

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092623\  
 Data File : BN027888.D  
 Acq On : 27 Sep 2023 07:44  
 Operator : MA/JU  
 Sample : 04472-13  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EZYW9

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/27/2023  
 Supervised By :mohammad ahmed 09/28/2023

Quant Time: Sep 27 08:14:12 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   | 7.962  | 152  | 5720     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.779 | 136  | 21678    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.601 | 164  | 14443    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.354 | 188  | 33562    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.539 | 240  | 32398    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.012 | 264  | 38661    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.330  | 96   | 14095    | 1.956 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.363 | 152  | 4320     | 0.132 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.390 | 212  | 12204    | 0.123 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.828 | 128  | 1672     | 0.027 | ng/ul# | 83       |
| 7) 2-Methylnaphthalene      | 12.434 | 142  | 1219     | 0.031 | ng/ul  | 95       |
| 15) Phenanthrene            | 17.396 | 178  | 6286     | 0.060 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.422 | 202  | 8128     | 0.062 | ng/ul# | 87       |
| 20) Pyrene                  | 19.780 | 202  | 7723m    | 0.057 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.522 | 228  | 5371     | 0.043 | ng/ul# | 86       |
| 22) Chrysene                | 21.574 | 228  | 10665    | 0.082 | ng/ul# | 91       |
| 24) Benzo(b)fluoranthene    | 23.243 | 252  | 17768m   | 0.103 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.290 | 252  | 5434m    | 0.033 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.898 | 252  | 8980     | 0.065 | ng/ul# | 54       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.599 | 276  | 9889     | 0.056 | ng/ul# | 90       |
| 29) Benzo(g,h,i)perylene    | 27.414 | 276  | 11955    | 0.079 | ng/ul  | 91       |
| -----                       |        |      |          |       |        |          |

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

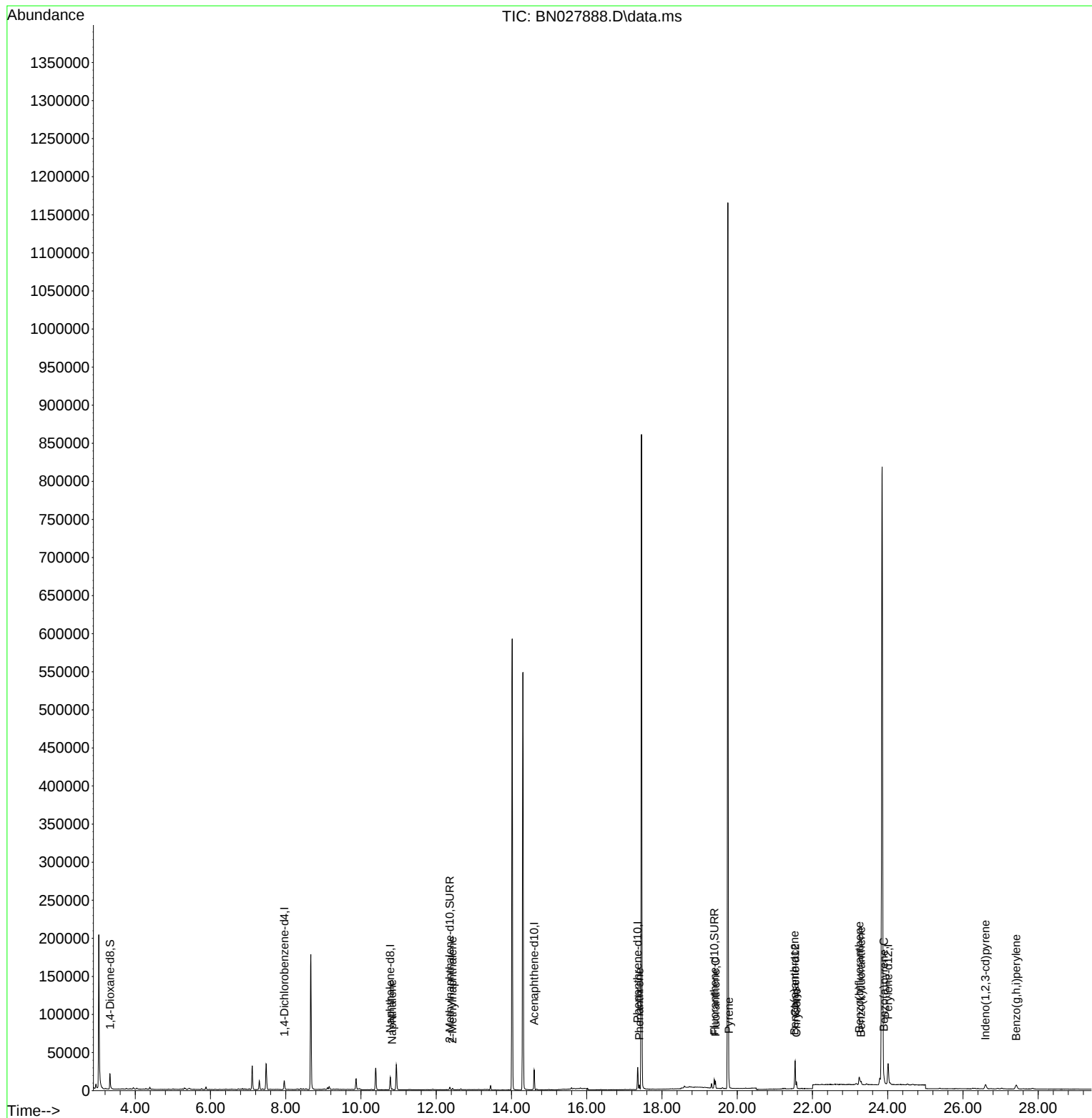
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092623\  
Data File : BN027888.D  
Acq On : 27 Sep 2023 07:44  
Operator : MA/JU  
Sample : 04472-13  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

