

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090523\  
 Data File : BN027402.D  
 Acq On : 06 Sep 2023 09:03  
 Operator : MA/JU  
 Sample : 04148-11RE  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BBK07

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/06/2023  
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 06 09:32:58 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 02 06:16:48 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.055  | 152  | 3718     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.878 | 136  | 12892    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.684 | 164  | 7462     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.430 | 188  | 16841    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.612 | 240  | 15205    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.129 | 264  | 18299    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.414  | 96   | 21059    | 4.258 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.451 | 152  | 7167     | 0.366 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.450 | 212  | 21641    | 0.415 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.452  | 88   | 2309     | 0.461 | ng/ul# | 87       |
| 15) Phenanthrene            | 17.472 | 178  | 5534     | 0.101 | ng/ul  | 95       |
| 16) Anthracene              | 17.565 | 178  | 1951     | 0.045 | ng/ul# | 82       |
| 19) Fluoranthene            | 19.483 | 202  | 12626    | 0.181 | ng/ul  | 99       |
| 20) Pyrene                  | 19.850 | 202  | 11607    | 0.163 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.595 | 228  | 5709     | 0.104 | ng/ul# | 94       |
| 22) Chrysene                | 21.650 | 228  | 4633     | 0.072 | ng/ul# | 93       |
| 24) Benzo(b)fluoranthene    | 23.348 | 252  | 8435m    | 0.098 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.401 | 252  | 3463m    | 0.041 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.021 | 252  | 6100     | 0.090 | ng/ul# | 76       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.790 | 276  | 5140     | 0.069 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.814 | 278  | 1413     | 0.025 | ng/ul# | 24       |
| 29) Benzo(g,h,i)perylene    | 27.619 | 276  | 5805     | 0.086 | ng/ul# | 89       |
| -----                       |        |      |          |       |        |          |

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

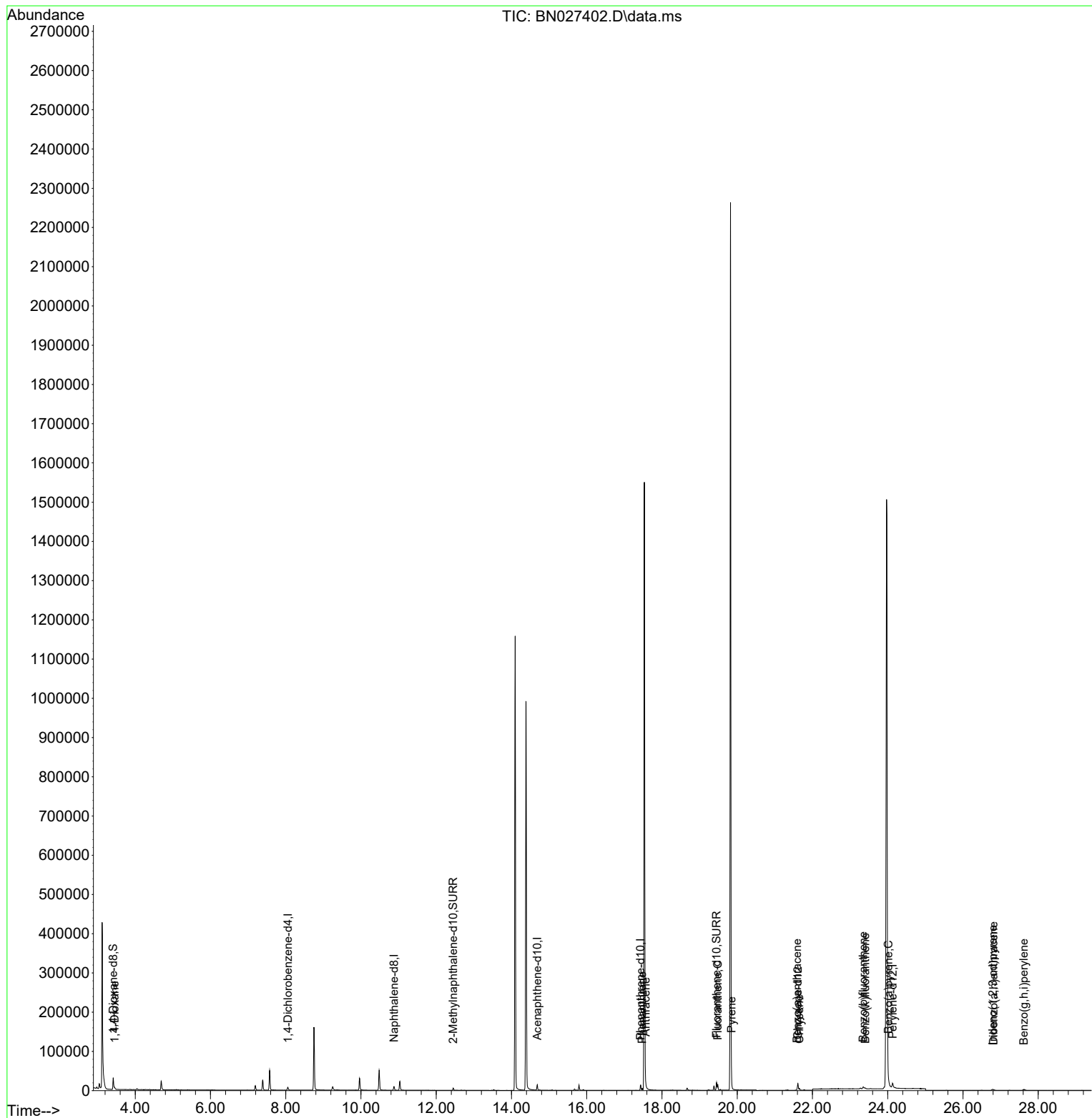
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090523\  
Data File : BN027402.D  
Acq On : 06 Sep 2023 09:03  
Operator : MA/JU  
Sample : 04148-11RE  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

