

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062423\  
 Data File : BN026002.D  
 Acq On : 24 Jun 2023 12:34  
 Operator : MA/JU  
 Sample : 03085-17  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFQ3

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/25/2023  
 Supervised By :mohammad ahmed 06/25/2023

Quant Time: Jun 24 23:49:11 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 22 01:27:41 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.976  | 152  | 6414     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.791 | 136  | 20137    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.616 | 164  | 12305    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.359 | 188  | 26494    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.551 | 240  | 18251    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.004 | 264  | 15000    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 1118     | 0.155 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.380 | 152  | 330      | 0.011 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.385 | 212  | 863      | 0.012 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 15) Phenanthrene            | 17.401 | 178  | 7288     | 0.083 | ng/ul  | 95       |
| 16) Anthracene              | 17.494 | 178  | 1590     | 0.020 | ng/ul# | 72       |
| 19) Fluoranthene            | 19.418 | 202  | 24047    | 0.247 | ng/ul  | 99       |
| 20) Pyrene                  | 19.780 | 202  | 20647    | 0.204 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.534 | 228  | 9224     | 0.123 | ng/ul# | 93       |
| 22) Chrysene                | 21.586 | 228  | 10768    | 0.137 | ng/ul# | 92       |
| 24) Benzo(b)fluoranthene    | 23.258 | 252  | 14245m   | 0.222 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.299 | 252  | 5202m    | 0.081 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.898 | 252  | 7974     | 0.143 | ng/ul# | 66       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.573 | 276  | 6197     | 0.102 | ng/ul# | 78       |
| 29) Benzo(g,h,i)perylene    | 27.358 | 276  | 5841     | 0.108 | ng/ul# | 79       |
| -----                       |        |      |          |       |        |          |

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

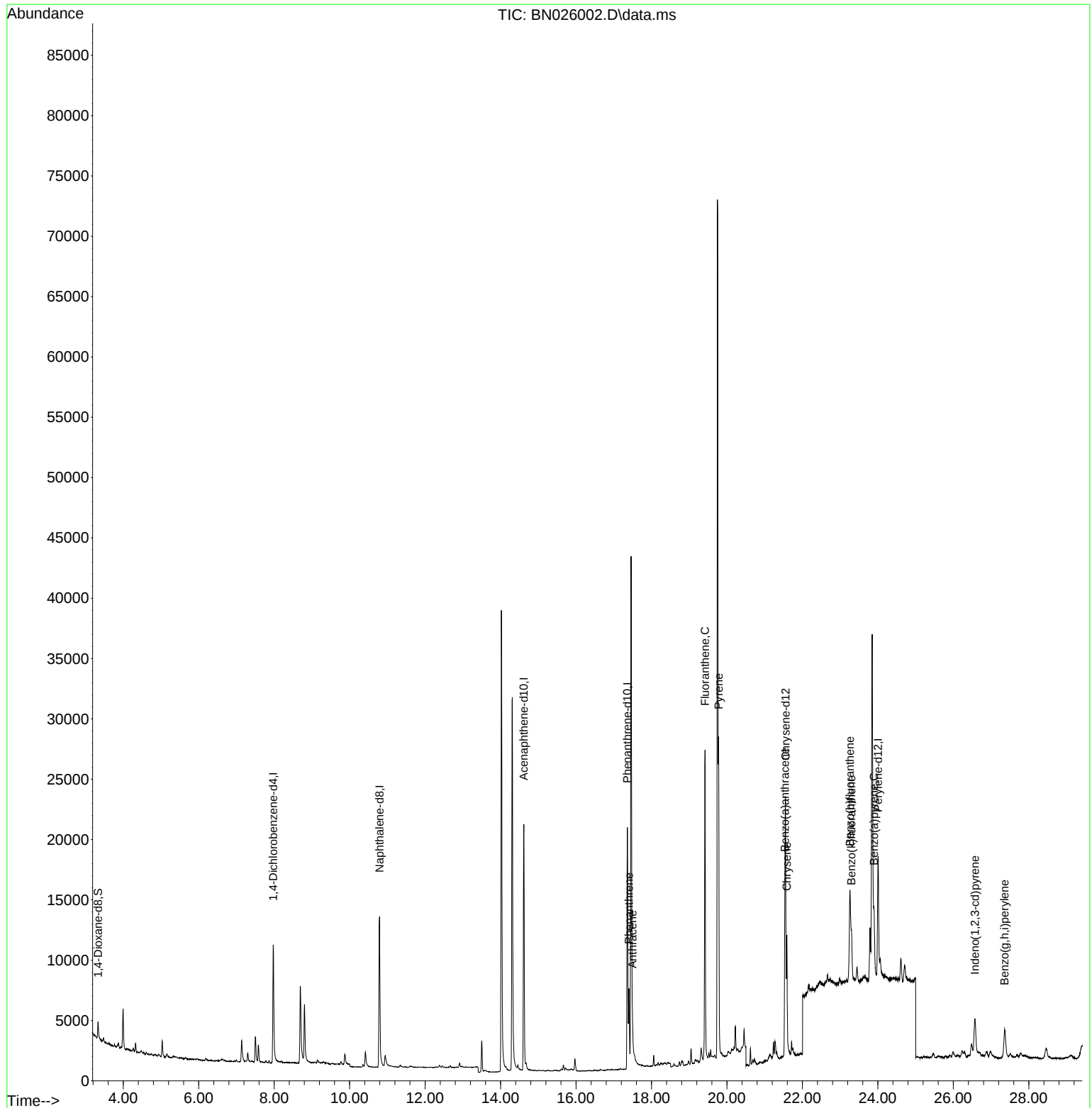
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062423\  
Data File : BN026002.D  
Acq On : 24 Jun 2023 12:34  
Operator : MA/JU  
Sample : 03085-17  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

