

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071723\  
 Data File : BN026554.D  
 Acq On : 18 Jul 2023 01:49  
 Operator : MA/JU  
 Sample : 03458-13  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A46M6

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023  
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 18 04:24:07 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 17 17:14:21 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.938  | 152  | 4222     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.748 | 136  | 12993    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.579 | 164  | 8318     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.322 | 188  | 19994    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.514 | 240  | 13238    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.926 | 264  | 10796    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.297  | 96   | 1986     | 0.357 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.343 | 152  | 1517     | 0.086 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.349 | 212  | 4307     | 0.094 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.798 | 128  | 1676     | 0.047 | ng/ul# | 82       |
| 12) Fluorene                | 15.625 | 166  | 695      | 0.021 | ng/ul# | 84       |
| 15) Phenanthrene            | 17.364 | 178  | 6366     | 0.100 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.382 | 202  | 16737    | 0.270 | ng/ul  | 98       |
| 20) Pyrene                  | 19.740 | 202  | 6102     | 0.091 | ng/ul# | 91       |
| 21) Benzo(a)anthracene      | 21.497 | 228  | 6919     | 0.142 | ng/ul# | 86       |
| 22) Chrysene                | 21.549 | 228  | 5685     | 0.103 | ng/ul# | 78       |
| 24) Benzo(b)fluoranthene    | 23.195 | 252  | 6599m    | 0.157 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.236 | 252  | 3109m    | 0.071 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 26.450 | 276  | 1005     | 0.020 | ng/ul# | 67       |
| 28) Dibenzo(a,h)anthracene  | 26.457 | 278  | 941      | 0.025 | ng/ul# | 1        |
| -----                       |        |      |          |       |        |          |

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

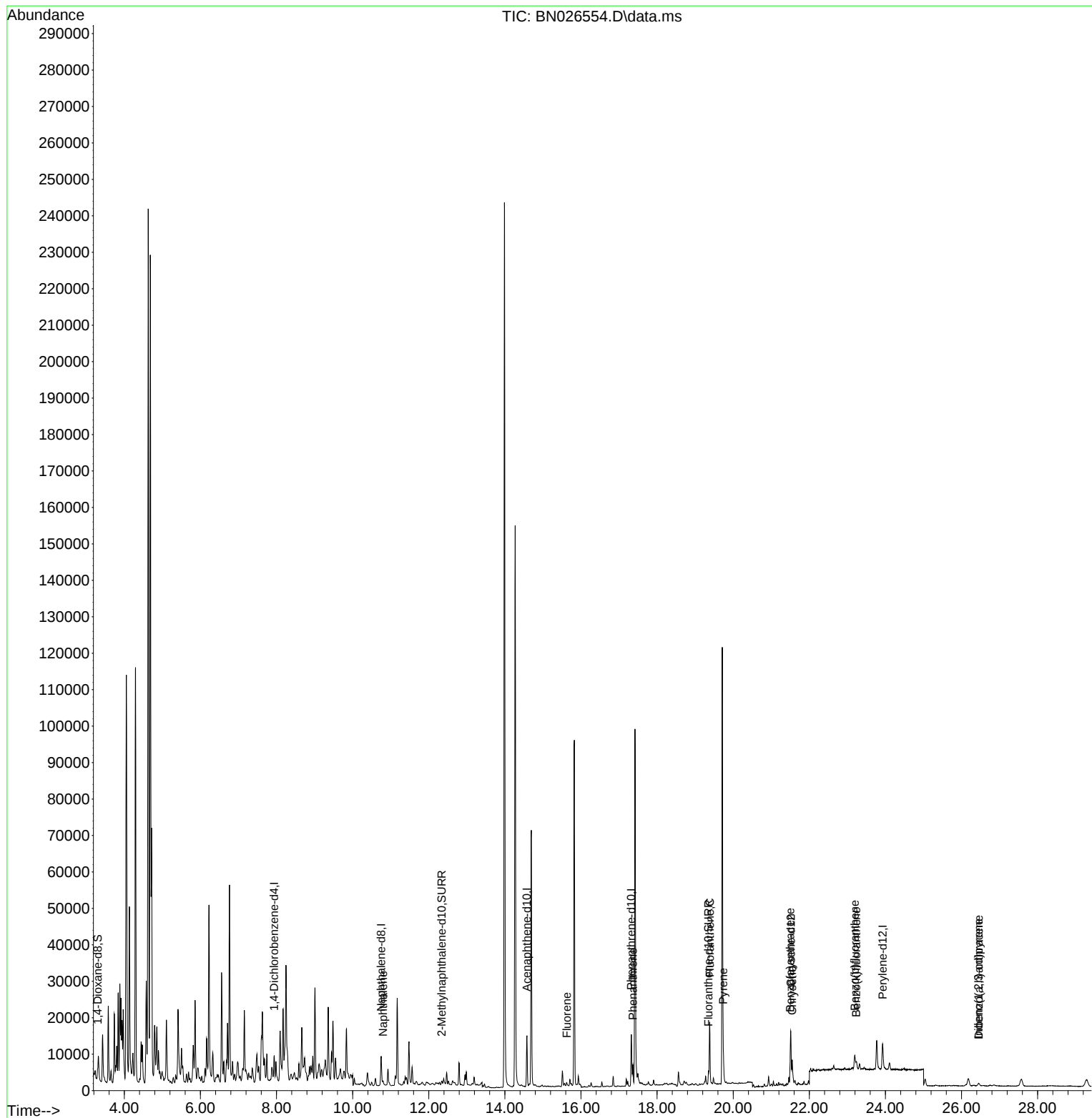
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071723\  
Data File : BN026554.D  
Acq On : 18 Jul 2023 01:49  
Operator : MA/JU  
Sample : 03458-13  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

