

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN111124\
 Data File : BN035053.D
 Acq On : 13 Nov 2024 01:59
 Operator : RC/JU
 Sample : P4714-04
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AF7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 08:31:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN110924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 00:41:17 2024
 Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.558 | 152 | 3476 | 0.400 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.322 | 136 | 8821 | 0.400 | ng/ul # | 0.00 |
| 9) Acenaphthene-d10 | 14.194 | 164 | 6204 | 0.400 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.941 | 188 | 14386m | 0.400 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.137 | 240 | 13269 | 0.400 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.299 | 264 | 13318m | 0.400 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.149 | 96 | 15208 | 4.598 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.917 | 152 | 4964 | 0.367 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.972 | 212 | 19185 | 0.563 | ng/ul | 0.00 |
| Target Compounds | | | | | | |
| | | | | | | Qvalue |
| 14) Pentachlorophenol | 16.599 | 266 | 106 | 0.032 | ng/ul | 92 |
| 15) Phenanthrene | 16.983 | 178 | 892 | 0.023 | ng/ul# | 84 |
| 16) Anthracene | 17.076 | 178 | 825 | 0.023 | ng/ul# | 78 |
| 19) Fluoranthene | 19.005 | 202 | 1277 | 0.029 | ng/ul# | 82 |
| 21) Benzo(a)anthracene | 21.122 | 228 | 1219 | 0.025 | ng/ul# | 91 |
| 22) Chrysene | 21.172 | 228 | 1184 | 0.024 | ng/ul# | 92 |
| 24) Benzo(b)fluoranthene | 22.656 | 252 | 1349m | 0.029 | ng/ul | |
| 25) Benzo(k)fluoranthene | 22.697 | 252 | 1447m | 0.030 | ng/ul | |
| 26) Benzo(a)pyrene | 23.209 | 252 | 1226m | 0.029 | ng/ul | |
| 27) Indeno(1,2,3-cd)pyrene | 25.443 | 276 | 1586m | 0.031 | ng/ul | |
| 28) Dibenzo(a,h)anthracene | 25.463 | 278 | 1192m | 0.030 | ng/ul | |
| 29) Benzo(g,h,i)perylene | 26.101 | 276 | 1271m | 0.033 | ng/ul | |

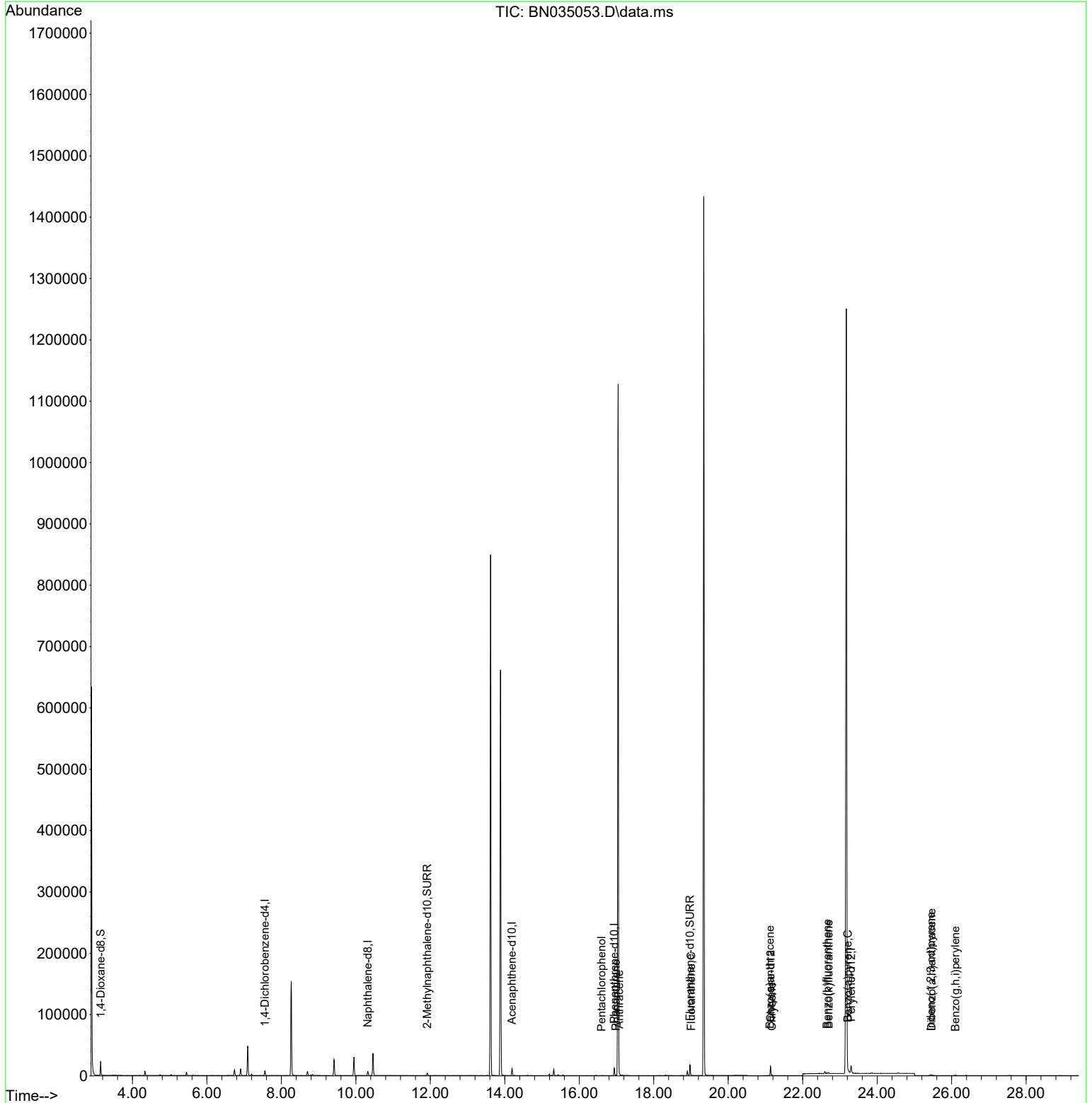
(#) = qualifier out of range (m) = manual integration (+) = signals summed

