

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026167.D  
 Acq On : 02 Jul 2023 01:10  
 Operator : MA/JU  
 Sample : 03245-08  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGG6

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/02/2023  
 Supervised By :Sohil Jodhani 07/02/2023

Quant Time: Jul 02 03:06:26 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   | 7.955  | 152  | 7795     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.770 | 136  | 24537    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.599 | 164  | 15055    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.344 | 188  | 30380    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.533 | 240  | 16672    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.000 | 264  | 17301    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.322  | 96   | 27397    | 3.121 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.354 | 152  | 8620     | 0.228 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.374 | 212  | 16605    | 0.262 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.820 | 128  | 9437     | 0.134 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.431 | 142  | 10806    | 0.241 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.646 | 142  | 8464     | 0.182 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.321 | 152  | 3675     | 0.052 | ng/ul# | 83       |
| 11) Acenaphthene            | 14.659 | 153  | 3674     | 0.064 | ng/ul  | 97       |
| 12) Fluorene                | 15.644 | 166  | 3618     | 0.055 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.386 | 178  | 88776    | 0.885 | ng/ul  | 100      |
| 16) Anthracene              | 17.479 | 178  | 16385    | 0.184 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.402 | 202  | 171131   | 1.922 | ng/ul  | 98       |
| 20) Pyrene                  | 19.764 | 202  | 140502   | 1.517 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.515 | 228  | 61118    | 0.889 | ng/ul  | 97       |
| 22) Chrysene                | 21.568 | 228  | 73381    | 1.025 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.246 | 252  | 101451m  | 1.374 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.289 | 252  | 39981m   | 0.539 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.880 | 252  | 63959    | 0.997 | ng/ul  | 90       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.572 | 276  | 52149    | 0.744 | ng/ul# | 84       |
| 28) Dibenzo(a,h)anthracene  | 26.582 | 278  | 12539    | 0.237 | ng/ul# | 85       |
| 29) Benzo(g,h,i)perylene    | 27.357 | 276  | 51070    | 0.820 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

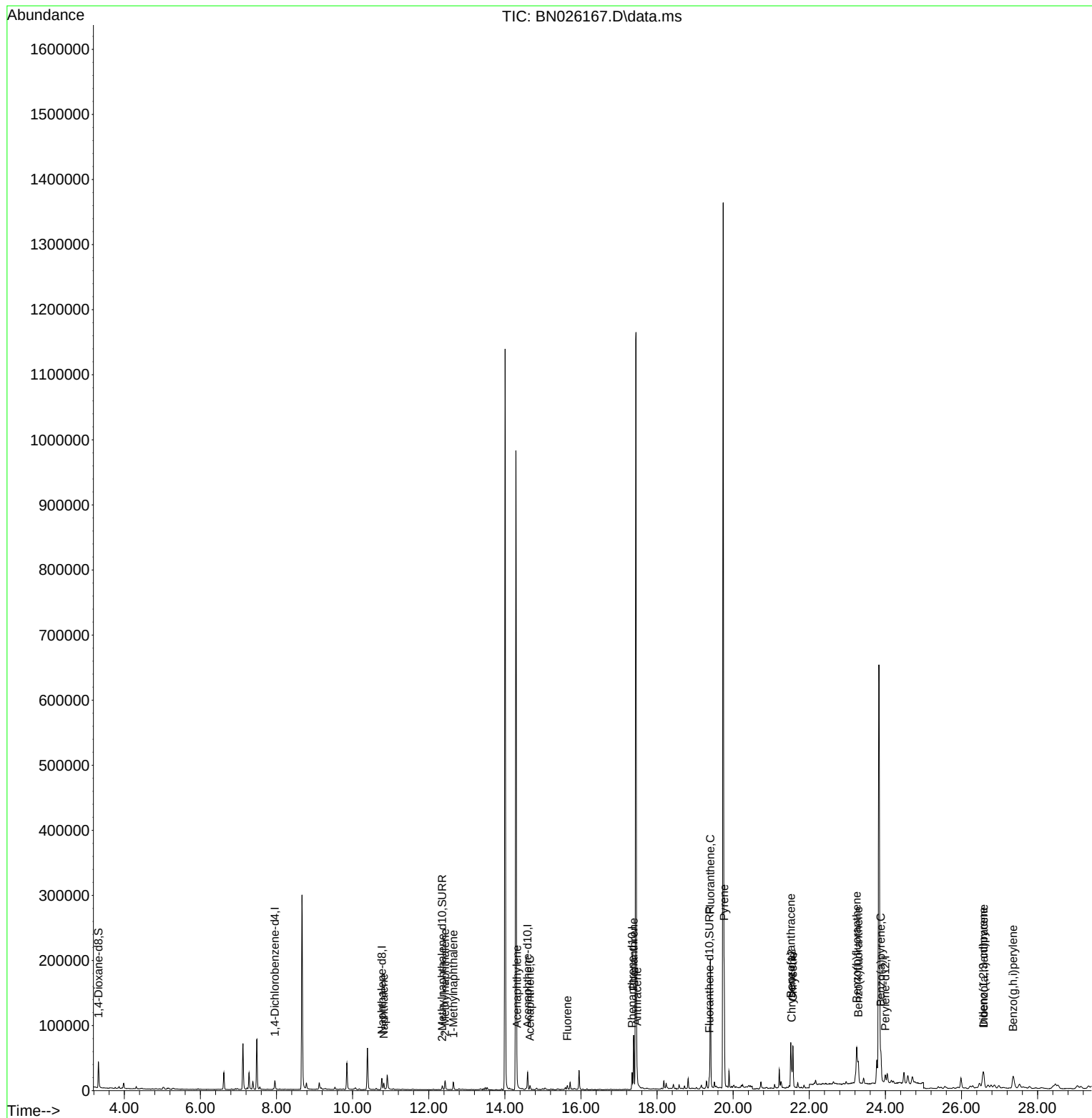
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026167.D  
Acq On : 02 Jul 2023 01:10  
Operator : MA/JU  
Sample : 03245-08  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

