

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026223.D  
 Acq On : 03 Jul 2023 13:08  
 Operator : MA/JU  
 Sample : 03246-06  
 Misc :  
 ALS Vial : 80 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGJ3

Manual Integrations  
 APPROVED

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

Quant Time: Jul 03 23:21:35 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   | 7.951  | 152  | 8109     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.765 | 136  | 25247    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.598 | 164  | 15600    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.347 | 188  | 32094    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.541 | 240  | 18439    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.996 | 264  | 19545    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 23824    | 2.609 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.354 | 152  | 7300     | 0.188 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.377 | 212  | 15013    | 0.214 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.814 | 128  | 28863    | 0.399 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.425 | 142  | 21891    | 0.475 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.645 | 142  | 15105    | 0.316 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.316 | 152  | 23450    | 0.321 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.658 | 153  | 4938     | 0.083 | ng/ul  | 97       |
| 12) Fluorene                | 15.643 | 166  | 5156     | 0.075 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.385 | 178  | 157014   | 1.481 | ng/ul  | 99       |
| 16) Anthracene              | 17.478 | 178  | 34611    | 0.367 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.405 | 202  | 377757   | 3.836 | ng/ul  | 98       |
| 20) Pyrene                  | 19.768 | 202  | 316397   | 3.089 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.523 | 228  | 168439   | 2.214 | ng/ul  | 96       |
| 22) Chrysene                | 21.576 | 228  | 197009   | 2.489 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.250 | 252  | 279400m  | 3.349 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.288 | 252  | 99721m   | 1.190 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.891 | 252  | 176768   | 2.440 | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.568 | 276  | 148825   | 1.881 | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.571 | 278  | 37111    | 0.620 | ng/ul# | 92       |
| 29) Benzo(g,h,i)perylene    | 27.362 | 276  | 139615   | 1.983 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

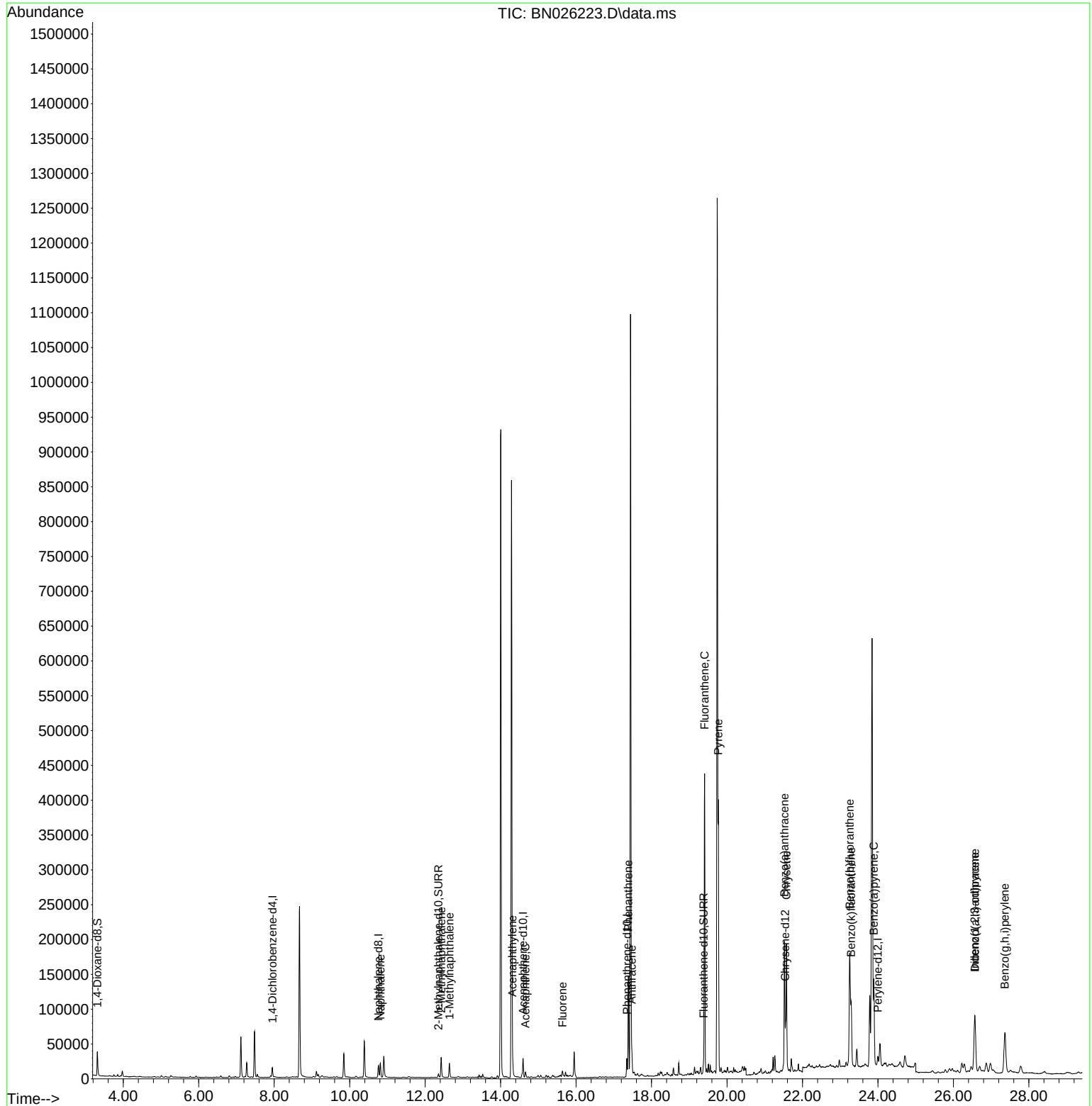
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026223.D  
Acq On : 03 Jul 2023 13:08  
Operator : MA/JU  
Sample : 03246-06  
Misc :  
ALS Vial : 80 Sample Multiplier: 1