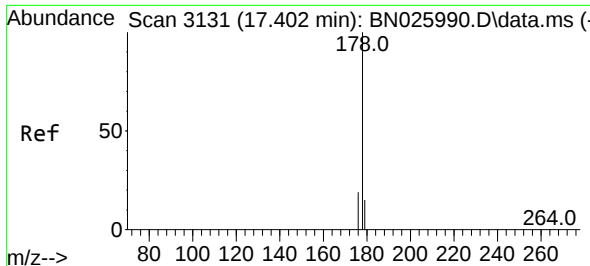
Instrument :  
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Supervised By :mohammad ahmed 06/25/2023

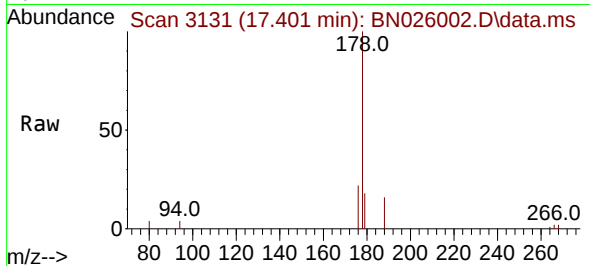
Quant Time: Jun 24 23:49:11 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 22 01:27:41 2023  
Response via : Initial Calibration





#15  
Phenanthrene  
Concen: 0.083 ng/u1  
RT: 17.401 min Scan# 3131  
Delta R.T. -0.005 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

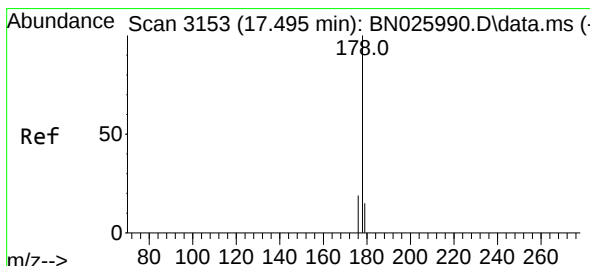
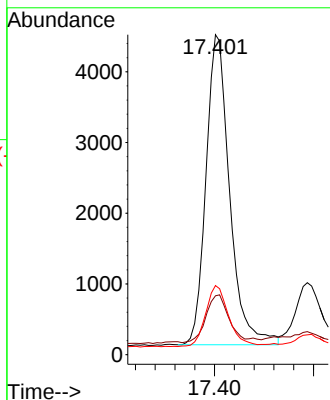
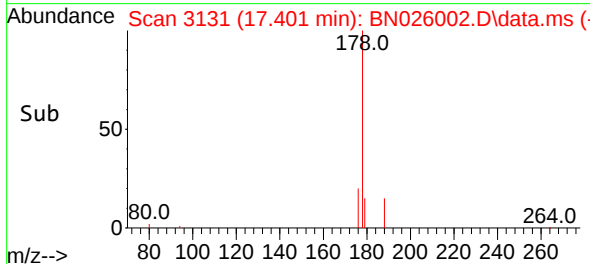
Instrument :  
BNA\_N  
ClientSampleId :  
DCFQ3