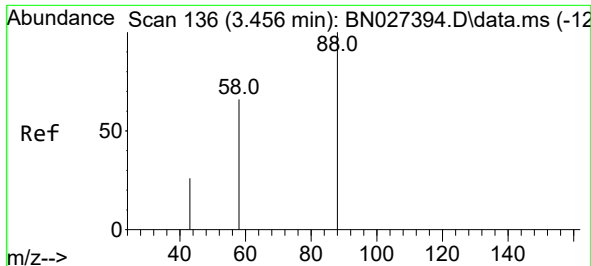
Instrument :  
BNA\_N  
ClientSampleId :  
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Manual Integrations  
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Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023

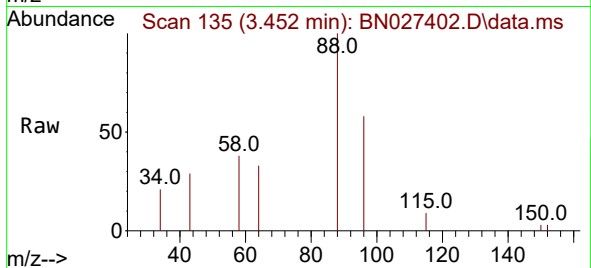
Quant Time: Sep 06 09:32:58 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 02 06:16:48 2023  
Response via : Initial Calibration





#2  
1,4-Dioxane  
Concen: 0.461 ng/ul  
RT: 3.452 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

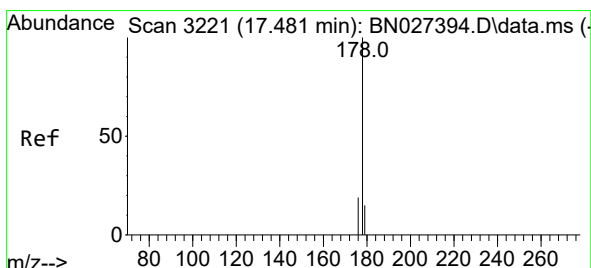
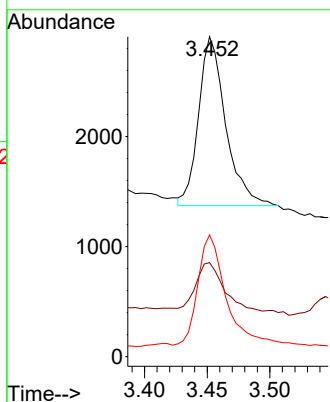
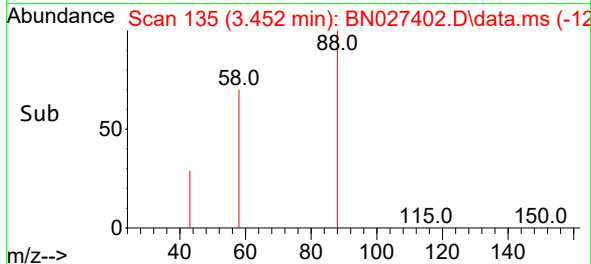
Instrument :  
BNA\_N  
ClientSampleId :  
BBK07



Tgt Ion: 88 Resp: 2309  
Ion Ratio Lower Upper  
88 100  
43 29.4 26.8 40.2  
58 38.1 39.9 59.9

