

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026183.D  
 Acq On : 02 Jul 2023 11:29  
 Operator : MA/JU  
 Sample : 03247-05  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGL1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/04/2023  
 Supervised By :Sohil Jodhani 07/04/2023

Quant Time: Jul 03 05:39:20 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  | 9283     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.763 | 136  | 29102    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.598 | 164  | 16043    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.342 | 188  | 28126    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.531 | 240  | 17444    | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.998 | 264  | 19774    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.322  | 96   | 28823    | 2.757 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.353 | 152  | 8246     | 0.184 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.372 | 212  | 12771    | 0.192 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.813 | 128  | 13060    | 0.157 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.430 | 142  | 4631     | 0.087 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.644 | 142  | 2998     | 0.054 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.315 | 152  | 8013     | 0.107 | ng/ul# | 93       |
| 11) Acenaphthene            | 14.658 | 153  | 2105     | 0.034 | ng/ul  | 97       |
| 12) Fluorene                | 15.643 | 166  | 1869     | 0.027 | ng/ul# | 89       |
| 15) Phenanthrene            | 17.385 | 178  | 68402    | 0.736 | ng/ul  | 100      |
| 16) Anthracene              | 17.477 | 178  | 14249    | 0.173 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.400 | 202  | 209032   | 2.244 | ng/ul  | 99       |
| 20) Pyrene                  | 19.762 | 202  | 164322   | 1.696 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.516 | 228  | 99477    | 1.382 | ng/ul  | 97       |
| 22) Chrysene                | 21.569 | 228  | 109859   | 1.467 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.244 | 252  | 171363m  | 2.030 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.288 | 252  | 61112m   | 0.721 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.890 | 252  | 101037   | 1.378 | ng/ul# | 89       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.577 | 276  | 89178    | 1.114 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.584 | 278  | 21447    | 0.354 | ng/ul# | 88       |
| 29) Benzo(g,h,i)perylene    | 27.378 | 276  | 77916    | 1.094 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

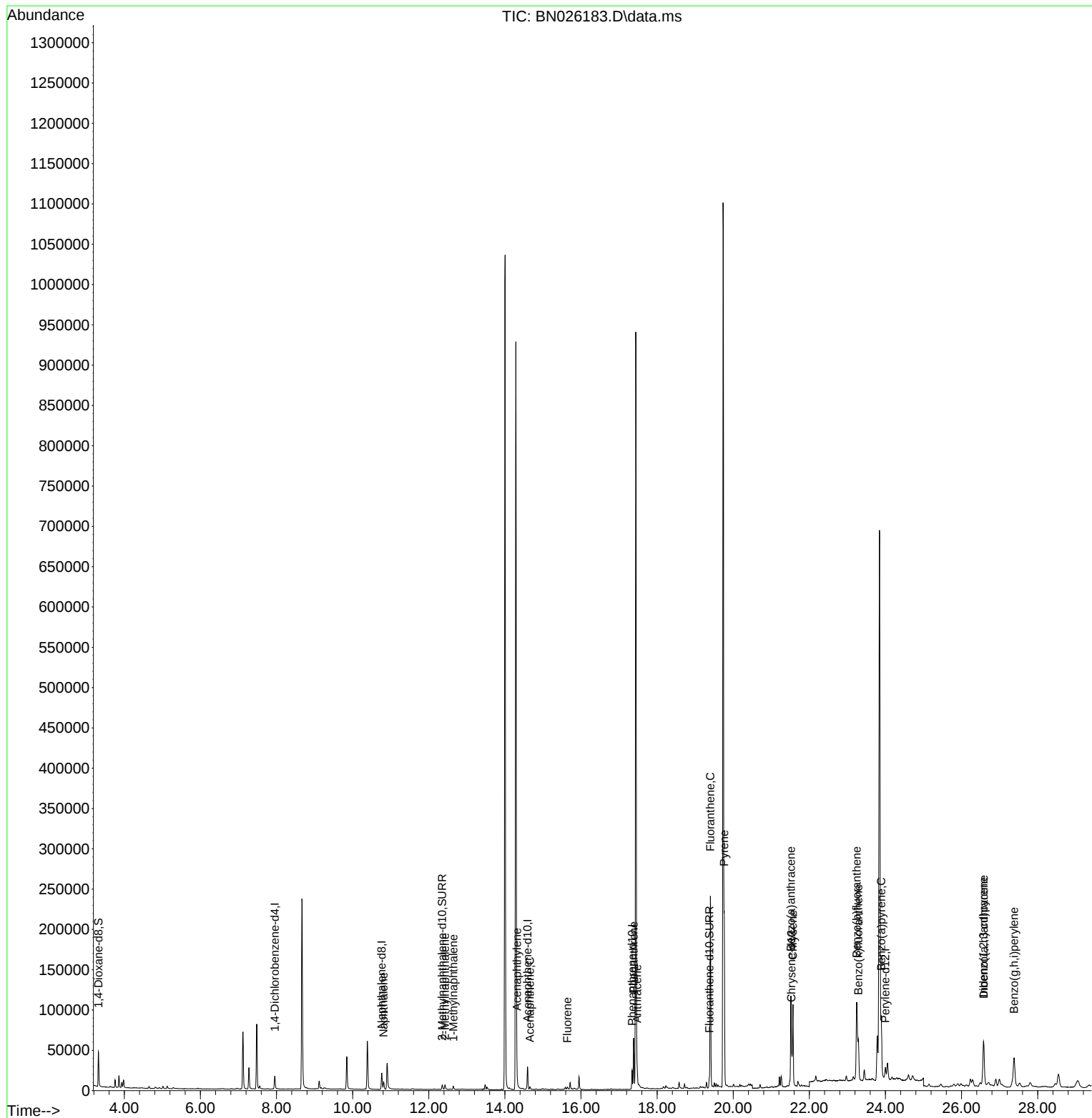
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026183.D  
Acq On : 02 Jul 2023 11:29  
Operator : MA/JU  
Sample : 03247-05  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