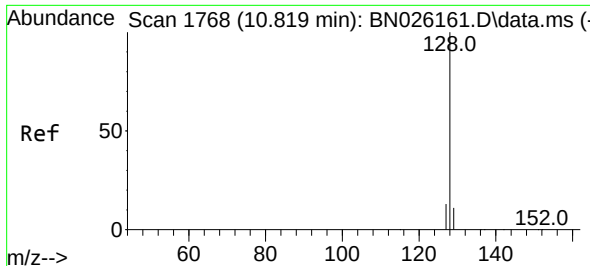
Instrument :  
BNA\_N  
ClientSampleId :  
DCGG6

Quant Time: Jul 02 03:06:26 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

Manual Integrations  
APPROVED

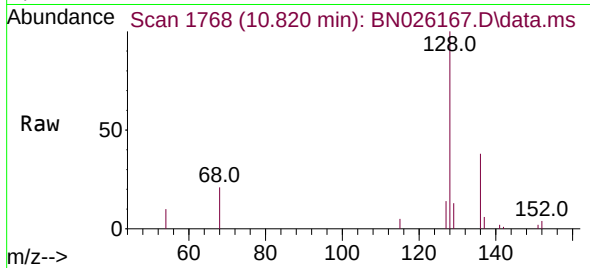
Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023





#5  
Naphthalene  
Concen: 0.134 ng/ul  
RT: 10.820 min Scan# 1768  
Delta R.T. -0.005 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

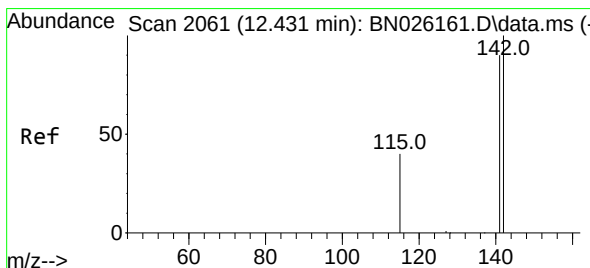
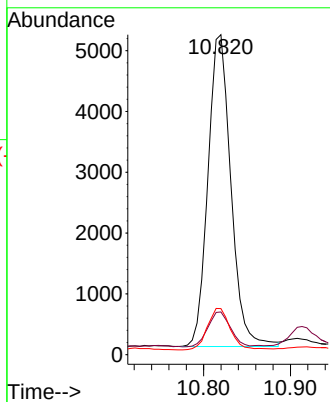
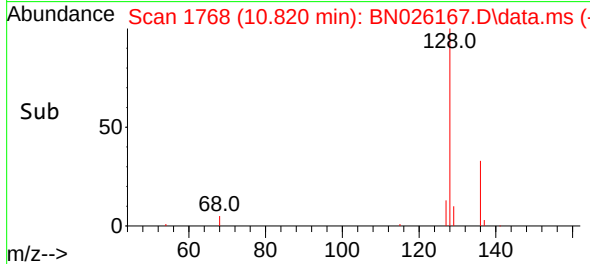
Instrument :  
BNA\_N  
ClientSampleId :  
DCGG6



Tgt Ion:128 Resp: 943  
Ion Ratio Lower Upper  
128 100  
129 13.4 9.1 13.7  
127 14.4 10.7 16.1

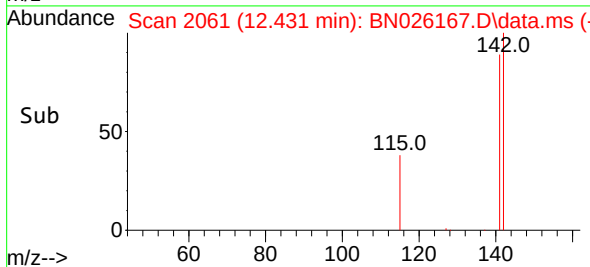
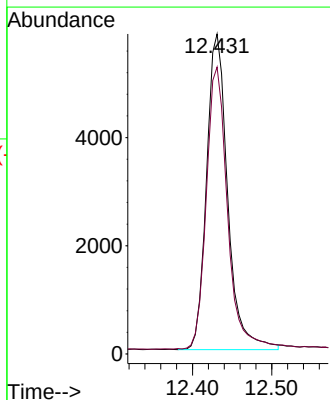
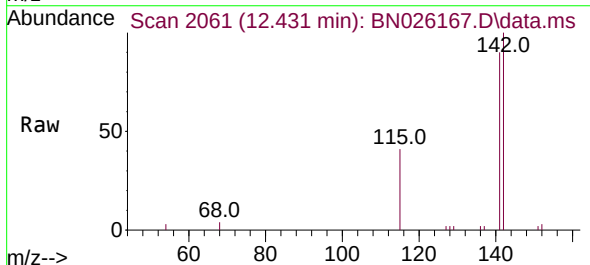
Manual Integrations  
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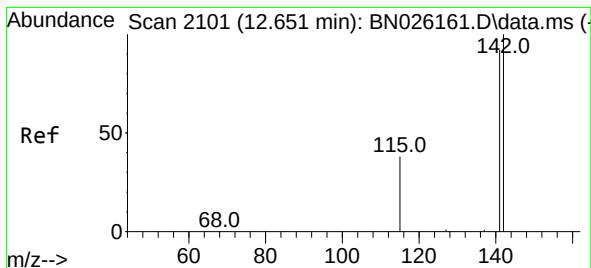
Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023



#7  
2-Methylnaphthalene  
Concen: 0.241 ng/ul  
RT: 12.431 min Scan# 2061  
Delta R.T. -0.005 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

Tgt Ion:142 Resp: 10806  
Ion Ratio Lower Upper  
142 100  
141 90.0 71.9 107.9





#8

1-Methylnaphthalene

Concen: 0.182 ng/ul

RT: 12.646 min Scan# 2100

Delta R.T. -0.005 min

Lab File: BN026167.D

Acq: 02 Jul 2023 01:10

Instrument :

BNA\_N

ClientSampleId :