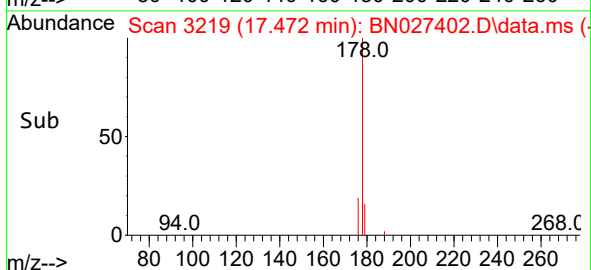
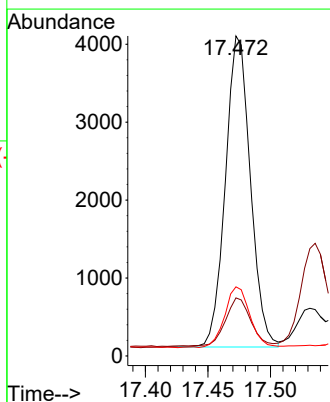
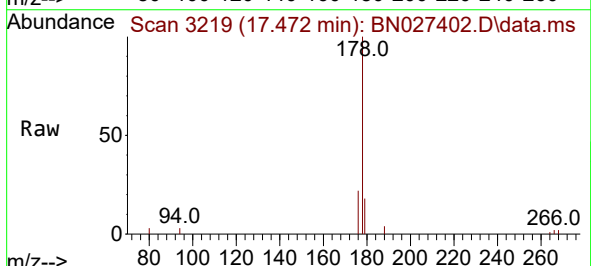
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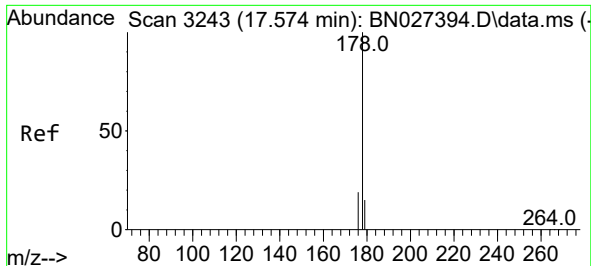
Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023



#15  
Phenanthrene  
Concen: 0.101 ng/ul  
RT: 17.472 min Scan# 3219  
Delta R.T. -0.008 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

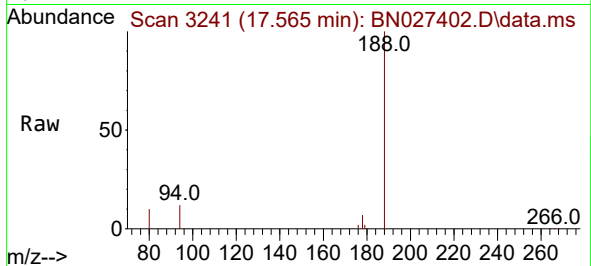
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Ion Ratio Lower Upper  
178 100  
179 18.1 12.6 19.0  
176 21.6 15.8 23.8





#16  
 Anthracene  
 Concen: 0.045 ng/ul  
 RT: 17.565 min Scan# 31  
 Delta R.T. -0.008 min  
 Lab File: BN027402.D  
 Acq: 06 Sep 2023 09:03

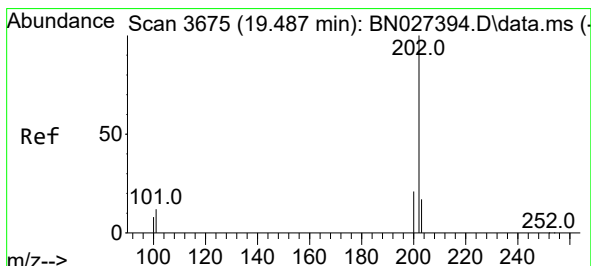
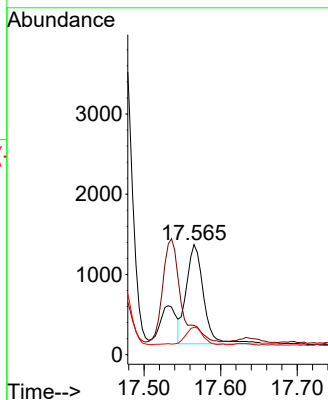
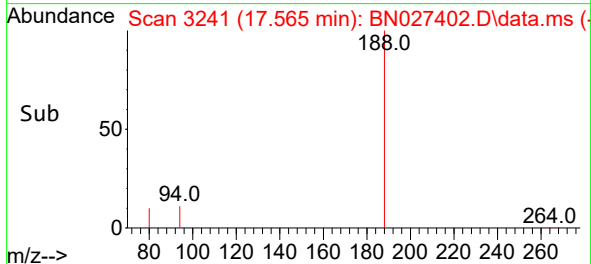
Instrument :  
 BNA\_N  
 ClientSampleId :  
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Tgt Ion:178 Resp: 195  
 Ion Ratio Lower Upper  
 178 100  
 179 26.6 13.0 19.6  
 176 25.0 15.6 23.4

