

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026220.D  
 Acq On : 03 Jul 2023 11:15  
 Operator : MA/JU  
 Sample : 03246-01  
 Misc :  
 ALS Vial : 77 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGA8

Manual Integrations  
 APPROVED

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

Quant Time: Jul 03 23:20:55 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  | 10128    | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.763 | 136  | 31823    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.593 | 164  | 19099    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.342 | 188  | 38967    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.537 | 240  | 21519    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.995 | 264  | 21529    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 14285    | 1.252 | ng/ul  | -0.01    |
| 6) 2-Methylnaphthalene-d10  | 12.353 | 152  | 6767     | 0.138 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.372 | 212  | 16148    | 0.197 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.813 | 128  | 11971    | 0.131 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.424 | 142  | 7088     | 0.122 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.644 | 142  | 5382     | 0.089 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.315 | 152  | 26879    | 0.301 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.658 | 153  | 5178     | 0.071 | ng/ul  | 97       |
| 12) Fluorene                | 15.643 | 166  | 5092     | 0.061 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.384 | 178  | 166056   | 1.290 | ng/ul  | 100      |
| 16) Anthracene              | 17.477 | 178  | 34952    | 0.306 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.404 | 202  | 492250   | 4.283 | ng/ul  | 97       |
| 20) Pyrene                  | 19.767 | 202  | 397401   | 3.324 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.522 | 228  | 181751   | 2.047 | ng/ul  | 97       |
| 22) Chrysene                | 21.572 | 228  | 227684   | 2.465 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.250 | 252  | 350940m  | 3.819 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.288 | 252  | 117743m  | 1.276 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.887 | 252  | 216806   | 2.717 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.567 | 276  | 187387   | 2.150 | ng/ul# | 83       |
| 28) Dibenzo(a,h)anthracene  | 26.573 | 278  | 44725    | 0.678 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.365 | 276  | 173275   | 2.234 | ng/ul  | 95       |
| -----                       |        |      |          |       |        |          |

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

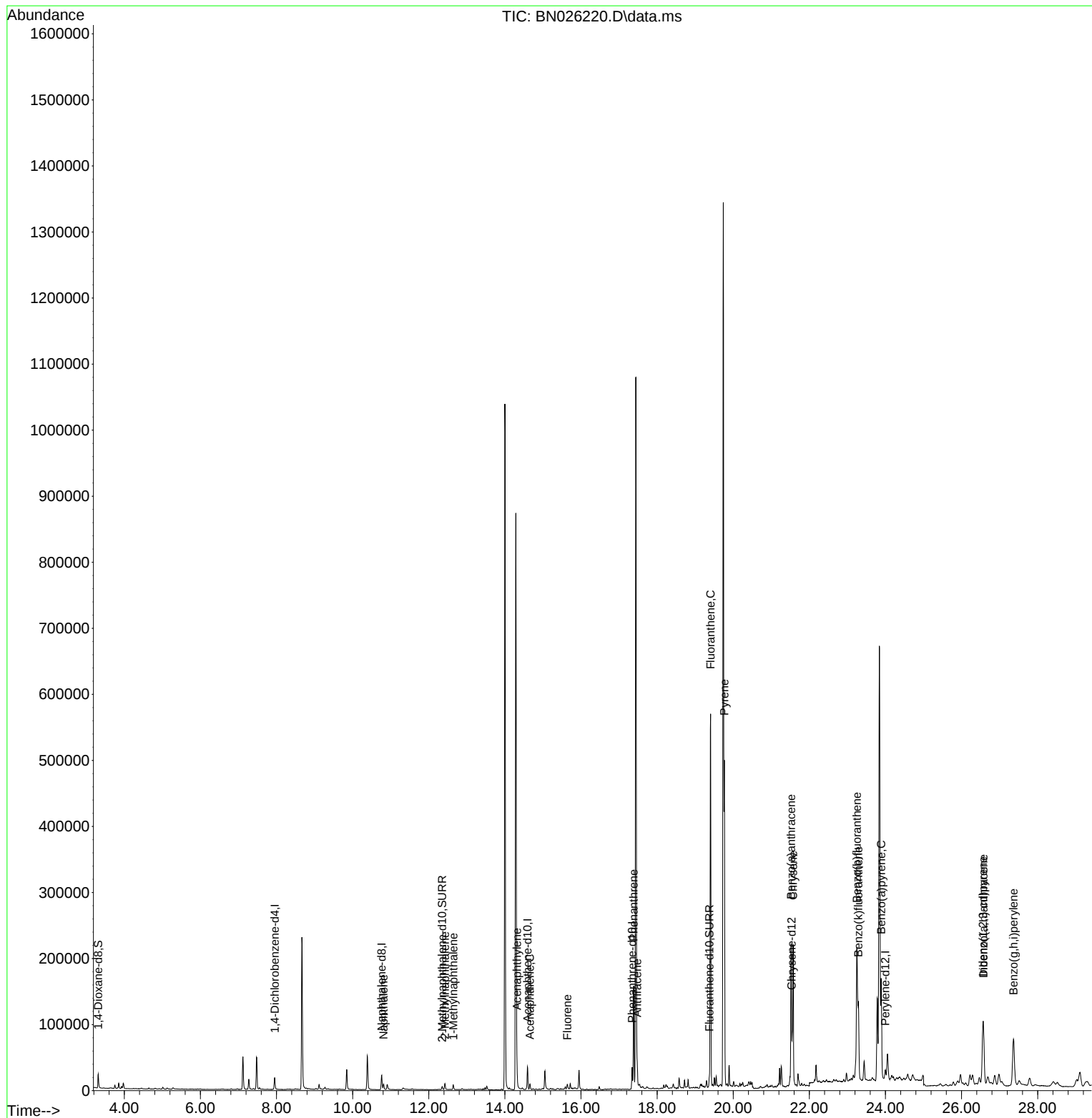
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026220.D  
Acq On : 03 Jul 2023 11:15  
Operator : MA/JU  
Sample : 03246-01  
Misc :  
ALS Vial : 77 Sample Multiplier: 1

