

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026160.D  
 Acq On : 01 Jul 2023 20:17  
 Operator : MA/JU  
 Sample : 03239-11DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFY9DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

07/02/2023  
 Supervised By :Sohil  
 Jodhani

Quant Time: Jul 01 22:36:36 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 : Sat Jul 01 01:46:24 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.959  | 152  | 9384     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.769 | 136  | 29598    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.597 | 164  | 15613    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.346 | 188  | 26902    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.531 | 240  | 16180    | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.986 | 264  | 17862    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.322  | 96   | 4852     | 0.459 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.358 | 152  | 1405     | 0.031 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.372 | 212  | 1993     | 0.032 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.818 | 128  | 5787     | 0.068 | ng/ul# | 95       |
| 7) 2-Methylnaphthalene      | 12.435 | 142  | 2852     | 0.053 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.650 | 142  | 2233     | 0.040 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.320 | 152  | 10638    | 0.146 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.662 | 153  | 3310     | 0.055 | ng/ul  | 99       |
| 12) Fluorene                | 15.648 | 166  | 2987     | 0.044 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.384 | 178  | 97059    | 1.092 | ng/ul  | 99       |
| 16) Anthracene              | 17.477 | 178  | 17109    | 0.217 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.404 | 202  | 255964   | 2.962 | ng/ul  | 96       |
| 20) Pyrene                  | 19.762 | 202  | 174366   | 1.940 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.513 | 228  | 89129    | 1.335 | ng/ul  | 98       |
| 22) Chrysene                | 21.566 | 228  | 110572   | 1.592 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.232 | 252  | 177909m  | 2.334 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.276 | 252  | 56979m   | 0.744 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.872 | 252  | 66310    | 1.001 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.543 | 276  | 69118    | 0.956 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.550 | 278  | 20339    | 0.372 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.335 | 276  | 5820     | 0.090 | ng/ul# | 69       |
| -----                       |        |      |          |       |        |          |

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

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ALS Vial : 17 Sample Multiplier: 1

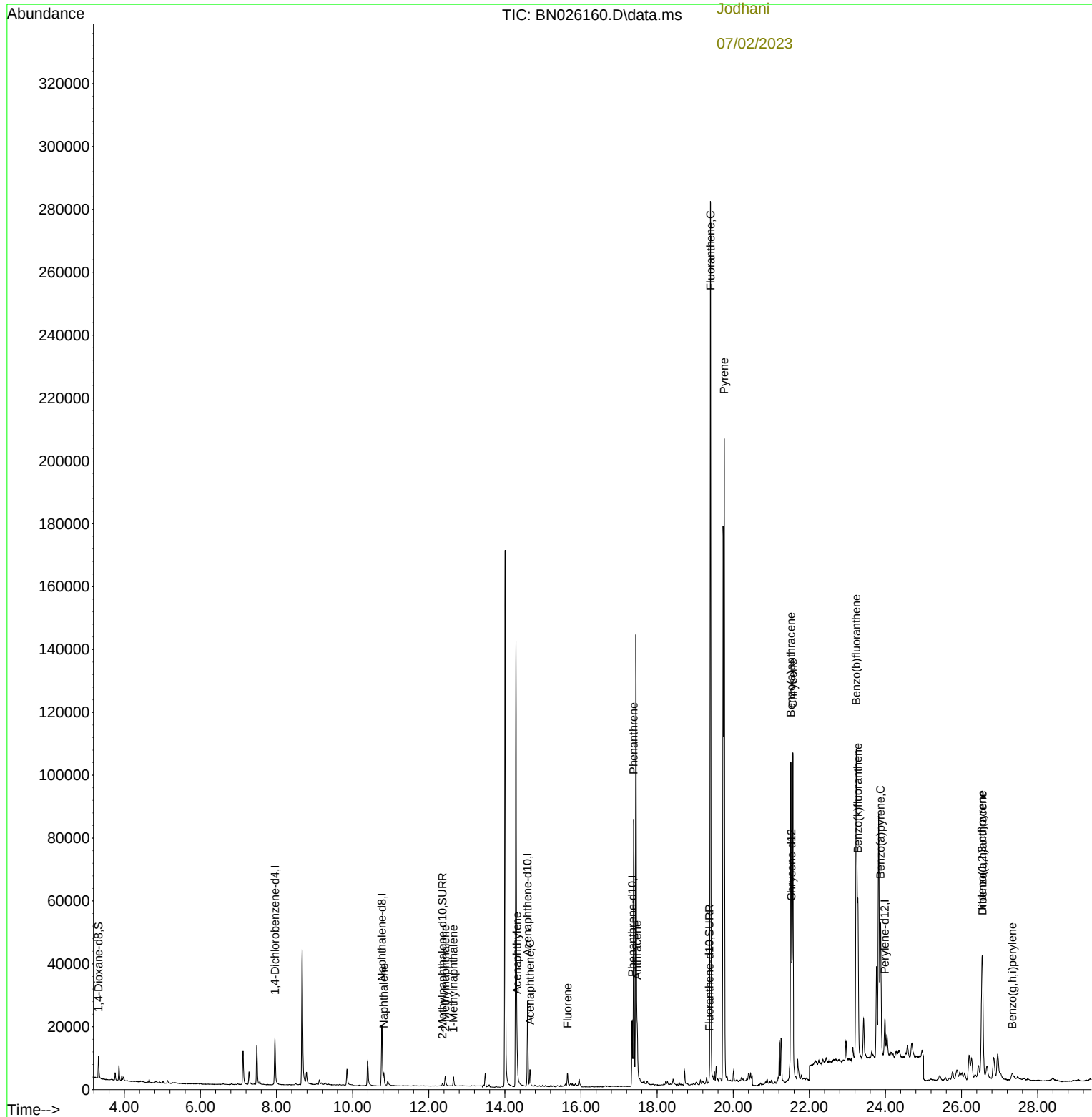
Instrument :  
BNA\_N  
ClientSampleId :  
DCFY9DL