Tgt Ion:178 Resp: 7288  
Ion Ratio Lower Upper  
178 100  
179 18.4 12.6 19.0  
176 21.6 15.8 23.6

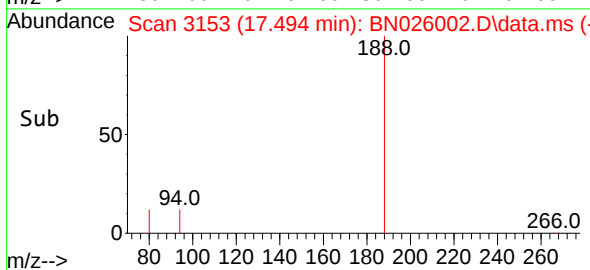
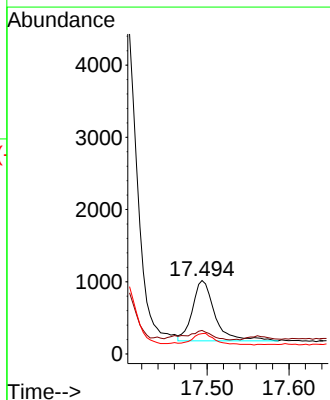
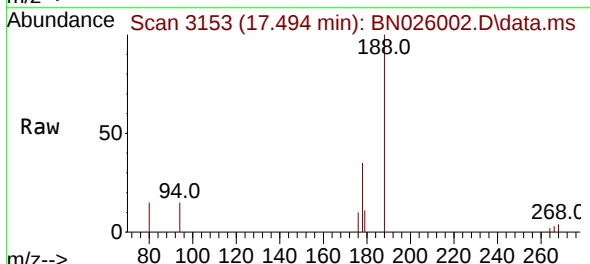
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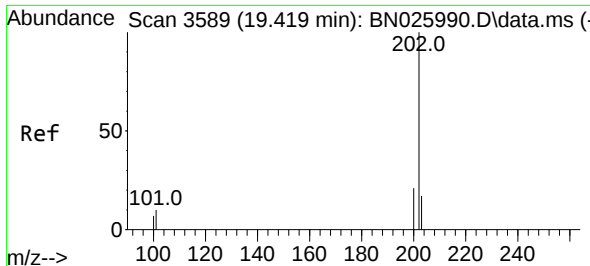
Reviewed By :Yogesh Patel 06/25/2023  
Supervised By :mohammad ahmed 06/25/2023



#16  
Anthracene  
Concen: 0.020 ng/u1  
RT: 17.494 min Scan# 3153  
Delta R.T. -0.005 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

Tgt Ion:178 Resp: 1590  
Ion Ratio Lower Upper  
178 100  
179 32.0 12.6 18.8#  
176 27.6 15.1 22.7#