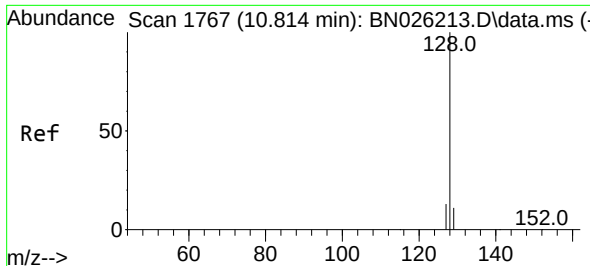
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3

Manual Integrations  
APPROVED

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

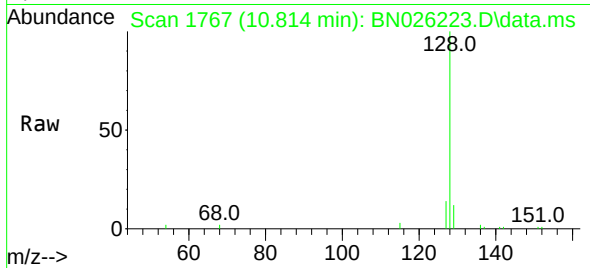
Quant Time: Jul 03 23:21:35 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 01 01:46:24 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.399 ng/ul  
RT: 10.814 min Scan# 1767  
Delta R.T. -0.011 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

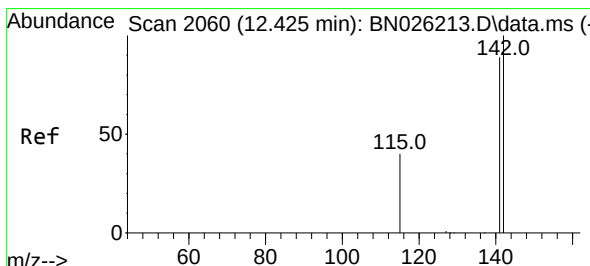
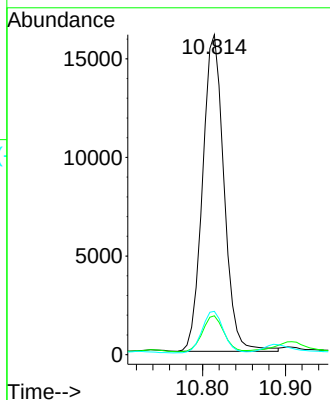
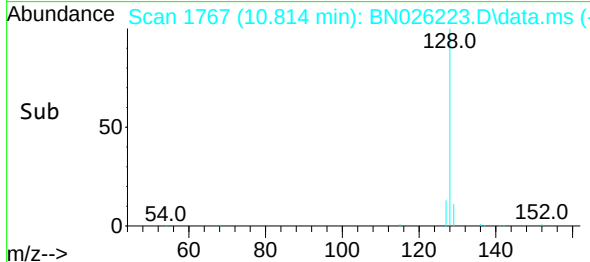
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



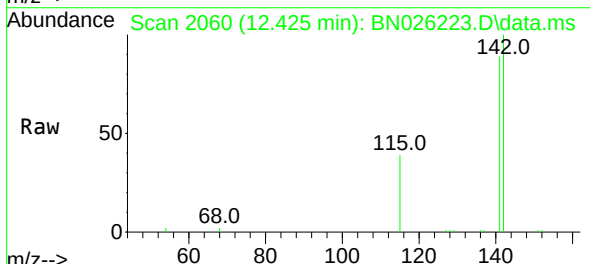
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Ion Ratio Lower Upper  
128 100  
129 12.2 9.1 13.7  
127 13.6 10.7 16.1

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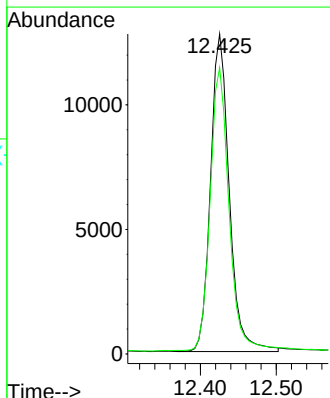
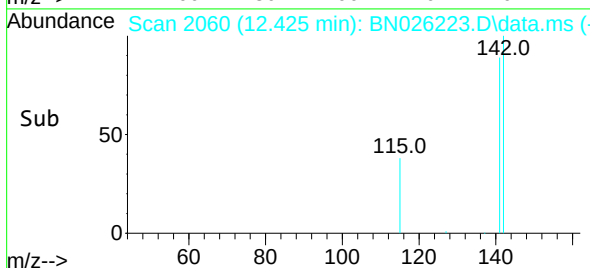
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

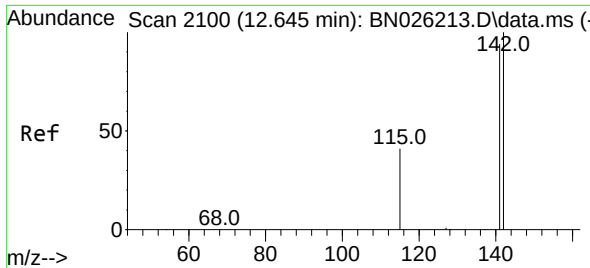


#7  
2-Methylnaphthalene  
Concen: 0.475 ng/ul  
RT: 12.425 min Scan# 2060  
Delta R.T. -0.011 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08



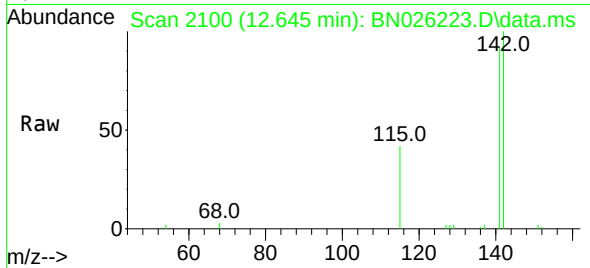
Tgt Ion:142 Resp: 21891  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.316 ng/ul  
RT: 12.645 min Scan# 2100  
Delta R.T. -0.005 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

