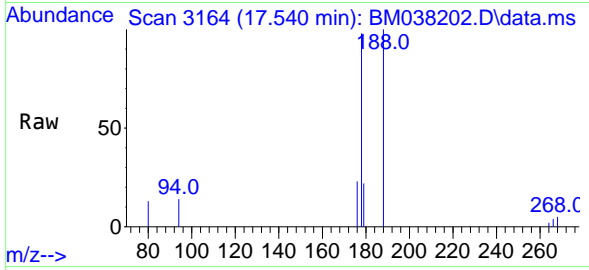
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 16.5 | 13.0 | 19.4 |
| 176 | 20.1 | 16.2 | 24.4 |





#16
 Anthracene
 Concen: 0.052 ng/u1
 RT: 17.540 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Instrument :
 BNA_M
 ClientSampleId :
 DBYJ4

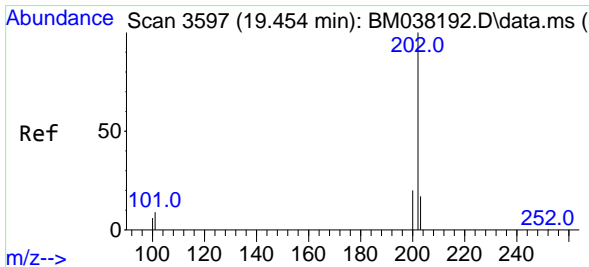
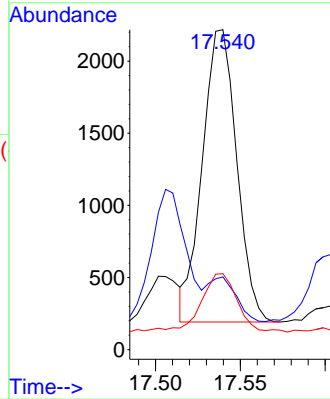
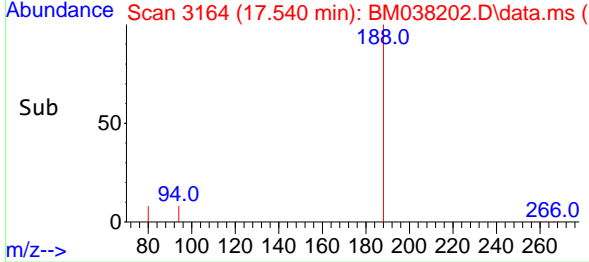


Tgt Ion:178 Resp: 285

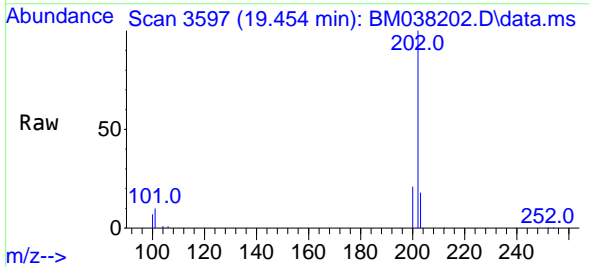
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 22.7 | 13.0 | 19.6 |
| 176 | 23.7 | 15.6 | 23.4 |

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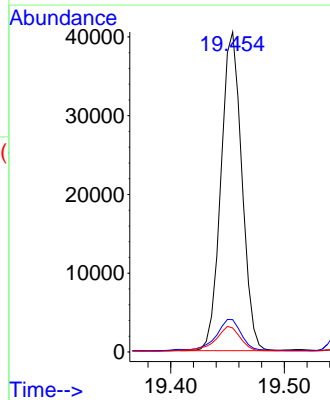
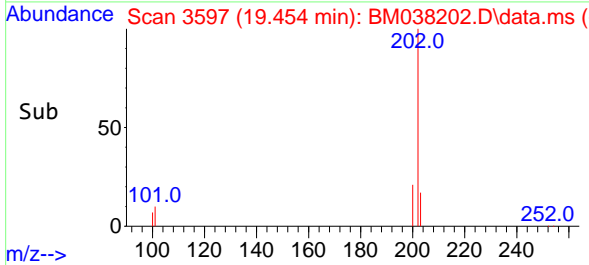