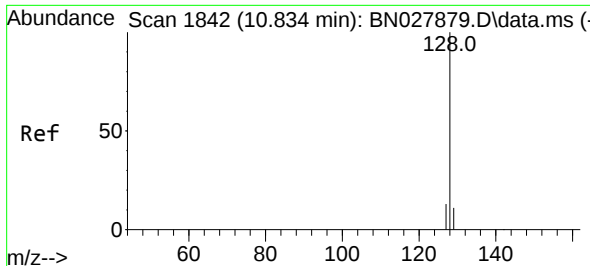
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023

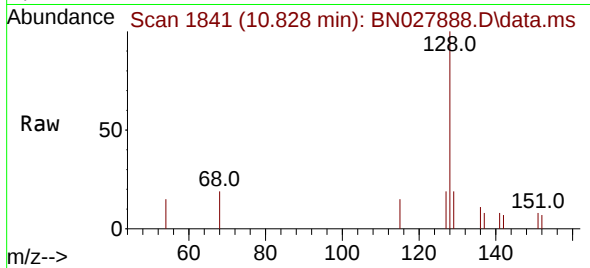
Quant Time: Sep 27 08:14:12 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN091523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 27 03:52:19 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.027 ng/ul  
RT: 10.828 min Scan# 1842  
Delta R.T. -0.005 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

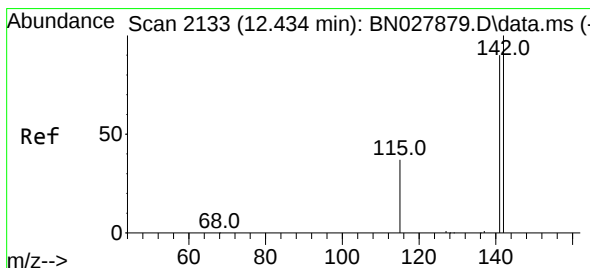
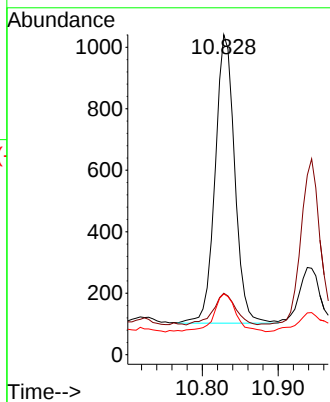
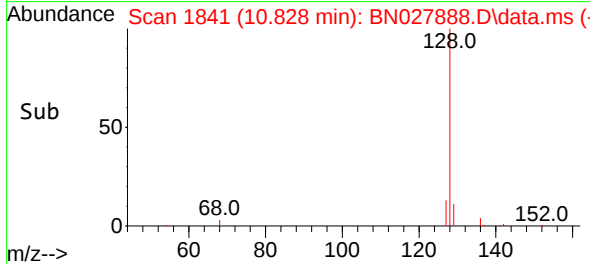
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9