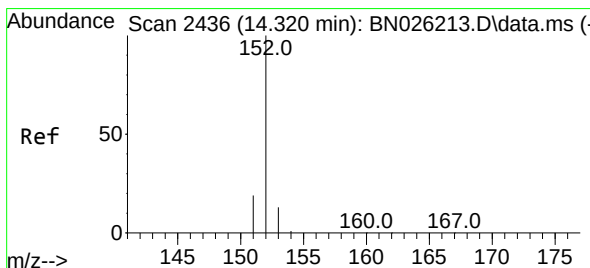
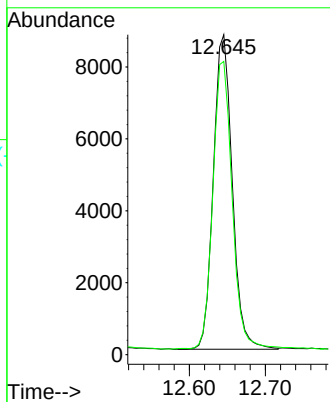
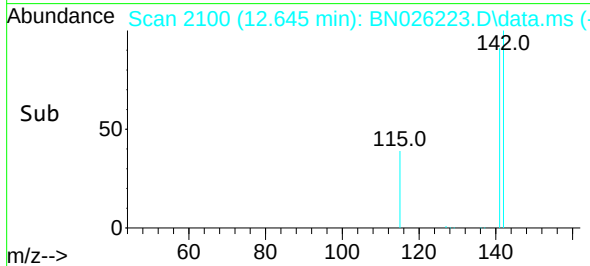
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



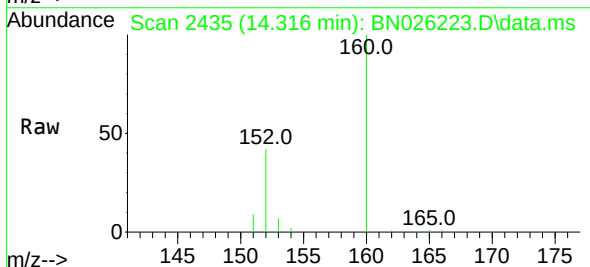
Tgt Ion:142 Resp: 1510  
Ion Ratio Lower Upper  
142 100  
141 93.2 74.2 111.4

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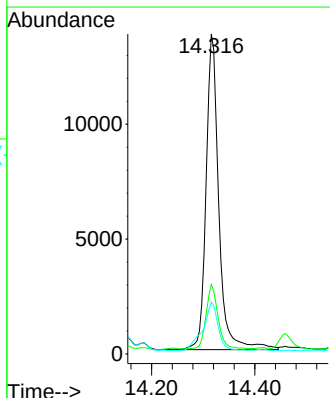
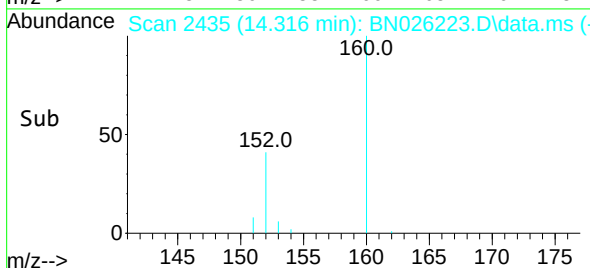
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

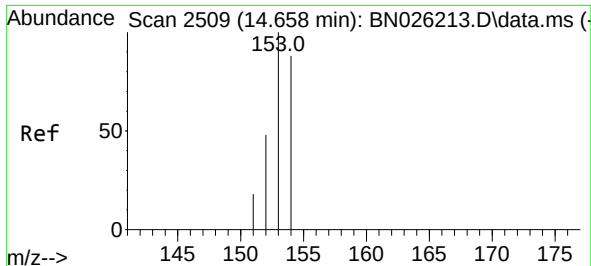


#10  
Acenaphthylene  
Concen: 0.321 ng/ul  
RT: 14.316 min Scan# 2435  
Delta R.T. -0.010 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08



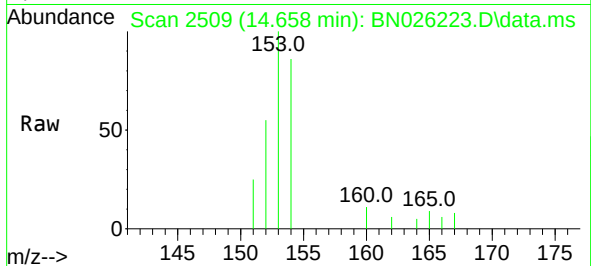
Tgt Ion:152 Resp: 23450  
Ion Ratio Lower Upper  
152 100  
151 21.7 16.2 24.4  
153 16.1 10.9 16.3





#11  
Acenaphthene  
Concen: 0.083 ng/u1  
RT: 14.658 min Scan# 2509  
Delta R.T. -0.010 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

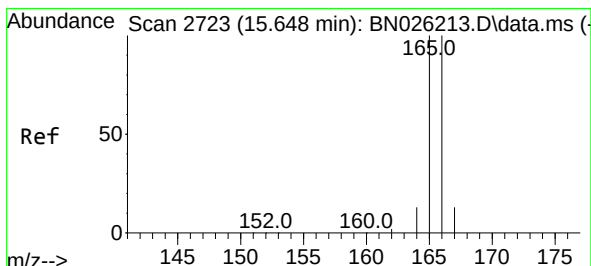
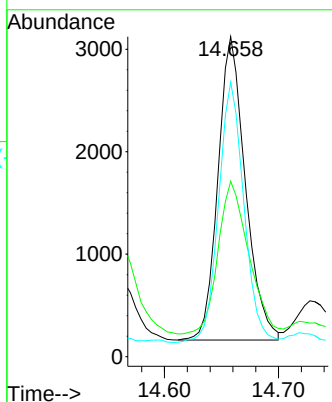
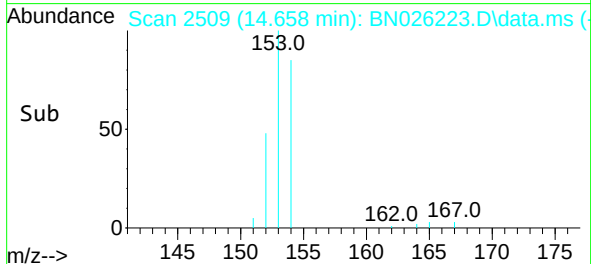
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