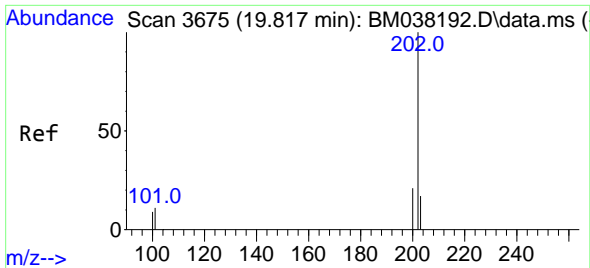
#19
 Fluoranthene
 Concen: 0.842 ng/u1
 RT: 19.454 min Scan# 3597
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



Tgt Ion:202 Resp: 51638

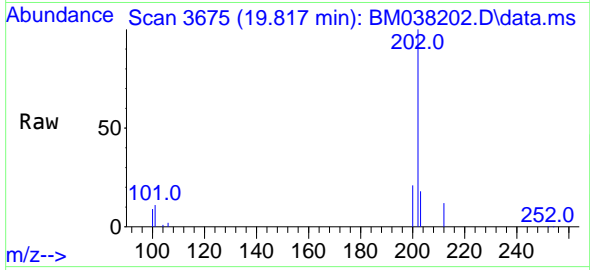
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100 | | |
| 101 | 10.1 | 7.5 | 11.3 |
| 100 | 7.5 | 5.6 | 8.4 |





#20
 Pyrene
 Concen: 0.674 ng/u1 m
 RT: 19.817 min Scan# 3
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

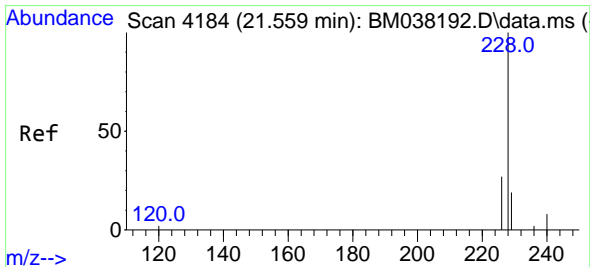
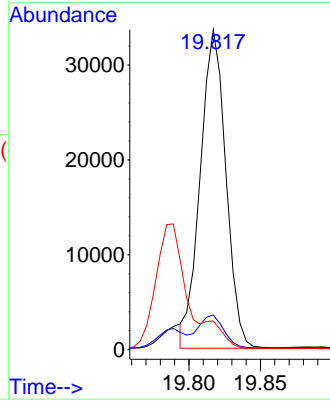
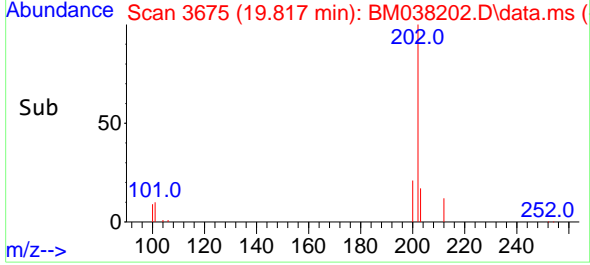
Instrument :
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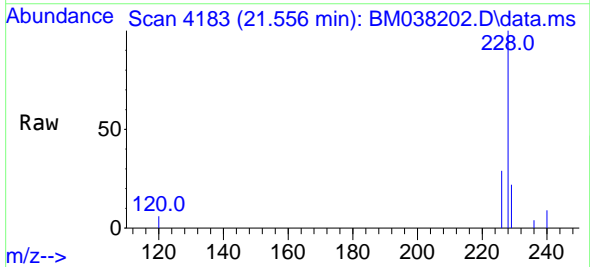
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 Ion Ratio Lower Upper
 202 100
 101 10.9 8.9 13.3
 100 9.0 7.4 11.0