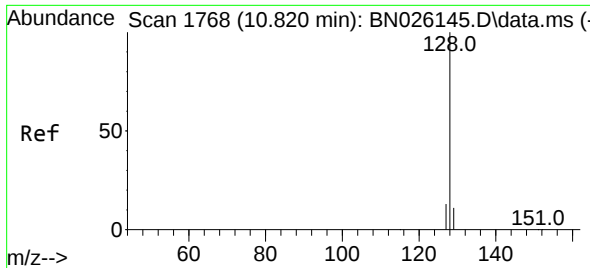
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

07/02/2023  
Supervised By :Sohil  
Jodhani

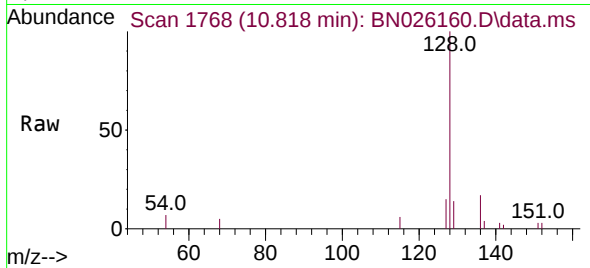
07/02/2023





#5  
Naphthalene  
Concen: 0.068 ng/ul  
RT: 10.818 min Scan# 1768  
Delta R.T. -0.007 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :  
BNA\_N  
ClientSampleId :  
DCFY9DL



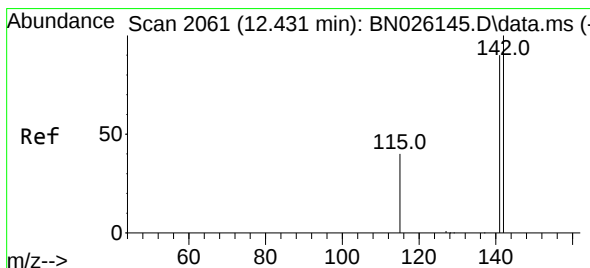
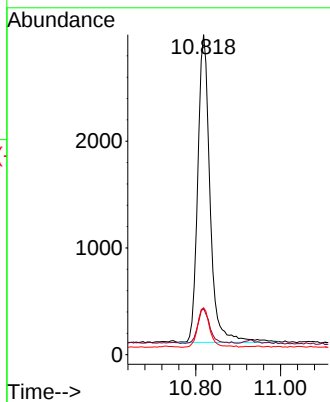
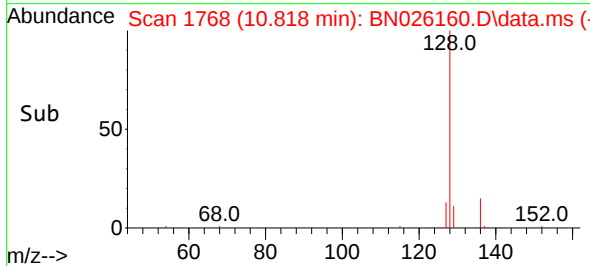
Tgt Ion:128 Resp: 578  
Ion Ratio Lower Upper  
128 100  
129 14.4 9.1 13.7  
127 14.6 10.7 16.1

Manual Integrations  
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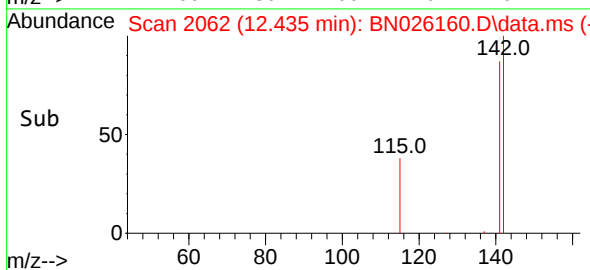
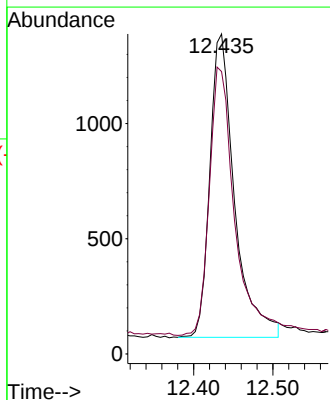
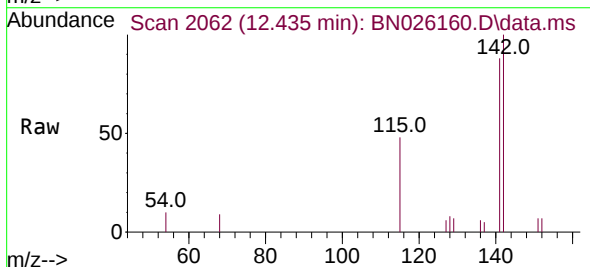
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Supervised By :Sohil  
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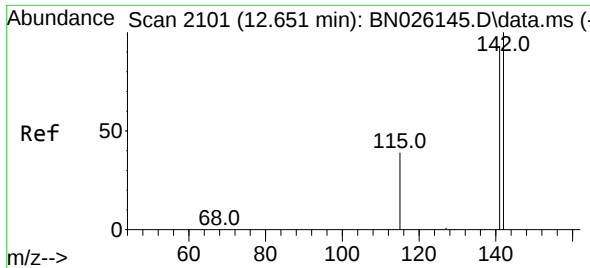
07/02/2023



#7  
2-Methylnaphthalene  
Concen: 0.053 ng/ul  
RT: 12.435 min Scan# 2062  
Delta R.T. -0.001 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

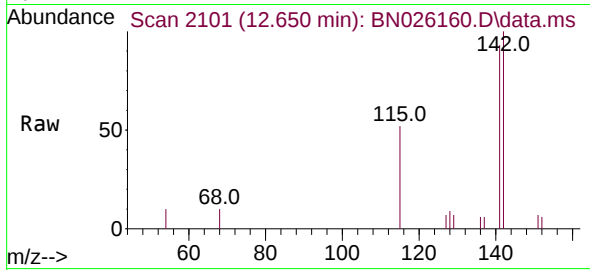
Tgt Ion:142 Resp: 2852  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.040 ng/ul  
RT: 12.650 min Scan# 2101  
Delta R.T. -0.001 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