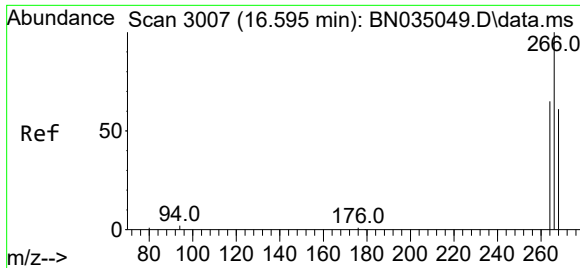
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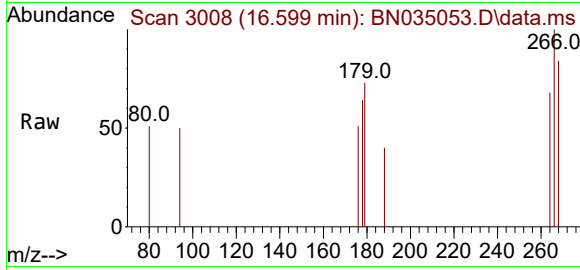
Manual Integrations
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 Reviewed By :Jagrut Upadhyay 11/13/2024
 Supervised By :mohammad ahmed 11/14/2024





#14
 Pentachlorophenol
 Concen: 0.032 ng/u1
 RT: 16.599 min Scan# 3008
 Delta R.T. 0.004 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

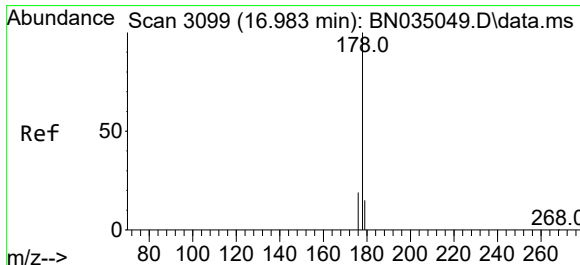
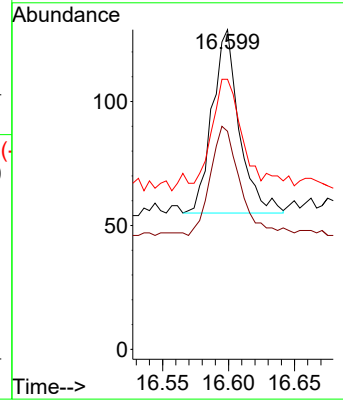
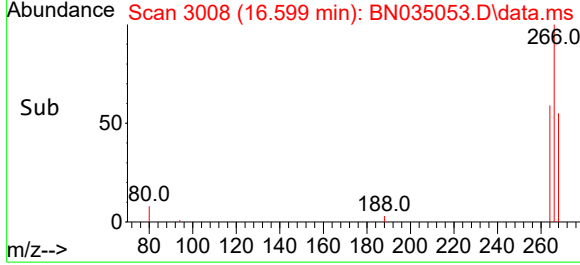
Instrument : BNA_N
 ClientSampleId : C0AF7