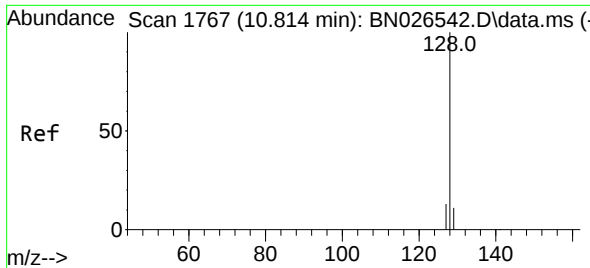
Instrument :  
BNA\_N  
ClientSampleId :  
A46M6

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Supervised By :mohammad ahmed 07/19/2023

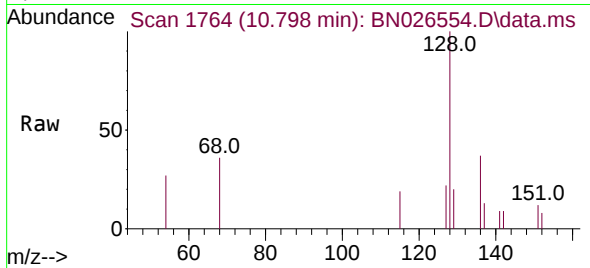
Quant Time: Jul 18 04:24:07 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 17 17:14:21 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.047 ng/ul  
RT: 10.798 min Scan# 1764  
Delta R.T. 0.000 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49

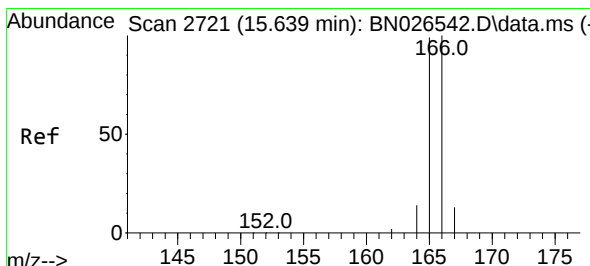
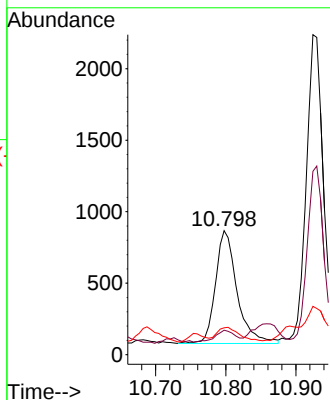
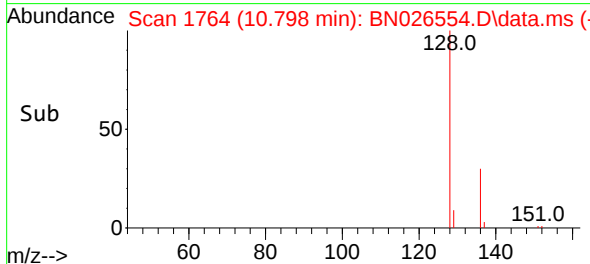
Instrument :  
BNA\_N  
ClientSampleId :  
A46M6