DCGG6

Tgt Ion:142 Resp: 846

Ion Ratio Lower Upper

142 100

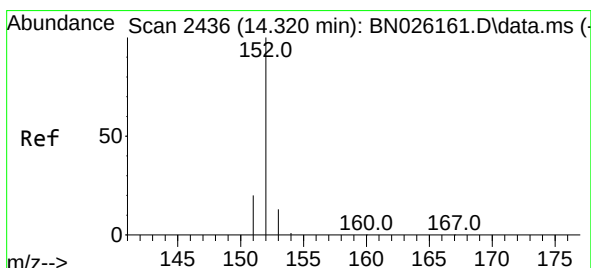
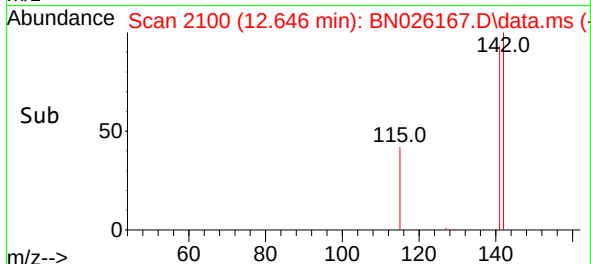
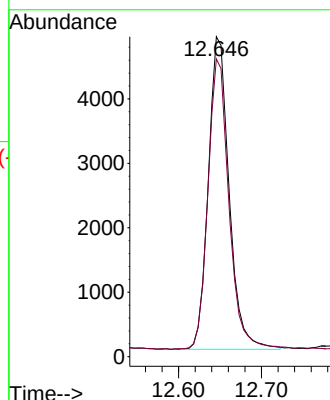
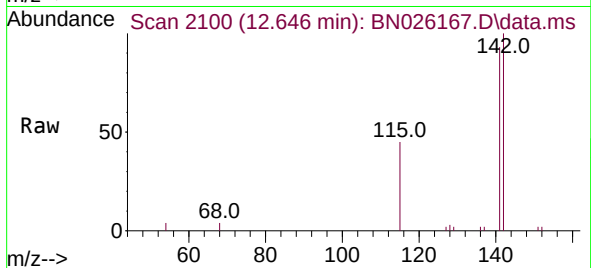
141 93.6 74.2 111.4

Manual Integrations

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Reviewed By :Yogesh Patel 07/02/2023

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#10

Acenaphthylene

Concen: 0.052 ng/ul

RT: 14.321 min Scan# 2436

Delta R.T. -0.004 min

Lab File: BN026167.D

Acq: 02 Jul 2023 01:10

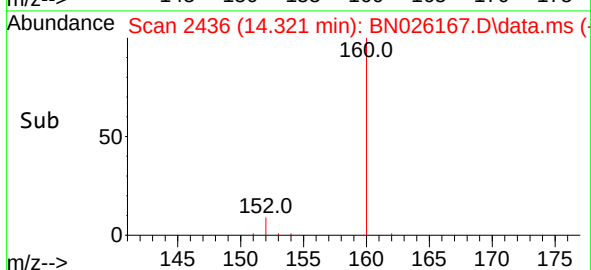
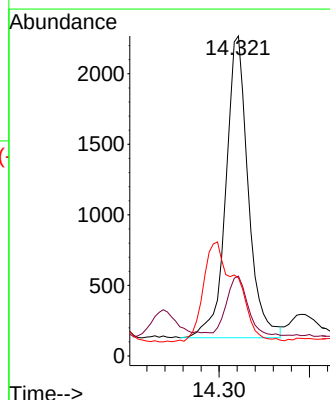
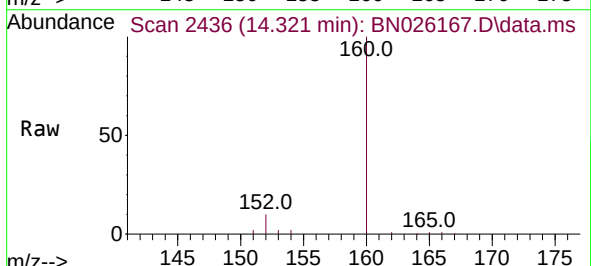
Tgt Ion:152 Resp: 3675

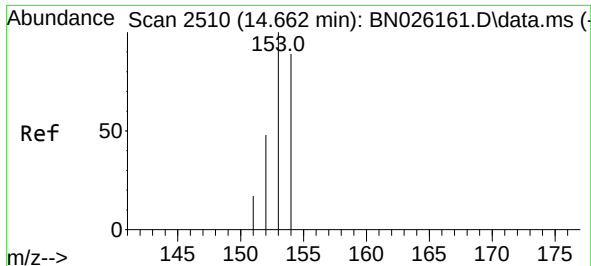
Ion Ratio Lower Upper

152 100

151 25.0 16.2 24.4#

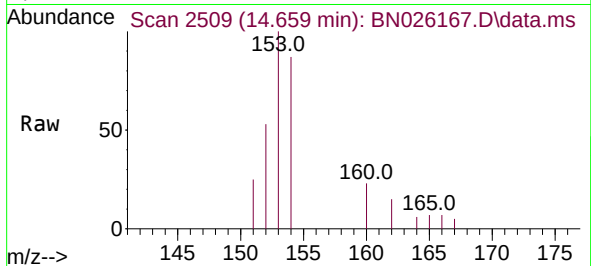
153 24.4 10.9 16.3#





#11  
Acenaphthene  
Concen: 0.064 ng/ul  
RT: 14.659 min Scan# 2509  
Delta R.T. -0.009 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

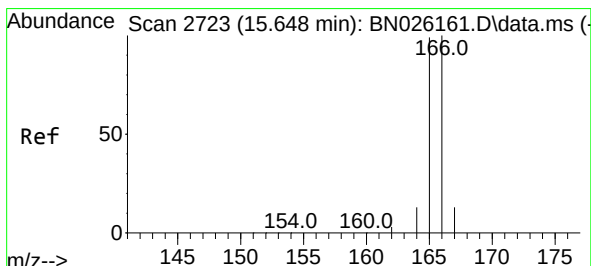
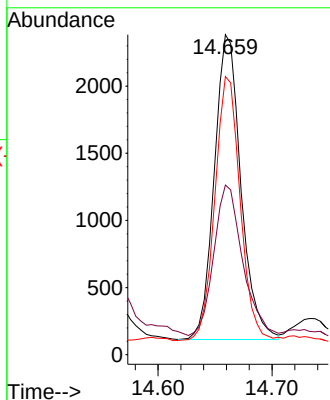
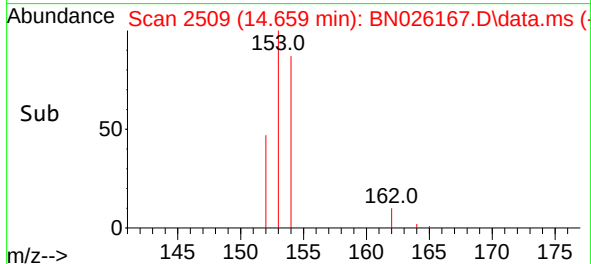
Instrument :  
BNA\_N  
ClientSampleId :  
DCGG6