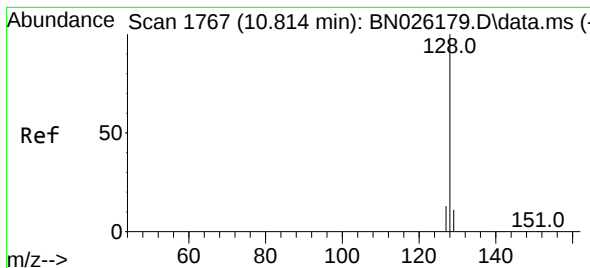
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1

Quant Time: Jul 03 05:39:20 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

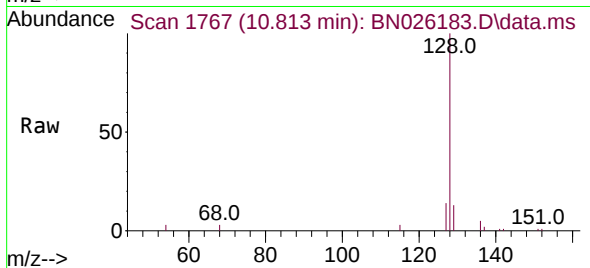
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023





#5  
Naphthalene  
Concen: 0.157 ng/ul  
RT: 10.813 min Scan# 1767  
Delta R.T. -0.012 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

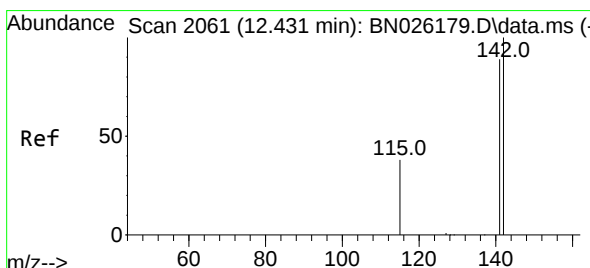
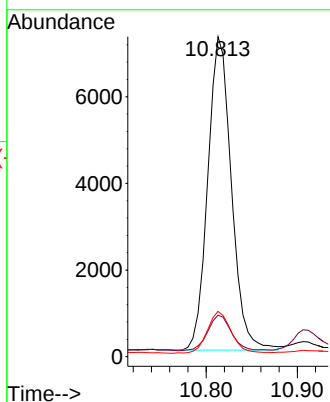
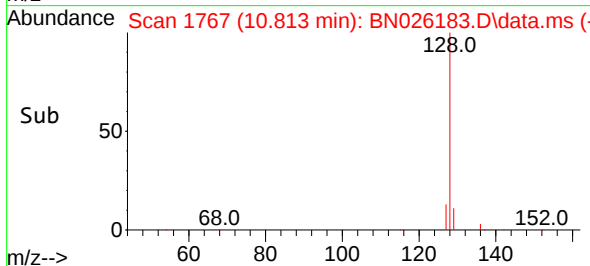
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1



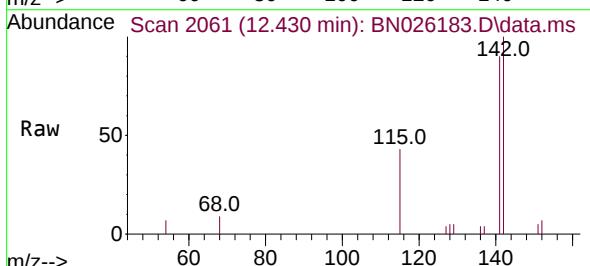
Tgt Ion:128 Resp: 13060  
Ion Ratio Lower Upper  
128 100  
129 12.9 9.1 13.7  
127 14.1 10.7 16.1

Manual Integrations  
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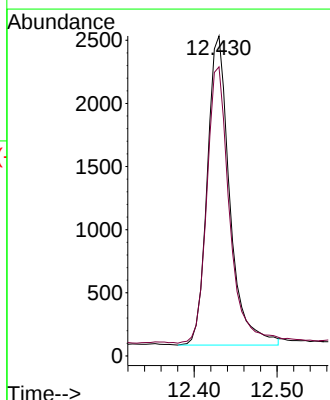
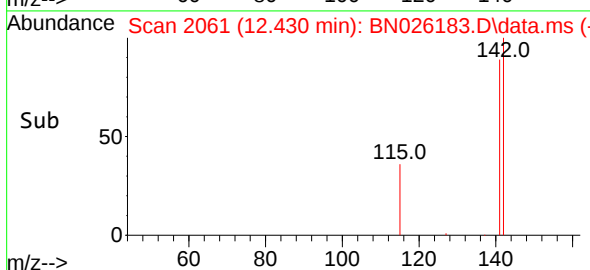
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

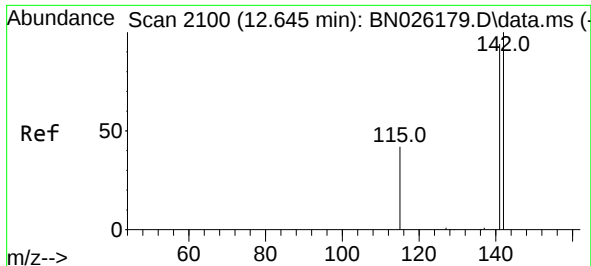


#7  
2-Methylnaphthalene  
Concen: 0.087 ng/ul  
RT: 12.430 min Scan# 2061  
Delta R.T. -0.007 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29



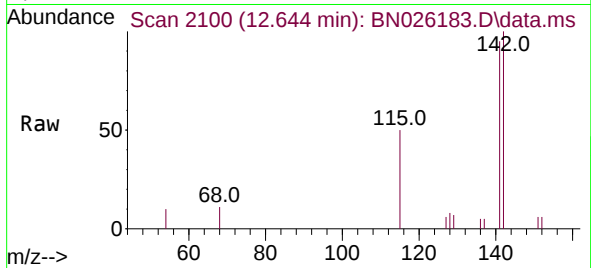
Tgt Ion:142 Resp: 4631  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.054 ng/ul  
RT: 12.644 min Scan# 2100  
Delta R.T. -0.007 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