Tgt Ion:128 Resp: 1672  
Ion Ratio Lower Upper  
128 100  
129 19.2 9.3 13.9  
127 19.0 10.7 16.1

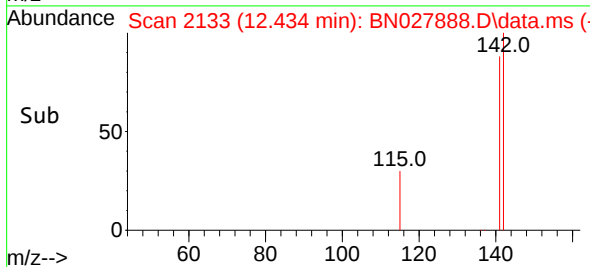
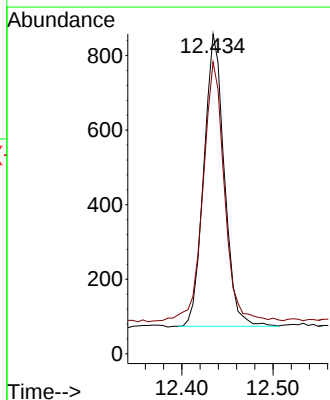
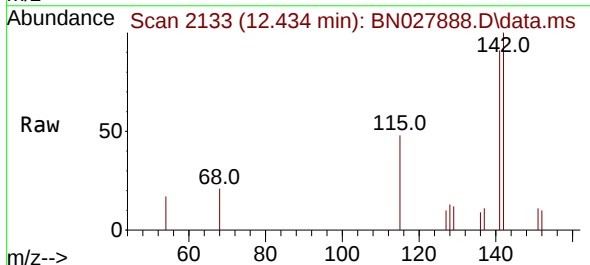
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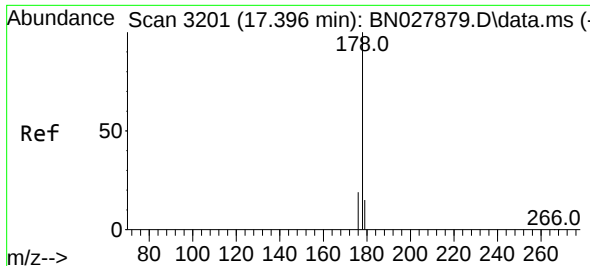
Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023



#7  
2-Methylnaphthalene  
Concen: 0.031 ng/ul  
RT: 12.434 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

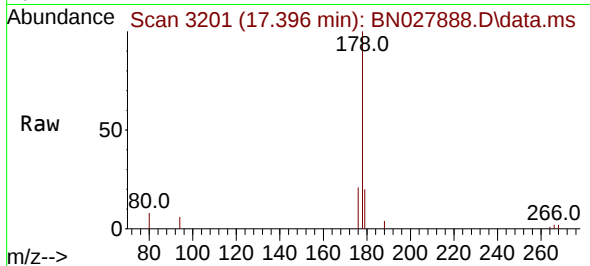
Tgt Ion:142 Resp: 1219  
Ion Ratio Lower Upper  
142 100  
141 93.8 71.1 106.7





#15  
Phenanthrene  
Concen: 0.060 ng/u1  
RT: 17.396 min Scan# 3201  
Delta R.T. 0.000 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

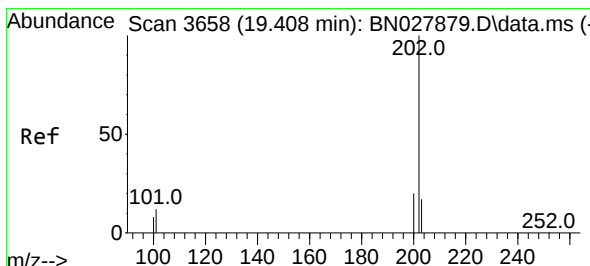
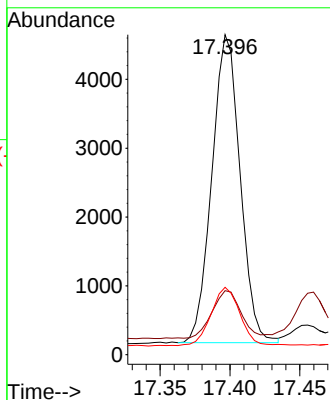
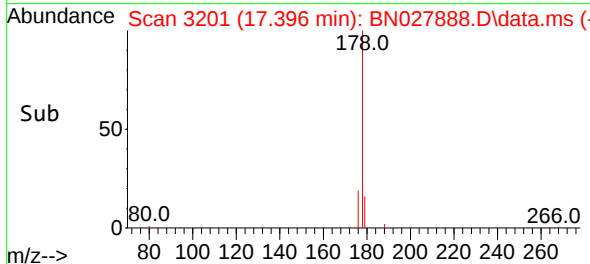
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9