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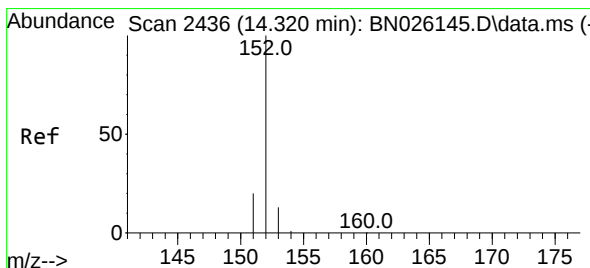
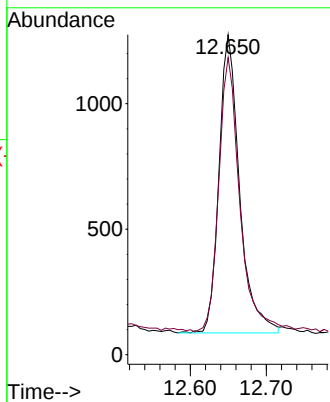
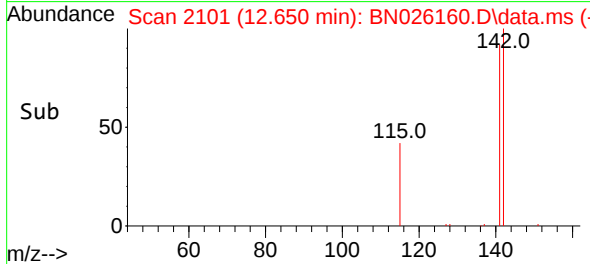
Tgt Ion:142 Resp: 223  
Ion Ratio Lower Upper  
142 100  
141 93.9 74.2 111.4

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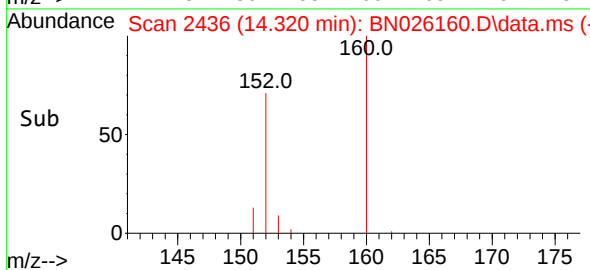
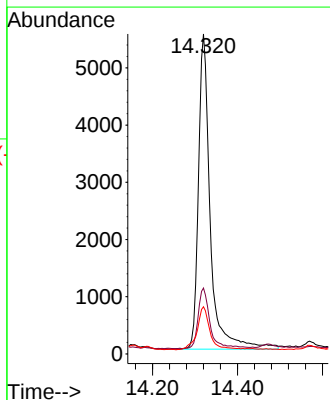
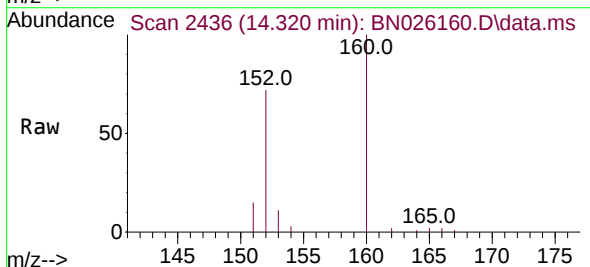
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Supervised By :Sohil  
Jodhani

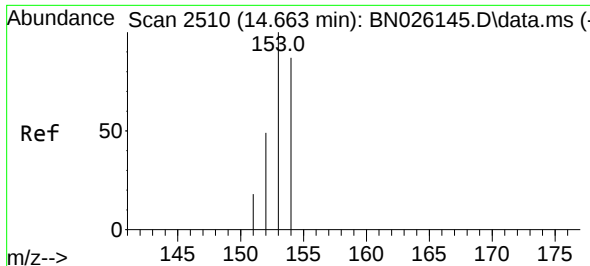
07/02/2023



#10  
Acenaphthylene  
Concen: 0.146 ng/ul  
RT: 14.320 min Scan# 2436  
Delta R.T. -0.006 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

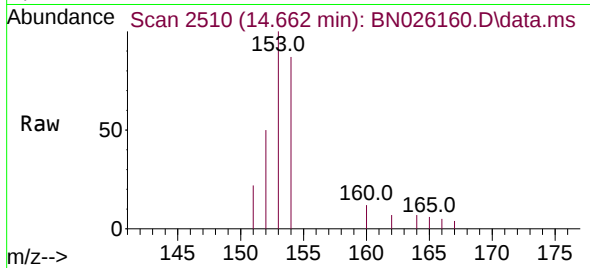
Tgt Ion:152 Resp: 10638  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.4  
153 14.8 10.9 16.3





#11  
Acenaphthene  
Concen: 0.055 ng/u1  
RT: 14.662 min Scan# 2510  
Delta R.T. -0.006 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :  
BNA\_N  
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DCFY9DL



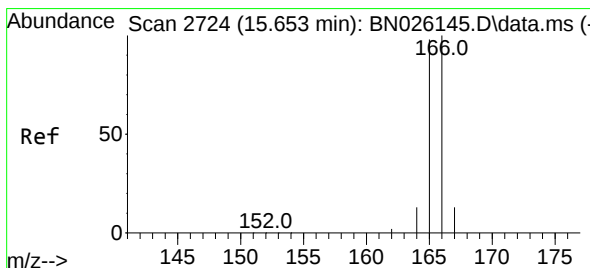
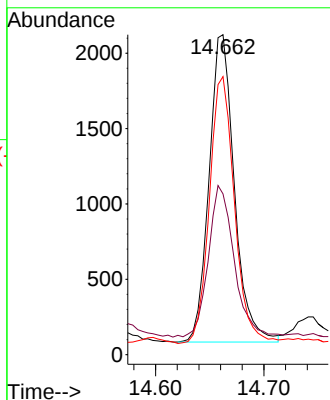
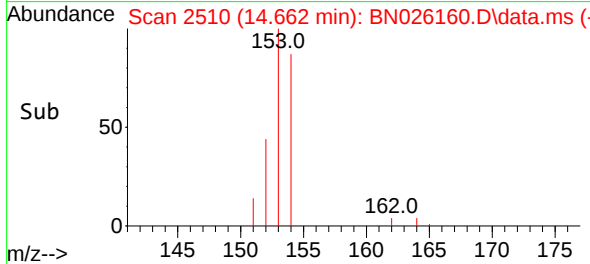
Tgt Ion:153 Resp: 3310  
Ion Ratio Lower Upper  
153 100  
152 50.3 39.4 59.0  
154 86.9 68.9 103.3