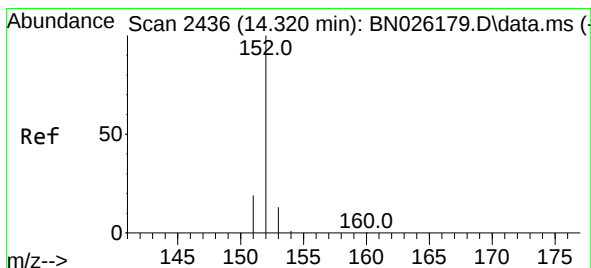
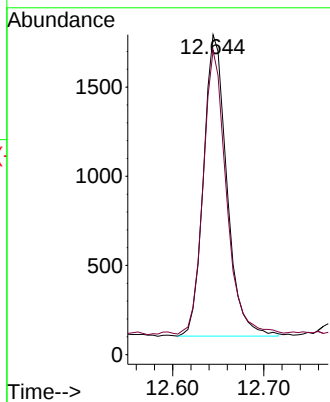
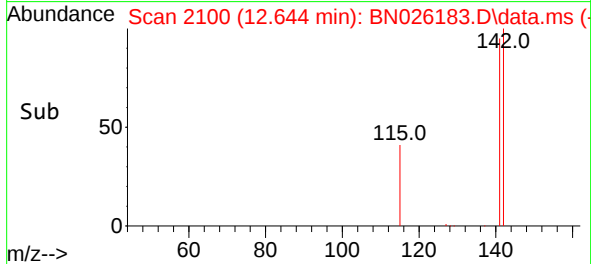
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1



Tgt Ion:142 Resp: 2998  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.2 111.4

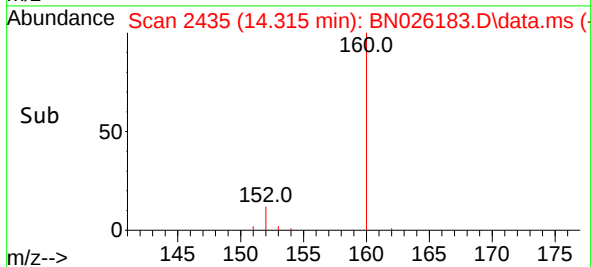
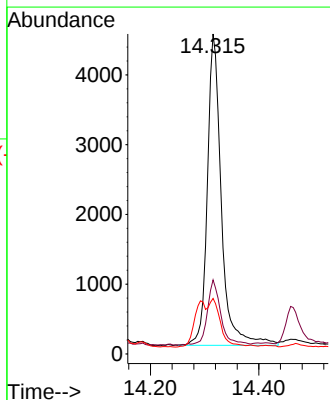
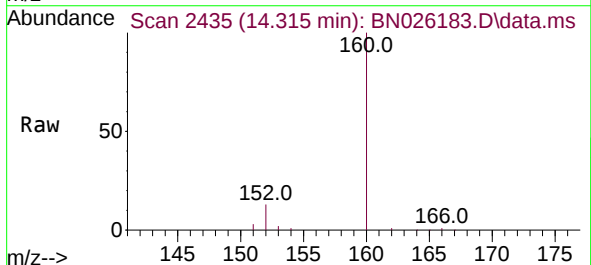
Manual Integrations  
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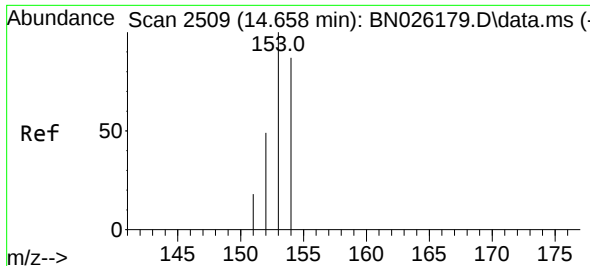
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#10  
Acenaphthylene  
Concen: 0.107 ng/ul  
RT: 14.315 min Scan# 2435  
Delta R.T. -0.010 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

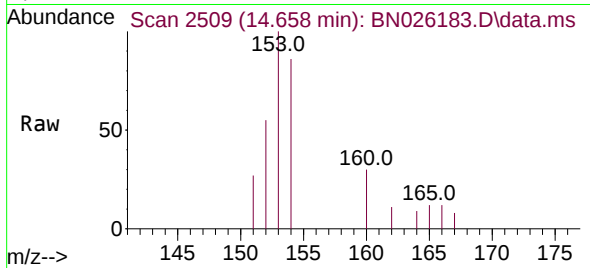
Tgt Ion:152 Resp: 8013  
Ion Ratio Lower Upper  
152 100  
151 23.1 16.2 24.4  
153 17.3 10.9 16.3#





#11  
Acenaphthene  
Concen: 0.034 ng/ul  
RT: 14.658 min Scan# 2509  
Delta R.T. -0.010 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

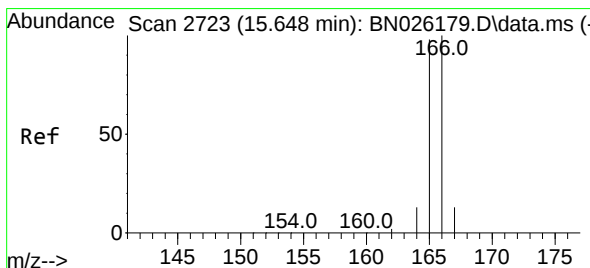
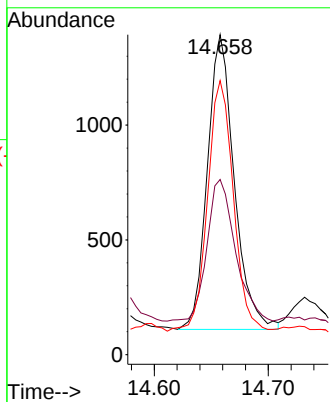
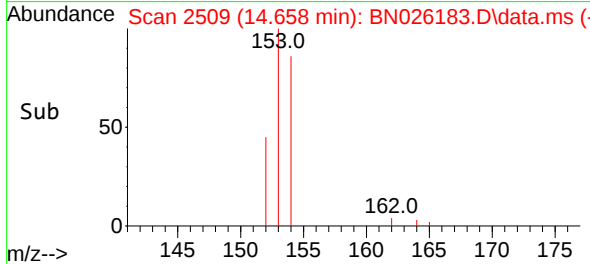
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1