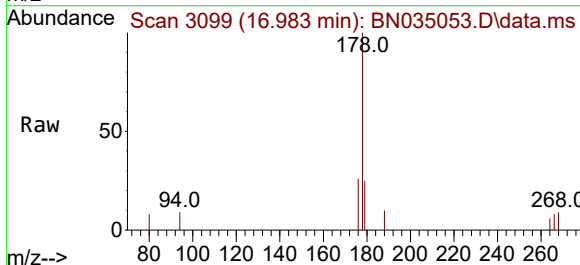
Tgt Ion: 266 Resp: 100

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100 | | |
| 264 | 65.1 | 50.2 | 75.2 |
| 268 | 70.8 | 48.4 | 72.6 |

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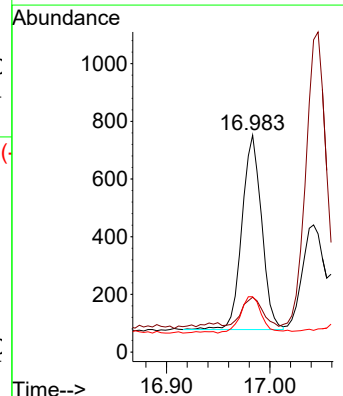
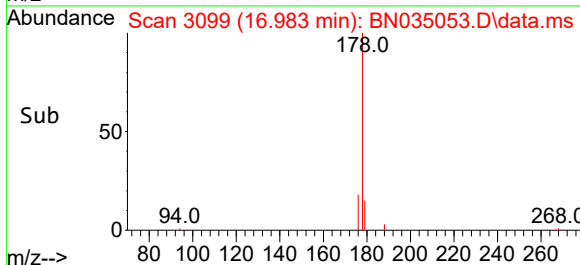


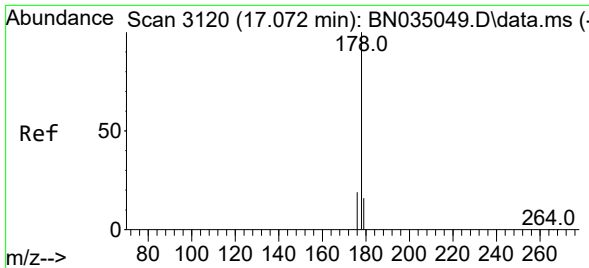
#15
 Phenanthrene
 Concen: 0.023 ng/u1
 RT: 16.983 min Scan# 3099
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59



Tgt Ion: 178 Resp: 892

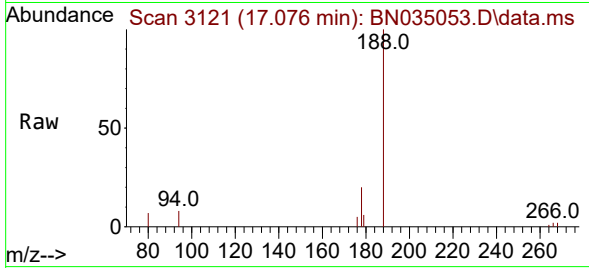
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100 | | |
| 179 | 25.3 | 13.4 | 20.2# |
| 176 | 25.5 | 15.8 | 23.6# |





#16
 Anthracene
 Concen: 0.023 ng/uI
 RT: 17.076 min Scan# 3120
 Delta R.T. 0.004 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