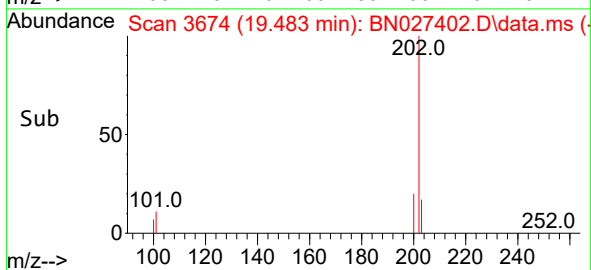
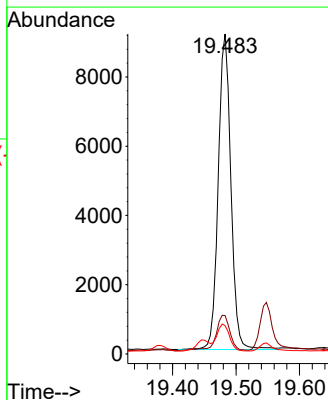
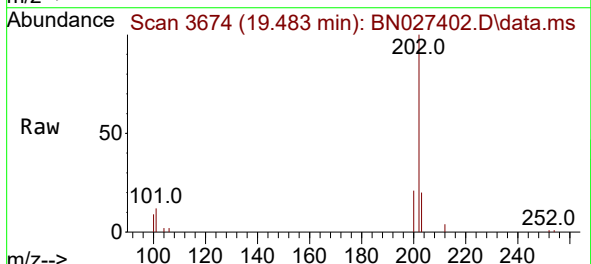
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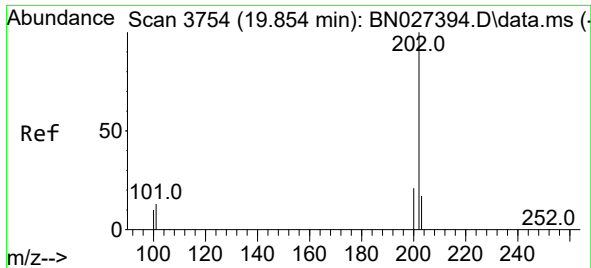
Reviewed By :Yogesh Patel 09/06/2023  
 Supervised By :mohammad ahmed 09/07/2023



#19  
 Fluoranthene  
 Concen: 0.181 ng/ul  
 RT: 19.483 min Scan# 3674  
 Delta R.T. -0.004 min  
 Lab File: BN027402.D  
 Acq: 06 Sep 2023 09:03

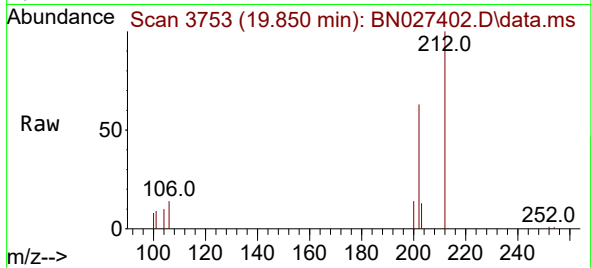
Tgt Ion:202 Resp: 12626  
 Ion Ratio Lower Upper  
 202 100  
 101 12.0 9.4 14.0  
 100 8.9 6.9 10.3





#20  
Pyrene  
Concen: 0.163 ng/ul  
RT: 19.850 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

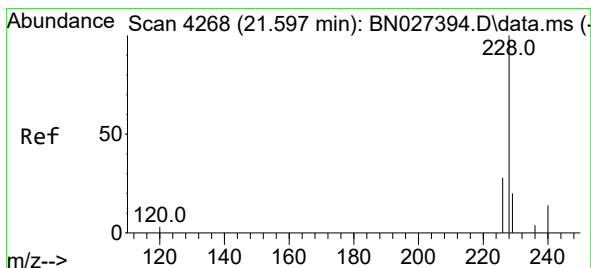
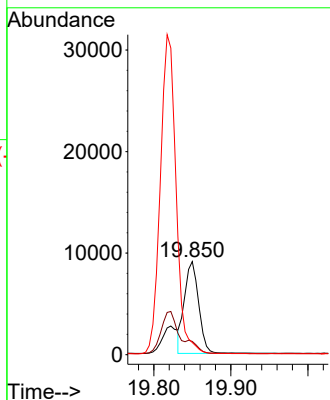
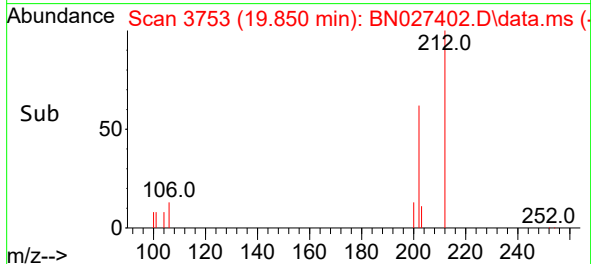
Instrument :  
BNA\_N  
ClientSampleId :  
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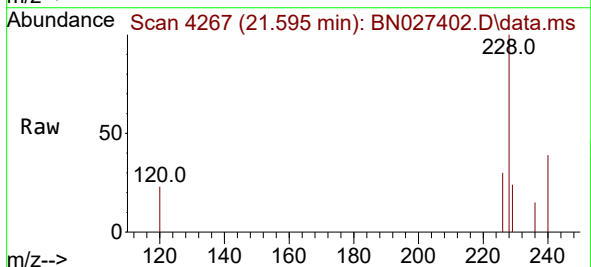
Tgt Ion:202 Resp: 1160  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.4 17.2  
100 13.0 9.4 14.2