Tgt Ion:128 Resp: 1670  
Ion Ratio Lower Upper  
128 100  
129 19.7 10.2 15.2  
127 21.7 11.4 17.0

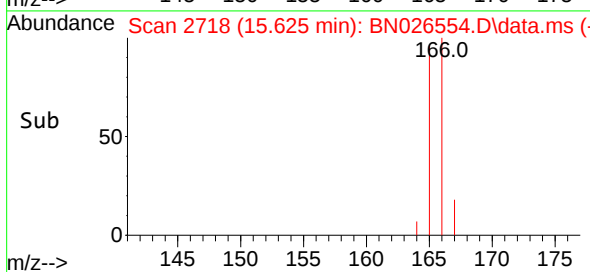
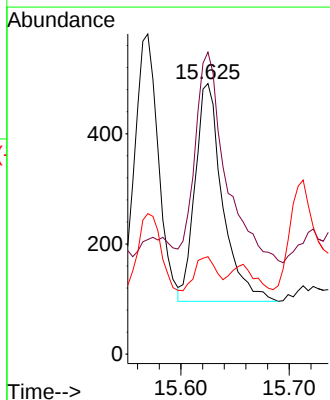
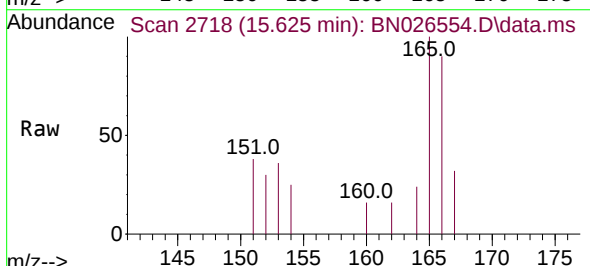
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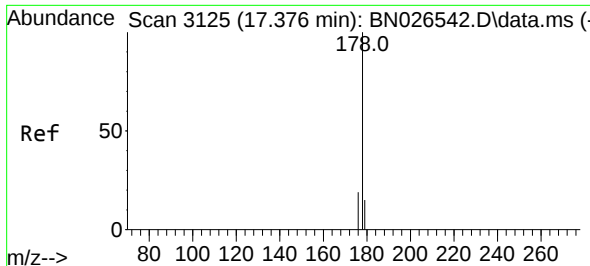
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#12  
Fluorene  
Concen: 0.021 ng/ul  
RT: 15.625 min Scan# 2718  
Delta R.T. -0.005 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49

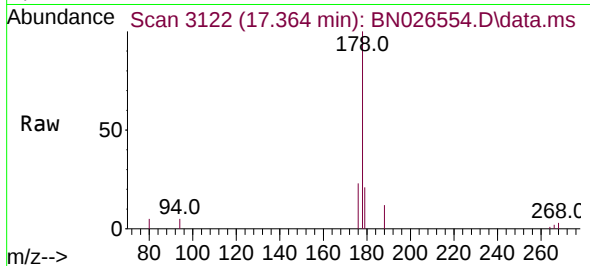
Tgt Ion:166 Resp: 695  
Ion Ratio Lower Upper  
166 100  
165 111.6 80.6 120.8  
167 36.0 12.0 18.0





#15  
Phenanthrene  
Concen: 0.100 ng/ul  
RT: 17.364 min Scan# 3125  
Delta R.T. -0.008 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49