Tgt Ion:178 Resp: 6280  
Ion Ratio Lower Upper  
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179 20.0 12.4 18.6  
176 21.0 16.0 24.0

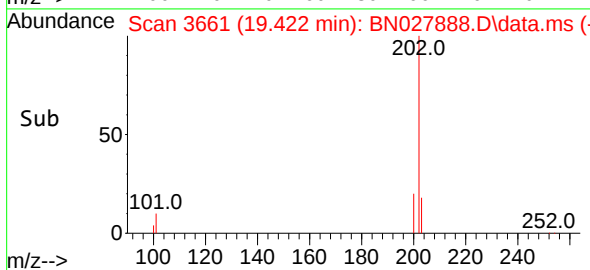
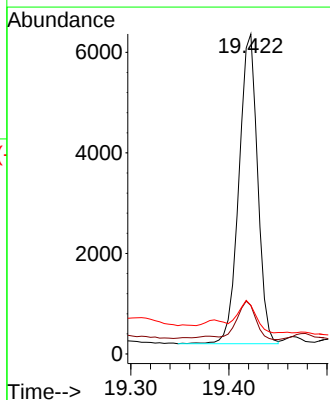
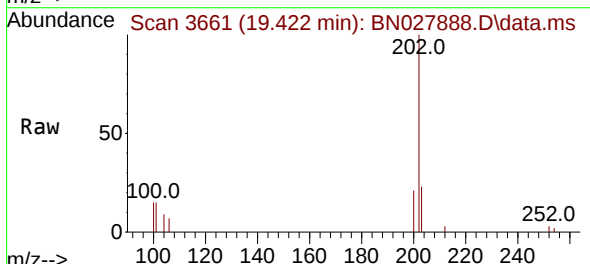
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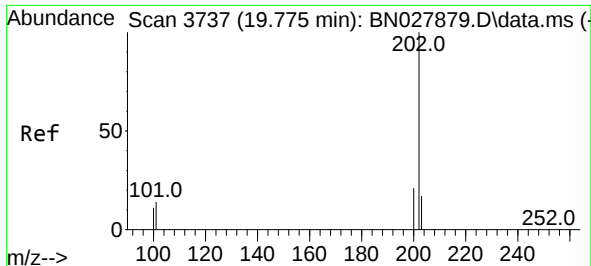
Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023



#19  
Fluoranthene  
Concen: 0.062 ng/u1  
RT: 19.422 min Scan# 3661  
Delta R.T. 0.014 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

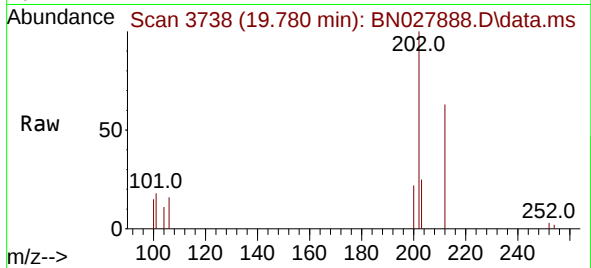
Tgt Ion:202 Resp: 8128  
Ion Ratio Lower Upper  
202 100  
101 15.1 9.3 13.9#  
100 15.2 7.0 10.4#





#20  
Pyrene  
Concen: 0.057 ng/ul m  
RT: 19.780 min Scan# 3737  
Delta R.T. 0.005 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