Tgt Ion:153 Resp: 4938  
Ion Ratio Lower Upper  
153 100  
152 54.8 39.4 59.0  
154 85.8 68.9 103.3

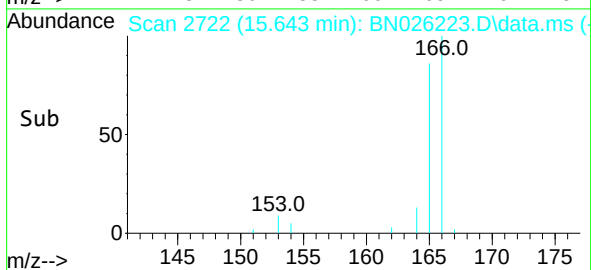
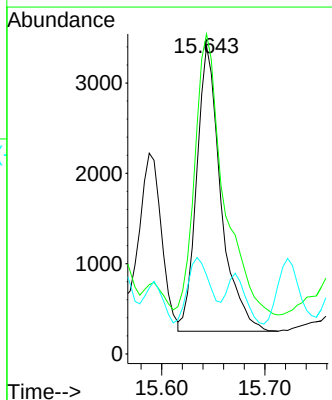
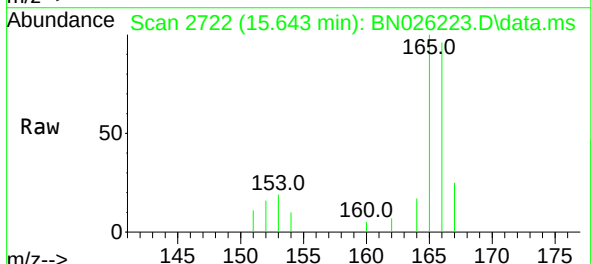
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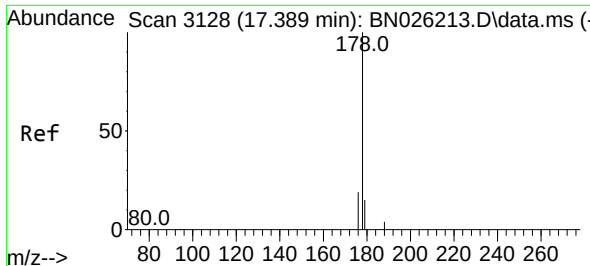
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#12  
Fluorene  
Concen: 0.075 ng/u1  
RT: 15.643 min Scan# 2722  
Delta R.T. -0.010 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

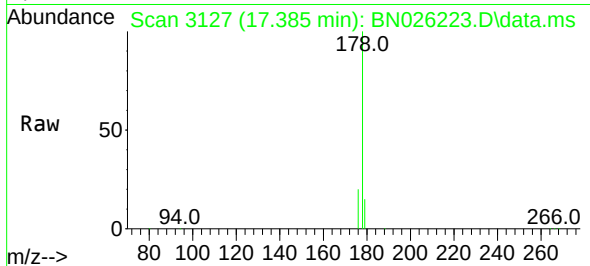
Tgt Ion:166 Resp: 5156  
Ion Ratio Lower Upper  
166 100  
165 103.9 79.9 119.9  
167 25.6 10.8 16.2#





#15  
Phenanthrene  
Concen: 1.481 ng/ul  
RT: 17.385 min Scan# 3127  
Delta R.T. -0.009 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

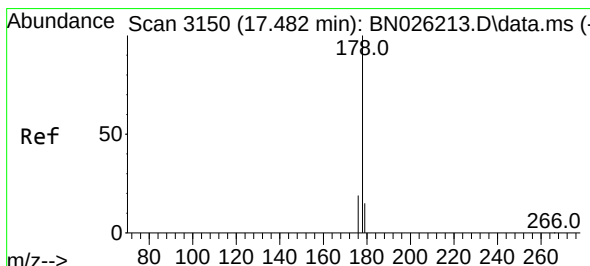
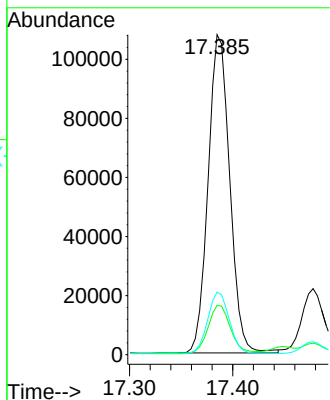
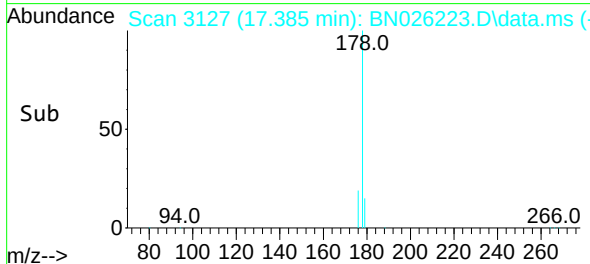
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



Tgt Ion:178 Resp: 157014  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 19.0  
176 19.6 15.8 23.6