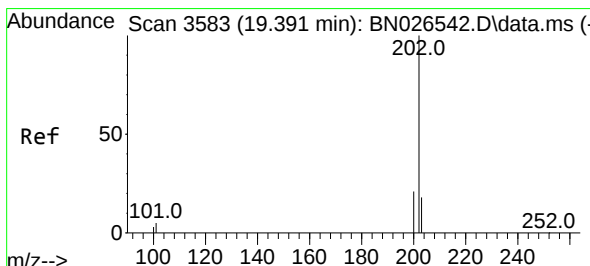
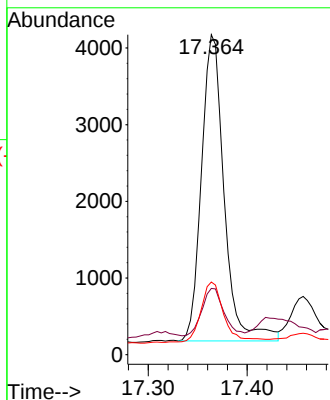
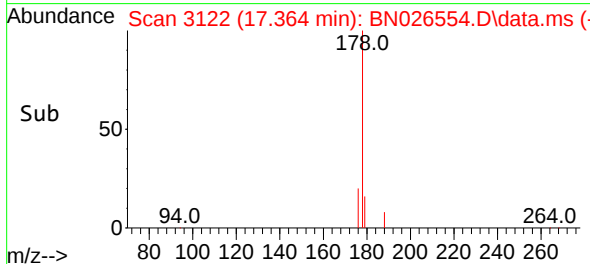
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:178 Resp: 6360  
Ion Ratio Lower Upper  
178 100  
179 20.7 13.7 20.5  
176 22.7 16.5 24.7

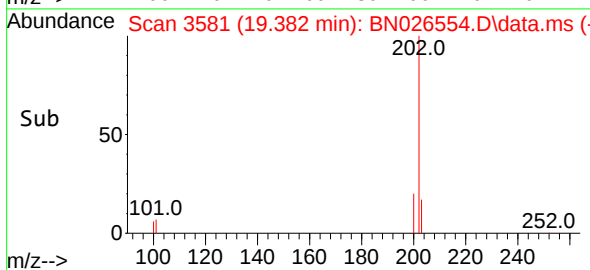
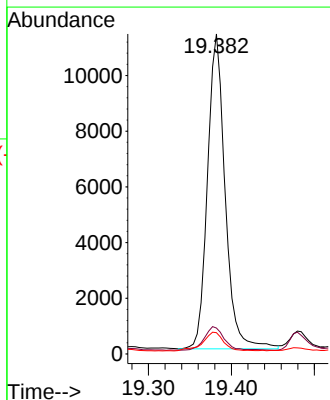
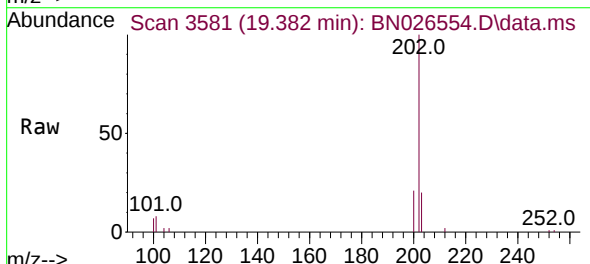
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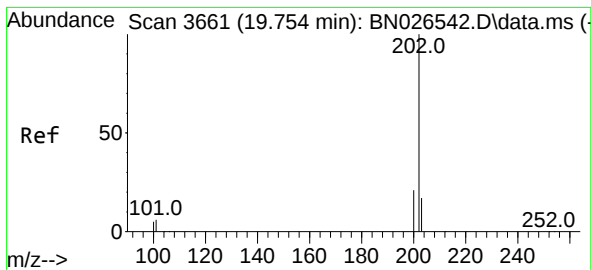
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023



#19  
Fluoranthene  
Concen: 0.270 ng/ul  
RT: 19.382 min Scan# 3581  
Delta R.T. -0.005 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49

Tgt Ion:202 Resp: 16737  
Ion Ratio Lower Upper  
202 100  
101 8.1 7.0 10.4  
100 6.6 6.0 9.0