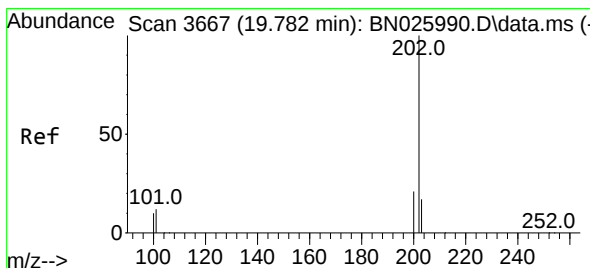
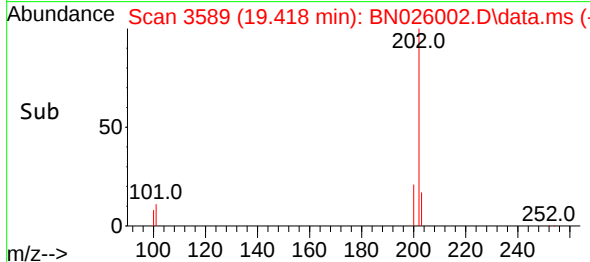
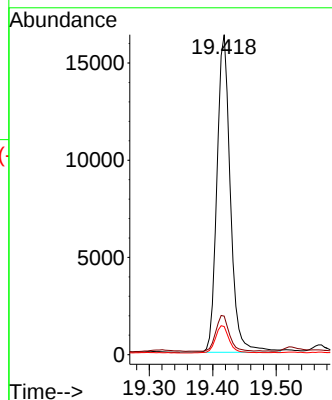
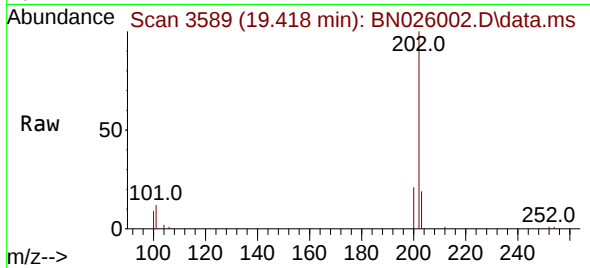
#19  
Fluoranthene  
Concen: 0.247 ng/ul  
RT: 19.418 min Scan# 3589  
Delta R.T. -0.001 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

Instrument :  
BNA\_N  
ClientSampleId :  
DCFQ3

Tgt Ion:202 Resp: 2404  
Ion Ratio Lower Upper  
202 100  
101 12.1 9.5 14.3  
100 8.8 7.3 10.9

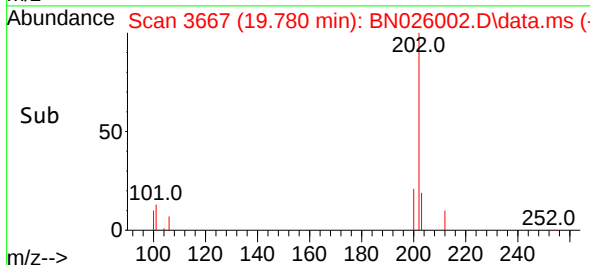
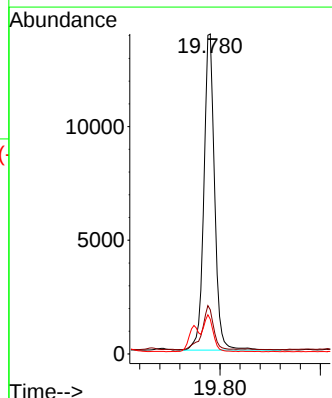
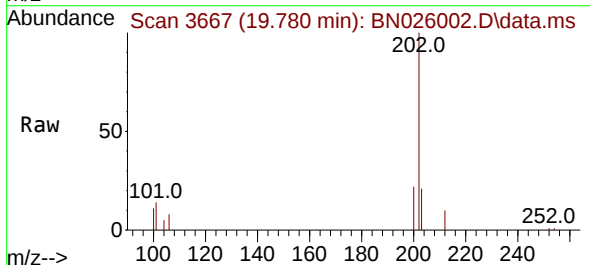
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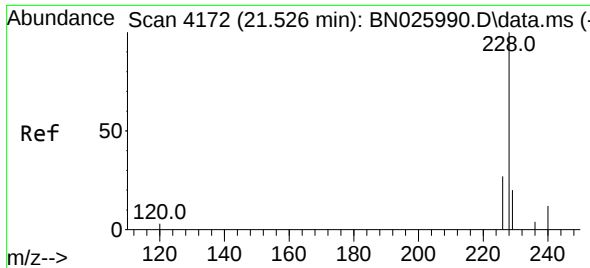
Reviewed By :Yogesh Patel 06/25/2023  
Supervised By :mohammad ahmed 06/25/2023