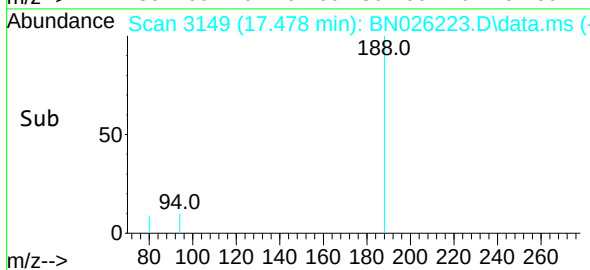
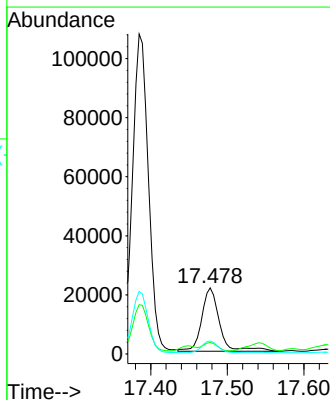
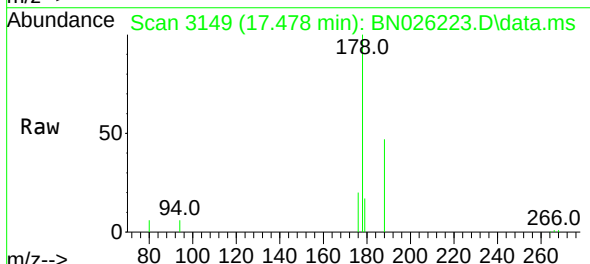
Manual Integrations  
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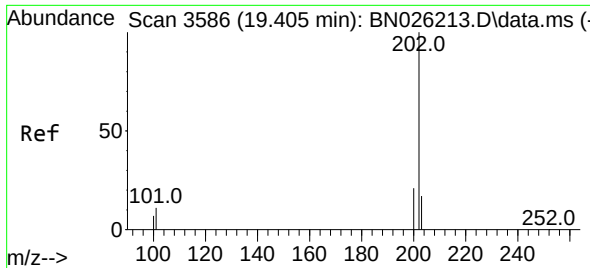
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#16  
Anthracene  
Concen: 0.367 ng/ul  
RT: 17.478 min Scan# 3149  
Delta R.T. -0.009 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

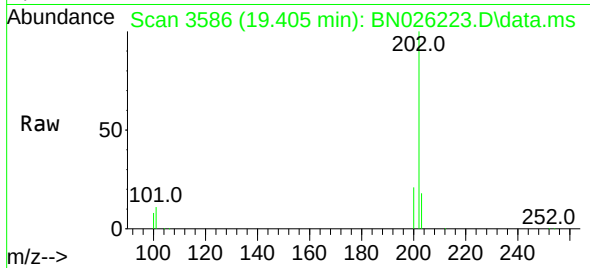
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Ion Ratio Lower Upper  
178 100  
179 17.4 12.6 18.8  
176 19.6 15.1 22.7





#19  
Fluoranthene  
Concen: 3.836 ng/u1  
RT: 19.405 min Scan# 3586  
Delta R.T. -0.005 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

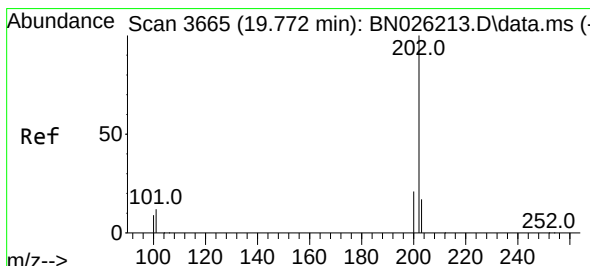
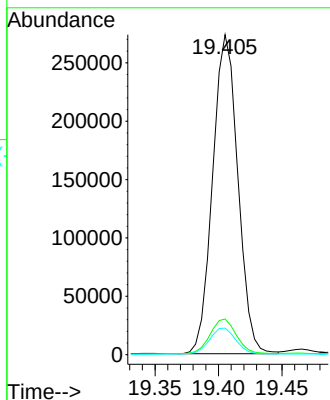
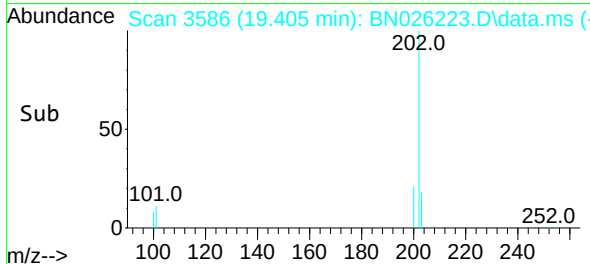
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



Tgt Ion:202 Resp: 37775  
Ion Ratio Lower Upper  
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101 11.2 9.5 14.3  
100 8.3 7.3 10.9

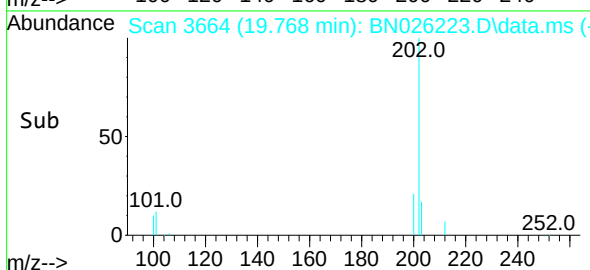
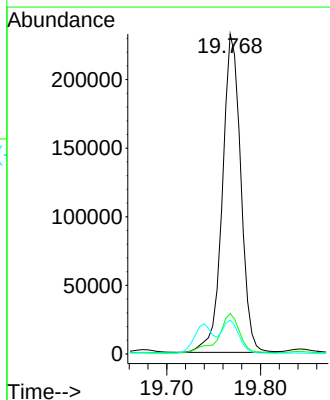
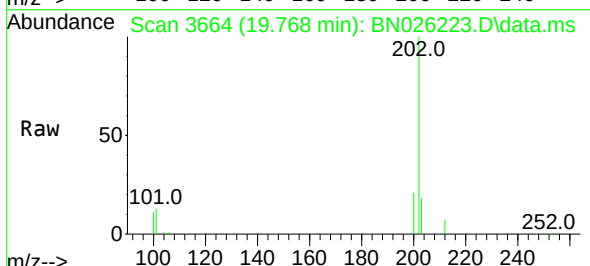
Manual Integrations  
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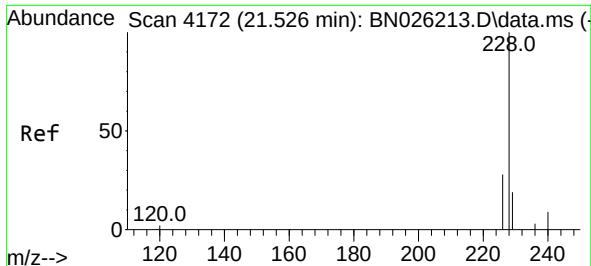
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#20  
Pyrene  
Concen: 3.089 ng/u1  
RT: 19.768 min Scan# 3664  
Delta R.T. -0.005 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