Manual Integrations
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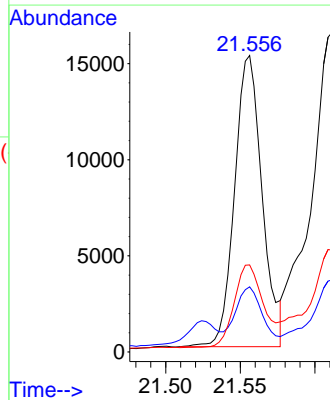
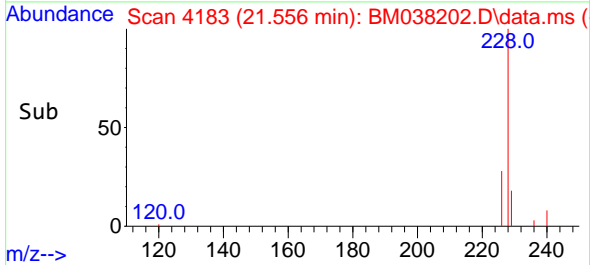
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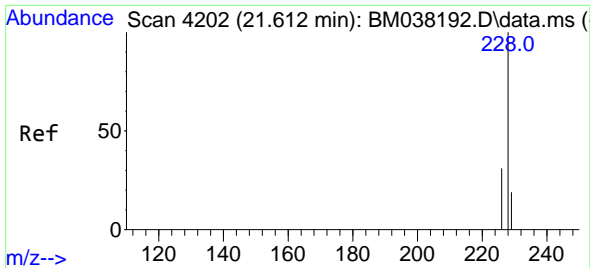


#21
 Benzo(a)anthracene
 Concen: 0.396 ng/u1
 RT: 21.556 min Scan# 4183
 Delta R.T. -0.003 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



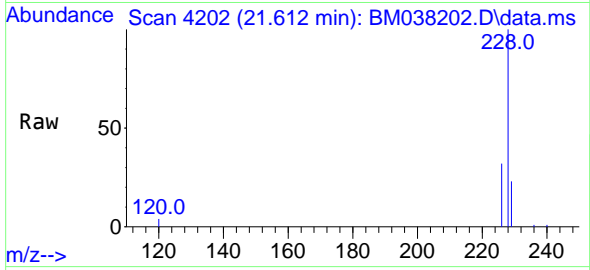
Tgt Ion:228 Resp: 19468
 Ion Ratio Lower Upper
 228 100
 229 21.9 15.5 23.3
 226 29.4 22.2 33.2





#22
 Chrysene
 Concen: 0.540 ng/u1
 RT: 21.612 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

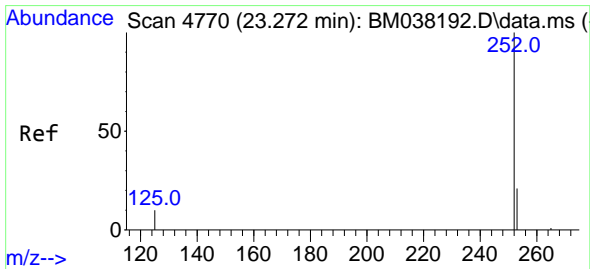
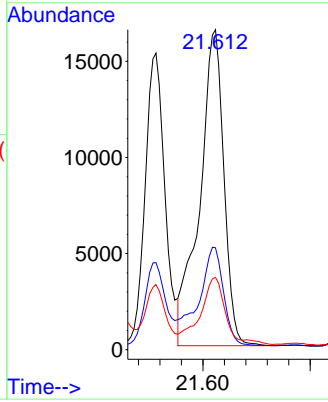
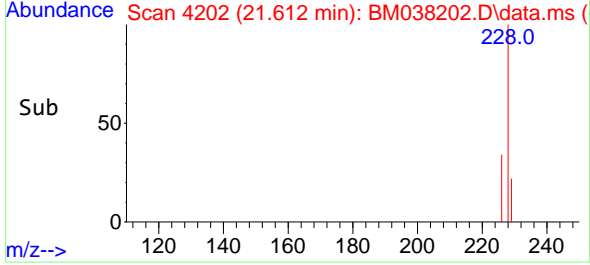
Instrument :
 BNA_M
 ClientSampleId :
 DBYJ4



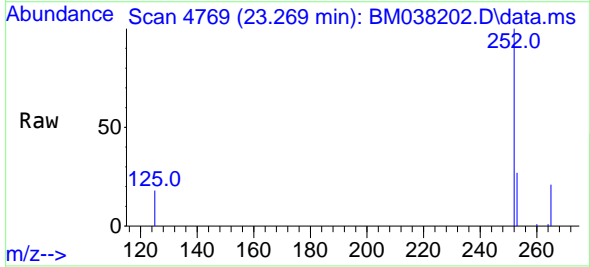
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 Ion Ratio Lower Upper
 228 100
 226 31.9 25.0 37.4
 229 22.6 16.0 24.0