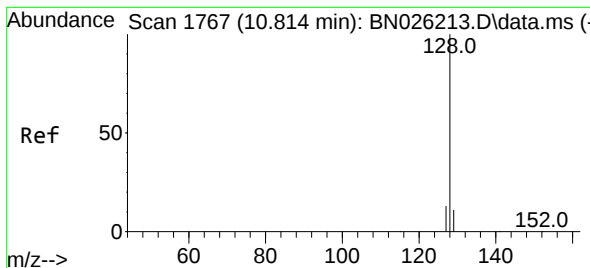
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8

Quant Time: Jul 03 23:20:55 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

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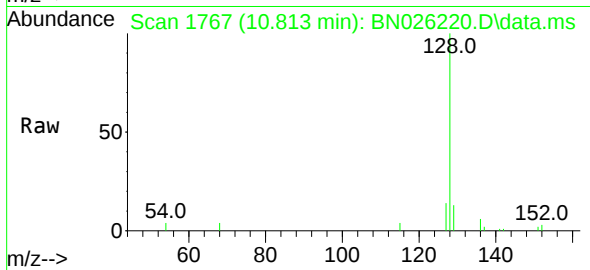
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023





#5  
Naphthalene  
Concen: 0.131 ng/ul  
RT: 10.813 min Scan# 1767  
Delta R.T. -0.012 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

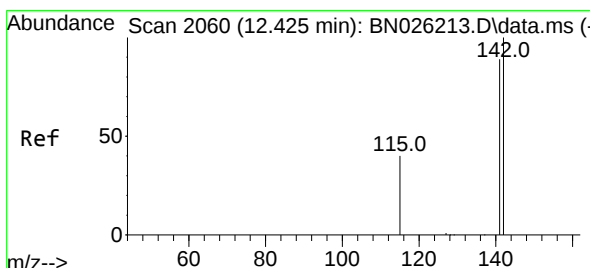
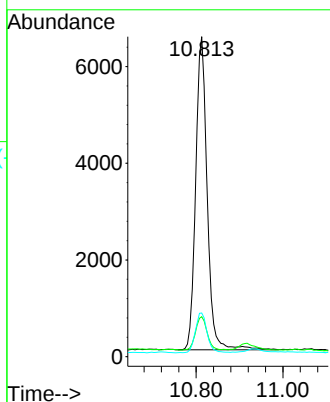
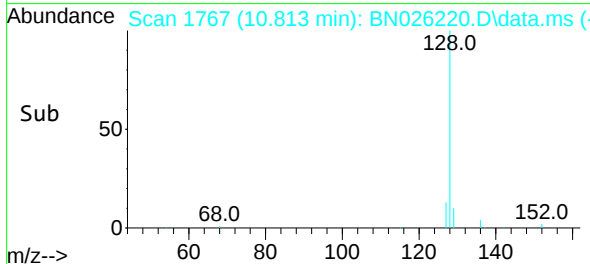
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



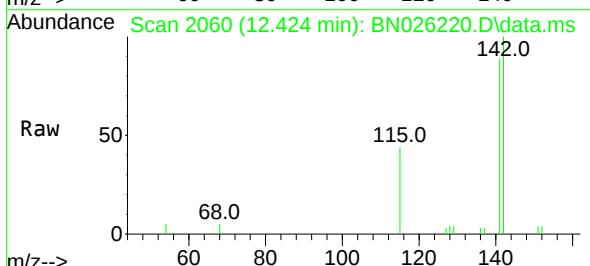
Tgt Ion:128 Resp: 1197  
Ion Ratio Lower Upper  
128 100  
129 12.5 9.1 13.7  
127 13.7 10.7 16.1