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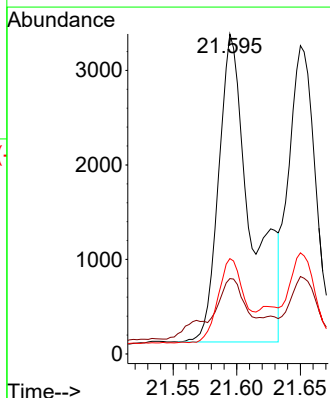
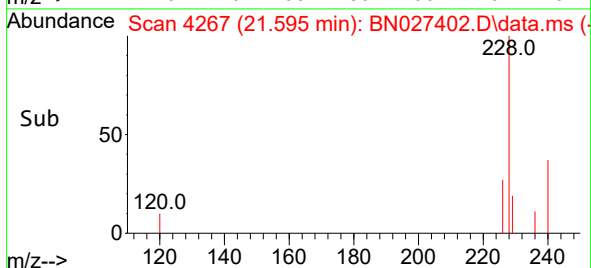
Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023

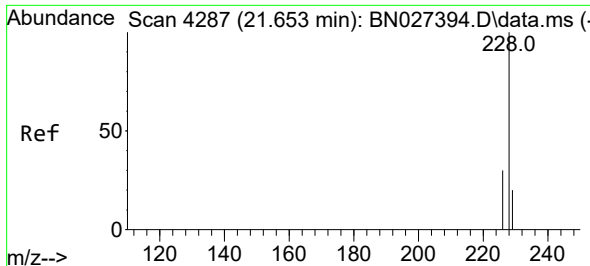


#21  
Benzo(a)anthracene  
Concen: 0.104 ng/ul  
RT: 21.595 min Scan# 4267  
Delta R.T. 0.003 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03



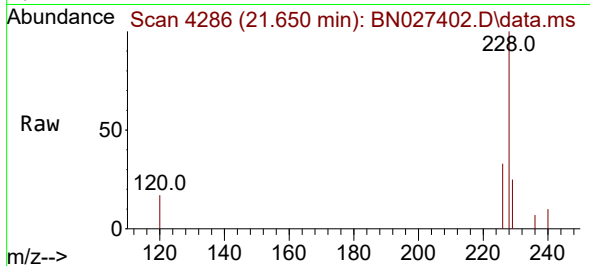
Tgt Ion:228 Resp: 5709  
Ion Ratio Lower Upper  
228 100  
229 23.5 15.7 23.5#  
226 29.8 22.0 33.0





#22  
Chrysene  
Concen: 0.072 ng/ul  
RT: 21.650 min Scan# 4287  
Delta R.T. 0.003 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

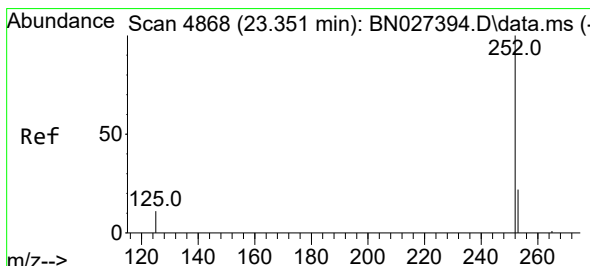
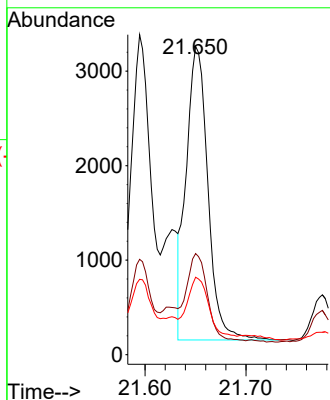
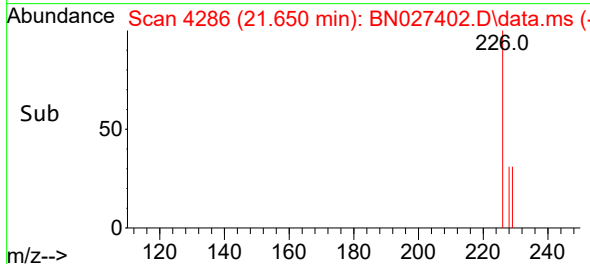
Instrument :  
BNA\_N  
ClientSampleId :  
BBK07



