

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092823\  
 Data File : BN027975.D  
 Acq On : 30 Sep 2023 00:15  
 Operator : MA/JU  
 Sample : 04497-17  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BBJ40

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/30/2023  
 Supervised By :mohammad ahmed 09/30/2023

Quant Time: Sep 30 01:06:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 27 03:52:19 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.958  | 152  | 6985     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.779 | 136  | 25864    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.601 | 164  | 15957    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.354 | 188  | 34093    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.539 | 240  | 22538    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.015 | 264  | 22083    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 17908    | 2.035 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.357 | 152  | 11470    | 0.293 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.381 | 212  | 25399    | 0.369 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.828 | 128  | 15404    | 0.208 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.396 | 178  | 3566     | 0.033 | ng/ul# | 92       |
| 19) Fluoranthene            | 19.413 | 202  | 4694     | 0.052 | ng/ul# | 88       |
| 20) Pyrene                  | 19.780 | 202  | 4425     | 0.047 | ng/ul# | 87       |
| 21) Benzo(a)anthracene      | 21.522 | 228  | 1951m    | 0.022 | ng/ul  |          |
| 22) Chrysene                | 21.580 | 228  | 1987     | 0.022 | ng/ul# | 57       |
| 24) Benzo(b)fluoranthene    | 23.249 | 252  | 2793m    | 0.028 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.907 | 252  | 1722     | 0.022 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.438 | 276  | 2580     | 0.030 | ng/ul# | 19       |
| -----                       |        |      |          |       |        |          |

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

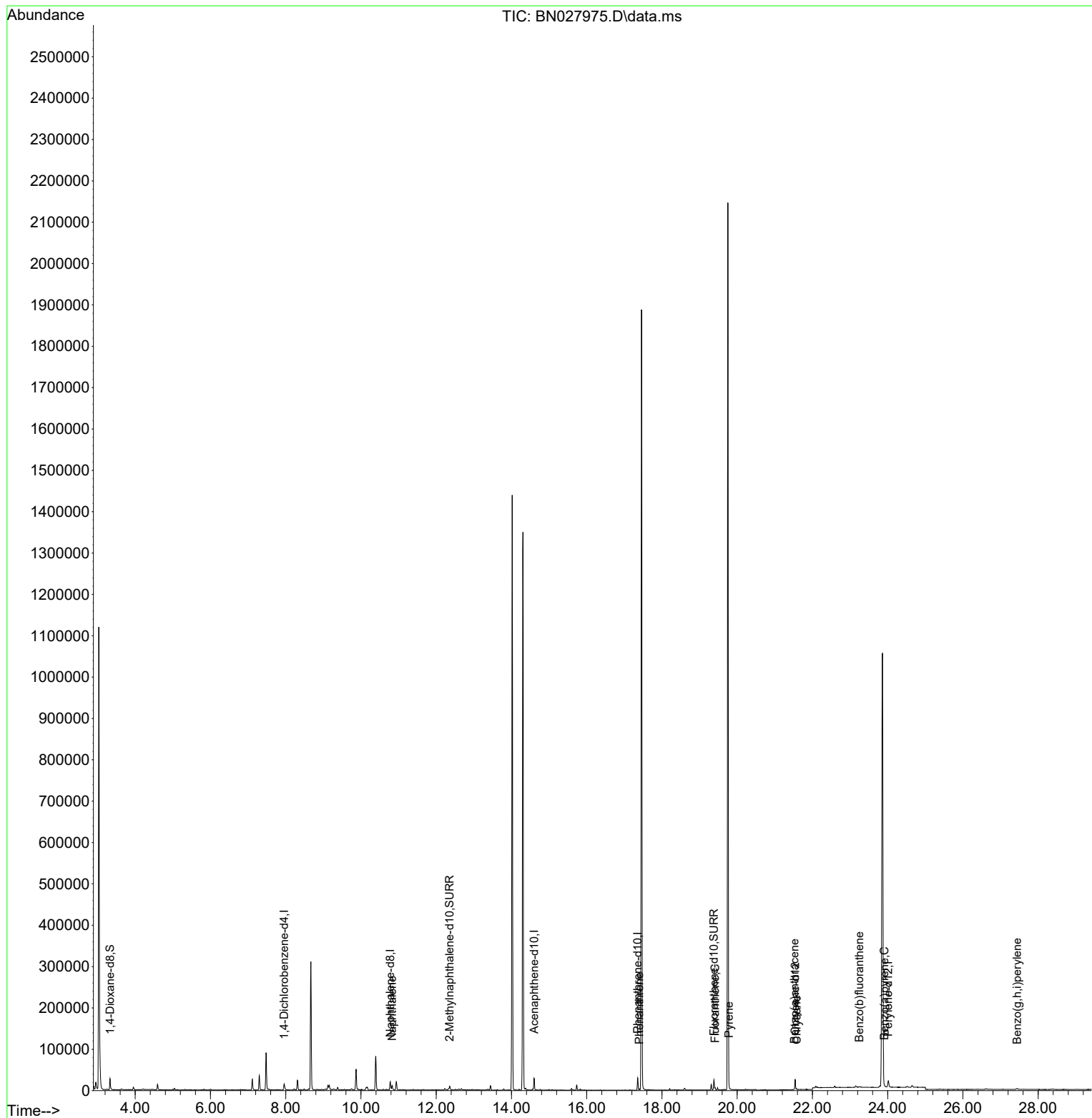
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092823\  
Data File : BN027975.D  
Acq On : 30 Sep 2023 00:15  
Operator : MA/JU  
Sample : 04497-17  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