#20  
Pyrene  
Concen: 0.204 ng/ul  
RT: 19.780 min Scan# 3667  
Delta R.T. -0.001 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

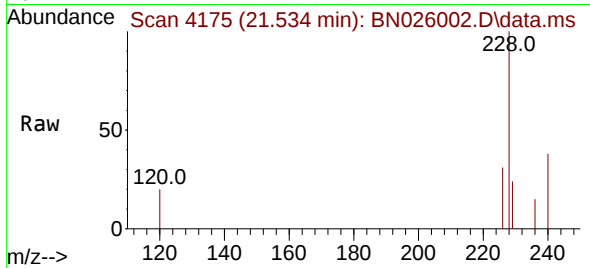
Tgt Ion:202 Resp: 20647  
Ion Ratio Lower Upper  
202 100  
101 13.8 11.4 17.0  
100 10.9 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 0.123 ng/u1  
RT: 21.534 min Scan# 4172  
Delta R.T. 0.002 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

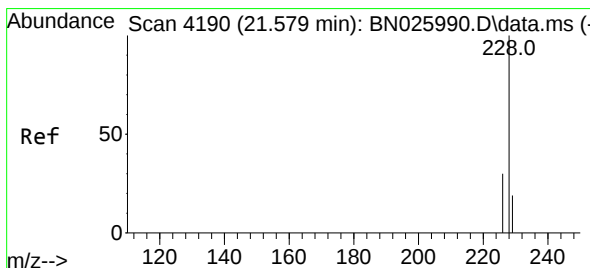
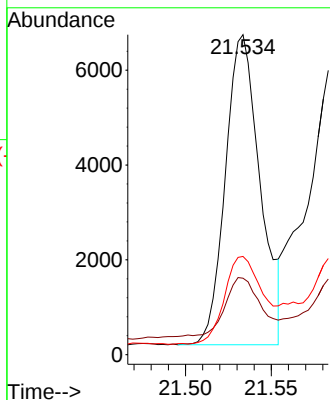
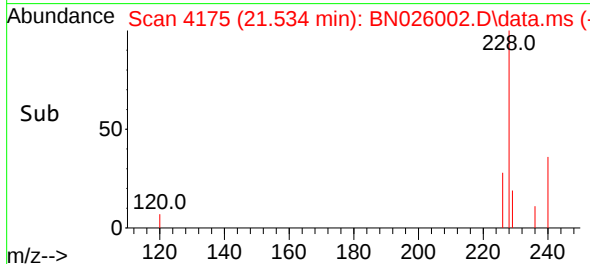
Instrument :  
BNA\_N  
ClientSampleId :  
DCFQ3



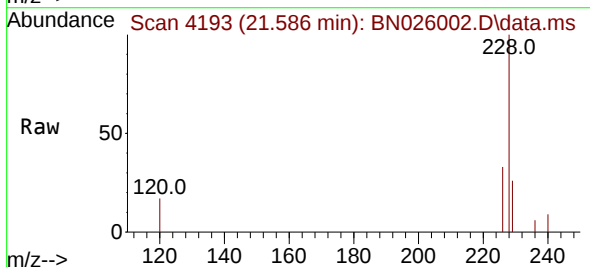
Tgt Ion:228 Resp: 9224  
Ion Ratio Lower Upper  
228 100  
229 23.9 15.8 23.6  
226 30.7 22.5 33.7

Manual Integrations  
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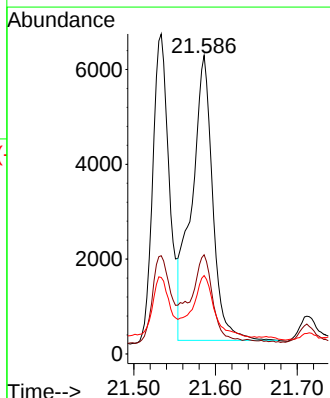
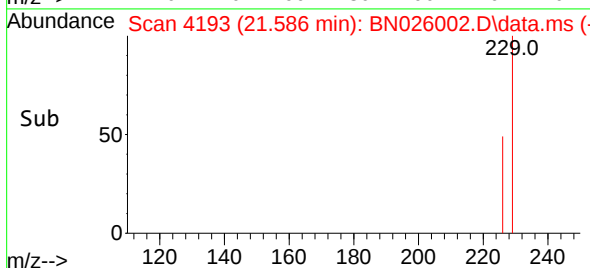
Reviewed By :Yogesh Patel 06/25/2023  
Supervised By :mohammad ahmed 06/25/2023