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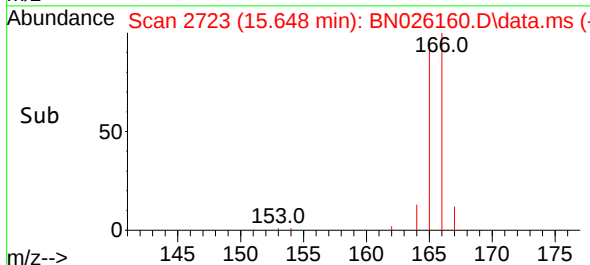
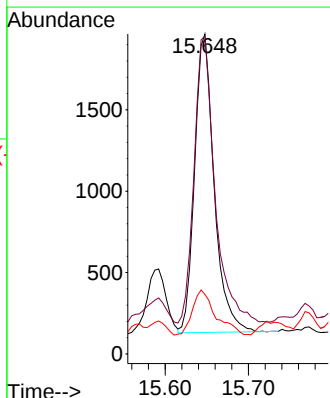
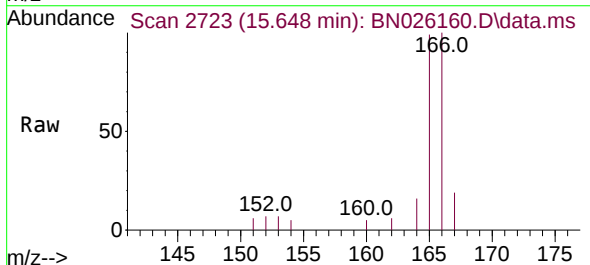
07/02/2023  
Supervised By :Sohil  
Jodhani

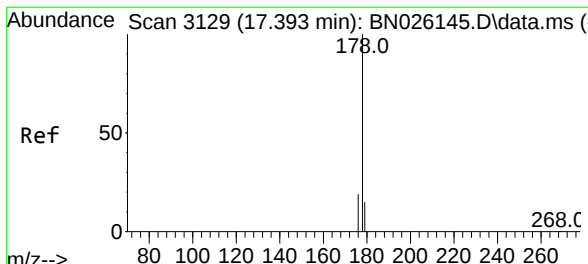
07/02/2023



#12  
Fluorene  
Concen: 0.044 ng/u1  
RT: 15.648 min Scan# 2723  
Delta R.T. -0.006 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

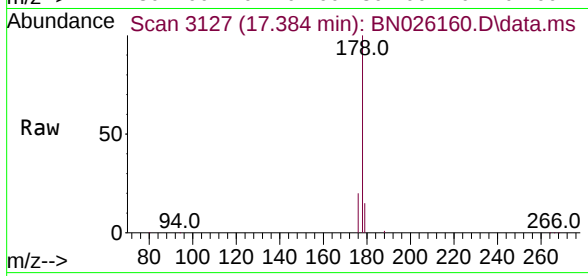
Tgt Ion:166 Resp: 2987  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.9 119.9  
167 18.6 10.8 16.2#





#15  
 Phenanthrene  
 Concen: 1.092 ng/ul  
 RT: 17.384 min Scan# 3127  
 Delta R.T. -0.010 min  
 Lab File: BN026160.D  
 Acq: 01 Jul 2023 20:17

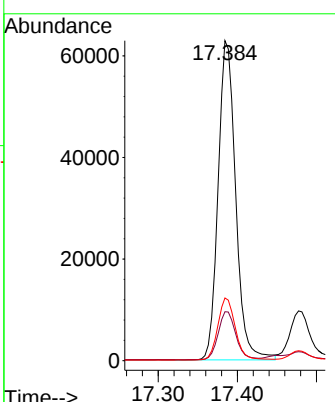
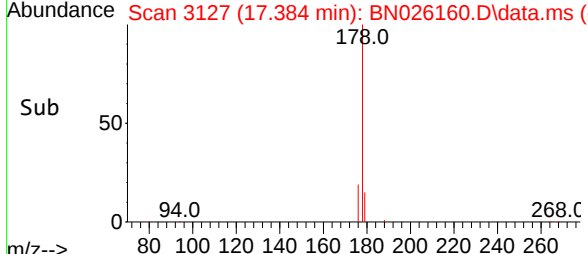
Instrument : BNA\_N  
 ClientSampleId : DCFY9DL



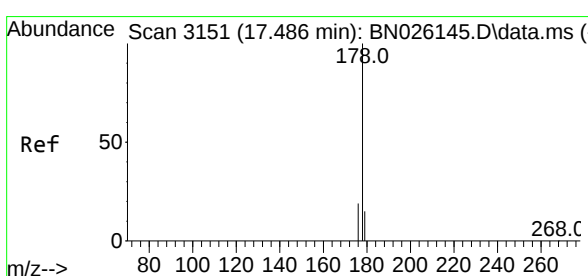
Tgt Ion:178 Resp: 97059

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.3  | 12.6  | 19.0  |
| 176 | 19.6  | 15.8  | 23.6  |

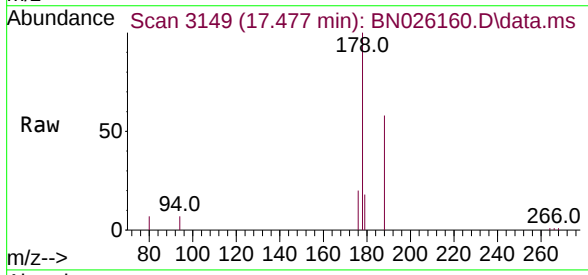
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 07/02/2023