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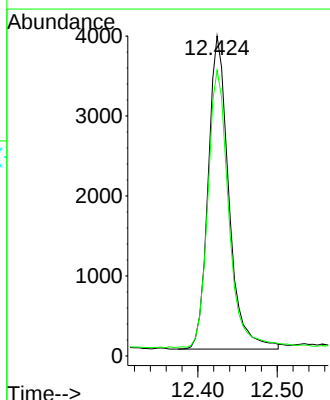
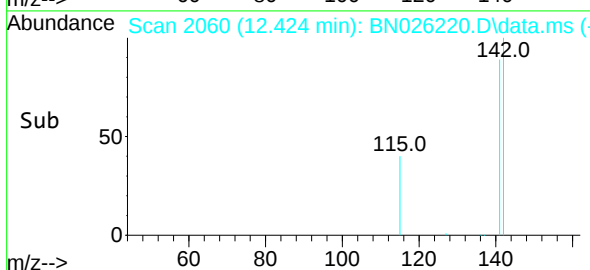
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

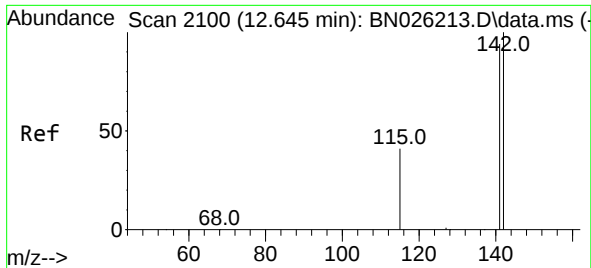


#7  
2-Methylnaphthalene  
Concen: 0.122 ng/ul  
RT: 12.424 min Scan# 2060  
Delta R.T. -0.012 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15



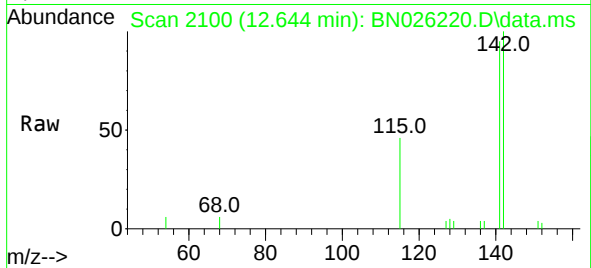
Tgt Ion:142 Resp: 7088  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.089 ng/ul  
RT: 12.644 min Scan# 2100  
Delta R.T. -0.007 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

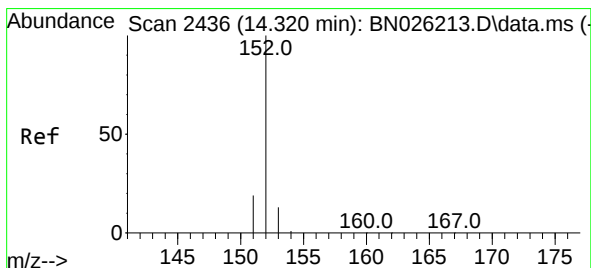
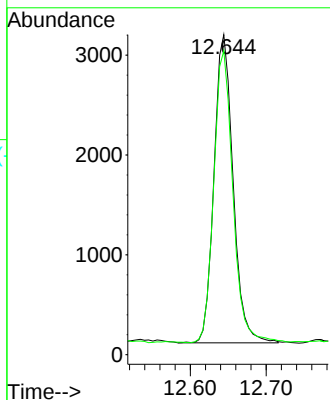
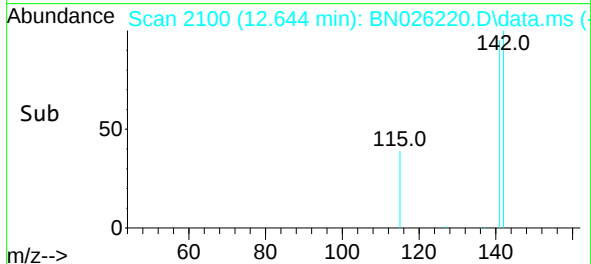
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



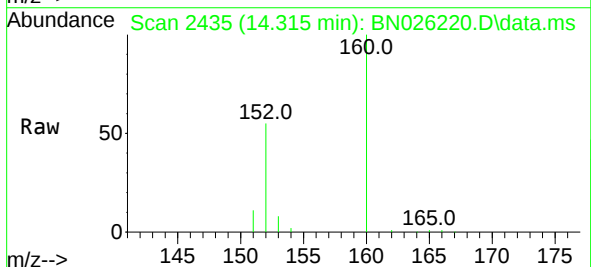
Tgt Ion:142 Resp: 538  
Ion Ratio Lower Upper  
142 100  
141 94.9 74.2 111.4

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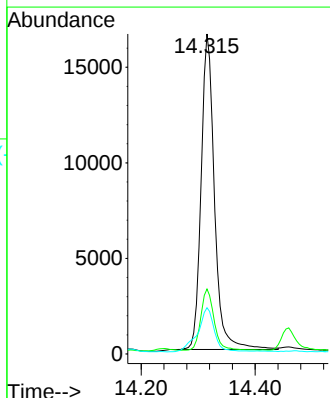
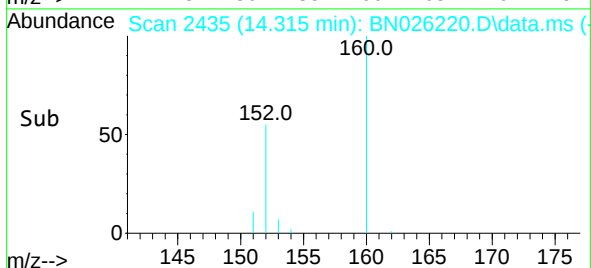
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