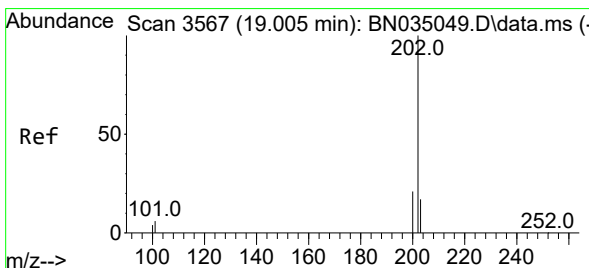
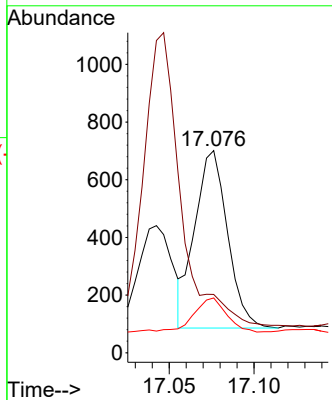
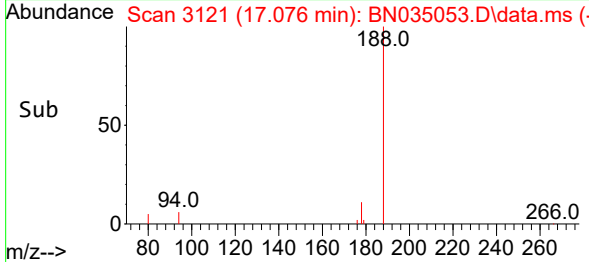
Instrument : BNA_N
 ClientSampleId : C0AF7



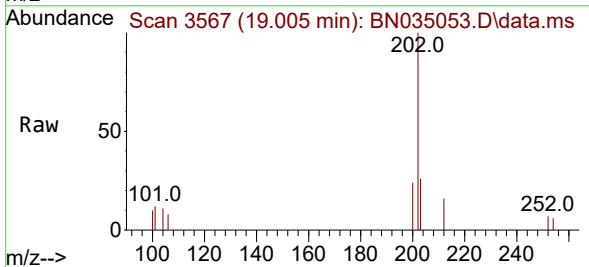
Tgt Ion:178 Resp: 824
 Ion Ratio Lower Upper
 178 100
 179 28.8 13.3 19.9#
 176 27.1 15.8 23.8#

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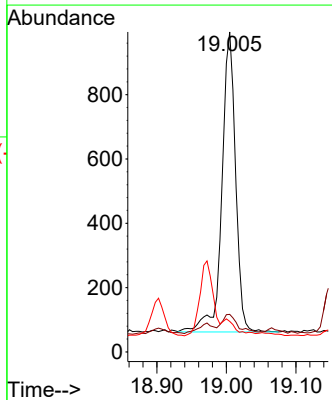
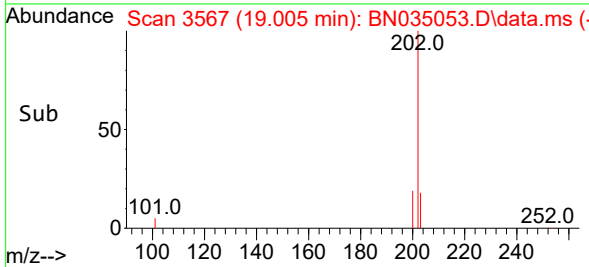
Reviewed By :Jagrut Upadhyay 11/13/2024
 Supervised By :mohammad ahmed 11/14/2024

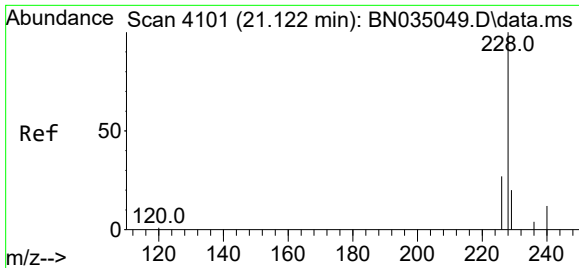


#19
 Fluoranthene
 Concen: 0.029 ng/uI
 RT: 19.005 min Scan# 3567
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59



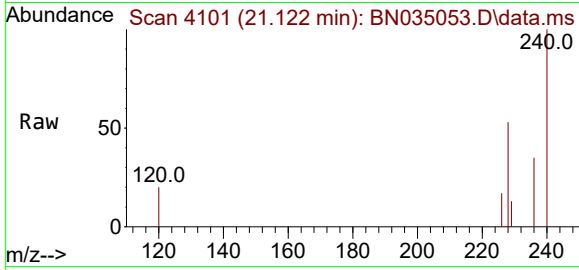
Tgt Ion:202 Resp: 1277
 Ion Ratio Lower Upper
 202 100
 101 11.8 4.2 6.2#
 100 9.5 3.2 4.8#