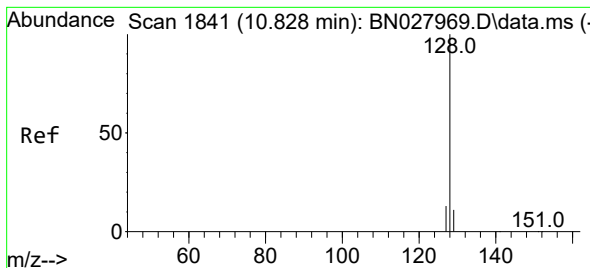
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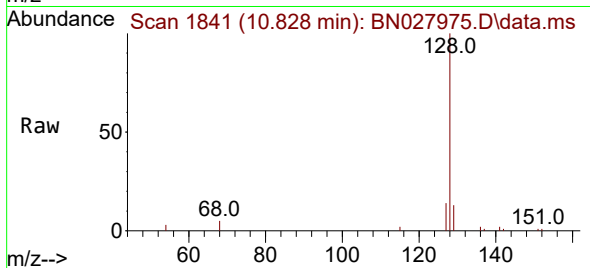
Quant Time: Sep 30 01:06:53 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 27 03:52:19 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.208 ng/ul  
RT: 10.828 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

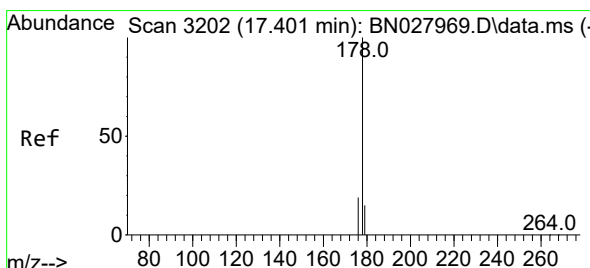
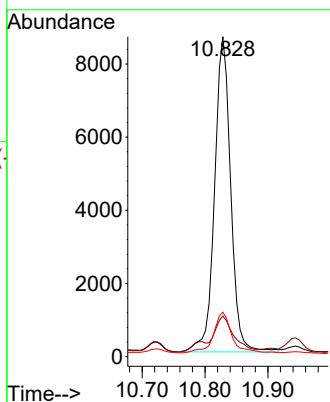
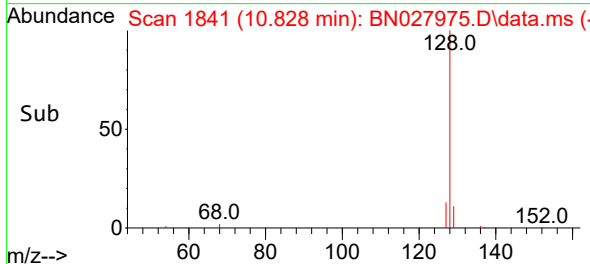
Instrument :  
BNA\_N  
ClientSampleId :  
BBJ40