#20

Pyrene

Concen: 0.091 ng/ul

RT: 19.740 min Scan# 3661

Delta R.T. -0.009 min

Lab File: BN026554.D

Acq: 18 Jul 2023 01:49

Instrument :

BNA\_N

ClientSampleId :

A46M6

Tgt Ion:202 Resp: 610

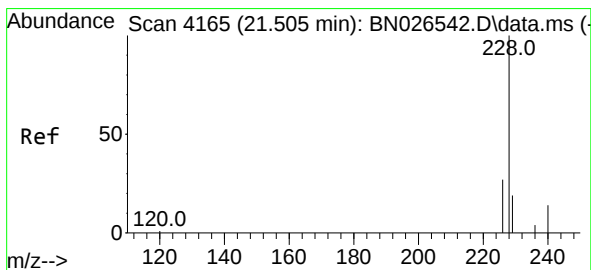
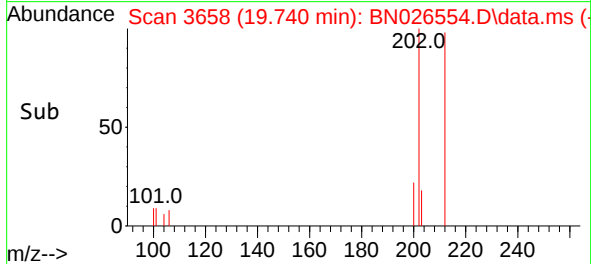
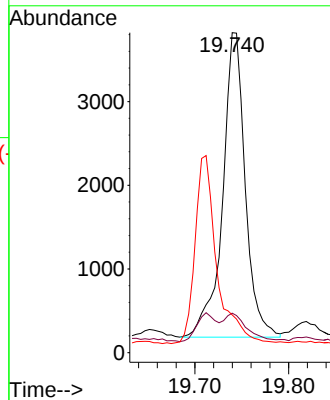
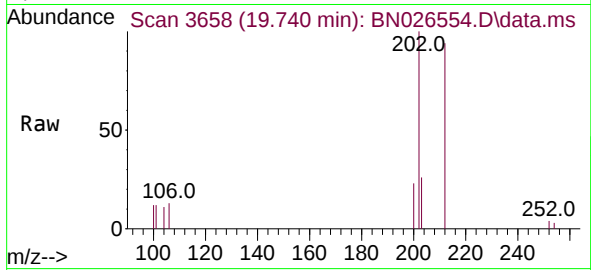
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 12.3  | 8.0   | 12.0  |
| 100 | 11.8  | 6.2   | 9.2   |

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#21

Benzo(a)anthracene

Concen: 0.142 ng/ul

RT: 21.497 min Scan# 4162

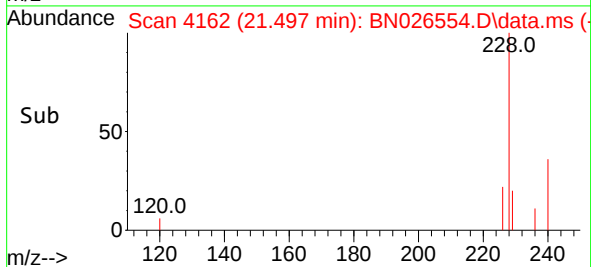
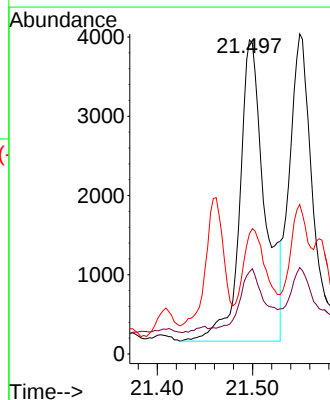
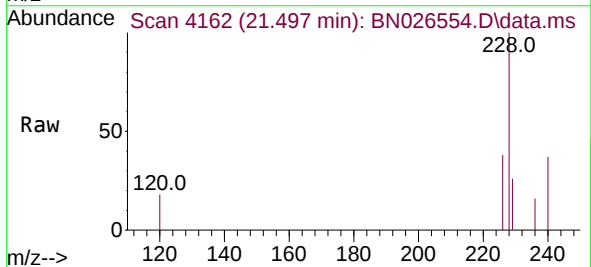
Delta R.T. -0.006 min