#21
 Benzo(a)anthracene
 Concen: 0.025 ng/uI
 RT: 21.122 min Scan# 4101
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

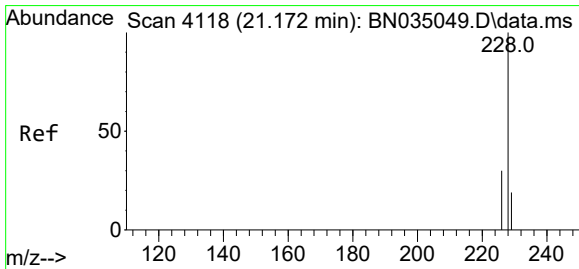
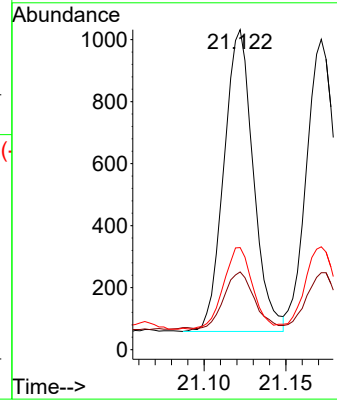
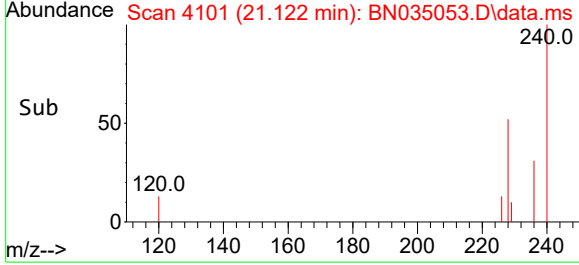
Instrument :
 BNA_N
 ClientSampleId :
 C0AF7



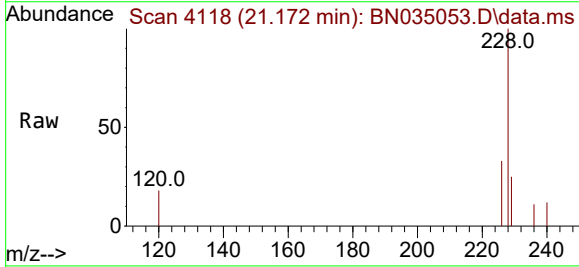
Tgt Ion:228 Resp: 1219
 Ion Ratio Lower Upper
 228 100
 229 24.3 15.8 23.8
 226 31.9 22.2 33.2

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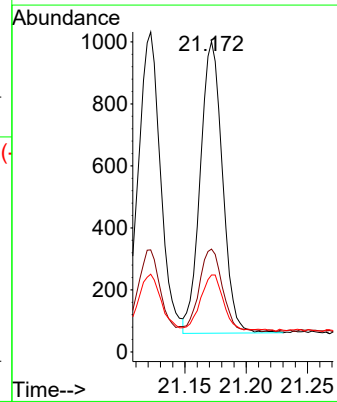
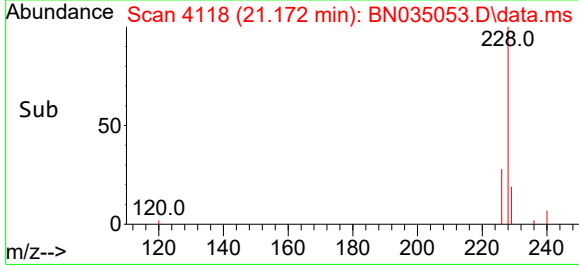
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 Supervised By :mohammad ahmed 11/14/2024

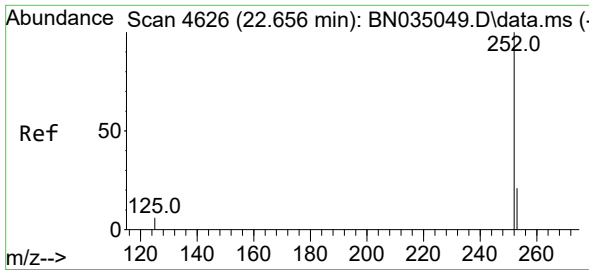


#22
 Chrysene
 Concen: 0.024 ng/uI
 RT: 21.172 min Scan# 4118
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59