Tgt Ion:128 Resp: 15404  
Ion Ratio Lower Upper  
128 100  
129 12.7 9.3 13.9  
127 13.9 10.7 16.1

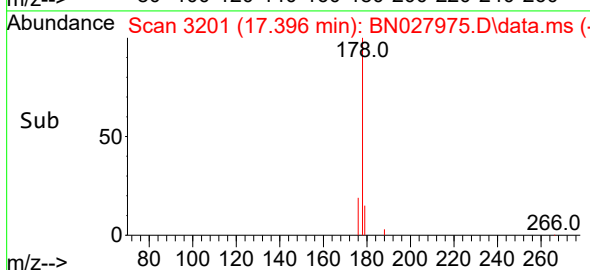
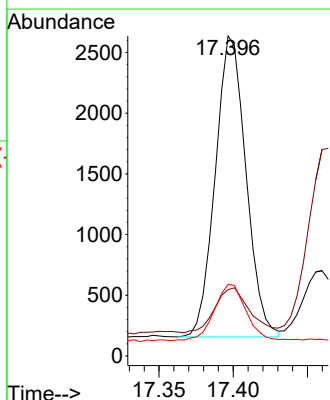
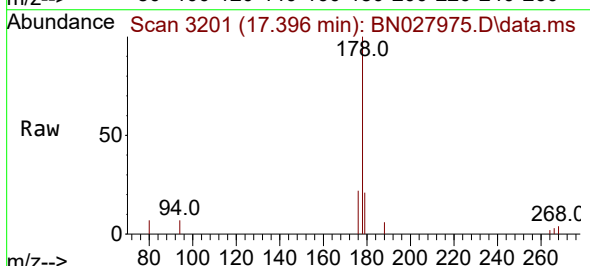
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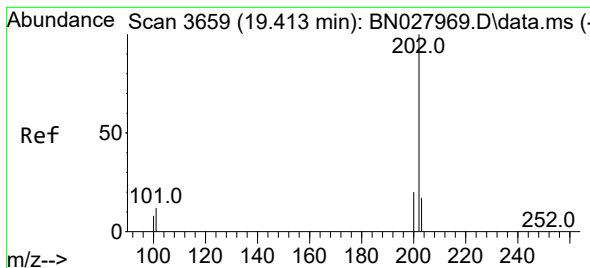
Reviewed By :Yogesh Patel 09/30/2023  
Supervised By :mohammad ahmed 09/30/2023



#15  
Phenanthrene  
Concen: 0.033 ng/ul  
RT: 17.396 min Scan# 3201  
Delta R.T. 0.000 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

Tgt Ion:178 Resp: 3566  
Ion Ratio Lower Upper  
178 100  
179 20.8 12.4 18.6#  
176 22.3 16.0 24.0





#19

Fluoranthene

Concen: 0.052 ng/ul

RT: 19.413 min Scan# 3659

Delta R.T. 0.005 min

Lab File: BN027975.D

Acq: 30 Sep 2023 00:15

Instrument :

BNA\_N

ClientSampleId :