Tgt Ion:153 Resp: 210  
Ion Ratio Lower Upper  
153 100  
152 54.7 39.4 59.0  
154 85.7 68.9 103.3

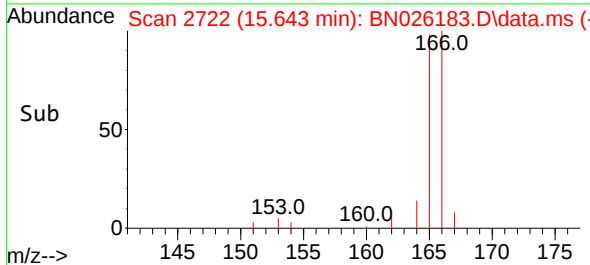
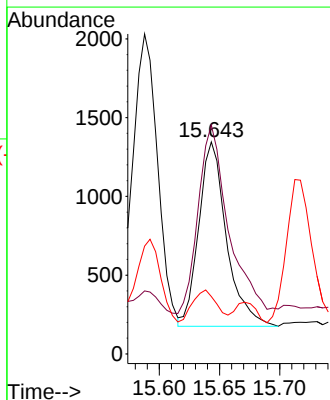
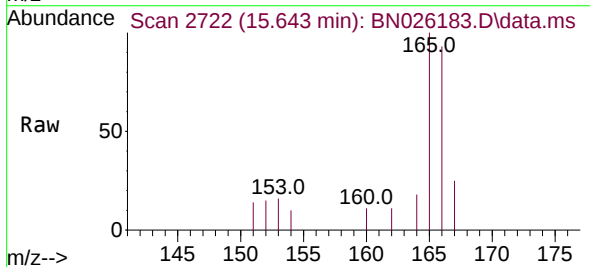
Manual Integrations  
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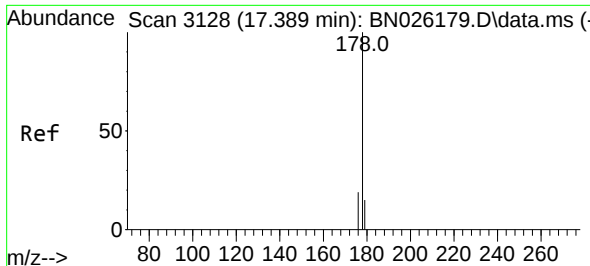
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#12  
Fluorene  
Concen: 0.027 ng/ul  
RT: 15.643 min Scan# 2722  
Delta R.T. -0.010 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

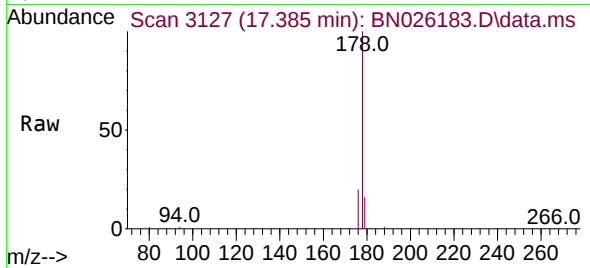
Tgt Ion:166 Resp: 1869  
Ion Ratio Lower Upper  
166 100  
165 107.9 79.9 119.9  
167 27.1 10.8 16.2#





#15  
Phenanthrene  
Concen: 0.736 ng/ul  
RT: 17.385 min Scan# 3128  
Delta R.T. -0.009 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

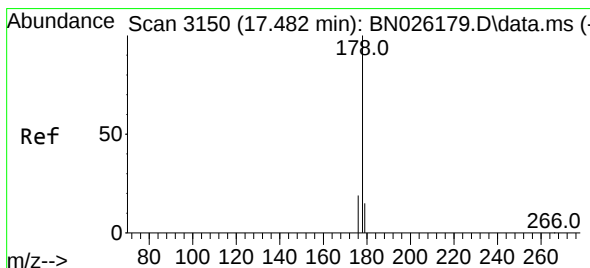
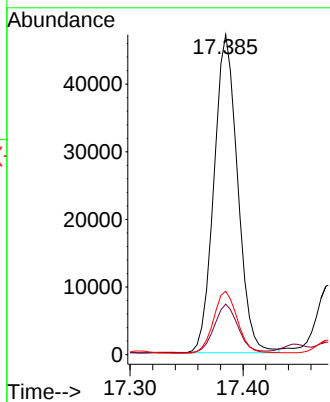
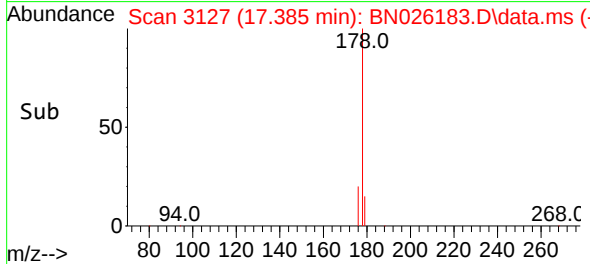
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1



Tgt Ion:178 Resp: 68402  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.6 19.0  
176 19.9 15.8 23.6