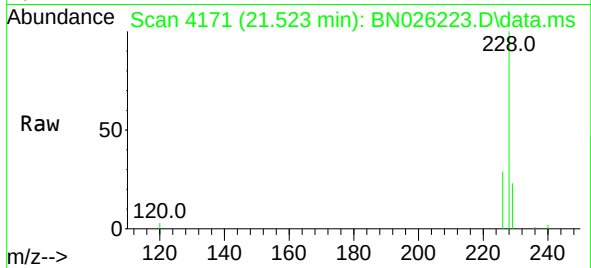
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Ion Ratio Lower Upper  
202 100  
101 12.6 11.4 17.0  
100 10.6 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 2.214 ng/ul  
RT: 21.523 min Scan# 4172  
Delta R.T. -0.004 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

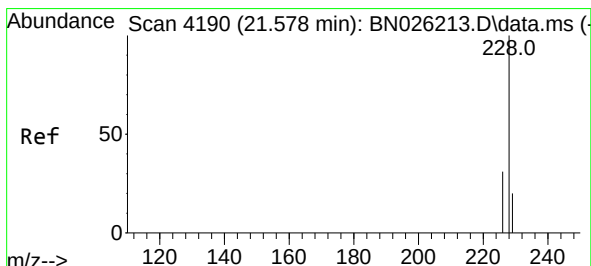
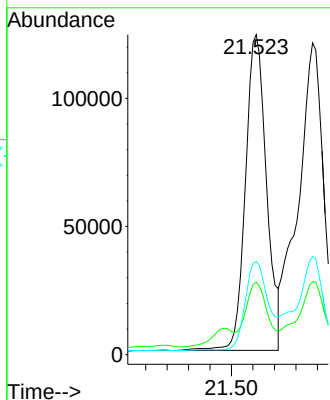
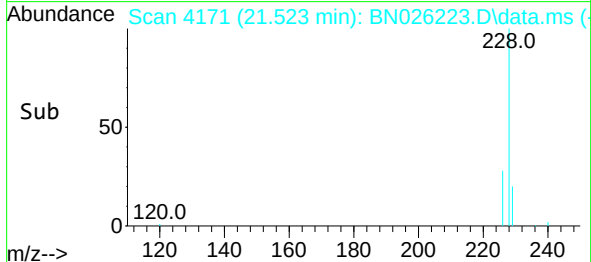
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



Tgt Ion:228 Resp: 168439  
Ion Ratio Lower Upper  
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229 22.7 15.8 23.6  
226 29.2 22.5 33.7

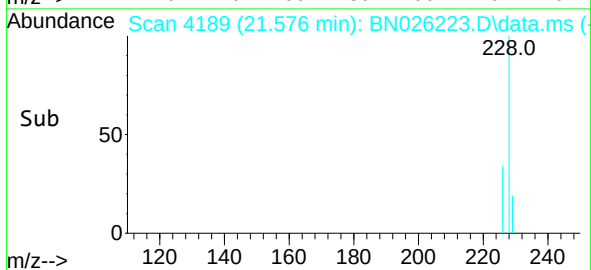
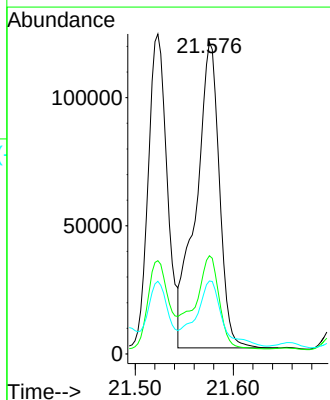
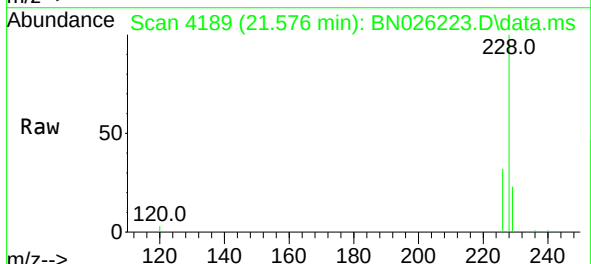
Manual Integrations  
APPROVED

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

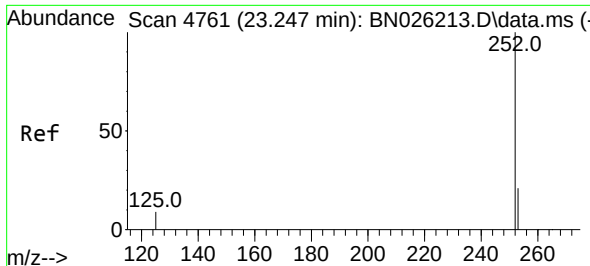


#22  
Chrysene  
Concen: 2.489 ng/ul  
RT: 21.576 min Scan# 4189  
Delta R.T. -0.004 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

Tgt Ion:228 Resp: 197009  
Ion Ratio Lower Upper  
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229 23.4 15.7 23.5

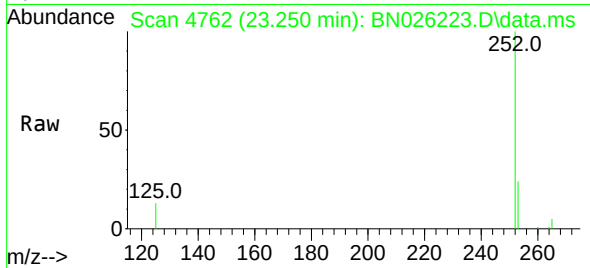






#24  
Benzo(b)fluoranthene  
Concen: 3.349 ng/ul m  
RT: 23.250 min Scan# 4762  
Delta R.T. 0.008 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