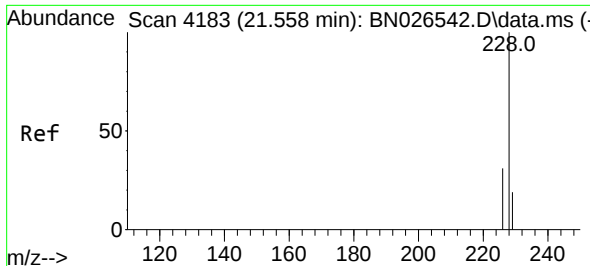
Lab File: BN026554.D

Acq: 18 Jul 2023 01:49

Tgt Ion:228 Resp: 6919

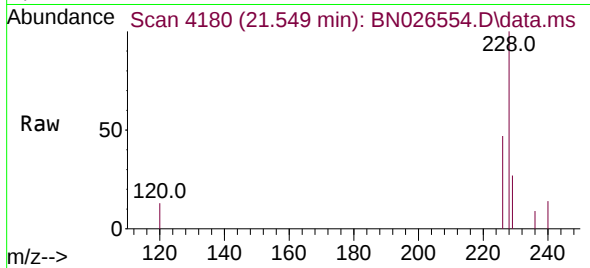
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 26.1  | 16.7  | 25.1# |
| 226 | 38.3  | 23.5  | 35.3# |





#22  
Chrysene  
Concen: 0.103 ng/ul  
RT: 21.549 min Scan# 4180  
Delta R.T. -0.009 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49

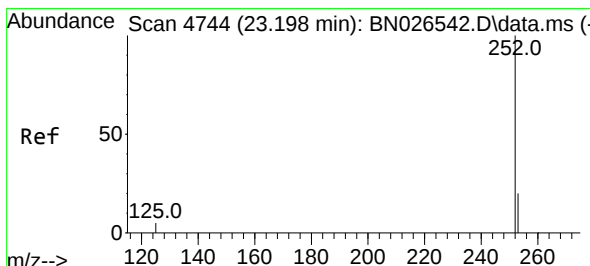
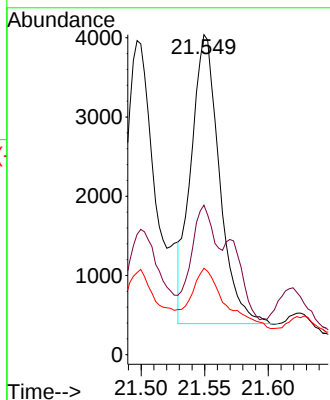
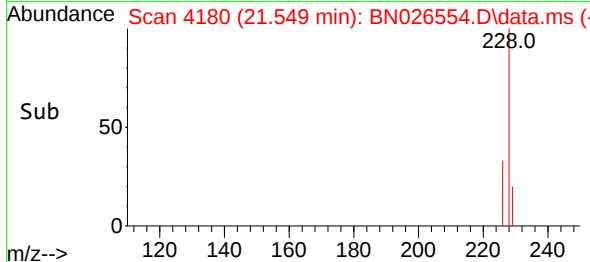
Instrument :  
BNA\_N  
ClientSampleId :  
A46M6



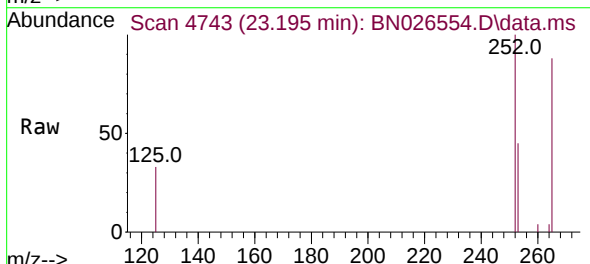
Tgt Ion:228 Resp: 5689  
Ion Ratio Lower Upper  
228 100  
226 46.7 25.2 37.8  
229 27.0 16.4 24.6