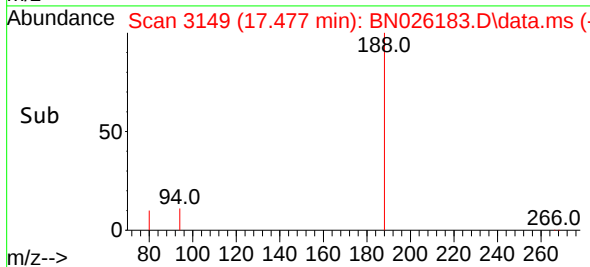
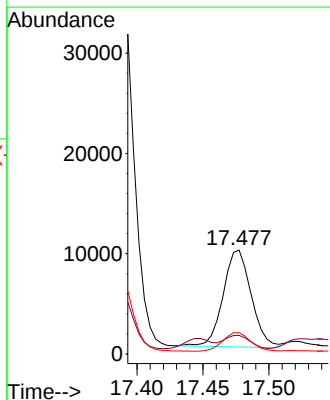
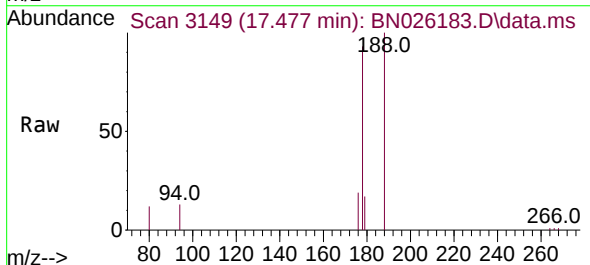
Manual Integrations  
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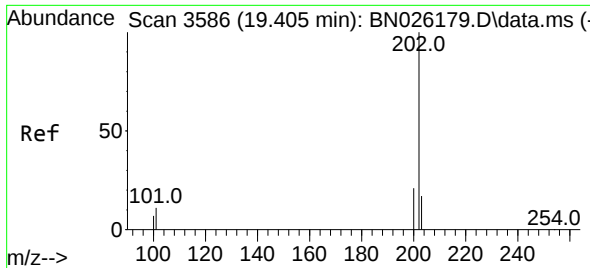
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#16  
Anthracene  
Concen: 0.173 ng/ul  
RT: 17.477 min Scan# 3149  
Delta R.T. -0.009 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

Tgt Ion:178 Resp: 14249  
Ion Ratio Lower Upper  
178 100  
179 17.9 12.6 18.8  
176 20.5 15.1 22.7





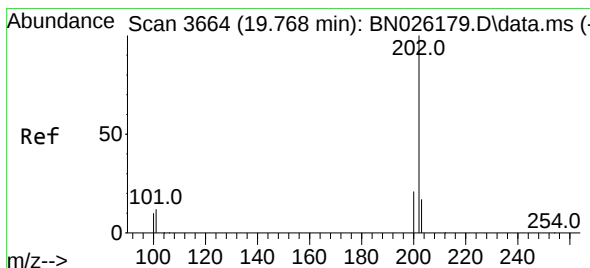
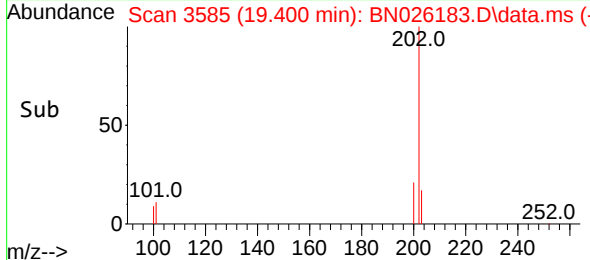
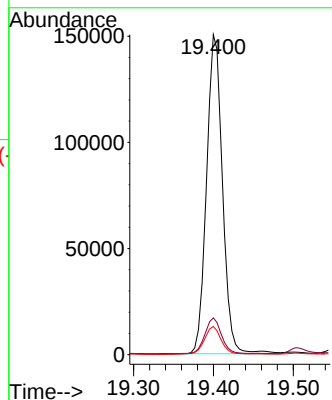
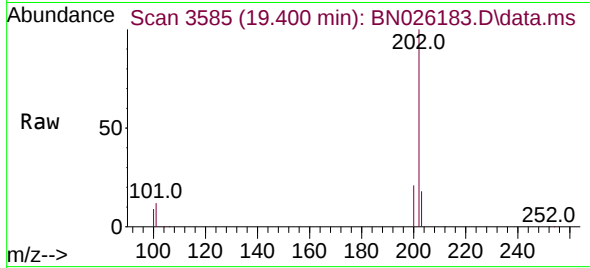
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Fluoranthene  
Concen: 2.244 ng/ul  
RT: 19.400 min Scan# 3586  
Delta R.T. -0.011 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1

Tgt Ion:202 Resp: 209032  
Ion Ratio Lower Upper  
202 100  
101 11.5 9.5 14.3  
100 8.8 7.3 10.9

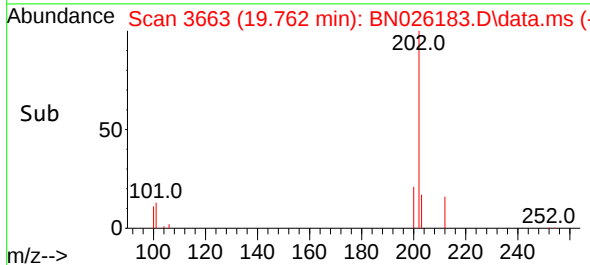
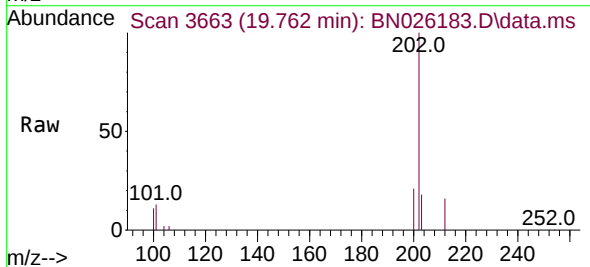
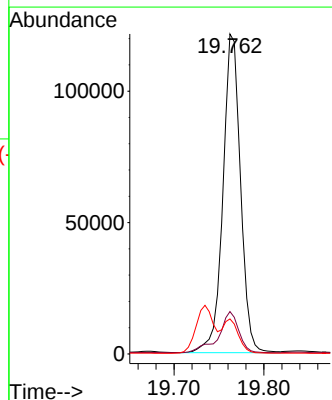
Manual Integrations  
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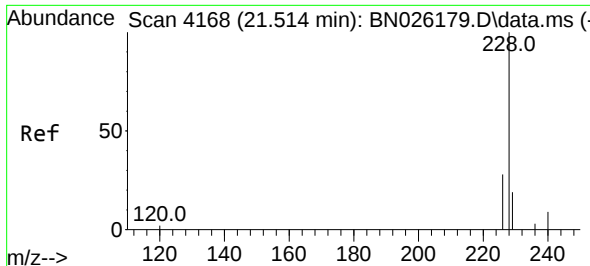
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#20  
Pyrene  
Concen: 1.696 ng/ul  
RT: 19.762 min Scan# 3663  
Delta R.T. -0.011 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