Tgt Ion:153 Resp: 3674  
Ion Ratio Lower Upper  
153 100  
152 53.0 39.4 59.0  
154 86.9 68.9 103.3

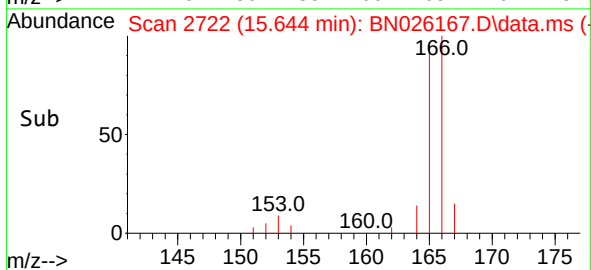
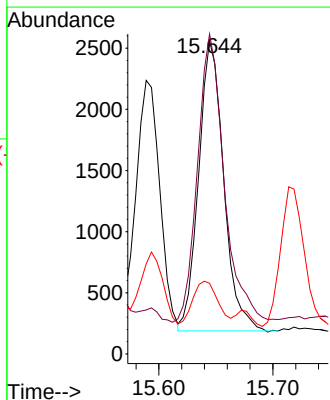
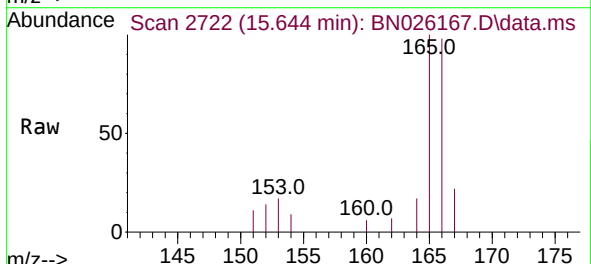
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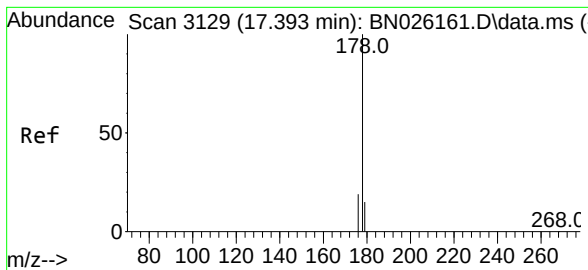
Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023



#12  
Fluorene  
Concen: 0.055 ng/ul  
RT: 15.644 min Scan# 2722  
Delta R.T. -0.009 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

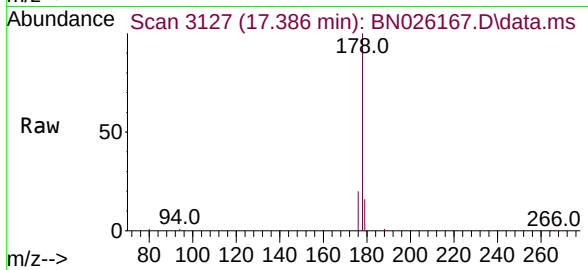
Tgt Ion:166 Resp: 3618  
Ion Ratio Lower Upper  
166 100  
165 102.1 79.9 119.9  
167 22.6 10.8 16.2#





#15  
Phenanthrene  
Concen: 0.885 ng/ul  
RT: 17.386 min Scan# 3127  
Delta R.T. -0.008 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

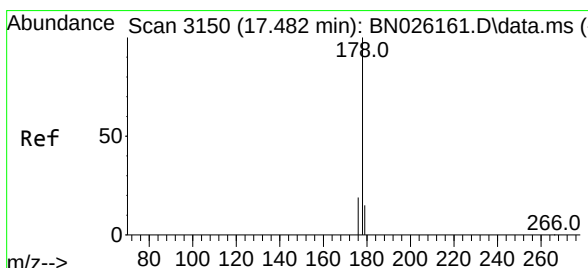
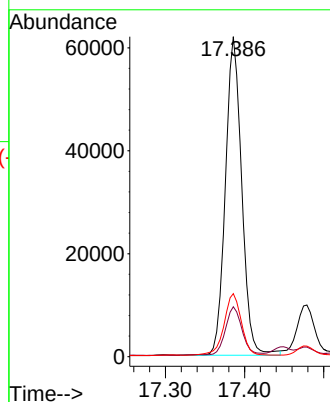
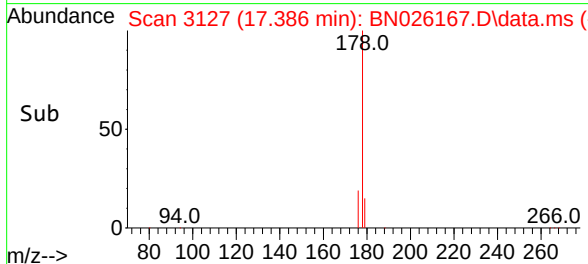
Instrument :  
BNA\_N  
ClientSampleId :  
DCG6



Tgt Ion:178 Resp: 88770  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 19.0  
176 19.7 15.8 23.6