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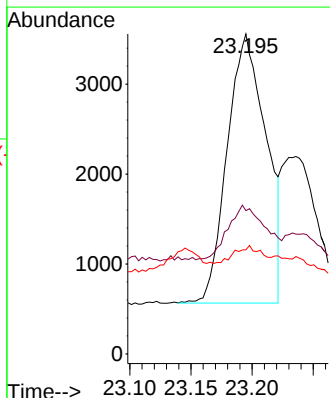
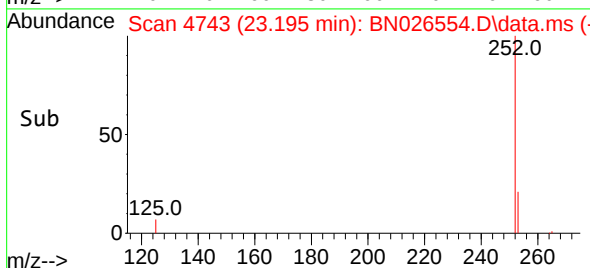
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023

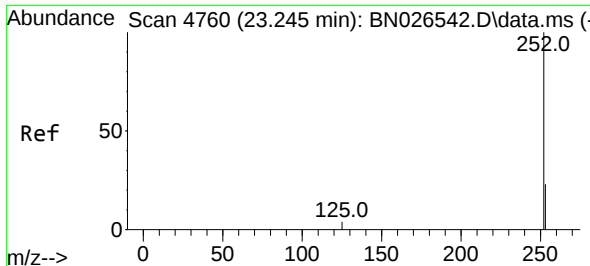


#24  
Benzo(b)fluoranthene  
Concen: 0.157 ng/ul m  
RT: 23.195 min Scan# 4743  
Delta R.T. 0.000 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49



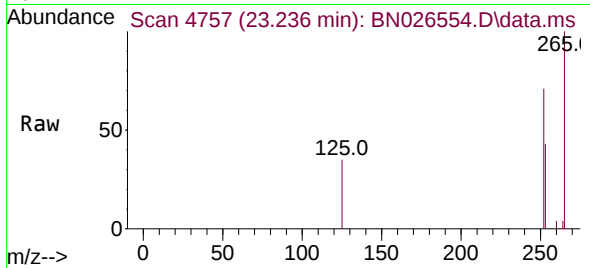
Tgt Ion:252 Resp: 6599  
Ion Ratio Lower Upper  
252 100  
253 44.8 0.0 68.6  
125 32.5 0.0 34.0





#25  
Benzo(k)fluoranthene  
Concen: 0.071 ng/ul m  
RT: 23.236 min Scan# 4757  
Delta R.T. -0.009 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49

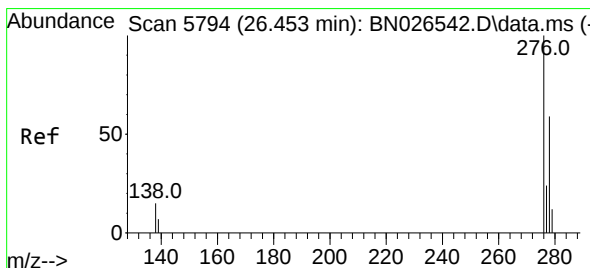
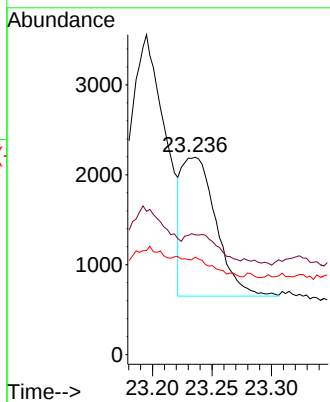
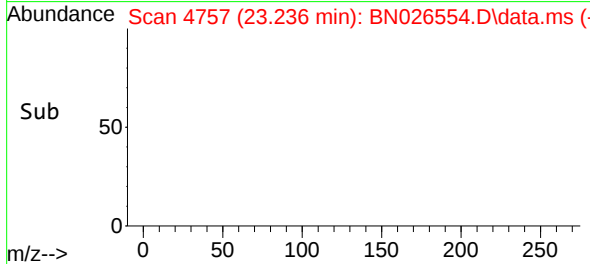
Instrument :  
BNA\_N  
ClientSampleId :  
A46M6