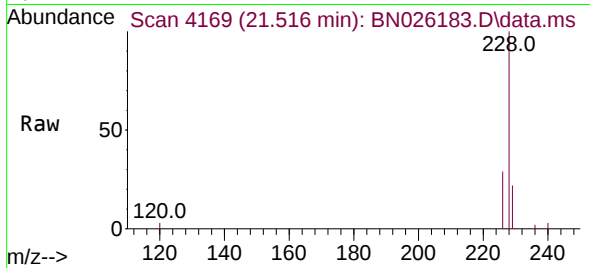
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Ion Ratio Lower Upper  
202 100  
101 13.3 11.4 17.0  
100 11.0 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 1.382 ng/ul  
RT: 21.516 min Scan# 4168  
Delta R.T. -0.010 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

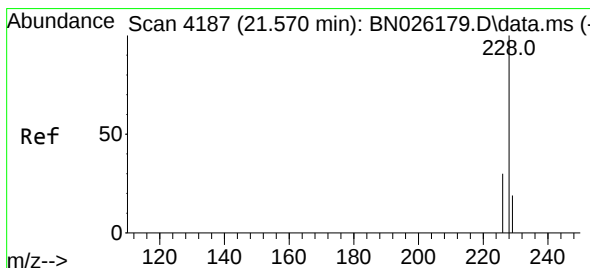
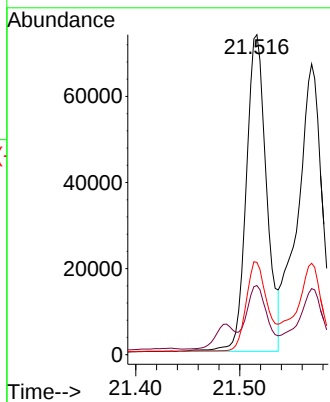
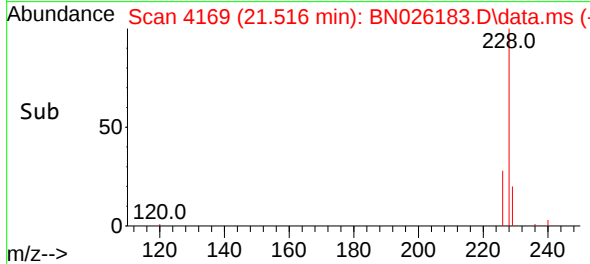
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1



Tgt Ion:228 Resp: 9947  
Ion Ratio Lower Upper  
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229 21.6 15.8 23.6  
226 28.9 22.5 33.7

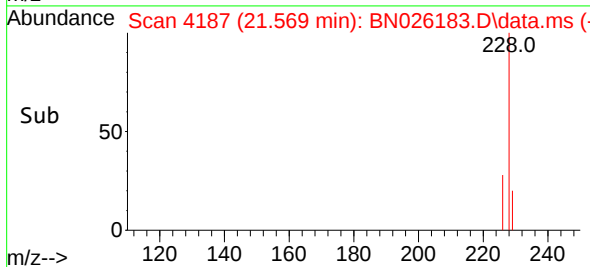
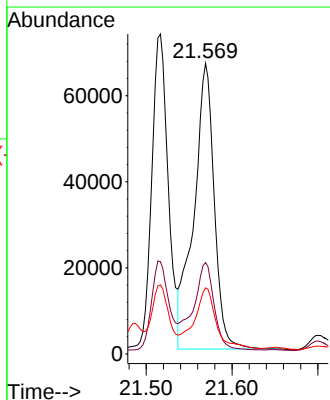
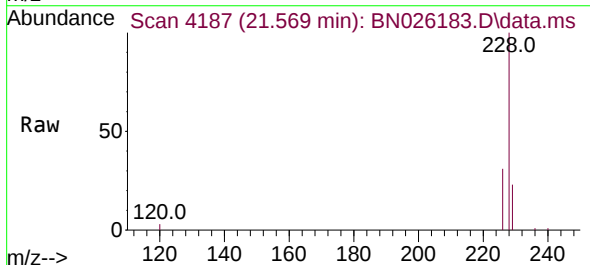
Manual Integrations  
APPROVED

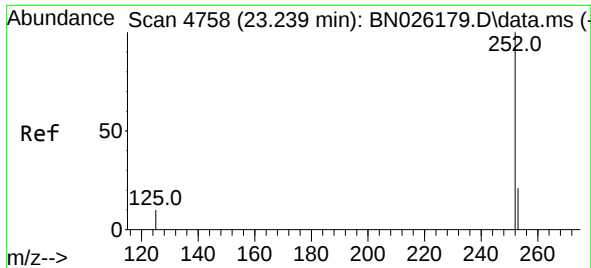
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#22  
Chrysene  
Concen: 1.467 ng/ul  
RT: 21.569 min Scan# 4187  
Delta R.T. -0.010 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

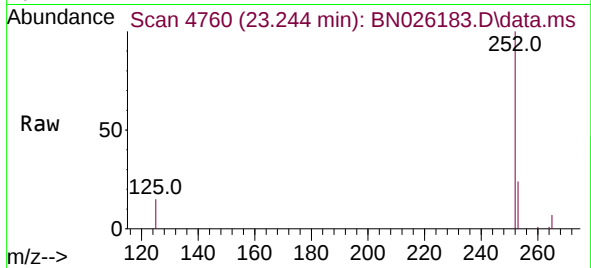
Tgt Ion:228 Resp: 109859  
Ion Ratio Lower Upper  
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226 31.4 24.8 37.2  
229 22.7 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 2.030 ng/ul m  
RT: 23.244 min Scan# 4760  
Delta R.T. 0.001 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29