BBJ40

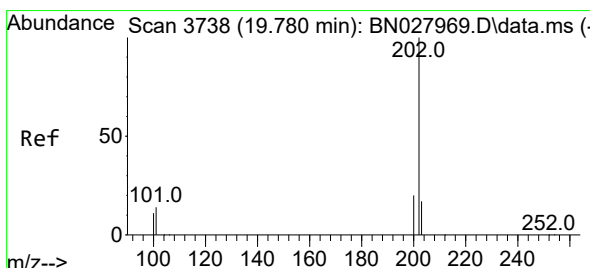
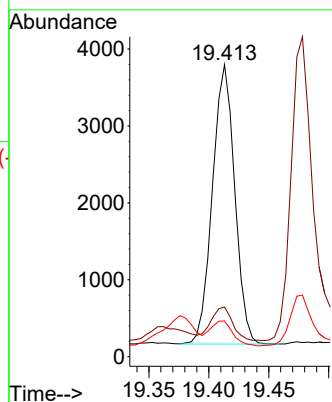
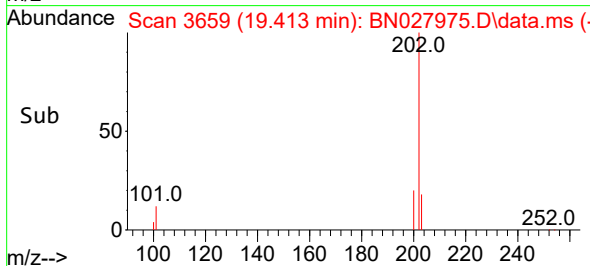
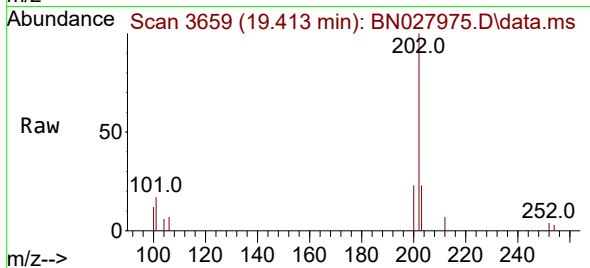
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 4694  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 17.0  | 9.3   | 13.9# |
| 100       | 12.2  | 7.0   | 10.4# |

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#20

Pyrene

Concen: 0.047 ng/ul

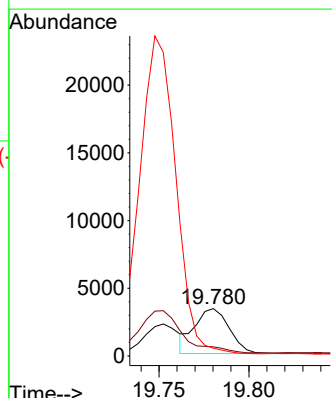
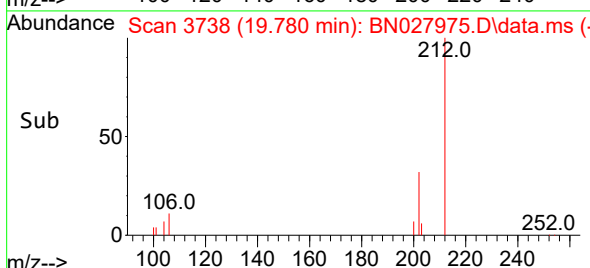
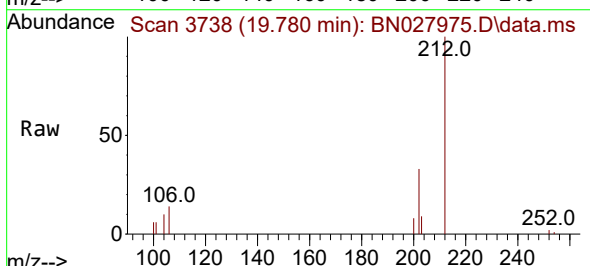
RT: 19.780 min Scan# 3738