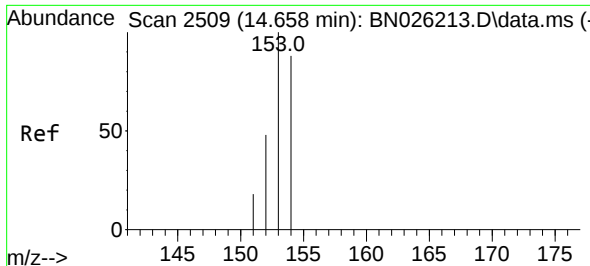


#10  
Acenaphthylene  
Concen: 0.301 ng/ul  
RT: 14.315 min Scan# 2435  
Delta R.T. -0.010 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15



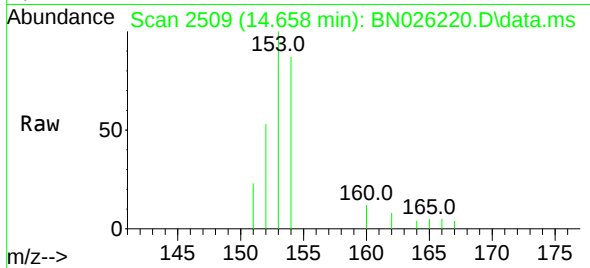
Tgt Ion:152 Resp: 26879  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.4  
153 14.5 10.9 16.3





#11  
Acenaphthene  
Concen: 0.071 ng/ul  
RT: 14.658 min Scan# 2509  
Delta R.T. -0.010 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

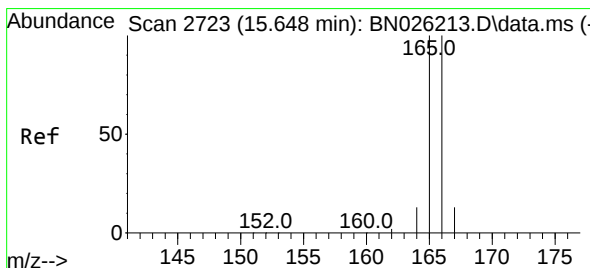
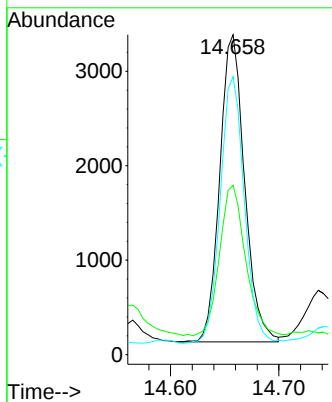
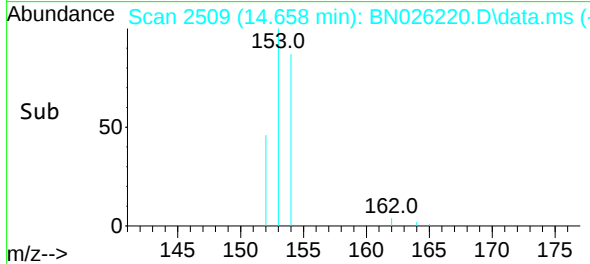
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



Tgt Ion:153 Resp: 5178  
Ion Ratio Lower Upper  
153 100  
152 52.9 39.4 59.0  
154 86.9 68.9 103.3

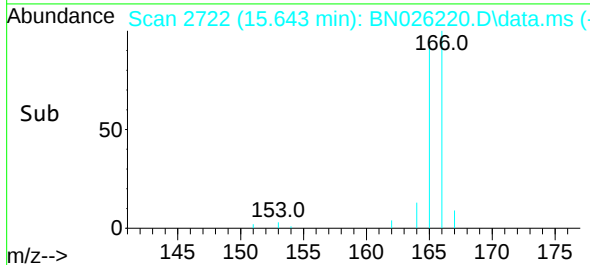
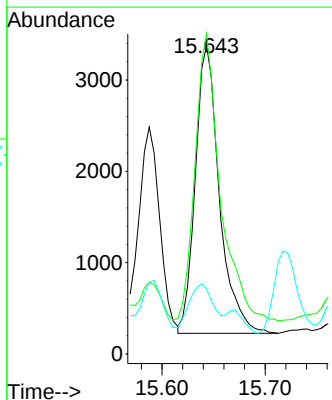
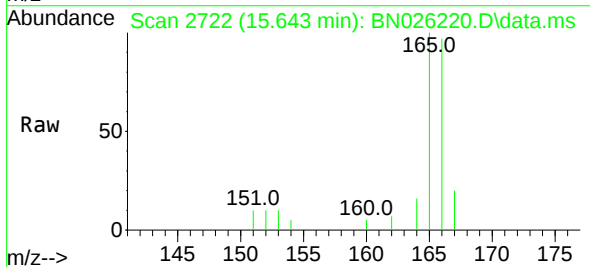
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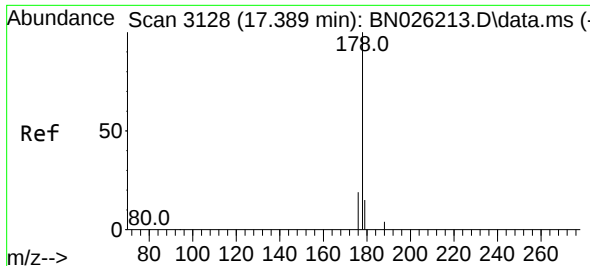
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#12  
Fluorene  
Concen: 0.061 ng/ul  
RT: 15.643 min Scan# 2722  
Delta R.T. -0.010 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