Manual Integrations
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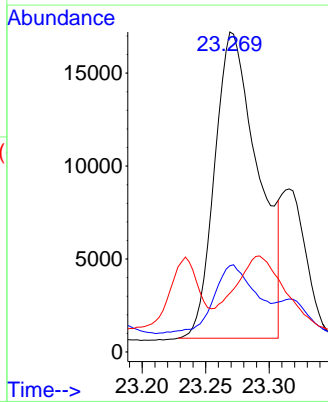
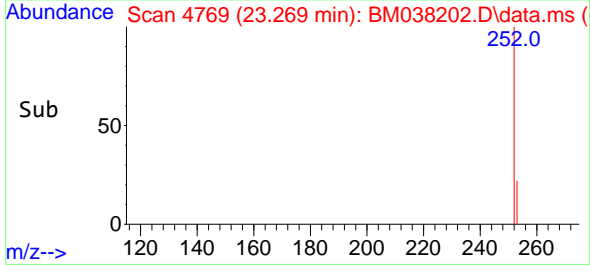
Reviewed By :Jagrut Upadhyay 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

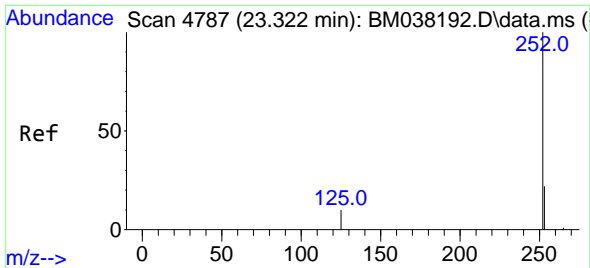


#24
 Benzo(b)fluoranthene
 Concen: 0.822 ng/u1
 RT: 23.269 min Scan# 4769
 Delta R.T. -0.003 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



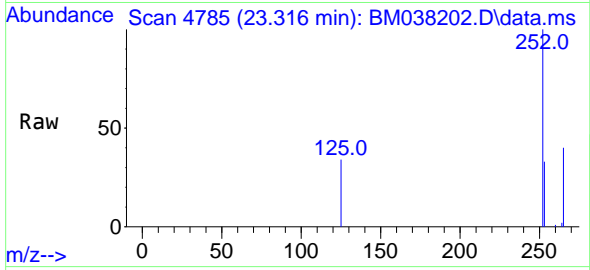
Tgt Ion:252 Resp: 39248
 Ion Ratio Lower Upper
 252 100
 253 27.0 0.0 56.0
 125 18.3 0.0 36.6





#25
 Benzo(k)fluoranthene
 Concen: 0.246 ng/u1 m
 RT: 23.316 min Scan# 4
 Delta R.T. -0.006 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

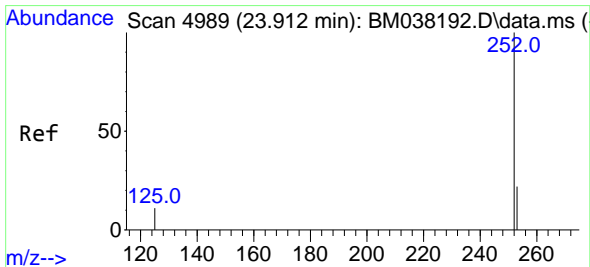
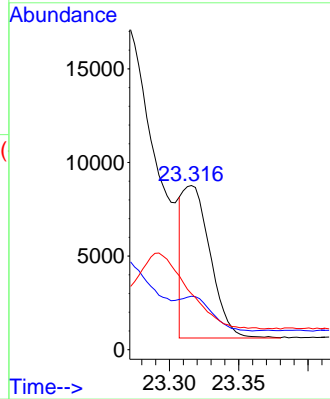
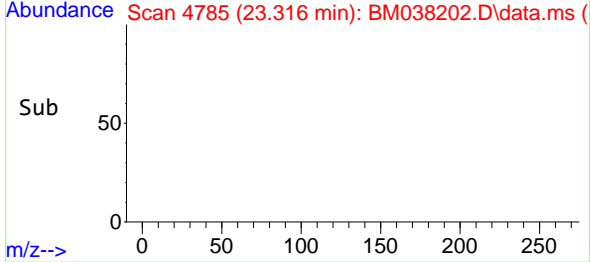
Instrument :
 BNA_M
 ClientSampleId :
 DBYJ4