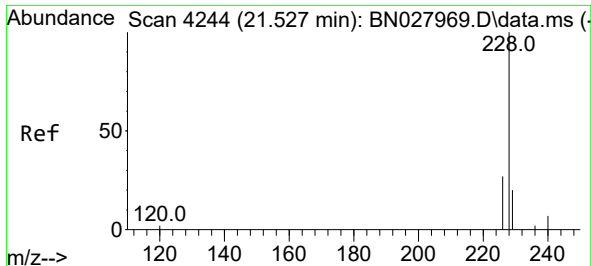
Delta R.T. 0.005 min

Lab File: BN027975.D

Acq: 30 Sep 2023 00:15

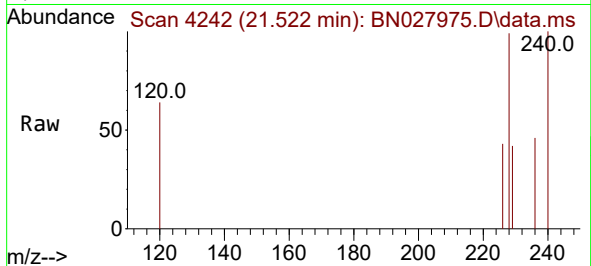
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 4425  |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 19.2  | 11.4  | 17.0# |
| 100       | 16.7  | 9.1   | 13.7# |





#21  
Benzo(a)anthracene  
Concen: 0.022 ng/ul m  
RT: 21.522 min Scan# 4244  
Delta R.T. 0.003 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

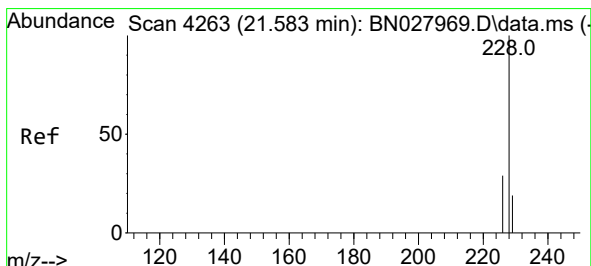
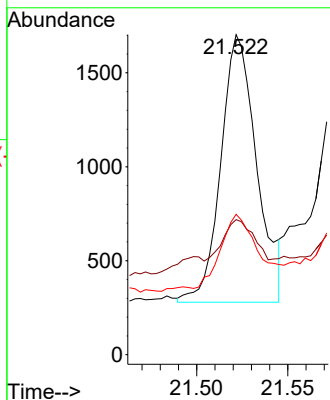
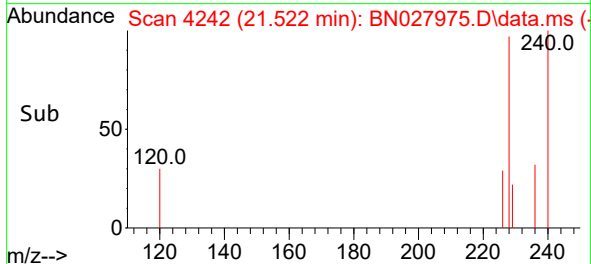
Instrument :  
BNA\_N  
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BBJ40



Tgt Ion:228 Resp: 195  
Ion Ratio Lower Upper  
228 100  
229 42.2 15.8 23.8  
226 43.9 22.0 33.0