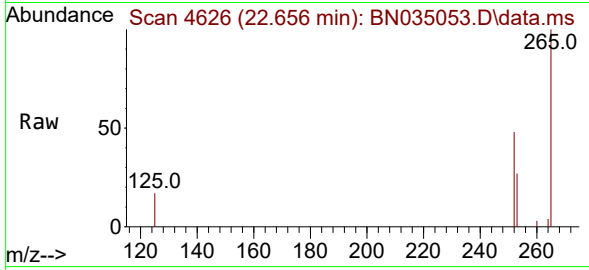
Tgt Ion:228 Resp: 1184
 Ion Ratio Lower Upper
 228 100
 226 33.2 24.2 36.4
 229 24.8 15.4 23.2#





#24
 Benzo(b)fluoranthene
 Concen: 0.029 ng/ul m
 RT: 22.656 min Scan# 4626
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

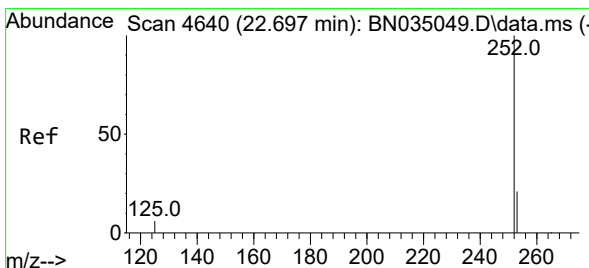
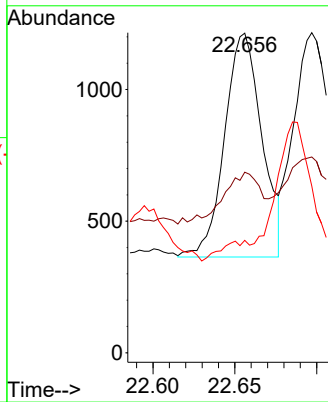
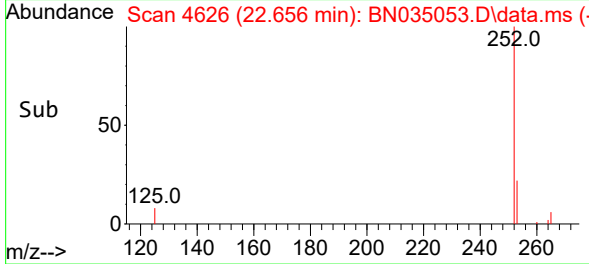
Instrument :
 BNA_N
 ClientSampleId :
 C0AF7



Tgt Ion:252 Resp: 1349
 Ion Ratio Lower Upper
 252 100
 253 56.5 0.0 50.0#
 125 35.2 0.0 14.0#

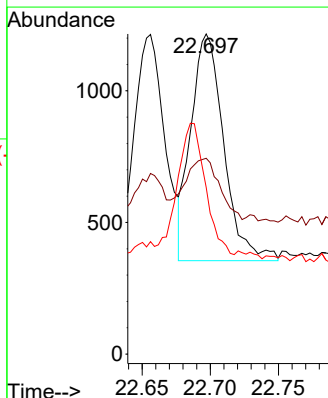
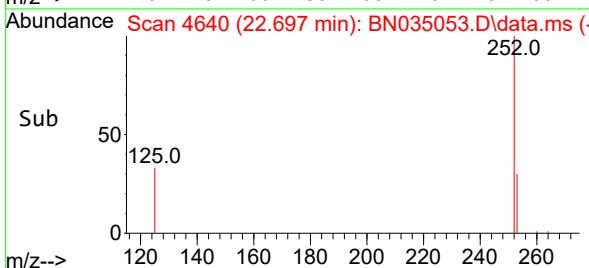
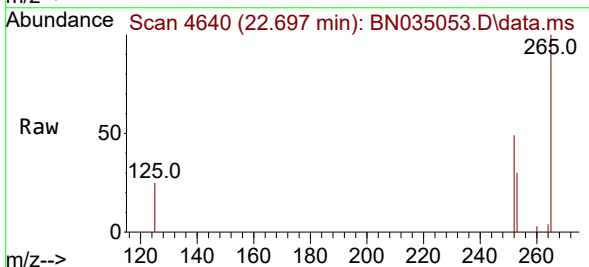
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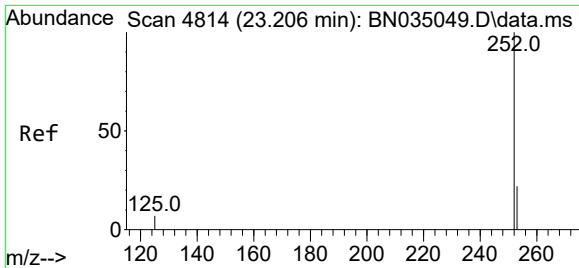
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 Supervised By :mohammad ahmed 11/14/2024