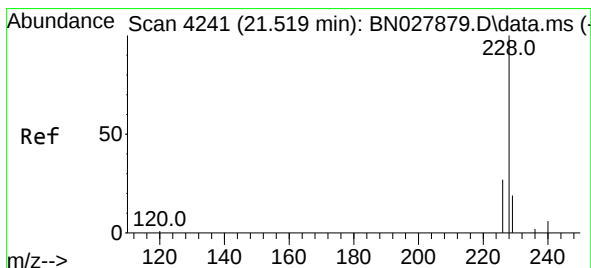
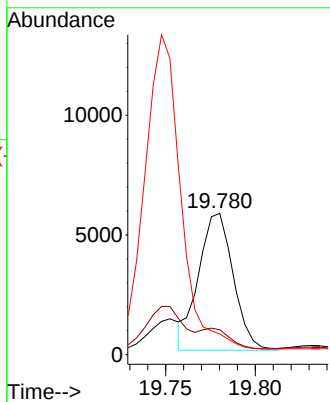
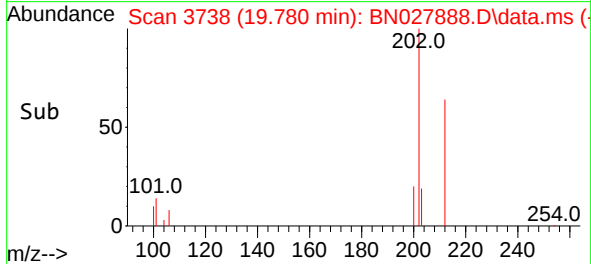
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9



Tgt Ion:202 Resp: 7720  
Ion Ratio Lower Upper  
202 100  
101 17.6 11.4 17.0  
100 14.6 9.1 13.7

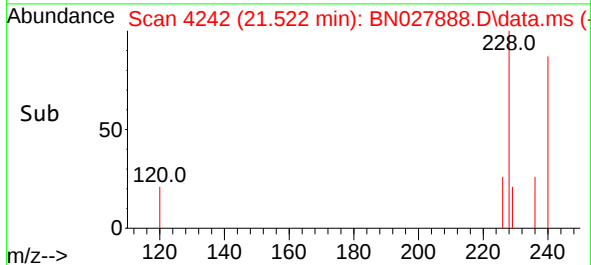
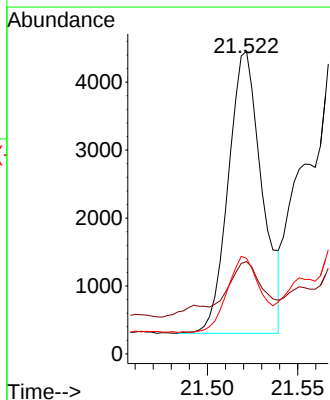
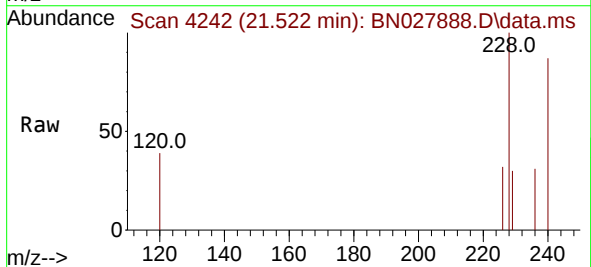
Manual Integrations  
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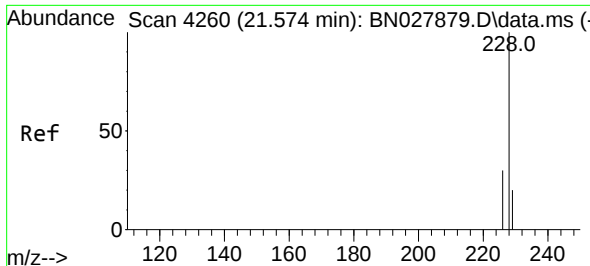
Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023



#21  
Benzo(a)anthracene  
Concen: 0.043 ng/ul  
RT: 21.522 min Scan# 4242  
Delta R.T. 0.003 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

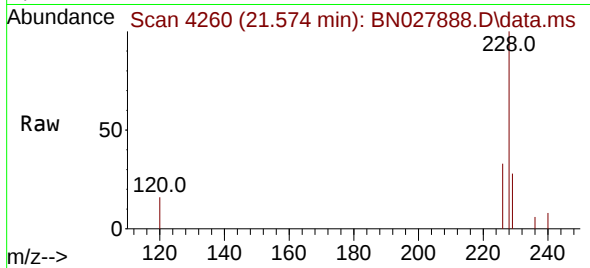
Tgt Ion:228 Resp: 5371  
Ion Ratio Lower Upper  
228 100  
229 30.5 15.8 23.8  
226 31.6 22.0 33.0