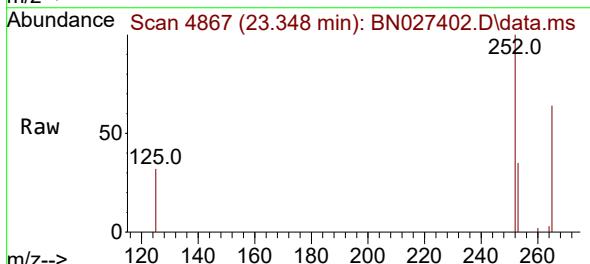
Tgt Ion:228 Resp: 4633  
Ion Ratio Lower Upper  
228 100  
226 32.8 24.4 36.6  
229 25.1 15.6 23.4

Manual Integrations  
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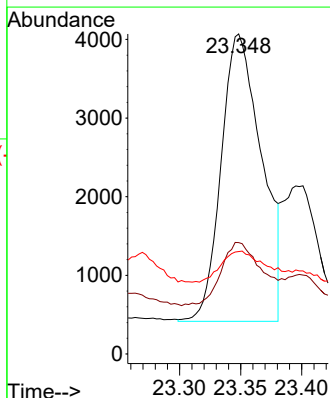
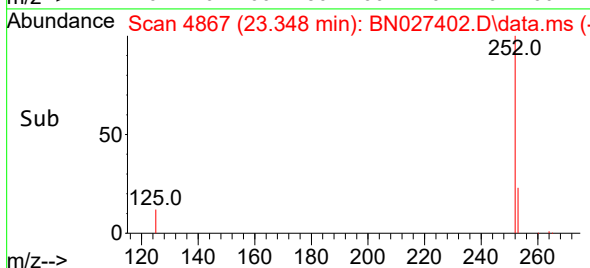
Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023

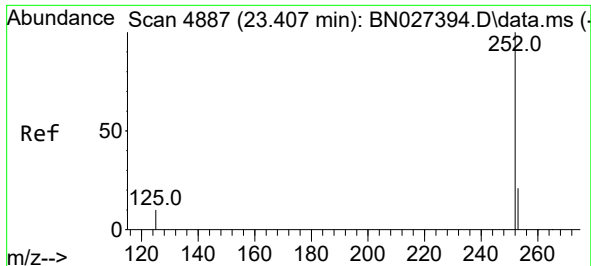


#24  
Benzo(b)fluoranthene  
Concen: 0.098 ng/ul m  
RT: 23.348 min Scan# 4867  
Delta R.T. 0.003 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03



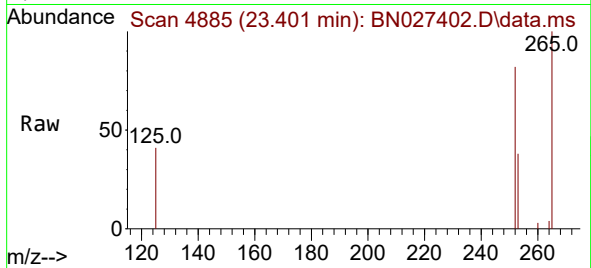
Tgt Ion:252 Resp: 8435  
Ion Ratio Lower Upper  
252 100  
253 34.8 0.0 49.6  
125 32.0 0.0 33.8





#25  
Benzo(k)fluoranthene  
Concen: 0.041 ng/ul m  
RT: 23.401 min Scan# 4885  
Delta R.T. 0.003 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