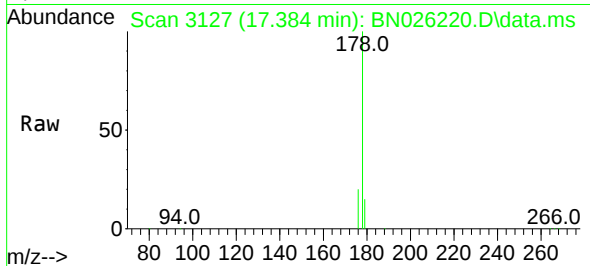
Tgt Ion:166 Resp: 5092  
Ion Ratio Lower Upper  
166 100  
165 103.6 79.9 119.9  
167 21.0 10.8 16.2#





#15  
Phenanthrene  
Concen: 1.290 ng/ul  
RT: 17.384 min Scan# 3127  
Delta R.T. -0.010 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

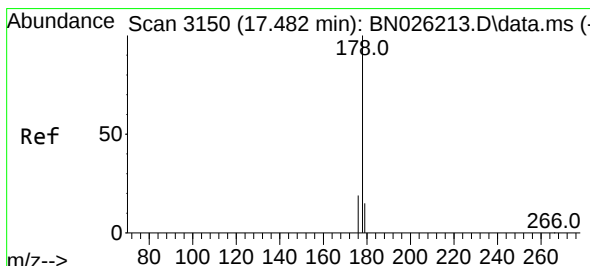
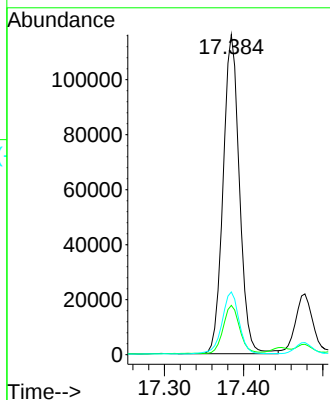
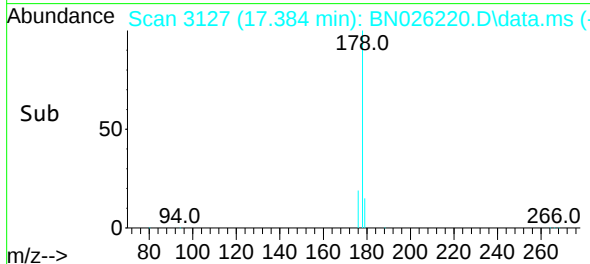
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



Tgt Ion:178 Resp: 166050  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 19.0  
176 19.6 15.8 23.6

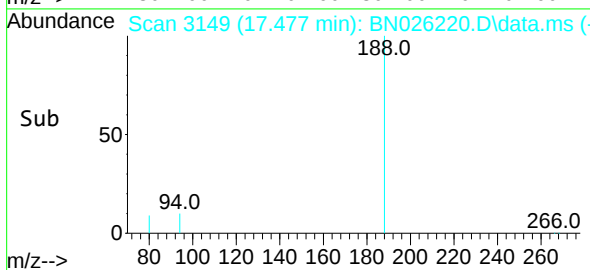
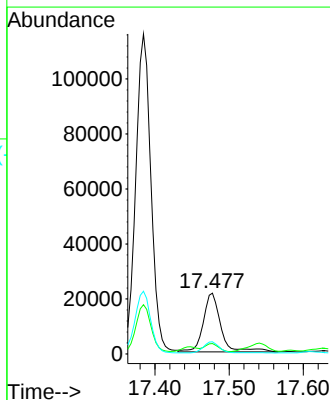
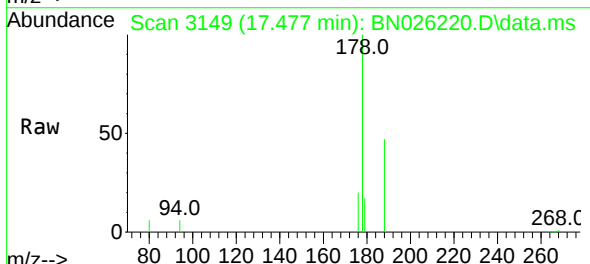
Manual Integrations  
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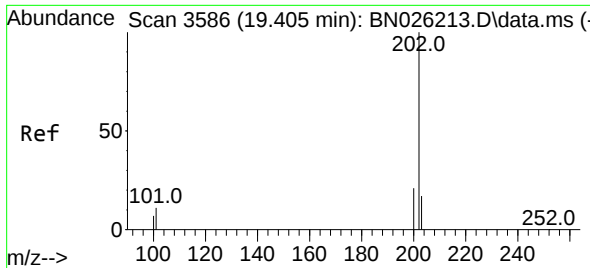
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#16  
Anthracene  
Concen: 0.306 ng/ul  
RT: 17.477 min Scan# 3149  
Delta R.T. -0.010 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