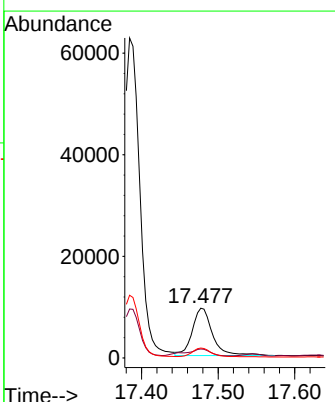
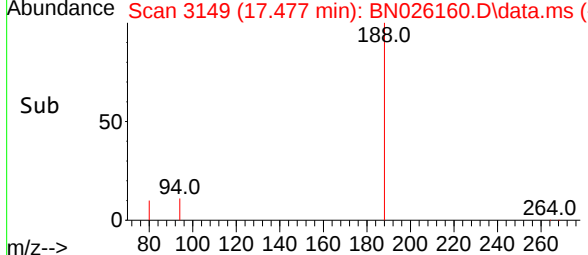


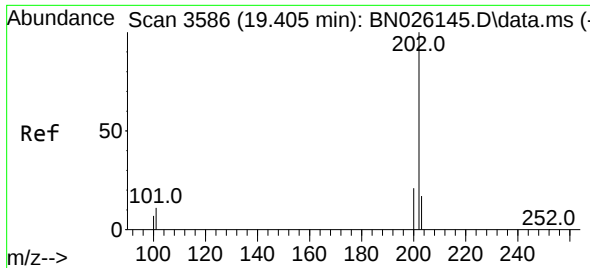
#16  
 Anthracene  
 Concen: 0.217 ng/ul  
 RT: 17.477 min Scan# 3149  
 Delta R.T. -0.010 min  
 Lab File: BN026160.D  
 Acq: 01 Jul 2023 20:17



Tgt Ion:178 Resp: 17109

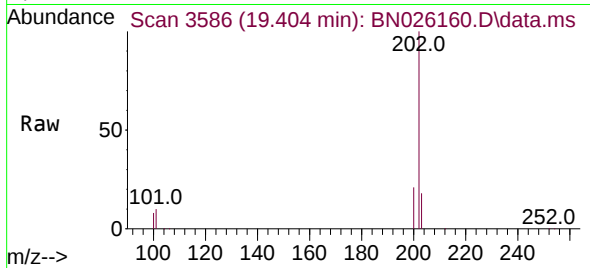
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 17.8  | 12.6  | 18.8  |
| 176 | 20.0  | 15.1  | 22.7  |





#19  
Fluoranthene  
Concen: 2.962 ng/ul  
RT: 19.404 min Scan# 3586  
Delta R.T. -0.006 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :  
BNA\_N  
ClientSampleId :  
DCFY9DL



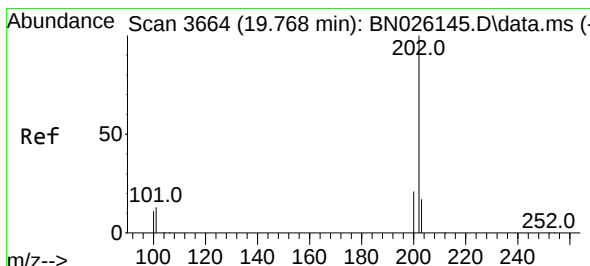
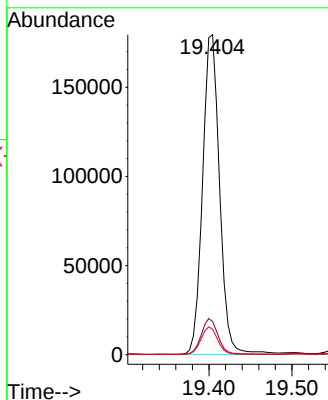
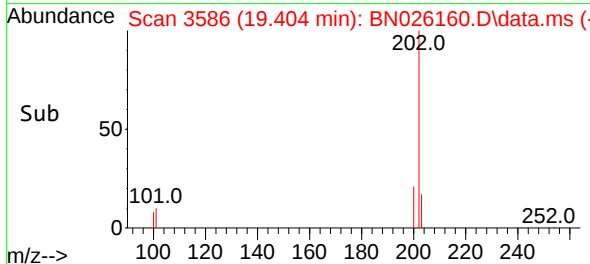
Tgt Ion:202 Resp: 255964  
Ion Ratio Lower Upper  
202 100  
101 10.4 9.5 14.3  
100 7.9 7.3 10.9

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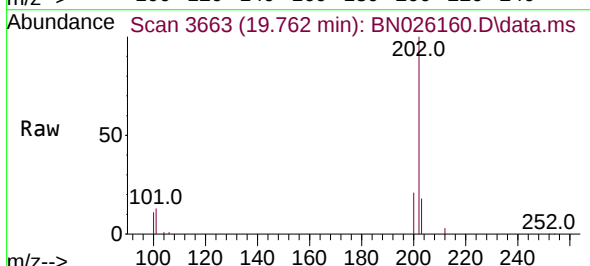
Reviewed By :Yogesh  
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Supervised By :Sohil  
Jodhani

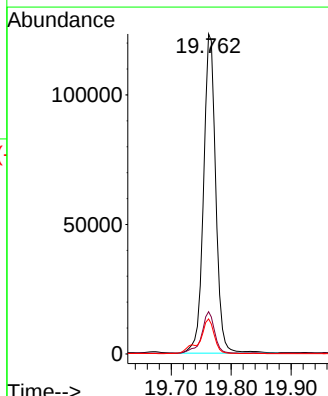
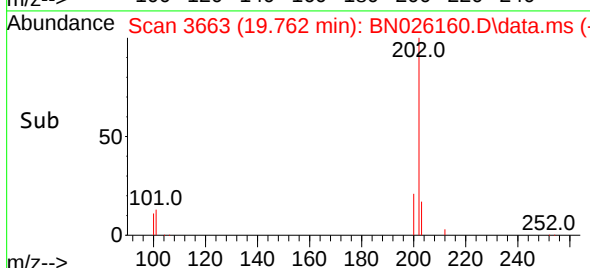
07/02/2023