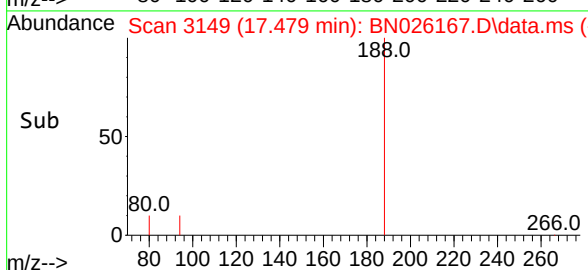
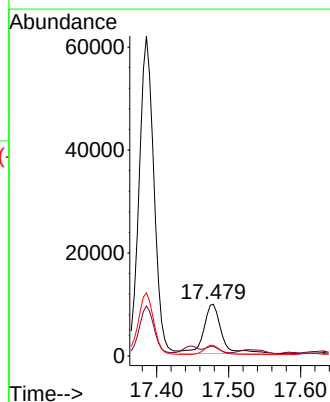
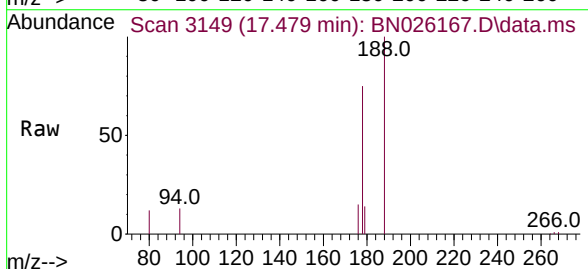
Manual Integrations  
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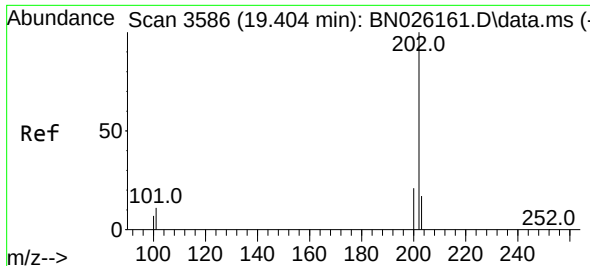
Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023



#16  
Anthracene  
Concen: 0.184 ng/ul  
RT: 17.479 min Scan# 3149  
Delta R.T. -0.008 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

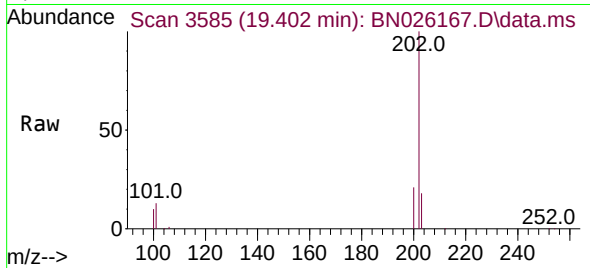
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Ion Ratio Lower Upper  
178 100  
179 18.5 12.6 18.8  
176 20.5 15.1 22.7





#19  
Fluoranthene  
Concen: 1.922 ng/ul  
RT: 19.402 min Scan# 3585  
Delta R.T. -0.009 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

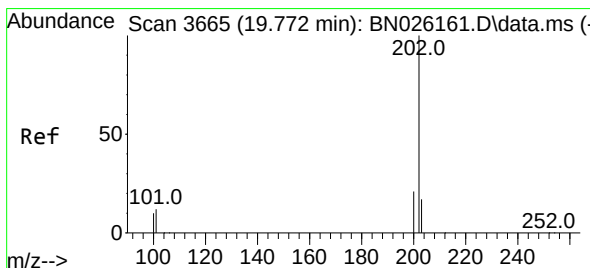
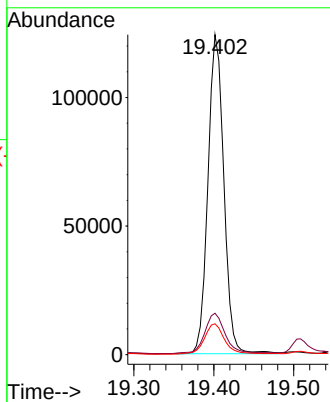
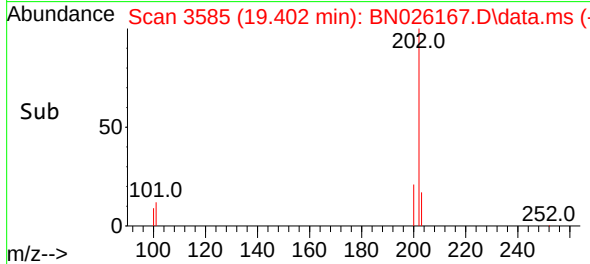
Instrument :  
BNA\_N  
ClientSampleId :  
DCGG6



Tgt Ion:202 Resp: 17113  
Ion Ratio Lower Upper  
202 100  
101 12.9 9.5 14.3  
100 9.6 7.3 10.9

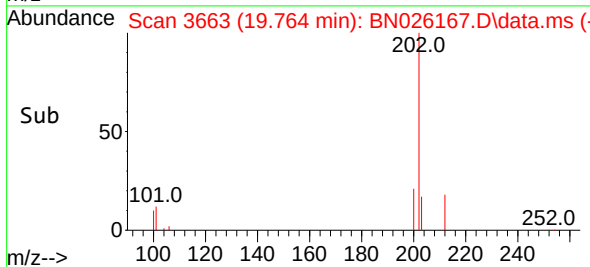
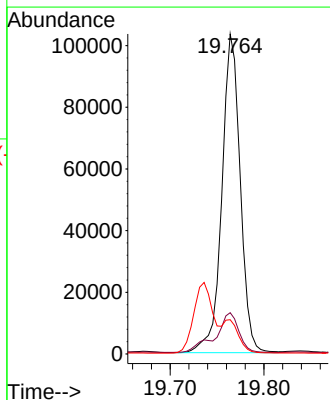
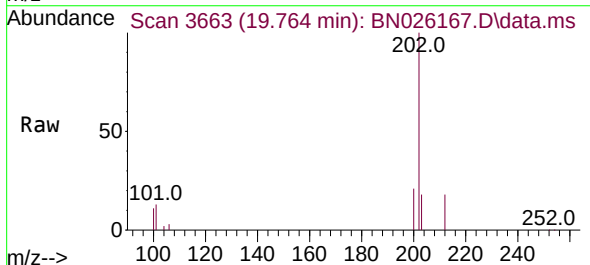
Manual Integrations  
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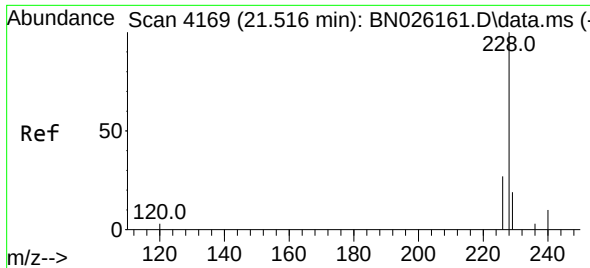
Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023