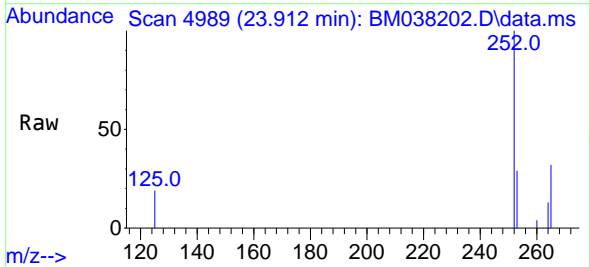
Tgt Ion:252 Resp: 1128
 Ion Ratio Lower Upper
 252 100
 253 32.5 22.5 33.7
 125 34.2 14.4 21.6

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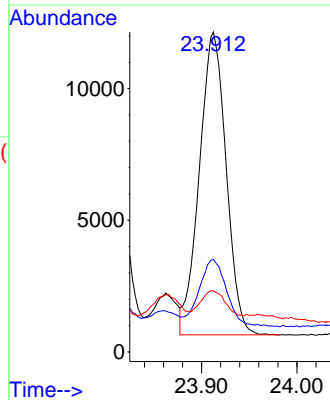
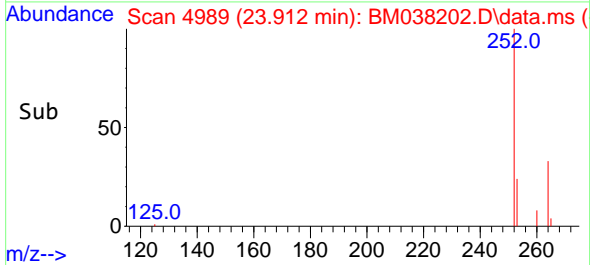
Reviewed By :Jagrut Upadhyay 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

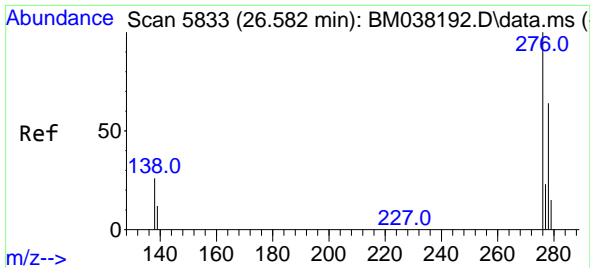


#26
 Benzo(a)pyrene
 Concen: 0.539 ng/u1
 RT: 23.912 min Scan# 4989
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



Tgt Ion:252 Resp: 22448
 Ion Ratio Lower Upper
 252 100
 253 29.0 24.2 36.4
 125 19.0 17.3 25.9





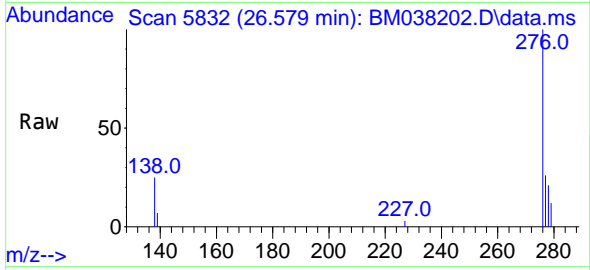
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.340 ng/u1
 RT: 26.579 min Scan# 5832
 Delta R.T. -0.003 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Instrument :

BNA_M

ClientSampleId :

DBYJ4

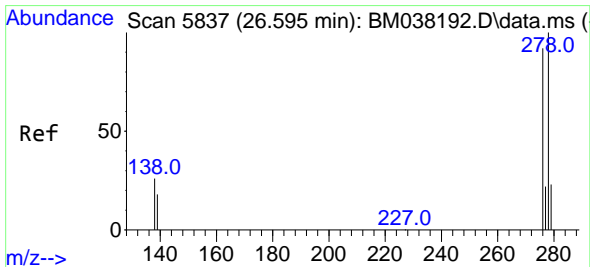
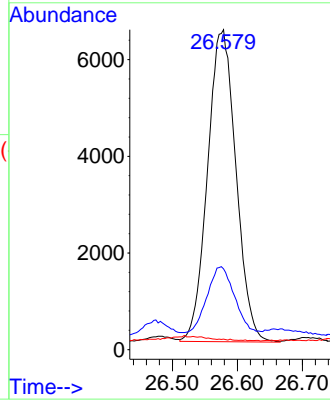
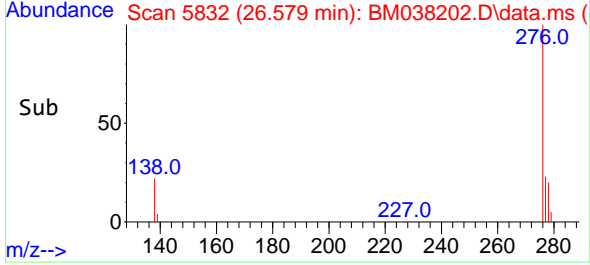