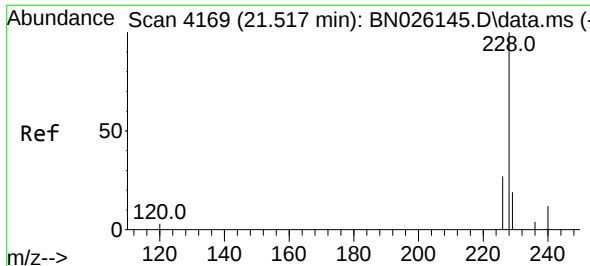


#20  
Pyrene  
Concen: 1.940 ng/ul  
RT: 19.762 min Scan# 3663  
Delta R.T. -0.011 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17



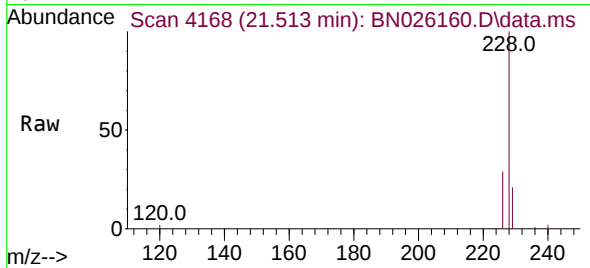
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Ion Ratio Lower Upper  
202 100  
101 13.2 11.4 17.0  
100 10.9 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 1.335 ng/u1  
RT: 21.513 min Scan# 4169  
Delta R.T. -0.013 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :  
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ClientSampleId :  
DCFY9DL



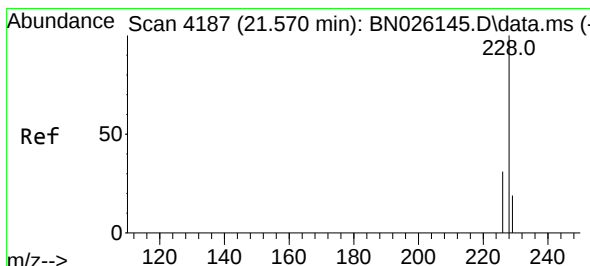
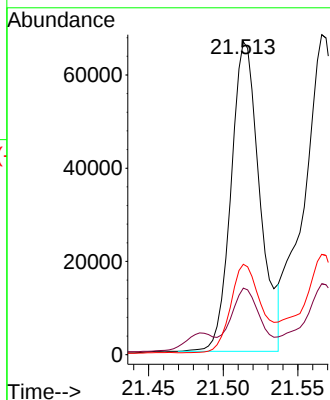
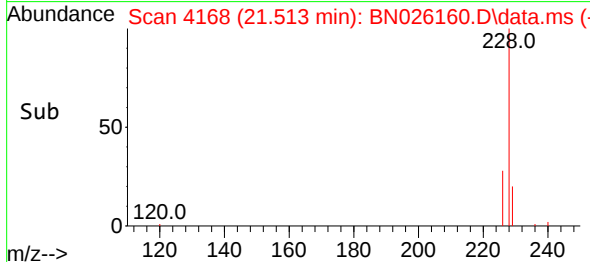
Tgt Ion:228 Resp: 89129  
Ion Ratio Lower Upper  
228 100  
229 21.3 15.8 23.6  
226 28.9 22.5 33.7

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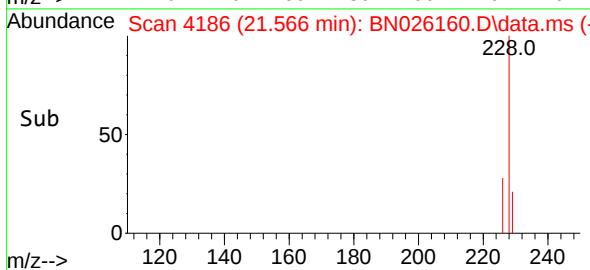
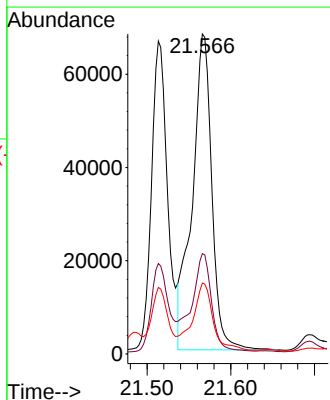
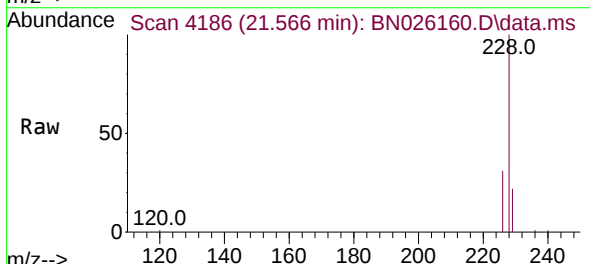
07/02/2023  
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Jodhani

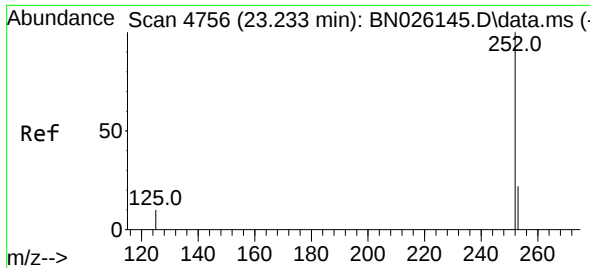
07/02/2023



#22  
Chrysene  
Concen: 1.592 ng/u1  
RT: 21.566 min Scan# 4186  
Delta R.T. -0.013 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