#20  
Pyrene  
Concen: 1.517 ng/ul  
RT: 19.764 min Scan# 3663  
Delta R.T. -0.009 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

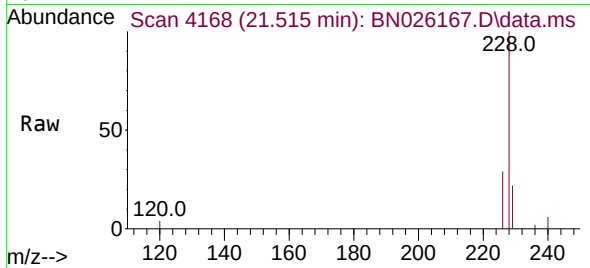
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Ion Ratio Lower Upper  
202 100  
101 12.9 11.4 17.0  
100 10.7 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 0.889 ng/ul  
RT: 21.515 min Scan# 4169  
Delta R.T. -0.011 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

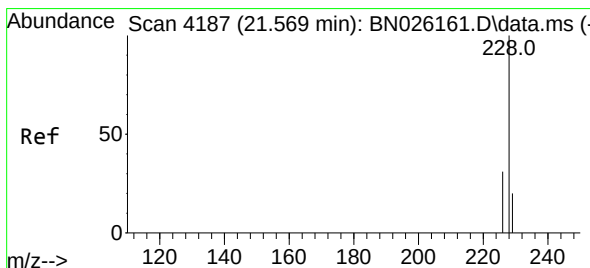
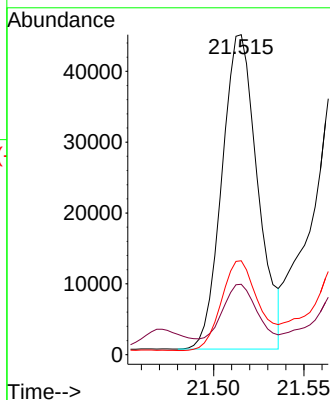
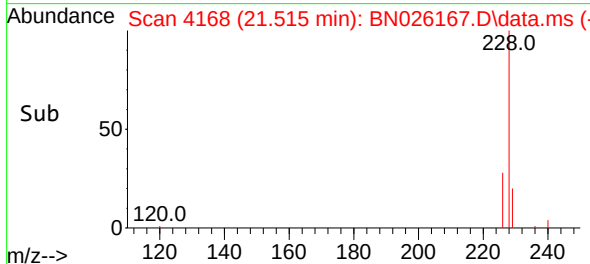
Instrument :  
BNA\_N  
ClientSampleId :  
DCGG6



Tgt Ion:228 Resp: 61118  
Ion Ratio Lower Upper  
228 100  
229 22.0 15.8 23.6  
226 29.4 22.5 33.7

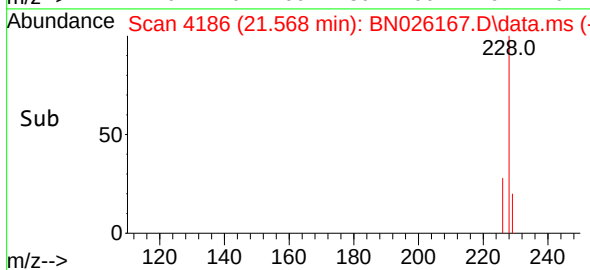
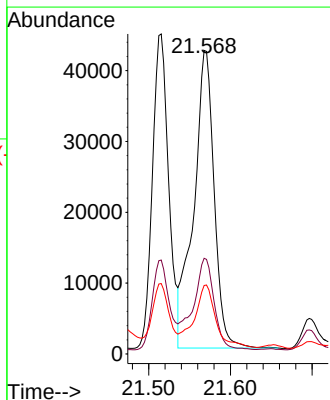
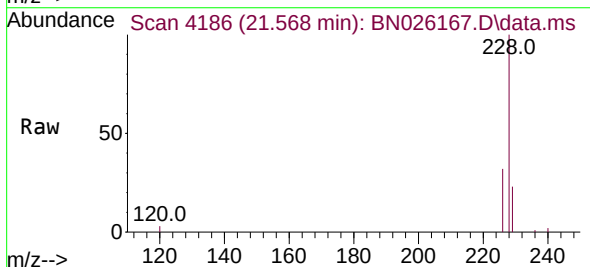
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023

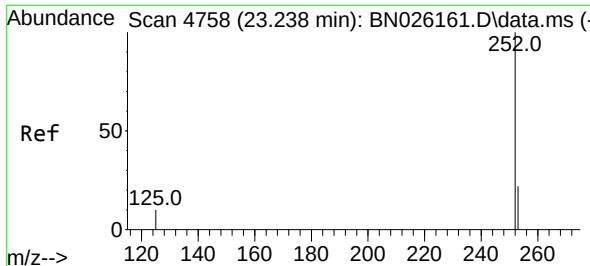


#22  
Chrysene  
Concen: 1.025 ng/ul  
RT: 21.568 min Scan# 4186  
Delta R.T. -0.011 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

Tgt Ion:228 Resp: 73381  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.8 37.2  
229 22.5 15.7 23.5

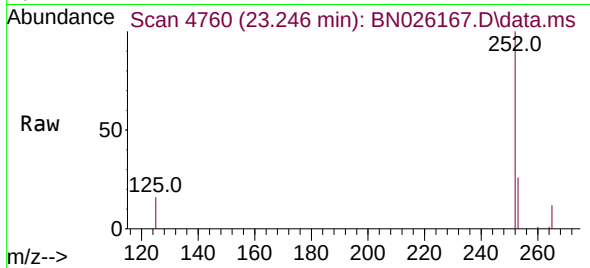






#24  
Benzo(b)fluoranthene  
Concen: 1.374 ng/ul m  
RT: 23.246 min Scan# 4760  
Delta R.T. 0.003 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