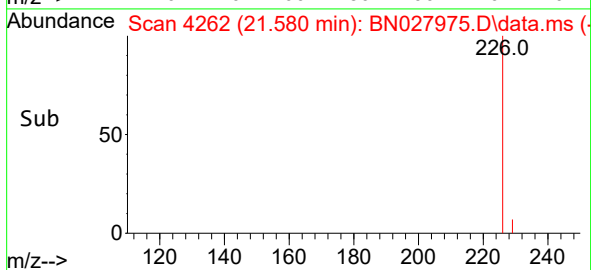
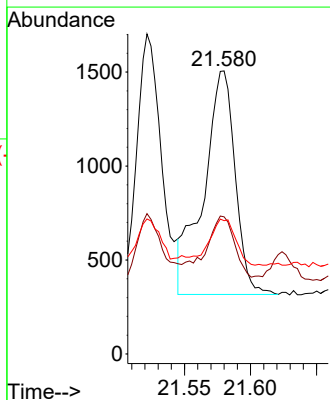
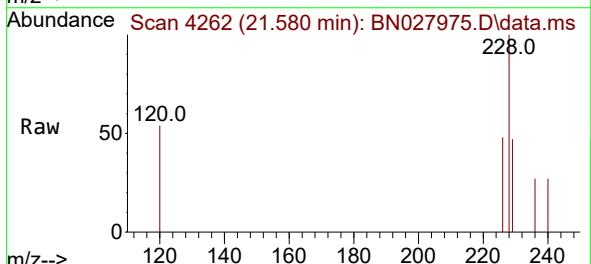
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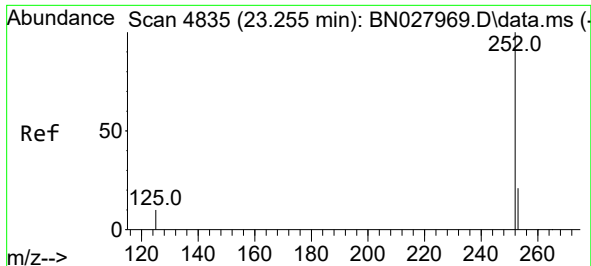
Reviewed By :Yogesh Patel 09/30/2023  
Supervised By :mohammad ahmed 09/30/2023



#22  
Chrysene  
Concen: 0.022 ng/ul  
RT: 21.580 min Scan# 4262  
Delta R.T. 0.006 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

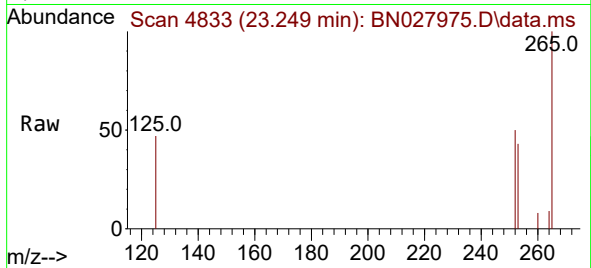
Tgt Ion:228 Resp: 1987  
Ion Ratio Lower Upper  
228 100  
226 48.5 24.5 36.7#  
229 47.1 16.0 24.0#





#24  
Benzo(b)fluoranthene  
Concen: 0.028 ng/ul m  
RT: 23.249 min Scan# 4835  
Delta R.T. 0.009 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

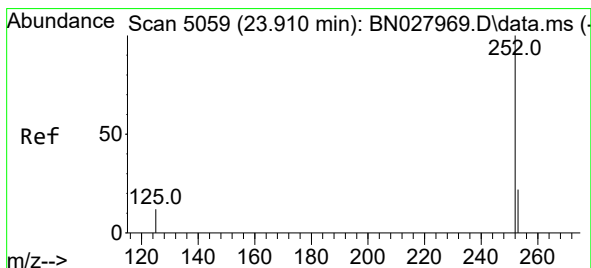
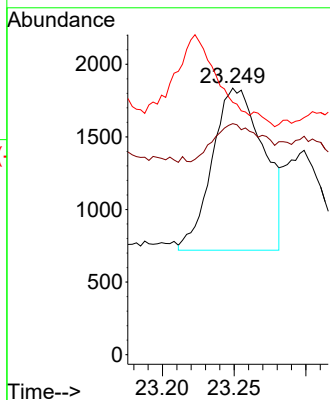
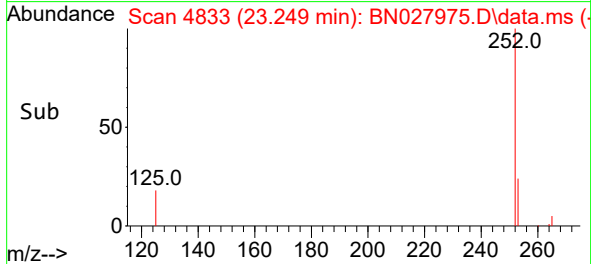
Instrument :  
BNA\_N  
ClientSampleId :  
BBJ40