#22  
Chrysene  
Concen: 0.082 ng/ul  
RT: 21.574 min Scan# 4260  
Delta R.T. 0.000 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

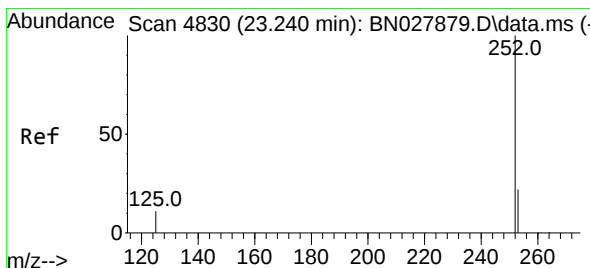
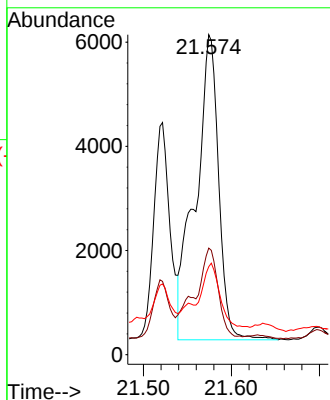
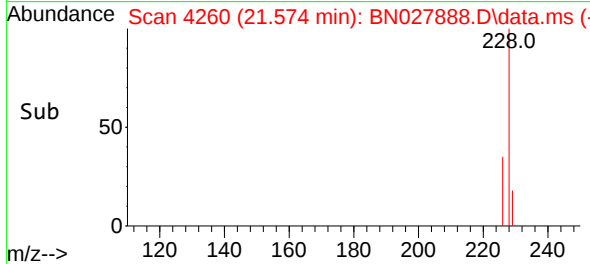
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9



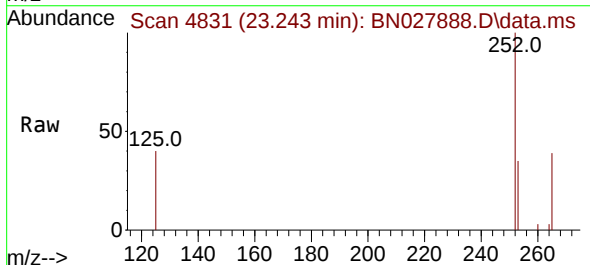
Tgt Ion:228 Resp: 10668  
Ion Ratio Lower Upper  
228 100  
226 33.3 24.5 36.7  
229 27.5 16.0 24.0

Manual Integrations  
APPROVED

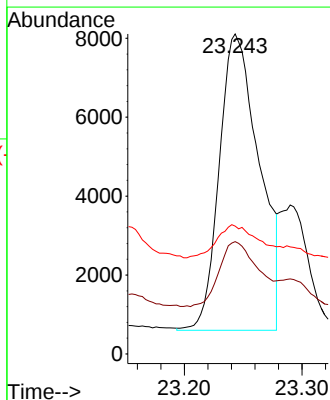
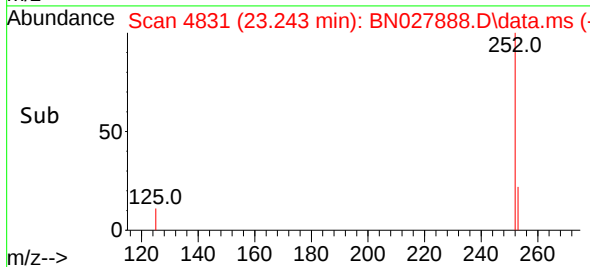
Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023

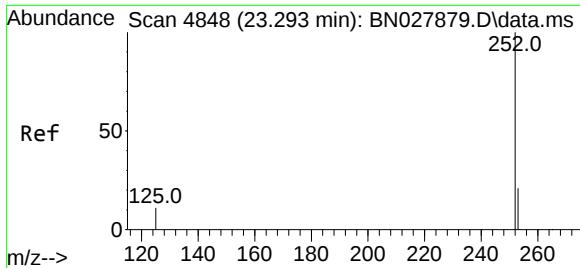


#24  
Benzo(b)fluoranthene  
Concen: 0.103 ng/ul m  
RT: 23.243 min Scan# 4831  
Delta R.T. 0.003 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44