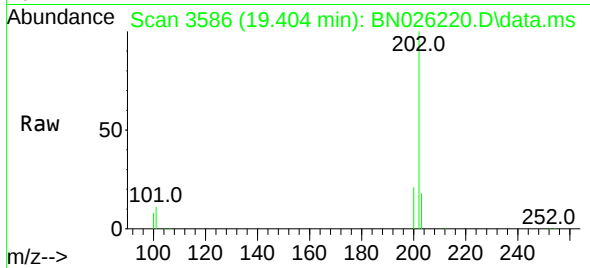
Tgt Ion:178 Resp: 34952  
Ion Ratio Lower Upper  
178 100  
179 17.1 12.6 18.8  
176 19.9 15.1 22.7





#19  
Fluoranthene  
Concen: 4.283 ng/ul  
RT: 19.404 min Scan# 3586  
Delta R.T. -0.006 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

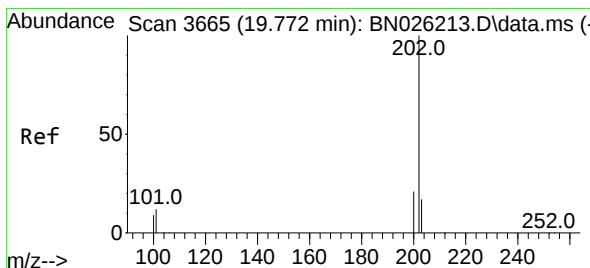
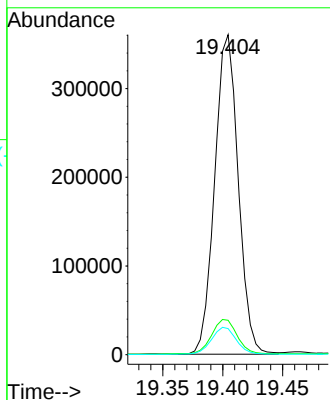
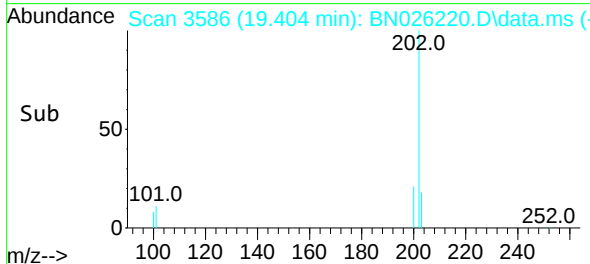
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



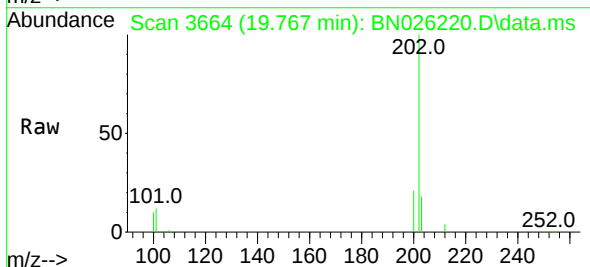
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Ion Ratio Lower Upper  
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101 10.7 9.5 14.3  
100 8.2 7.3 10.9

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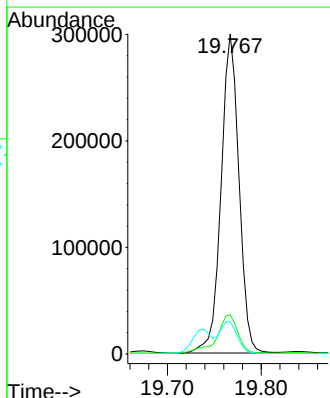
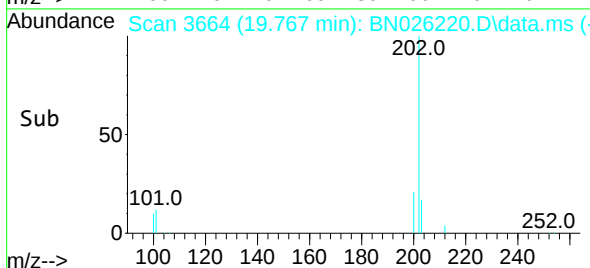
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