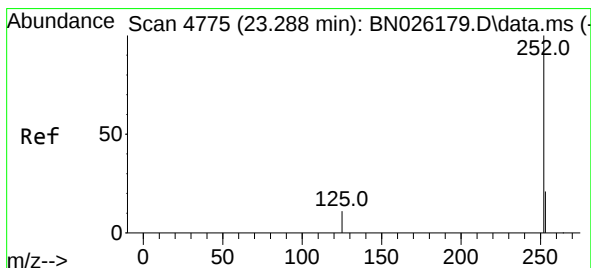
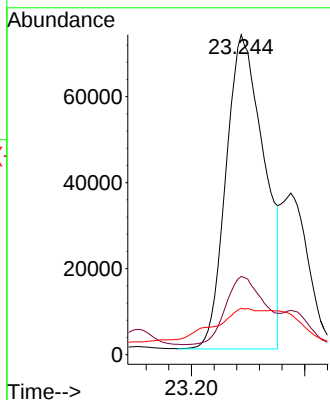
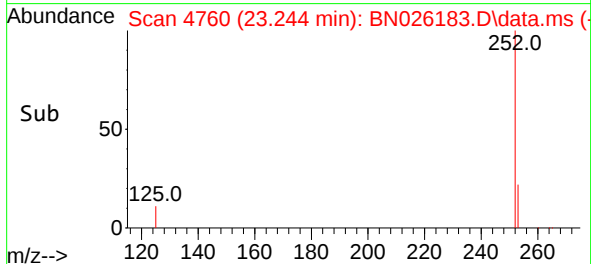
Instrument :  
BNA\_N  
ClientSampleId :  
DCGL1



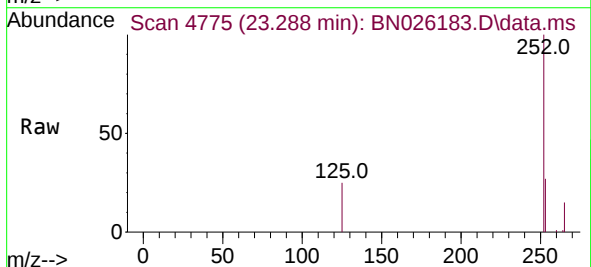
Tgt Ion:252 Resp: 17136  
Ion Ratio Lower Upper  
252 100  
253 24.4 0.0 55.6  
125 14.5 0.0 35.8

Manual Integrations  
APPROVED

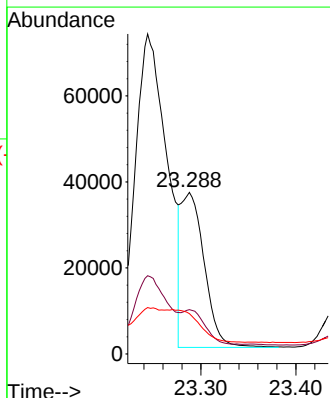
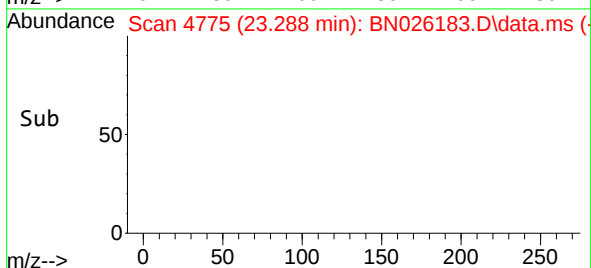
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

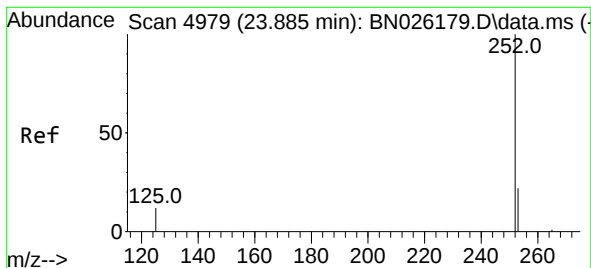


#25  
Benzo(k)fluoranthene  
Concen: 0.721 ng/ul m  
RT: 23.288 min Scan# 4775  
Delta R.T. -0.004 min  
Lab File: BN026183.D  
Acq: 02 Jul 2023 11:29



Tgt Ion:252 Resp: 61112  
Ion Ratio Lower Upper  
252 100  
253 27.4 23.2 34.8  
125 24.9 15.0 22.4#





#26

Benzo(a)pyrene

Concen: 1.378 ng/ul

RT: 23.890 min Scan# 4981

Delta R.T. 0.004 min

Lab File: BN026183.D

Acq: 02 Jul 2023 11:29

Instrument :

BN026183.D

ClientSampleId :

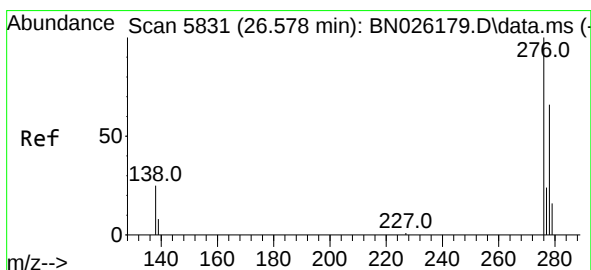
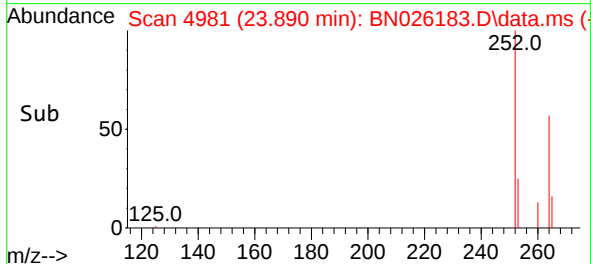
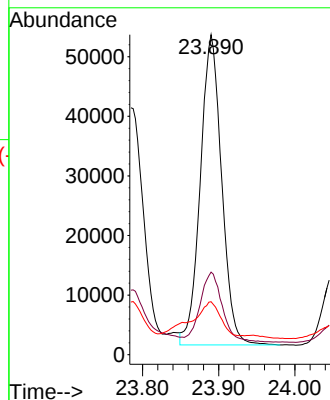
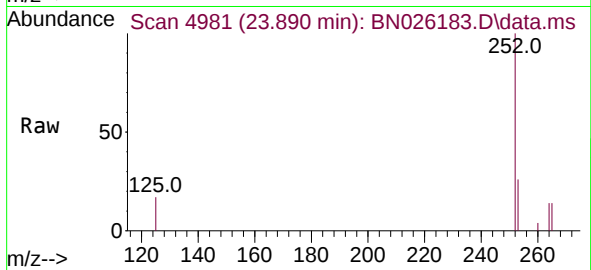
DCGL1