#25
 Benzo(k)fluoranthene
 Concen: 0.030 ng/ul m
 RT: 22.697 min Scan# 4640
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

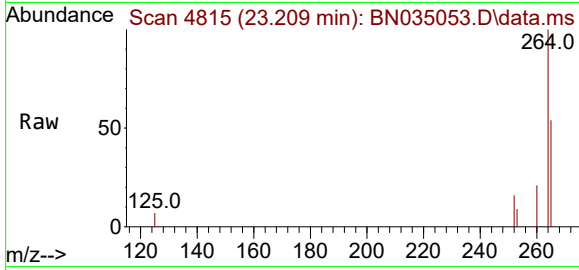
Tgt Ion:252 Resp: 1447
 Ion Ratio Lower Upper
 252 100
 253 61.2 20.2 30.4#
 125 52.1 5.8 8.8#





#26
 Benzo(a)pyrene
 Concen: 0.029 ng/ul m
 RT: 23.209 min Scan# 4814
 Delta R.T. 0.003 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

Instrument :
 BNA_N
 ClientSampleId :
 C0AF7

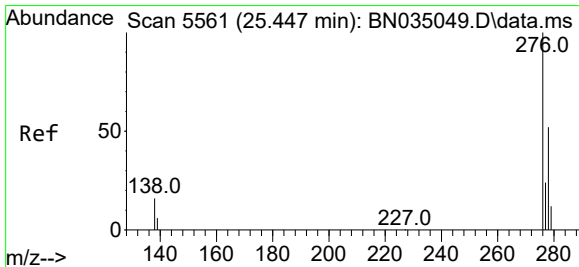
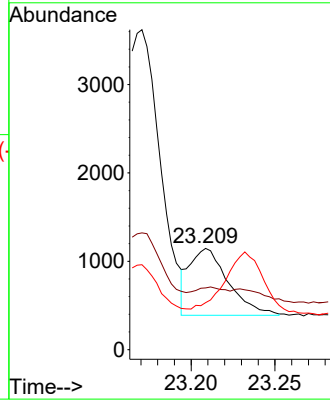
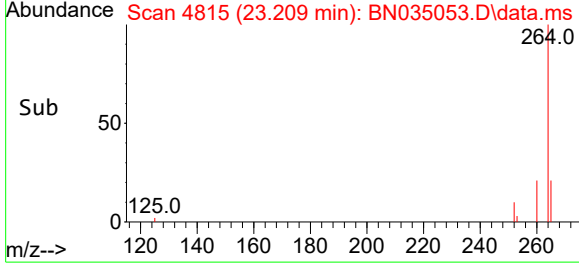


Tgt Ion: 252 Resp: 1220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100 | | |
| 253 | 60.9 | 21.2 | 31.8 |
| 125 | 46.4 | 6.3 | 9.5 |