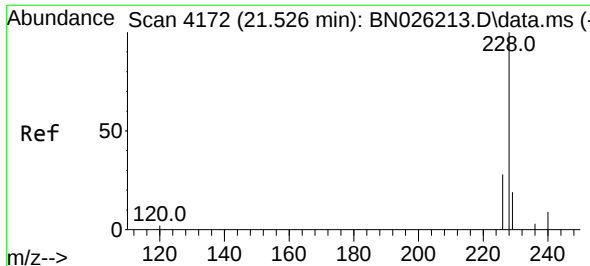


#20  
Pyrene  
Concen: 3.324 ng/ul  
RT: 19.767 min Scan# 3664  
Delta R.T. -0.006 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15



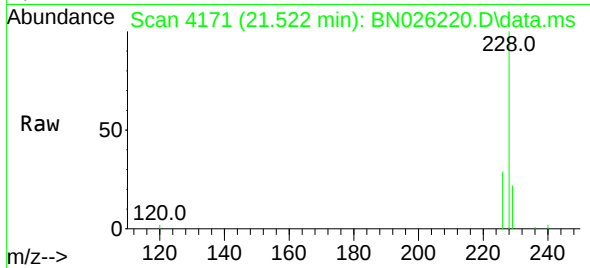
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Ion Ratio Lower Upper  
202 100  
101 12.3 11.4 17.0  
100 10.1 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 2.047 ng/ul  
RT: 21.522 min Scan# 4172  
Delta R.T. -0.004 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

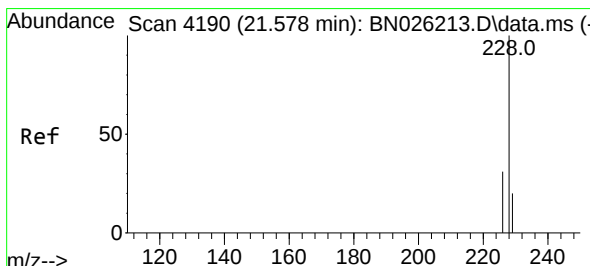
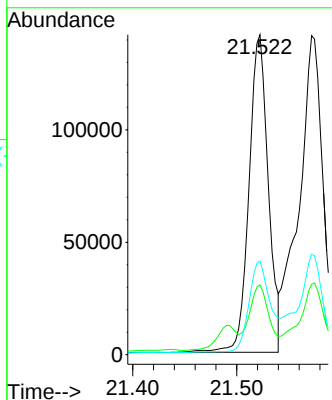
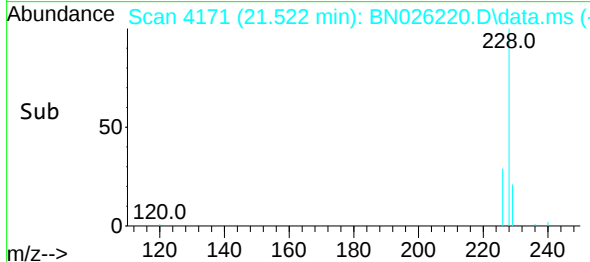
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



Tgt Ion:228 Resp: 18175  
Ion Ratio Lower Upper  
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229 21.8 15.8 23.6  
226 29.2 22.5 33.7

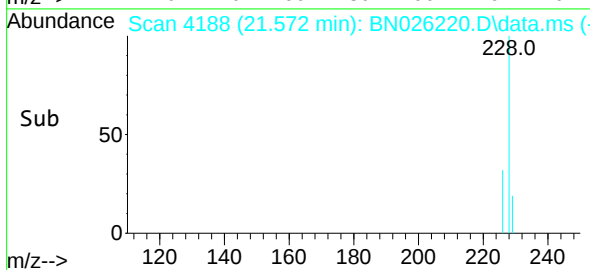
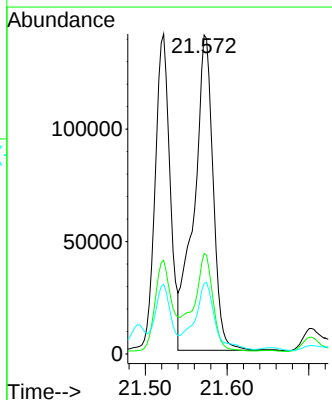
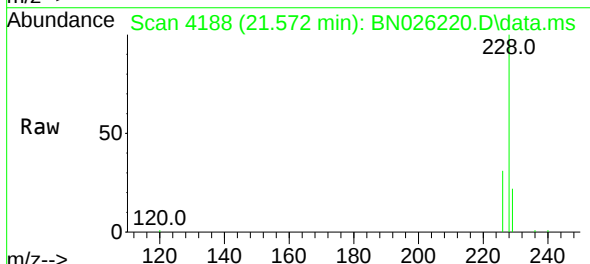
Manual Integrations  
APPROVED

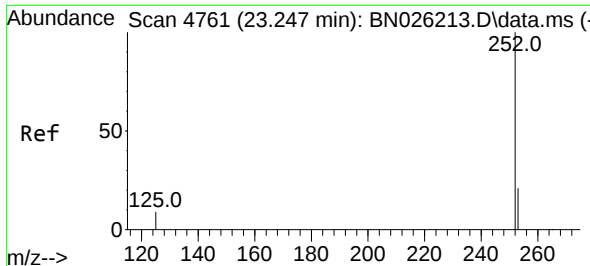
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#22  
Chrysene  
Concen: 2.465 ng/ul  
RT: 21.572 min Scan# 4188  
Delta R.T. -0.007 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