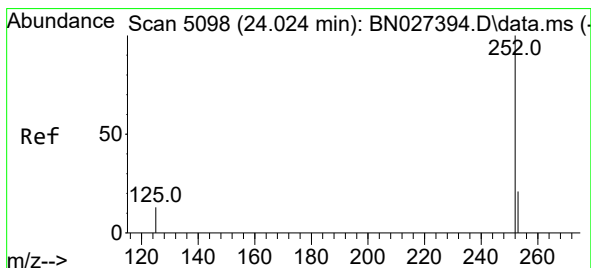
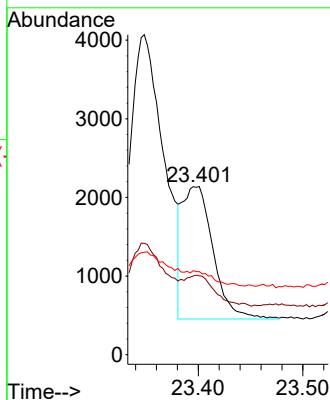
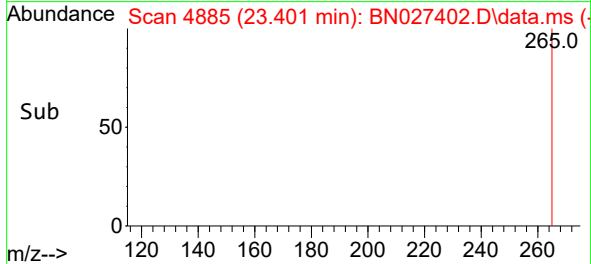
Instrument :  
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ClientSampleId :  
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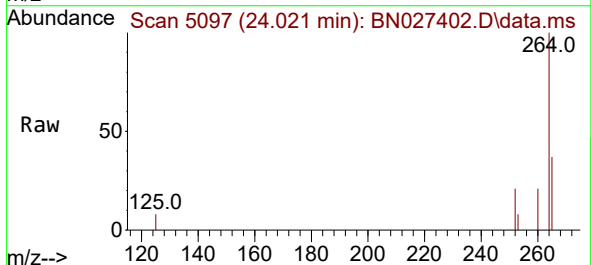
Tgt Ion:252 Resp: 346  
Ion Ratio Lower Upper  
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253 46.9 19.9 29.9#  
125 49.4 13.6 20.4#

Manual Integrations  
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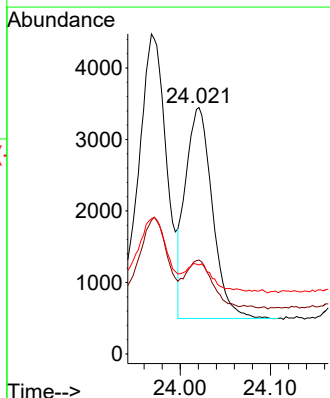
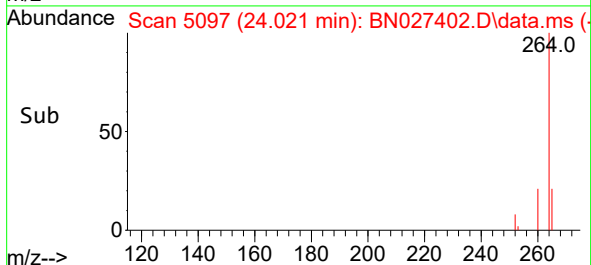
Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023

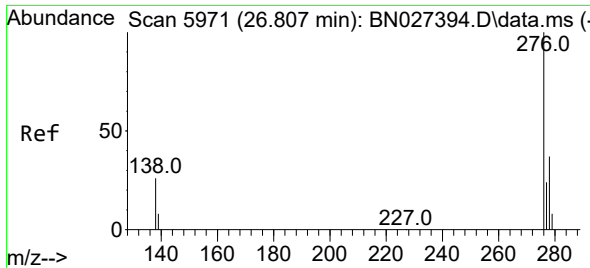


#26  
Benzo(a)pyrene  
Concen: 0.090 ng/ul  
RT: 24.021 min Scan# 5097  
Delta R.T. 0.003 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03



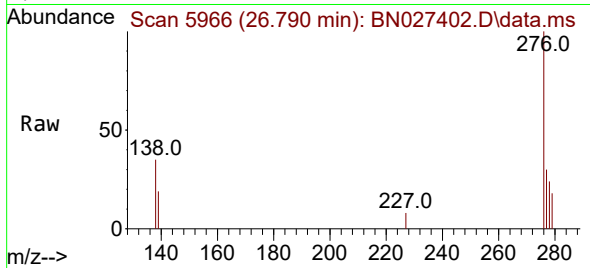
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Ion Ratio Lower Upper  
252 100  
253 38.1 22.4 33.6#  
125 36.1 17.4 26.2#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.069 ng/ul  
RT: 26.790 min Scan# 5966  
Delta R.T. -0.010 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