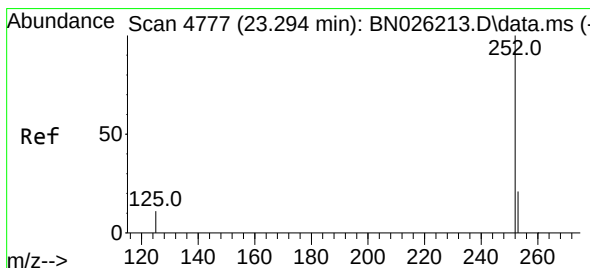
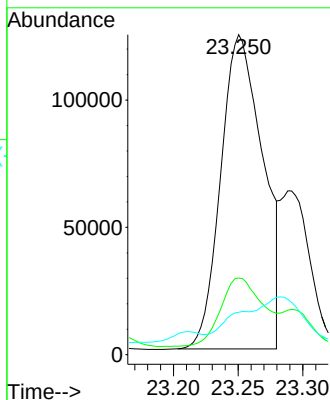
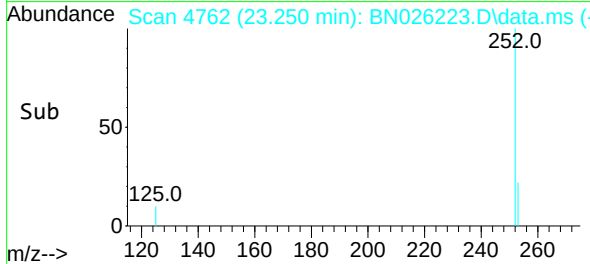
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



Tgt Ion:252 Resp: 279400  
Ion Ratio Lower Upper  
252 100  
253 23.9 0.0 55.6  
125 13.3 0.0 35.8

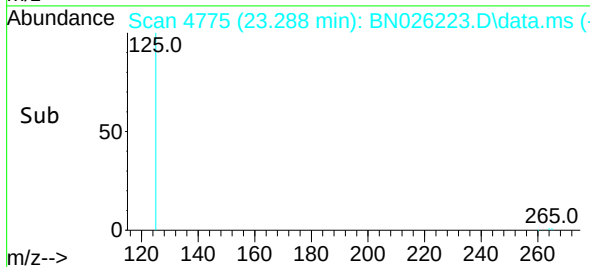
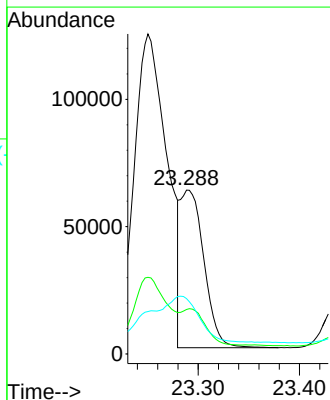
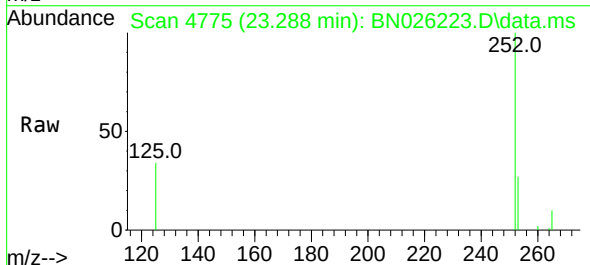
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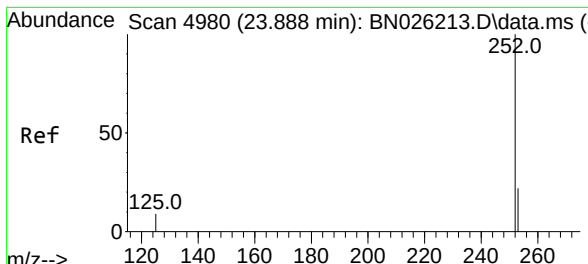
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#25  
Benzo(k)fluoranthene  
Concen: 1.190 ng/ul m  
RT: 23.288 min Scan# 4775  
Delta R.T. -0.004 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

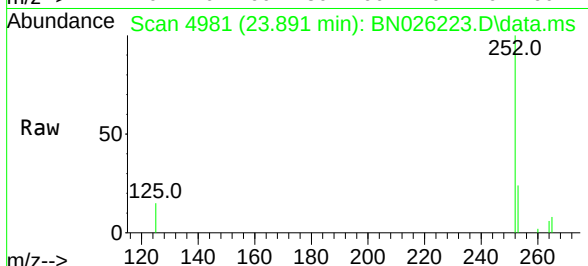
Tgt Ion:252 Resp: 99721  
Ion Ratio Lower Upper  
252 100  
253 27.1 23.2 34.8  
125 33.8 15.0 22.4#





#26  
Benzo(a)pyrene  
Concen: 2.440 ng/ul  
RT: 23.891 min Scan# 4981  
Delta R.T. 0.005 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

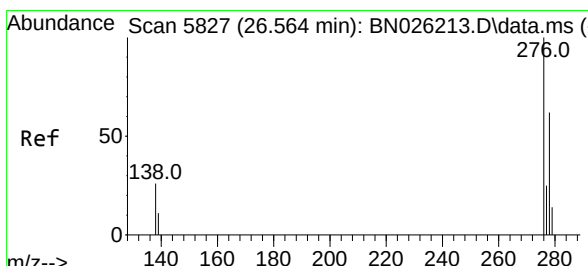
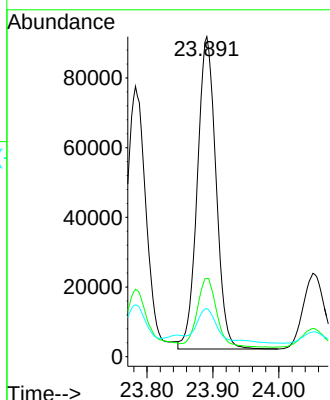
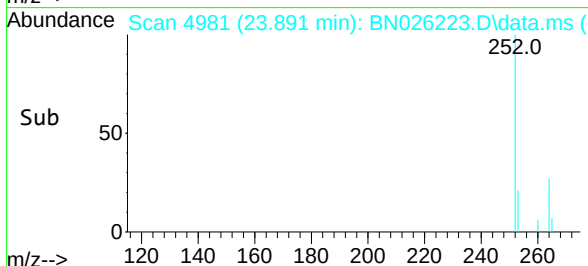
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