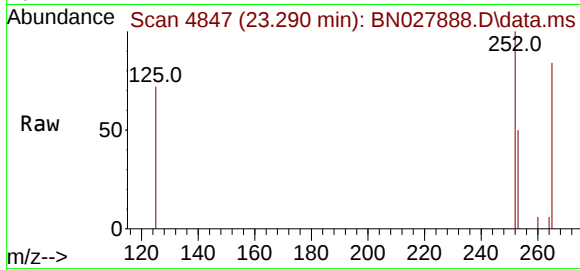
Tgt Ion:252 Resp: 17768  
Ion Ratio Lower Upper  
252 100  
253 35.1 0.0 50.2  
125 39.9 0.0 31.4





#25  
Benzo(k)fluoranthene  
Concen: 0.033 ng/ul m  
RT: 23.290 min Scan# 4848  
Delta R.T. -0.003 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

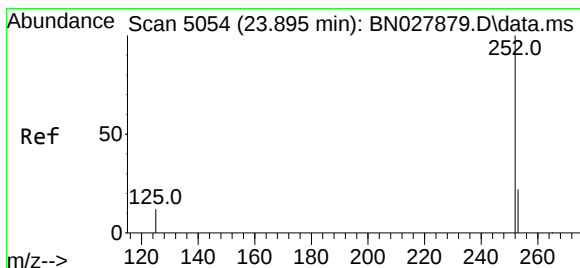
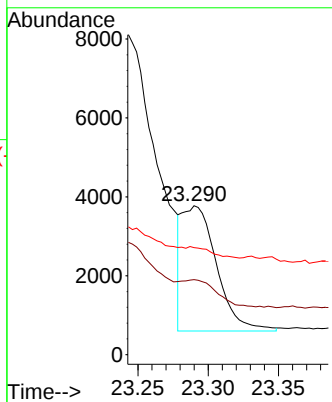
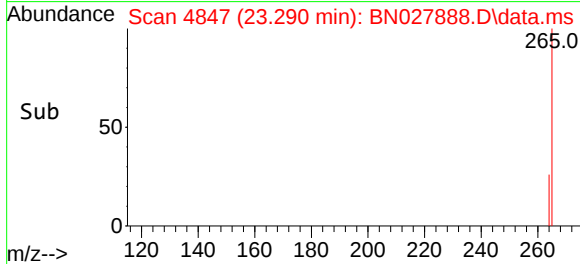
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9



Tgt Ion:252 Resp: 5434  
Ion Ratio Lower Upper  
252 100  
253 50.4 19.9 29.9#  
125 71.9 12.6 19.0#

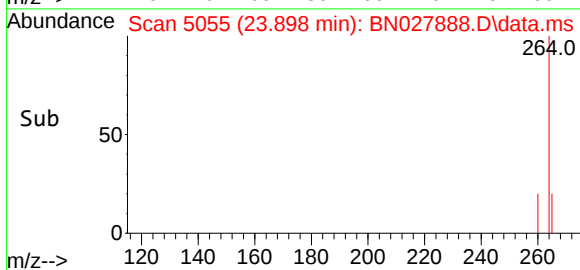
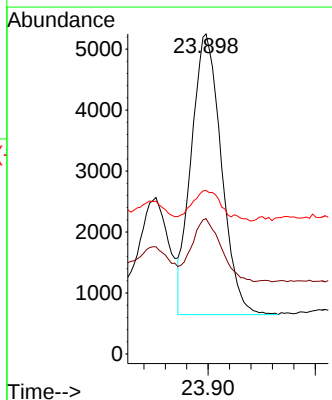
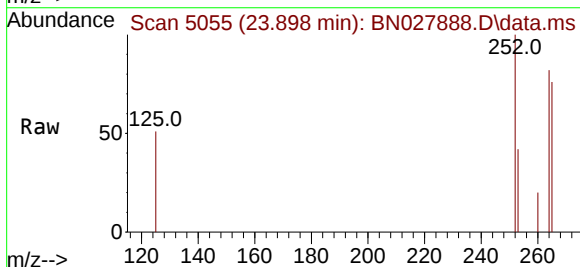
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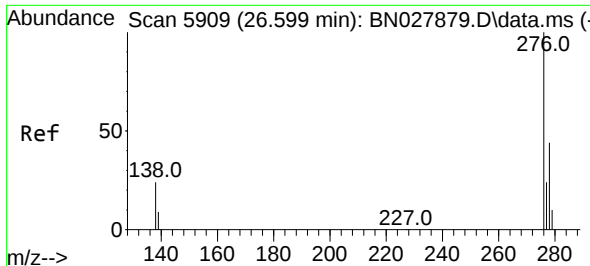
Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023