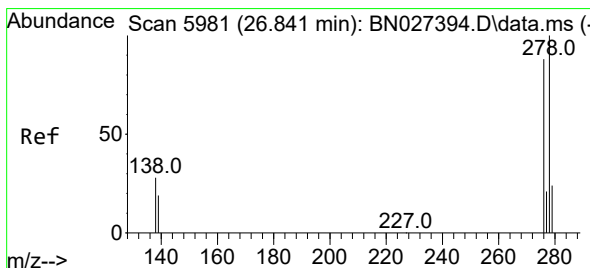
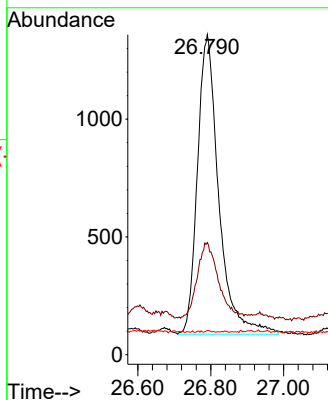
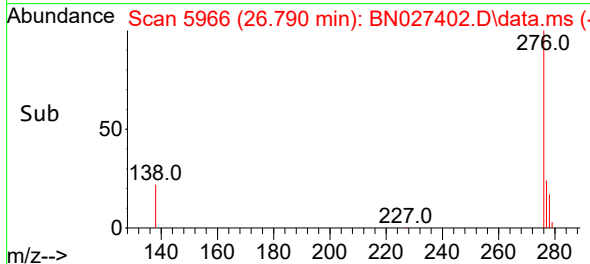
Instrument :  
BNA\_N  
ClientSampleId :  
BBK07



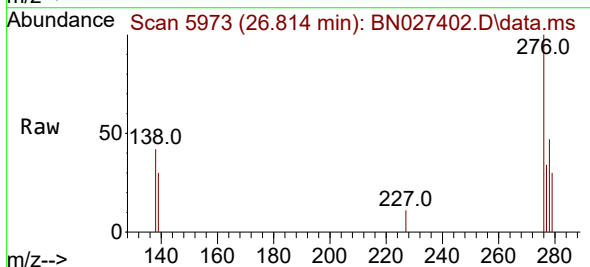
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276 100  
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227 0.2 0.1 0.1

Manual Integrations  
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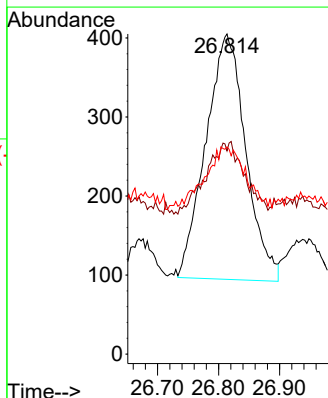
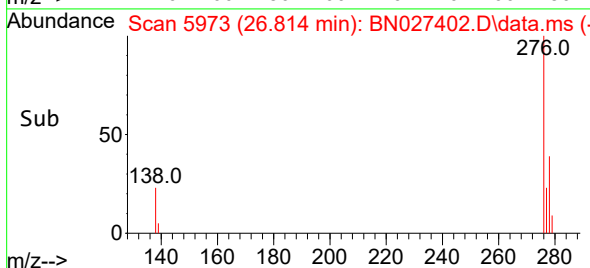
Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023

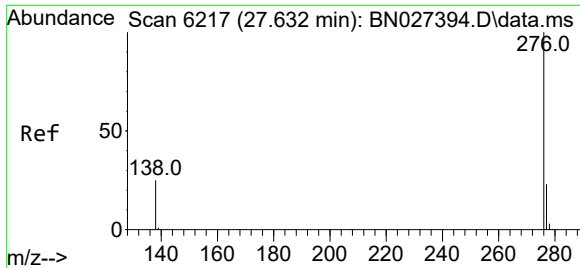


#28  
Dibenzo(a,h)anthracene  
Concen: 0.025 ng/ul  
RT: 26.814 min Scan# 5973  
Delta R.T. -0.020 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03



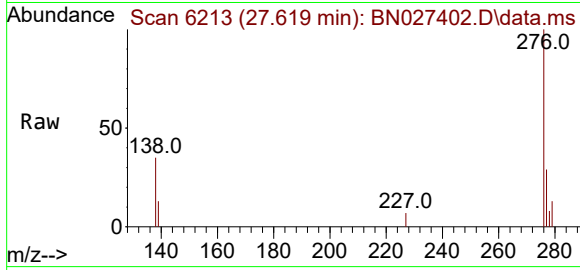
Tgt Ion:278 Resp: 1413  
Ion Ratio Lower Upper  
278 100  
139 63.5 18.0 27.0#  
279 64.7 22.7 34.1#





#29  
Benzo(g,h,i)perylene  
Concen: 0.086 ng/ul  
RT: 27.619 min Scan# 61  
Delta R.T. -0.010 min  
Lab File: BN027402.D  
Acq: 06 Sep 2023 09:03

Instrument :  
BNA\_N  
ClientSampleId :  
BBK07



Tgt Ion:276 Resp: 580  
Ion Ratio Lower Upper  
276 100  
138 34.6 22.1 33.1  
277 29.2 20.2 30.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/06/2023  
Supervised By :mohammad ahmed 09/07/2023