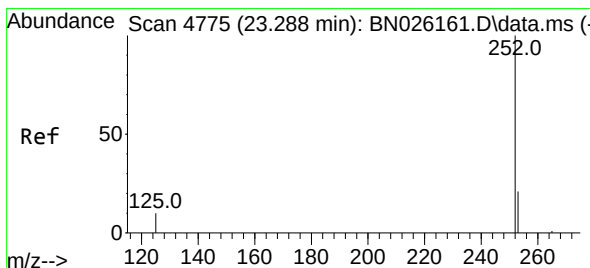
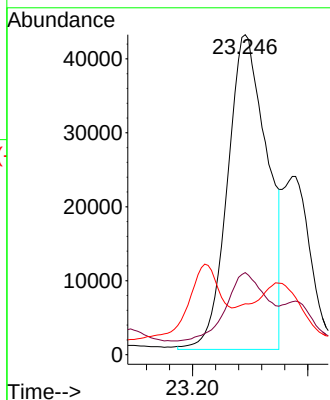
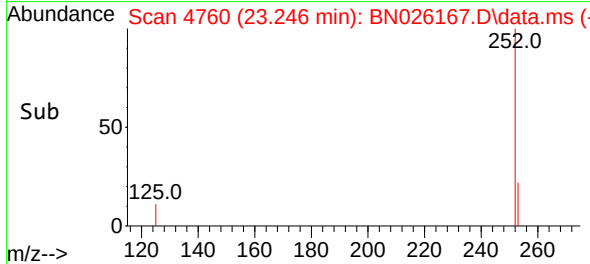
Instrument :  
BNA\_N  
ClientSampleId :  
DCGG6



Tgt Ion:252 Resp: 10145  
Ion Ratio Lower Upper  
252 100  
253 25.6 0.0 55.6  
125 15.9 0.0 35.8

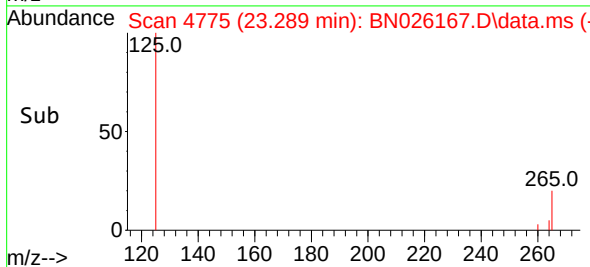
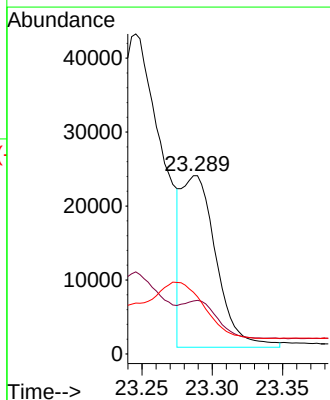
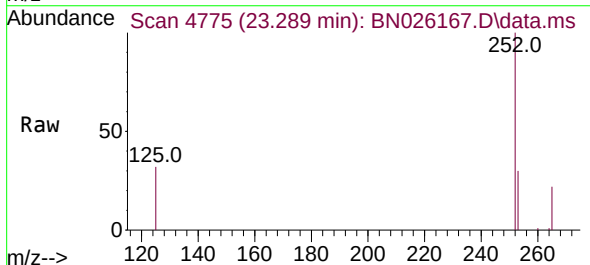
Manual Integrations  
APPROVED

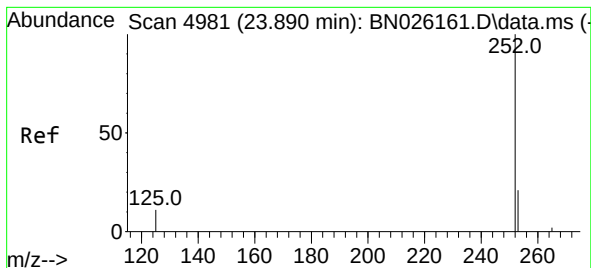
Reviewed By :Yogesh Patel 07/02/2023  
Supervised By :Sohil Jodhani 07/02/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.539 ng/ul m  
RT: 23.289 min Scan# 4775  
Delta R.T. -0.003 min  
Lab File: BN026167.D  
Acq: 02 Jul 2023 01:10

Tgt Ion:252 Resp: 39981  
Ion Ratio Lower Upper  
252 100  
253 30.1 23.2 34.8  
125 32.1 15.0 22.4





#26

Benzo(a)pyrene

Concen: 0.997 ng/ul

RT: 23.880 min Scan# 4981

Delta R.T. -0.006 min

Lab File: BN026167.D

Acq: 02 Jul 2023 01:10

Instrument :

BNA\_N

ClientSampleId :

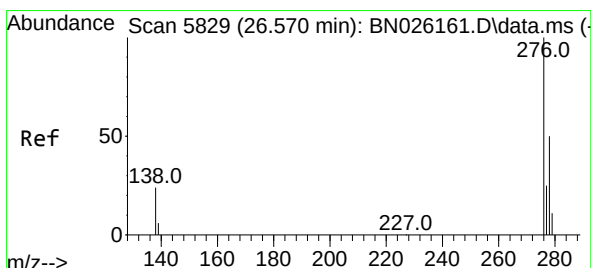
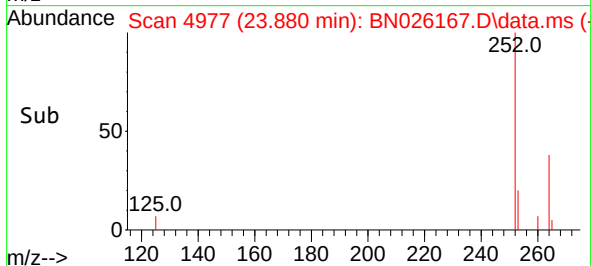
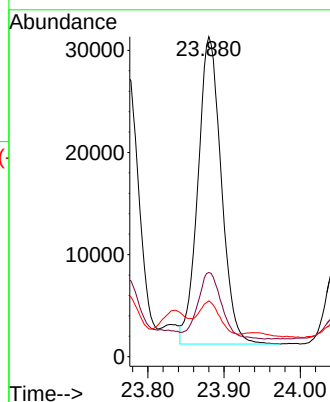
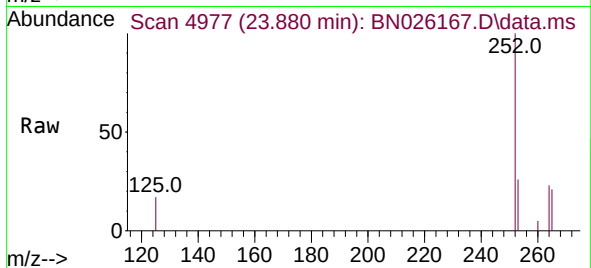
DCGG6