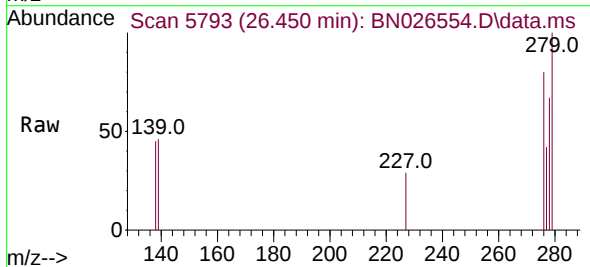
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Ion Ratio Lower Upper  
252 100  
253 60.7 27.2 40.8  
125 49.4 13.4 20.2

Manual Integrations  
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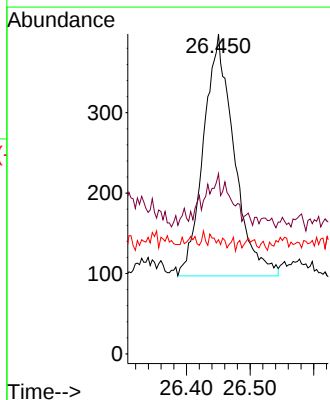
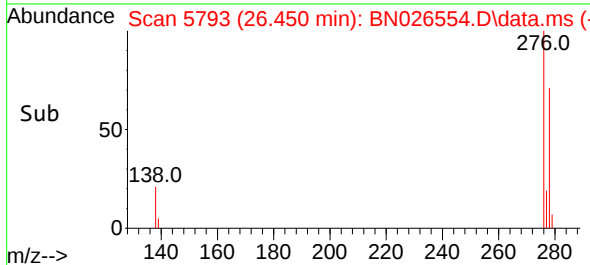
Reviewed By :Yogesh Patel 07/19/2023  
Supervised By :mohammad ahmed 07/19/2023

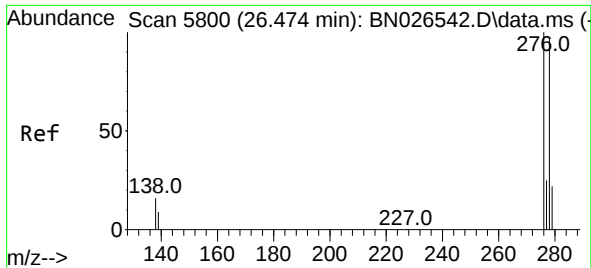


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.020 ng/ul  
RT: 26.450 min Scan# 5793  
Delta R.T. -0.003 min  
Lab File: BN026554.D  
Acq: 18 Jul 2023 01:49



Tgt Ion:276 Resp: 1005  
Ion Ratio Lower Upper  
276 100  
138 10.5 22.2 33.4#  
227 0.0 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.025 ng/ul

RT: 26.457 min Scan# 51

Delta R.T. -0.010 min

Lab File: BN026554.D

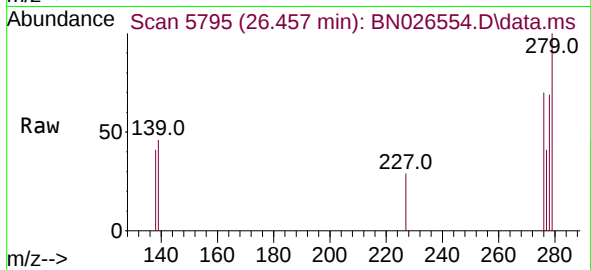
Acq: 18 Jul 2023 01:49

Instrument :

BNA\_N

ClientSampleId :

A46M6



Tgt Ion:278 Resp: 94

Ion Ratio Lower Upper

278 100

139 67.4 18.9 28.3

279 145.3 31.3 46.9

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Supervised By :mohammad ahmed 07/19/2023