Tgt Ion:276 Resp: 19624
 Ion Ratio Lower Upper
 276 100
 138 22.2 21.7 32.5
 227 0.0 0.0 0.0

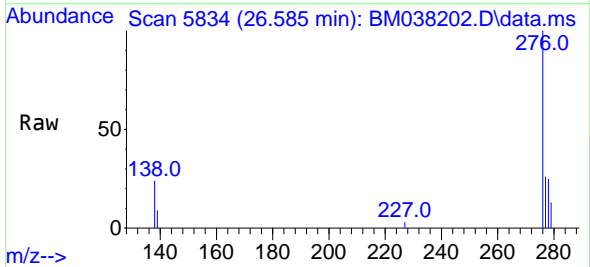
Manual Integrations

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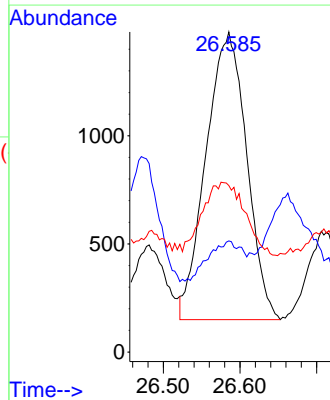
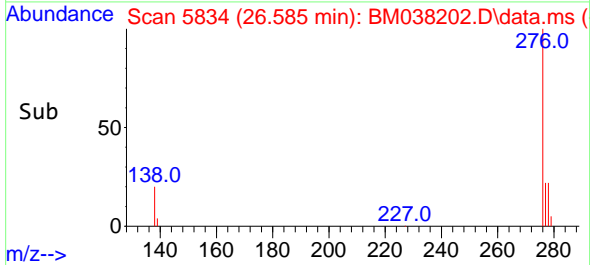
Reviewed By :Jagrut Upadhyay 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

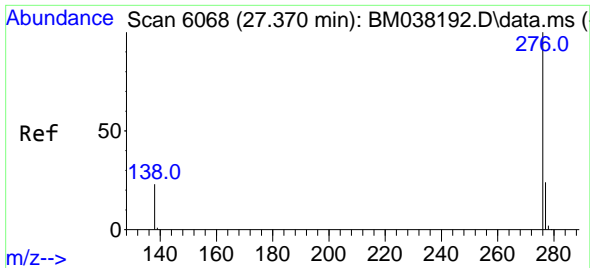


#28
 Dibenzo(a,h)anthracene
 Concen: 0.109 ng/u1
 RT: 26.585 min Scan# 5834
 Delta R.T. -0.010 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35



Tgt Ion:278 Resp: 4893
 Ion Ratio Lower Upper
 278 100
 139 34.7 16.8 25.2#
 279 52.0 23.4 35.2#





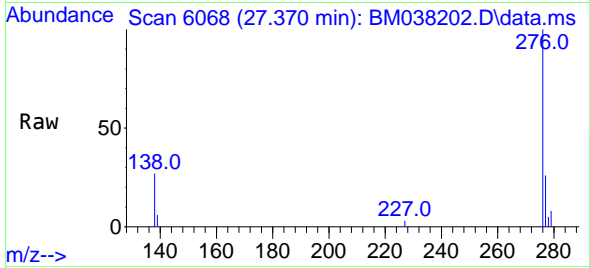
#29
 Benzo(g,h,i)perylene
 Concen: 0.368 ng/u1
 RT: 27.370 min Scan# 6068
 Delta R.T. 0.000 min
 Lab File: BM038202.D
 Acq: 22 Dec 2022 17:35

Instrument :

BNA_M

ClientSampleId :

DBYJ4



Tgt Ion:276 Resp: 17908

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 26.9 | 20.8 | 31.2 |
| 277 | 25.8 | 20.5 | 30.7 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/23/2022
 Supervised By :mohammad ahmed 12/23/2022