Tgt Ion:252 Resp: 176768  
Ion Ratio Lower Upper  
252 100  
253 24.5 26.0 39.0  
125 15.0 17.3 25.9

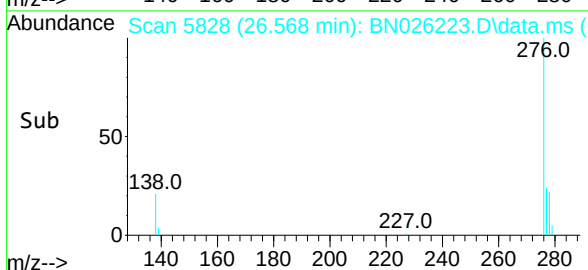
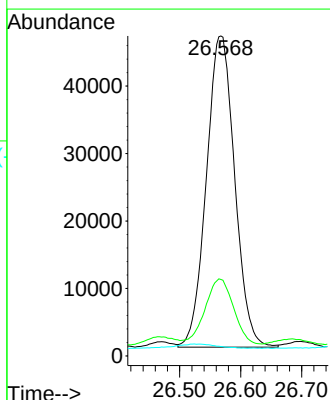
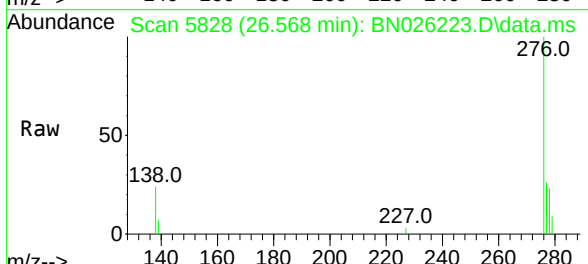
Manual Integrations  
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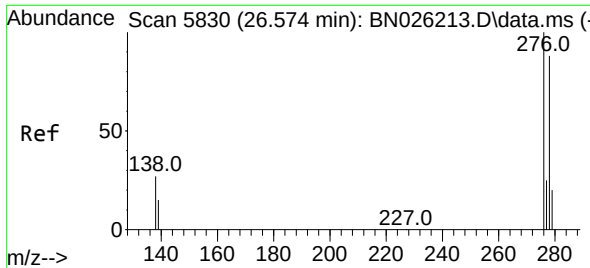
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.881 ng/ul  
RT: 26.568 min Scan# 5828  
Delta R.T. 0.009 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

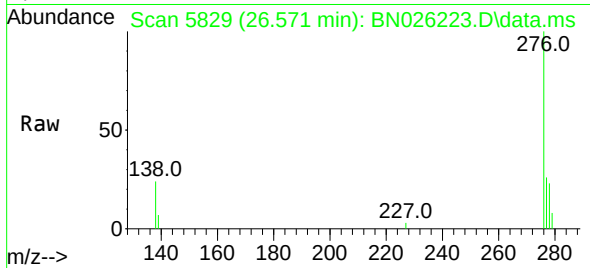
Tgt Ion:276 Resp: 148825  
Ion Ratio Lower Upper  
276 100  
138 21.4 24.5 36.7  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.620 ng/ul  
RT: 26.571 min Scan# 5829  
Delta R.T. -0.007 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08

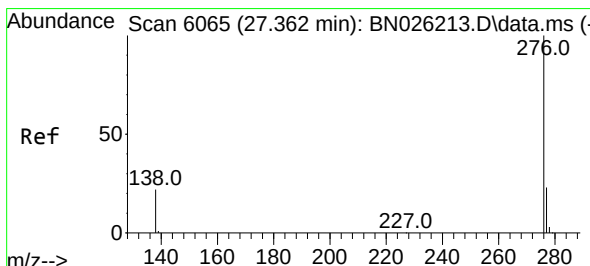
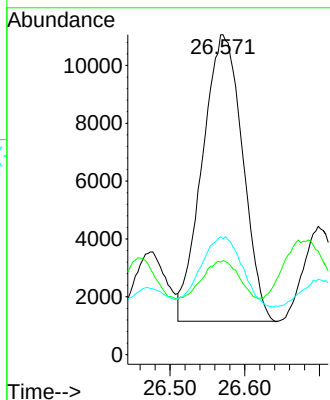
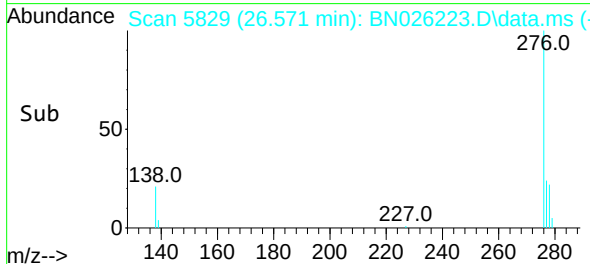
Instrument :  
BNA\_N  
ClientSampleId :  
DCGJ3



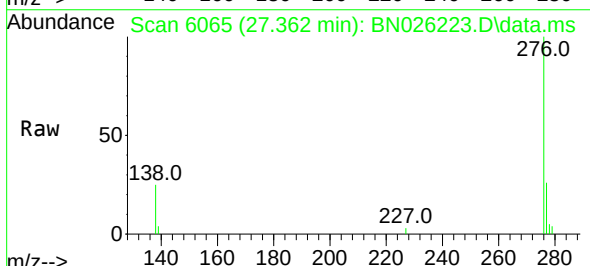
Tgt Ion:278 Resp: 3711  
Ion Ratio Lower Upper  
278 100  
139 29.4 19.0 28.4  
279 36.2 26.7 40.1

Manual Integrations  
APPROVED

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



#29  
Benzo(g,h,i)perylene  
Concen: 1.983 ng/ul  
RT: 27.362 min Scan# 6065  
Delta R.T. 0.016 min  
Lab File: BN026223.D  
Acq: 03 Jul 2023 13:08



Tgt Ion:276 Resp: 139615  
Ion Ratio Lower Upper  
276 100  
138 24.7 23.4 35.0  
277 25.5 20.0 30.0