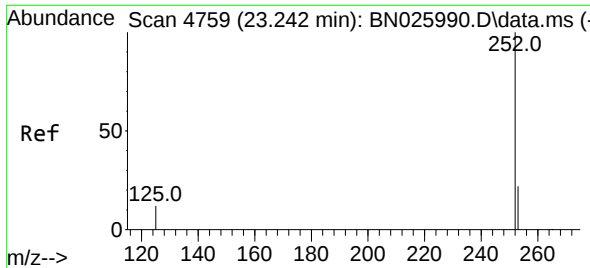


#22  
Chrysene  
Concen: 0.137 ng/u1  
RT: 21.586 min Scan# 4193  
Delta R.T. 0.002 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34



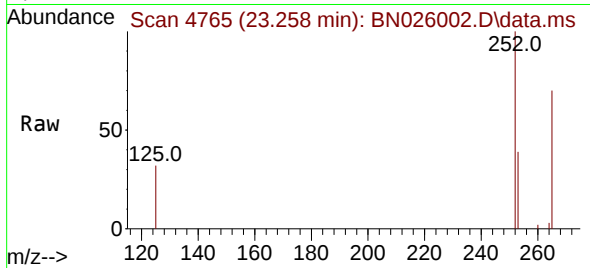
Tgt Ion:228 Resp: 10768  
Ion Ratio Lower Upper  
228 100  
226 33.2 24.8 37.2  
229 26.3 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 0.222 ng/ul m  
RT: 23.258 min Scan# 4765  
Delta R.T. 0.002 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

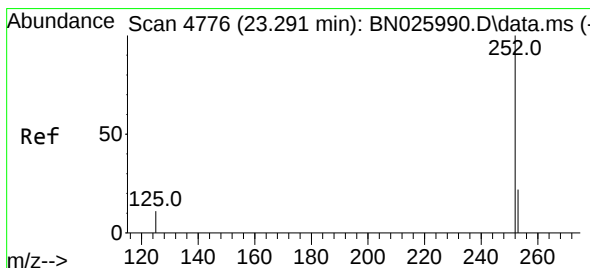
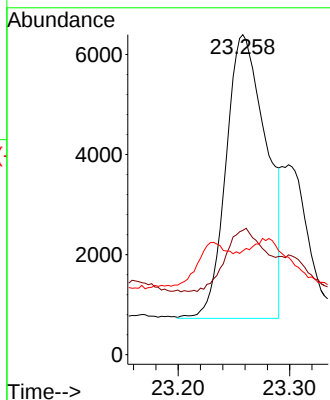
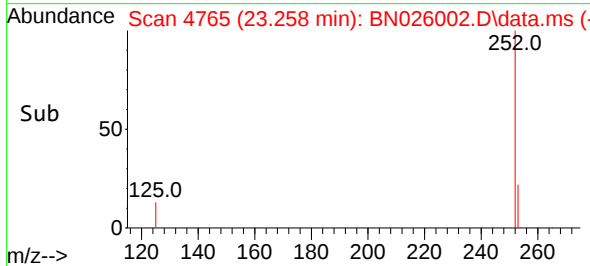
Instrument :  
BNA\_N  
ClientSampleId :  
DCFQ3



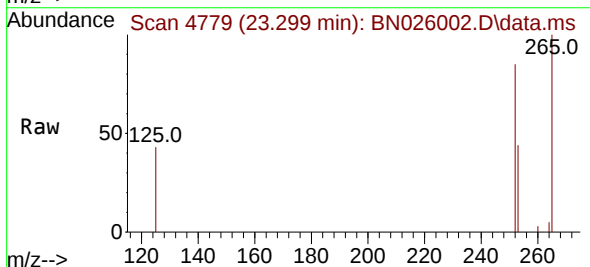
Tgt Ion:252 Resp: 14245  
Ion Ratio Lower Upper  
252 100  
253 38.9 0.0 55.6  
125 32.5 0.0 35.8