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 10103 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 25.8  | 26.0  | 39.0  |
| 125       | 16.6  | 17.3  | 25.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.114 ng/ul

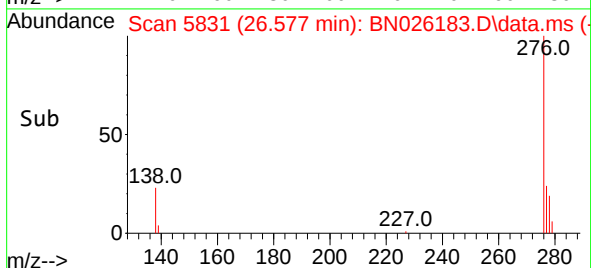
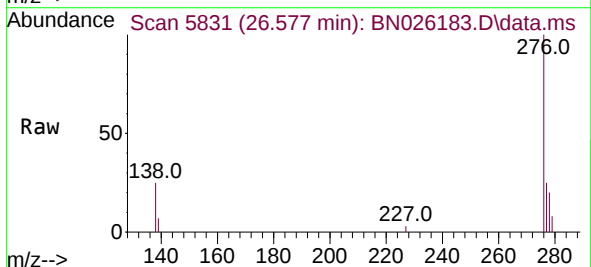
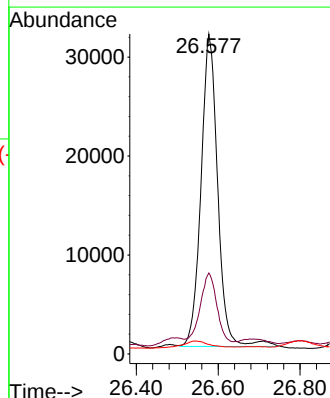
RT: 26.577 min Scan# 5831

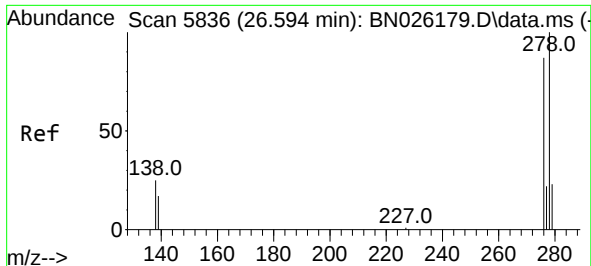
Delta R.T. 0.019 min

Lab File: BN026183.D

Acq: 02 Jul 2023 11:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 89178 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 23.8  | 24.5  | 36.7  |
| 227       | 0.0   | 0.0   | 0.0   |





#28

Dibenzo(a,h)anthracene

Concen: 0.354 ng/ul

RT: 26.584 min Scan# 5836

Delta R.T. 0.005 min

Lab File: BN026183.D

Acq: 02 Jul 2023 11:29

Instrument :

BNA\_N

ClientSampleId :

DCGL1

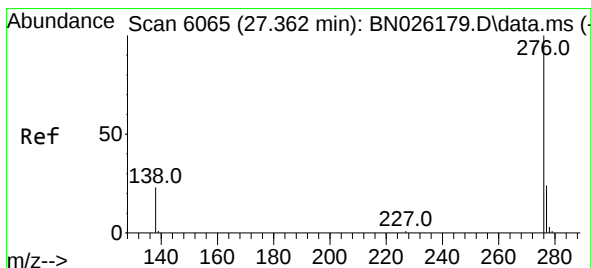
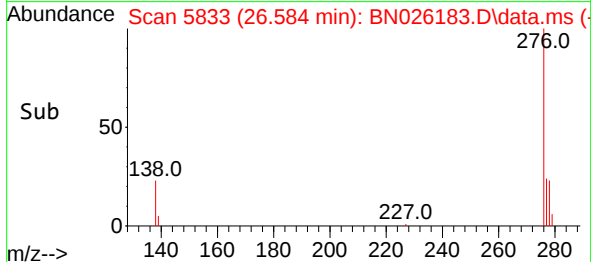
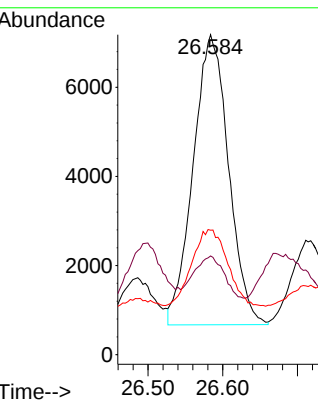
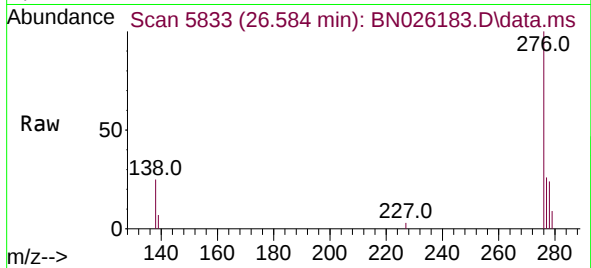
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:278 | Resp: | 2144      |
| Ion Ratio   | Lower | Upper     |
| 278         | 100   |           |
| 139         | 30.9  | 19.0 28.4 |
| 279         | 38.9  | 26.7 40.1 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/04/2023

Supervised By :Sohil Jodhani 07/04/2023



#29

Benzo(g,h,i)perylene

Concen: 1.094 ng/ul

RT: 27.378 min Scan# 6070

Delta R.T. 0.032 min

Lab File: BN026183.D

Acq: 02 Jul 2023 11:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 77916     |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 27.4  | 23.4 35.0 |
| 277         | 24.9  | 20.0 30.0 |