#26  
Benzo(a)pyrene  
Concen: 0.065 ng/ul  
RT: 23.898 min Scan# 5055  
Delta R.T. 0.003 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

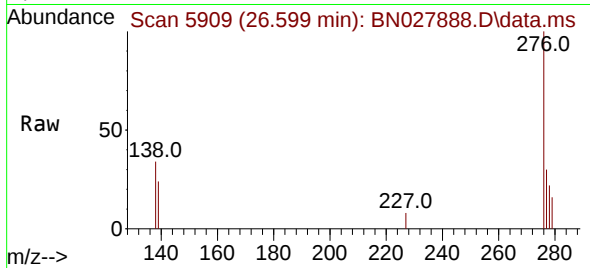
Tgt Ion:252 Resp: 8980  
Ion Ratio Lower Upper  
252 100  
253 42.3 21.9 32.9#  
125 51.1 15.5 23.3#





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.056 ng/ul  
RT: 26.599 min Scan# 5909  
Delta R.T. 0.000 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44

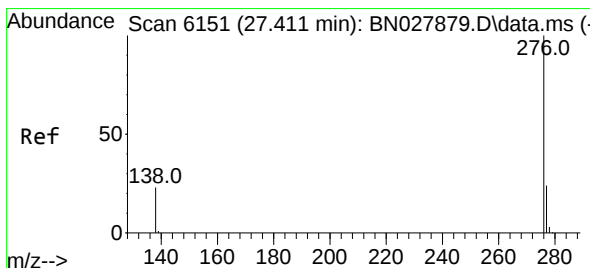
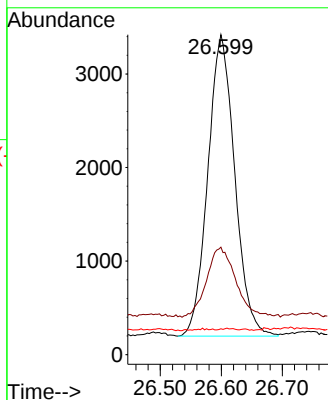
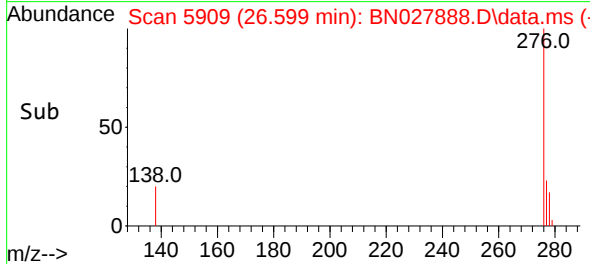
Instrument :  
BNA\_N  
ClientSampleId :  
EZYW9



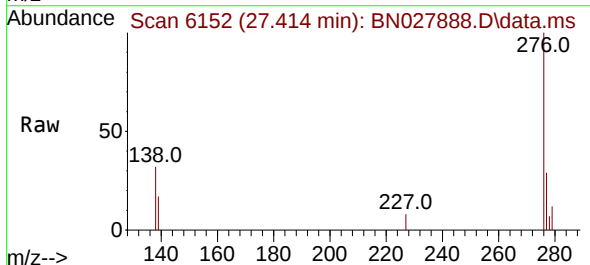
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Ion Ratio Lower Upper  
276 100  
138 25.2 24.3 36.5  
227 0.2 0.0 0.0

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/27/2023  
Supervised By :mohammad ahmed 09/28/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.079 ng/ul  
RT: 27.414 min Scan# 6152  
Delta R.T. 0.003 min  
Lab File: BN027888.D  
Acq: 27 Sep 2023 07:44



Tgt Ion:276 Resp: 11955  
Ion Ratio Lower Upper  
276 100  
138 32.0 21.7 32.5  
277 29.4 20.2 30.2