Manual Integrations  
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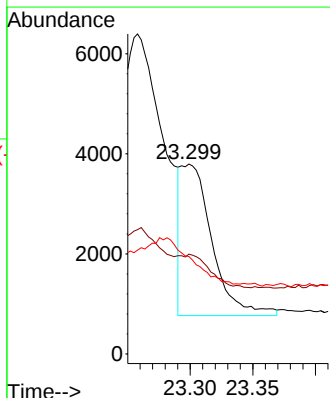
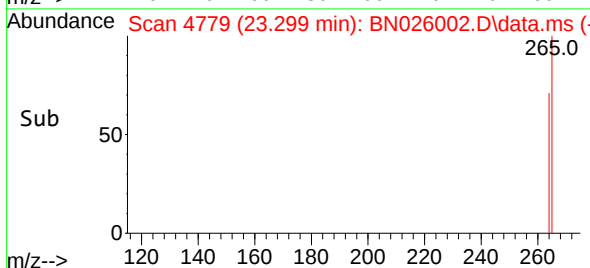
Reviewed By :Yogesh Patel 06/25/2023  
Supervised By :mohammad ahmed 06/25/2023

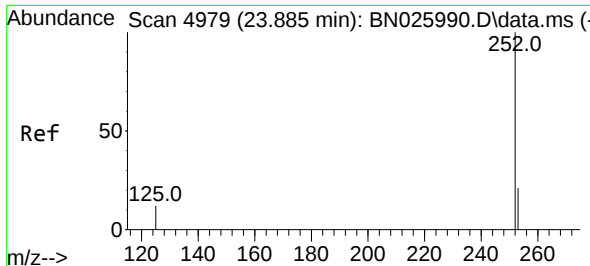


#25  
Benzo(k)fluoranthene  
Concen: 0.081 ng/ul m  
RT: 23.299 min Scan# 4779  
Delta R.T. -0.010 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34



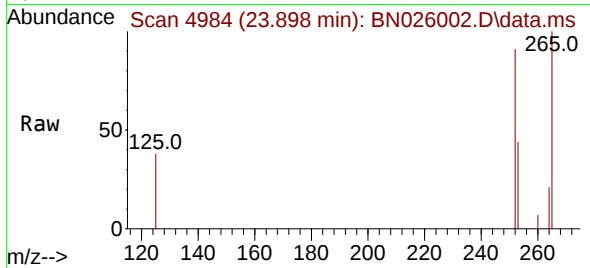
Tgt Ion:252 Resp: 5202  
Ion Ratio Lower Upper  
252 100  
253 52.6 23.2 34.8#  
125 51.3 15.0 22.4#





#26  
Benzo(a)pyrene  
Concen: 0.143 ng/ul  
RT: 23.898 min Scan# 4984  
Delta R.T. -0.010 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

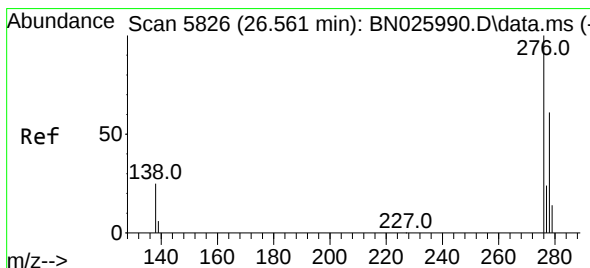
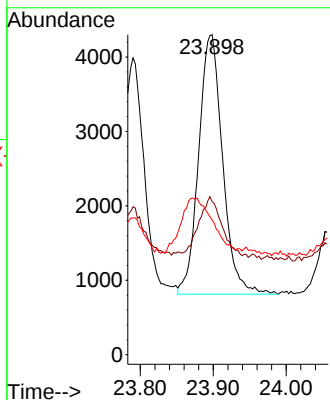
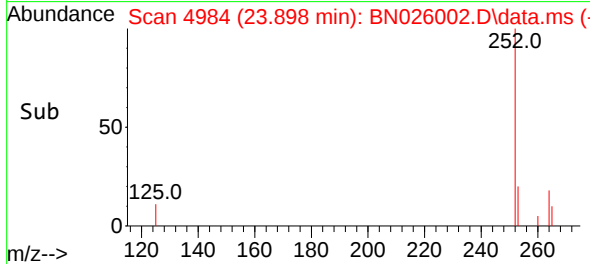
Instrument :  
BNA\_N  
ClientSampleId :  
DCFQ3