Manual Integrations
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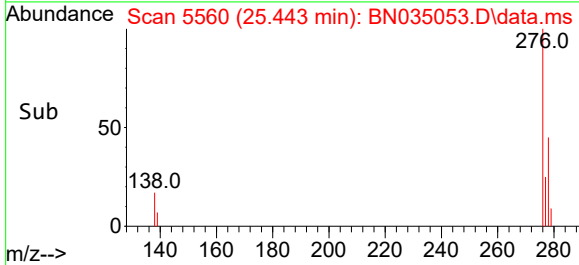
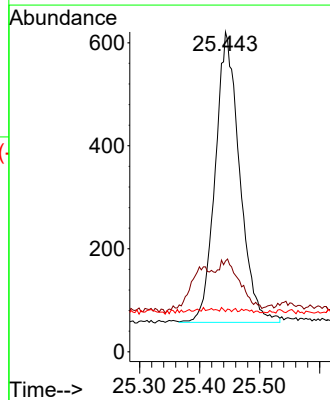
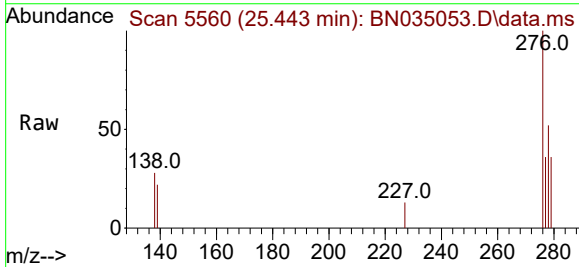
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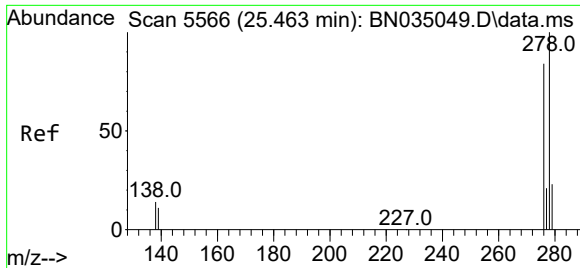


#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.031 ng/ul m
 RT: 25.443 min Scan# 5560
 Delta R.T. -0.003 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

Tgt Ion: 276 Resp: 1586

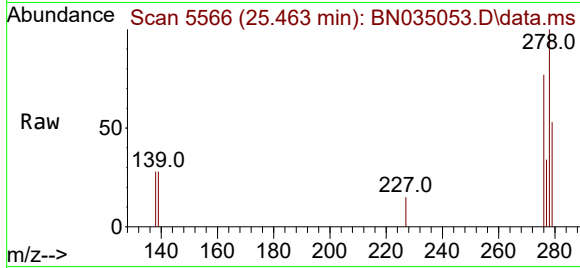
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100 | | |
| 138 | 0.0 | 10.8 | 16.2 |
| 227 | 0.3 | 0.2 | 0.4 |





#28
 Dibenzo(a,h)anthracene
 Concen: 0.030 ng/ul m
 RT: 25.463 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

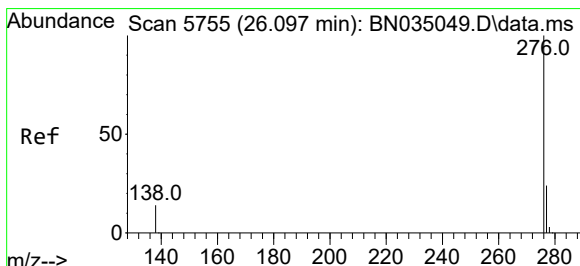
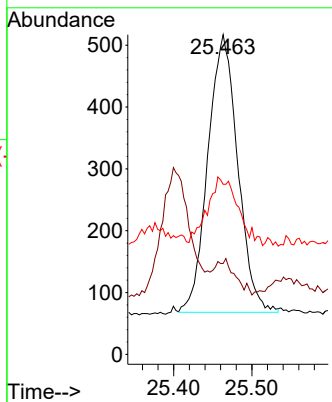
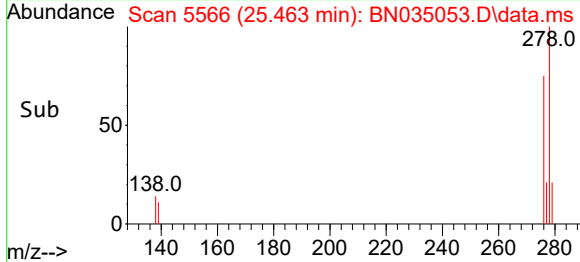
Instrument :
 BNA_N
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Tgt Ion: 278 Resp: 1192
 Ion Ratio Lower Upper
 278 100
 139 28.4 8.4 12.6
 279 53.2 21.5 32.3

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 Supervised By :mohammad ahmed 11/14/2024



#29
 Benzo(g,h,i)perylene
 Concen: 0.033 ng/ul m
 RT: 26.101 min Scan# 5756
 Delta R.T. 0.003 min
 Lab File: BN035053.D
 Acq: 13 Nov 2024 01:59

Tgt Ion: 276 Resp: 1271
 Ion Ratio Lower Upper
 276 100
 138 29.1 10.3 15.5#
 277 38.6 20.2 30.2#