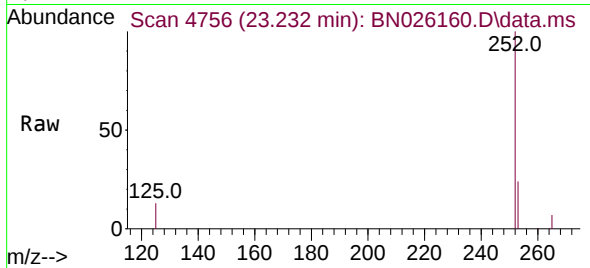
Tgt Ion:228 Resp: 110572  
Ion Ratio Lower Upper  
228 100  
226 31.3 24.8 37.2  
229 22.2 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 2.334 ng/ul m  
RT: 23.232 min Scan# 4756  
Delta R.T. -0.010 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :  
BNA\_N  
ClientSampleId :  
DCFY9DL



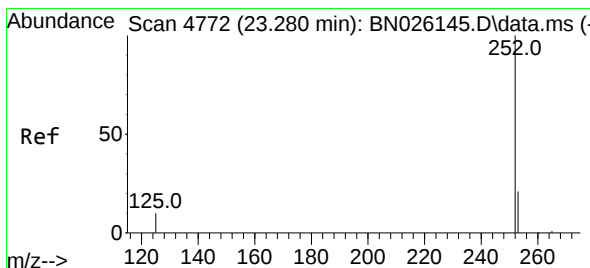
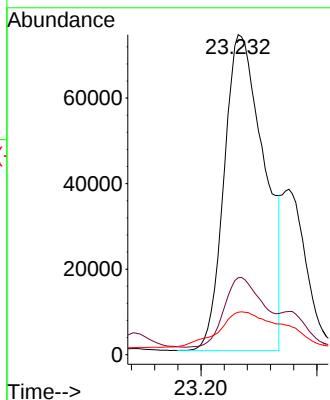
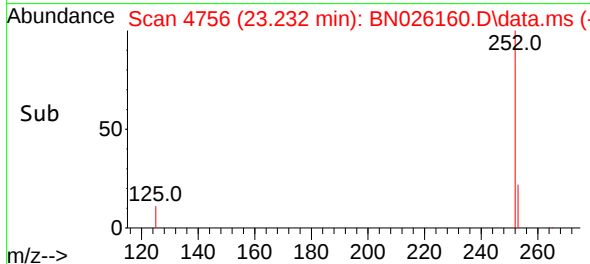
Tgt Ion:252 Resp: 177909  
Ion Ratio Lower Upper  
252 100  
253 24.1 0.0 55.6  
125 13.3 0.0 35.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

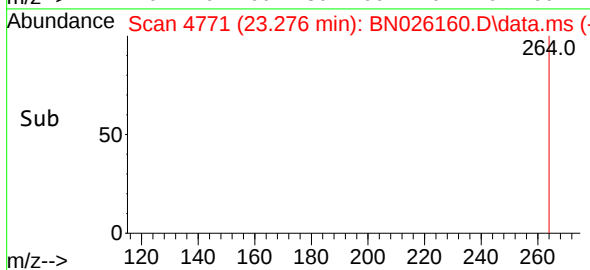
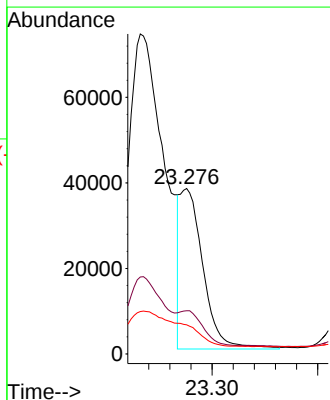
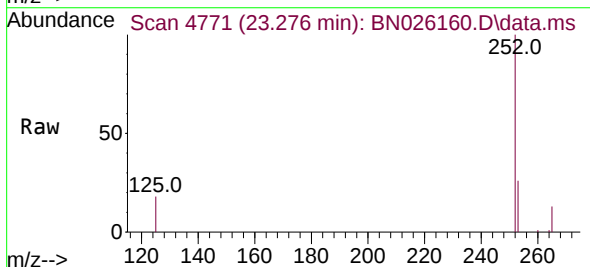
07/02/2023  
Supervised By :Sohil  
Jodhani

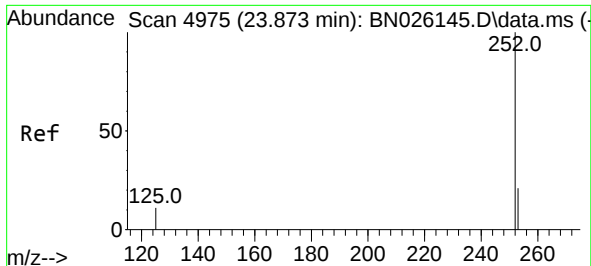
07/02/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.744 ng/ul m  
RT: 23.276 min Scan# 4771  
Delta R.T. -0.016 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

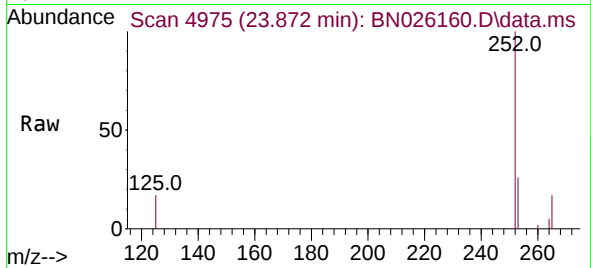
Tgt Ion:252 Resp: 56979  
Ion Ratio Lower Upper  
252 100  
253 26.1 23.2 34.8  
125 17.7 15.0 22.4





#26  
Benzo(a)pyrene  
Concen: 1.001 ng/ul  
RT: 23.872 min Scan# 4975  
Delta R.T. -0.013 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :  
BNA\_N  
ClientSampleId :  
DCFY9DL