Tgt Ion:252 Resp: 63959  
 Ion Ratio Lower Upper  
 252 100  
 253 26.3 26.0 39.0  
 125 17.5 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: 0.744 ng/ul

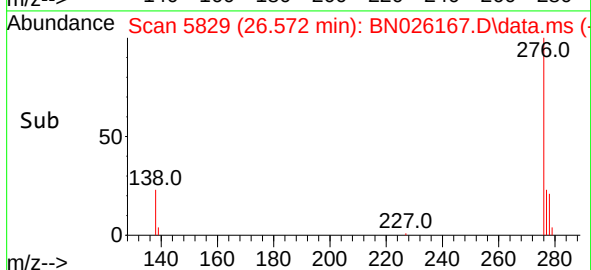
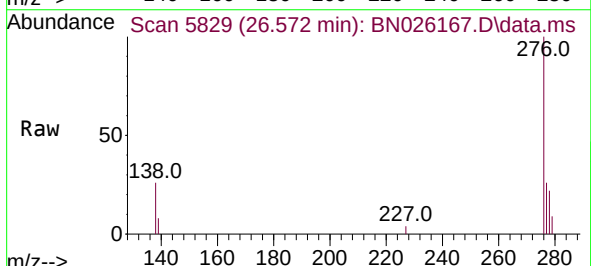
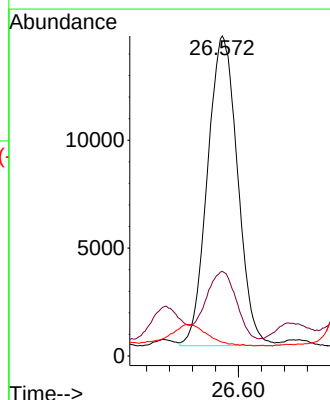
RT: 26.572 min Scan# 5829

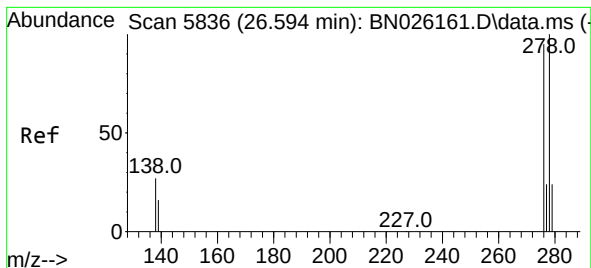
Delta R.T. 0.014 min

Lab File: BN026167.D

Acq: 02 Jul 2023 01:10

Tgt Ion:276 Resp: 52149  
 Ion Ratio Lower Upper  
 276 100  
 138 21.7 24.5 36.7#  
 227 0.0 0.0 0.0





#28

Dibenzo(a,h)anthracene

Concen: 0.237 ng/ul

RT: 26.582 min Scan# 5836

Delta R.T. 0.004 min

Lab File: BN026167.D

Acq: 02 Jul 2023 01:10

Instrument :

BNA\_N

ClientSampleId :

DCG6

Tgt Ion:278 Resp: 12539

Ion Ratio Lower Upper

278 100

139 33.1 19.0 28.4

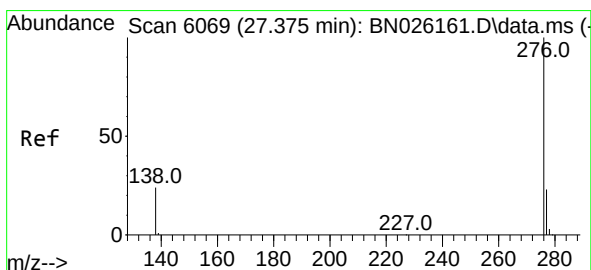
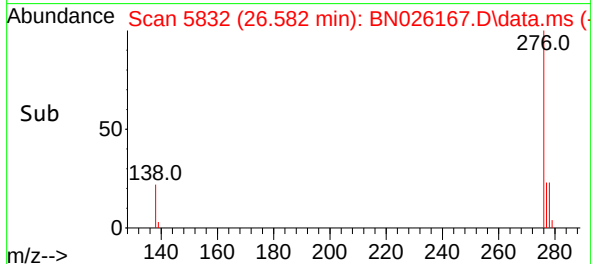
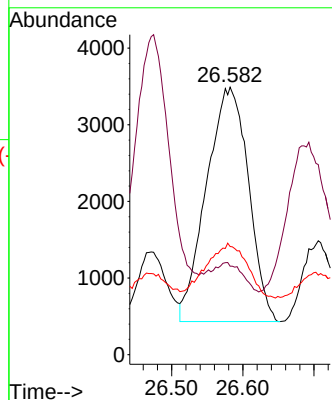
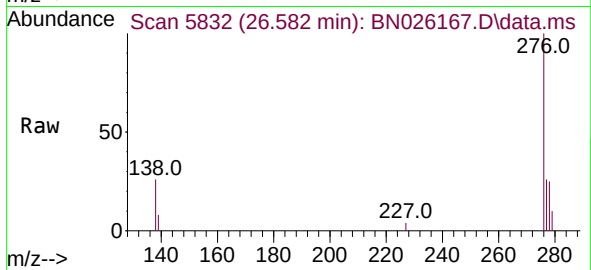
279 40.4 26.7 40.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/02/2023

Supervised By :Sohil Jodhani 07/02/2023



#29

Benzo(g,h,i)perylene

Concen: 0.820 ng/ul

RT: 27.357 min Scan# 6063

Delta R.T. 0.010 min

Lab File: BN026167.D

Acq: 02 Jul 2023 01:10

Tgt Ion:276 Resp: 51070

Ion Ratio Lower Upper

276 100

138 27.4 23.4 35.0

277 25.6 20.0 30.0