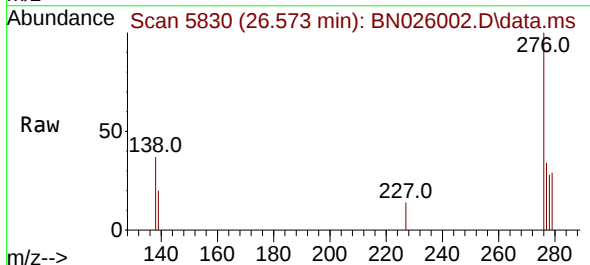
Tgt Ion:252 Resp: 7974  
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125 42.1 17.3 25.9#

Manual Integrations  
APPROVED

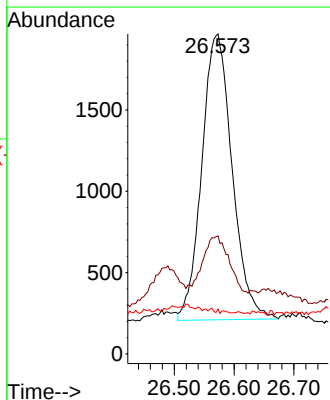
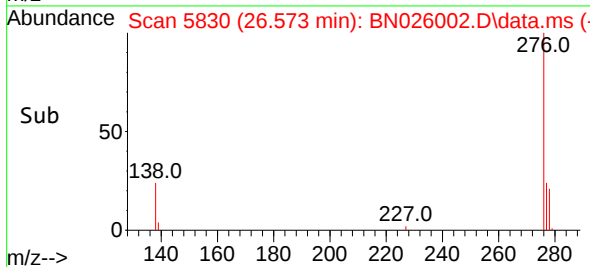
Reviewed By :Yogesh Patel 06/25/2023  
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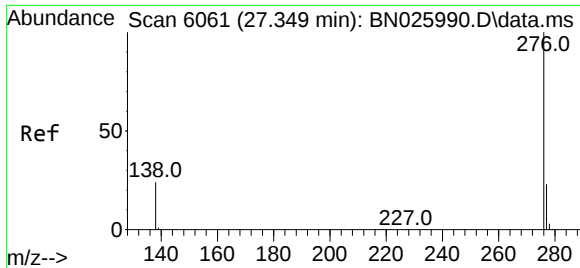


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.102 ng/ul  
RT: 26.573 min Scan# 5830  
Delta R.T. -0.021 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34



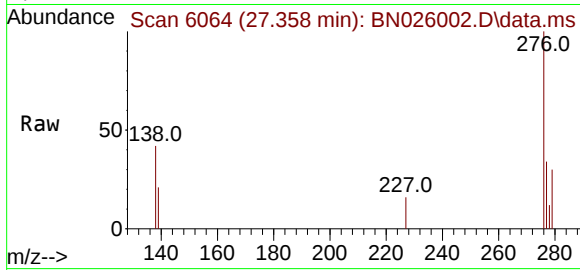
Tgt Ion:276 Resp: 6197  
Ion Ratio Lower Upper  
276 100  
138 18.5 24.5 36.7#  
227 0.0 0.0 0.0





#29  
Benzo(g,h,i)perylene  
Concen: 0.108 ng/ul  
RT: 27.358 min Scan# 6064  
Delta R.T. -0.028 min  
Lab File: BN026002.D  
Acq: 24 Jun 2023 12:34

Instrument :  
BNA\_N  
ClientSampleId :  
DCFQ3



Tgt Ion: 276 Resp: 584  
Ion Ratio Lower Upper  
276 100  
138 41.6 23.4 35.0  
277 34.1 20.0 30.0

Manual Integrations  
APPROVED

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Supervised By : mohammad ahmed 06/25/2023