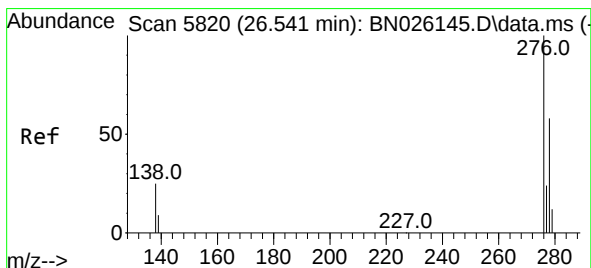
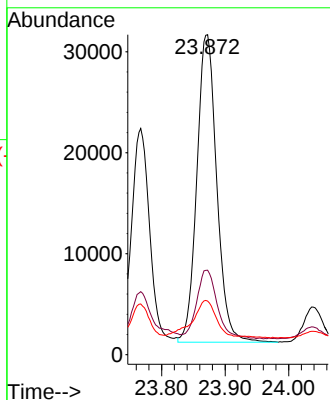
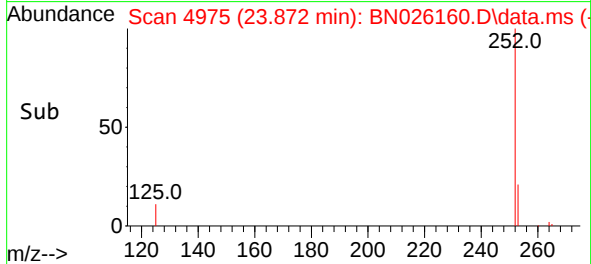
Tgt Ion:252 Resp: 66310  
Ion Ratio Lower Upper  
252 100  
253 26.4 26.0 39.0  
125 16.7 17.3 25.9

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

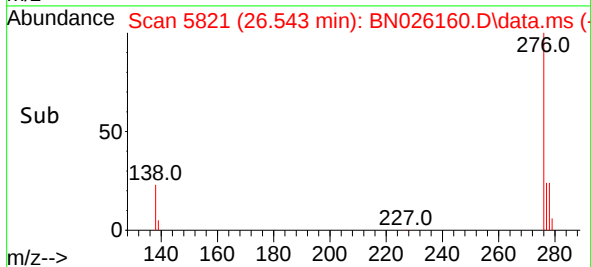
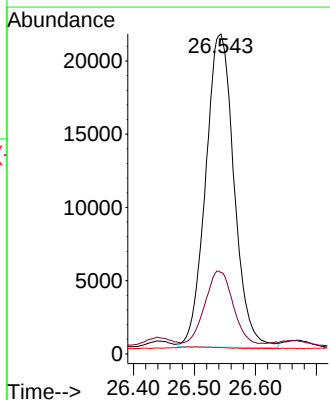
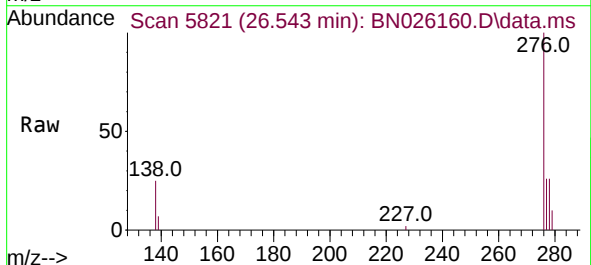
07/02/2023  
Supervised By :Sohil  
Jodhani

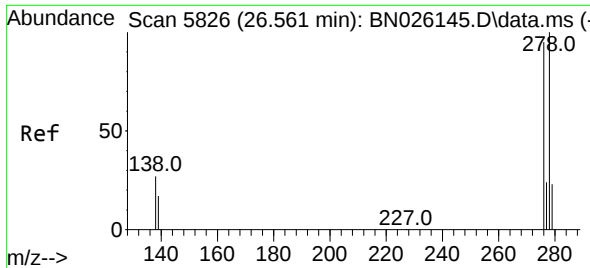
07/02/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.956 ng/ul  
RT: 26.543 min Scan# 5821  
Delta R.T. -0.015 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Tgt Ion:276 Resp: 69118  
Ion Ratio Lower Upper  
276 100  
138 24.0 24.5 36.7#  
227 0.0 0.0 0.0





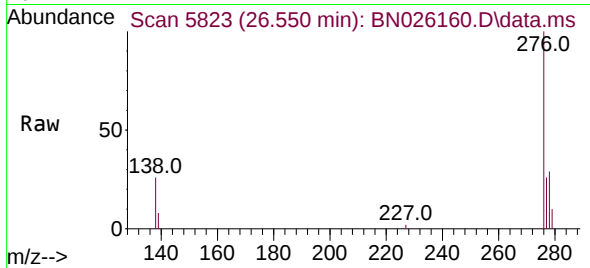
#28  
Dibenzo(a,h)anthracene  
Concen: 0.372 ng/ul  
RT: 26.550 min Scan# 5826  
Delta R.T. -0.028 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Instrument :

BNA\_N

ClientSampleId :

DCFY9DL



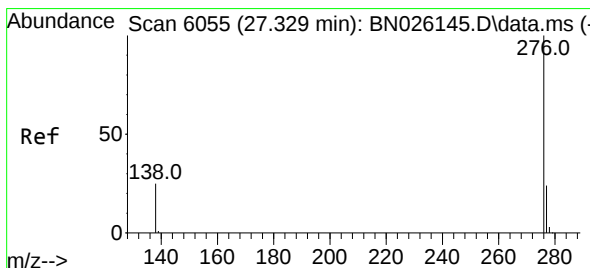
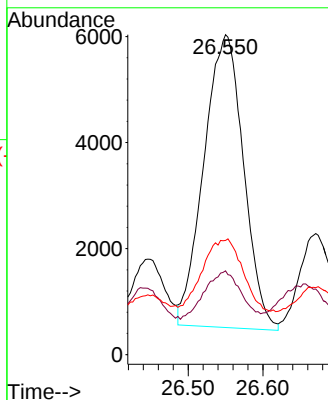
Tgt Ion:278 Resp: 20339  
Ion Ratio Lower Upper  
278 100  
139 26.2 19.0 28.4  
279 35.7 26.7 40.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

07/02/2023  
Supervised By :Sohil  
Jodhani

07/02/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.090 ng/ul  
RT: 27.335 min Scan# 6057  
Delta R.T. -0.012 min  
Lab File: BN026160.D  
Acq: 01 Jul 2023 20:17

Tgt Ion:276 Resp: 5820  
Ion Ratio Lower Upper  
276 100  
138 46.3 23.4 35.0#  
277 40.4 20.0 30.0#