Tgt Ion:252 Resp: 279  
Ion Ratio Lower Upper  
252 100  
253 86.7 0.0 50.2  
125 94.7 0.0 31.4

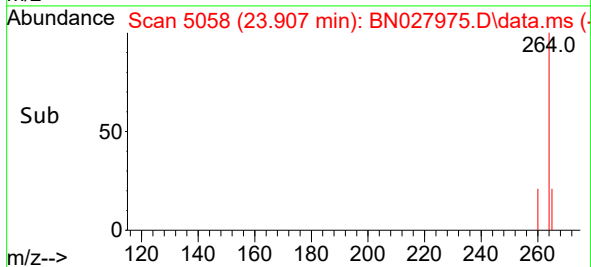
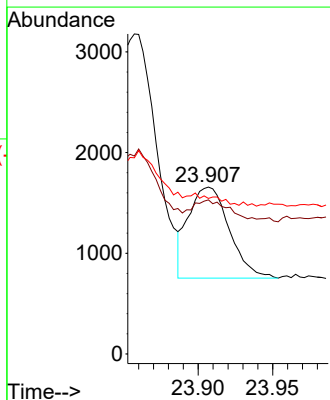
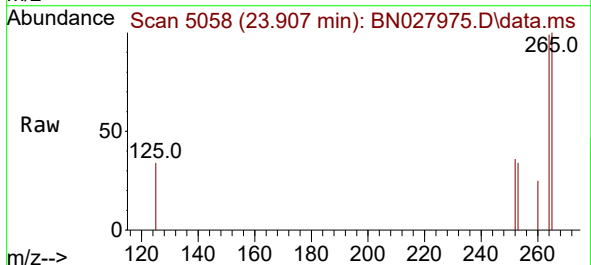
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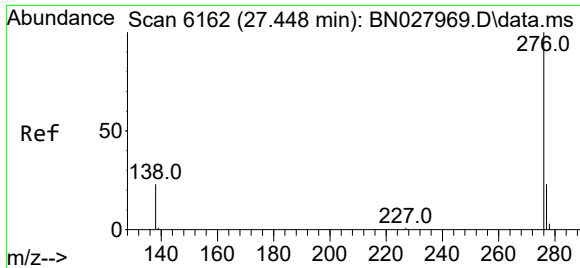
Reviewed By :Yogesh Patel 09/30/2023  
Supervised By :mohammad ahmed 09/30/2023



#26  
Benzo(a)pyrene  
Concen: 0.022 ng/ul  
RT: 23.907 min Scan# 5058  
Delta R.T. 0.012 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

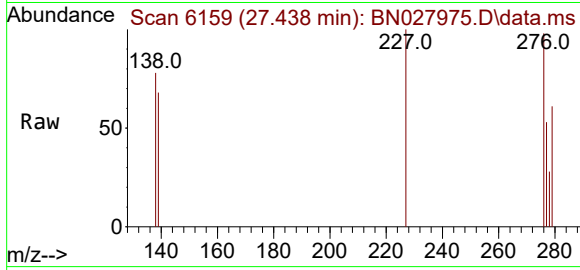
Tgt Ion:252 Resp: 1722  
Ion Ratio Lower Upper  
252 100  
253 92.3 21.9 32.9#  
125 93.2 15.5 23.3#





#29  
Benzo(g,h,i)perylene  
Concen: 0.030 ng/ul  
RT: 27.438 min Scan# 6162  
Delta R.T. 0.027 min  
Lab File: BN027975.D  
Acq: 30 Sep 2023 00:15

Instrument :  
BNA\_N  
ClientSampleId :  
BBJ40



Tgt Ion:276 Resp: 2580  
Ion Ratio Lower Upper  
276 100  
138 80.1 21.7 32.5  
277 54.3 20.2 30.2

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Supervised By :mohammad ahmed 09/30/2023