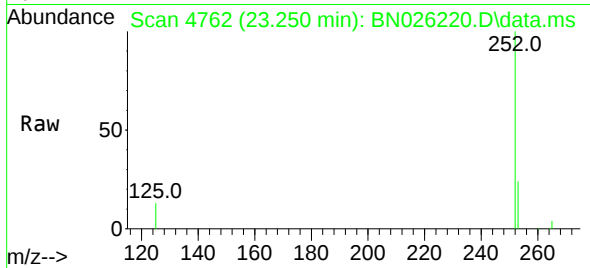
Tgt Ion:228 Resp: 227684  
Ion Ratio Lower Upper  
228 100  
226 31.5 24.8 37.2  
229 22.1 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 3.819 ng/ul m  
RT: 23.250 min Scan# 4762  
Delta R.T. 0.007 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

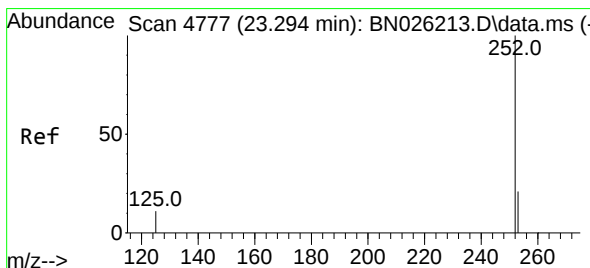
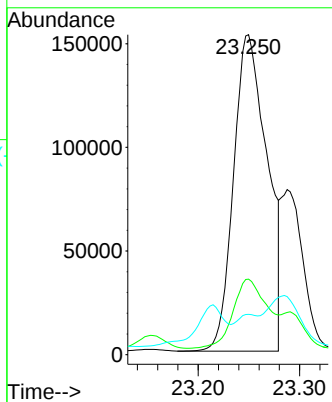
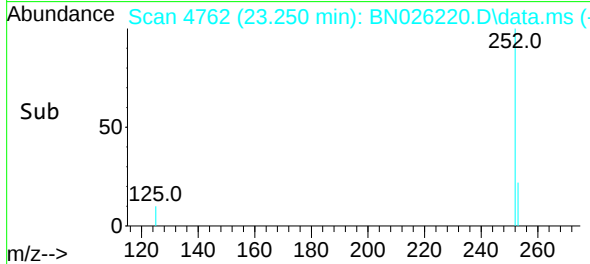
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



Tgt Ion:252 Resp: 350940  
Ion Ratio Lower Upper  
252 100  
253 23.6 0.0 55.6  
125 12.6 0.0 35.8

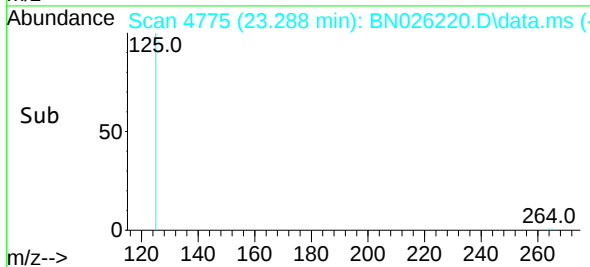
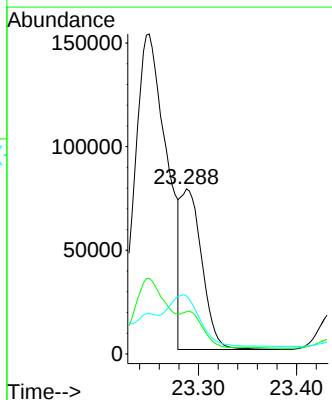
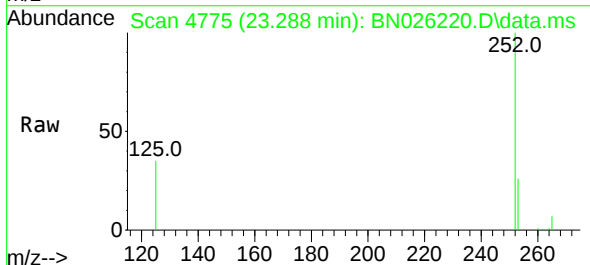
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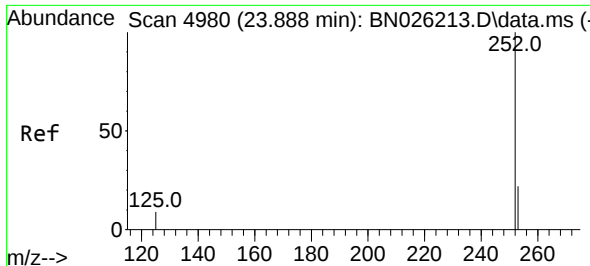
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#25  
Benzo(k)fluoranthene  
Concen: 1.276 ng/ul m  
RT: 23.288 min Scan# 4775  
Delta R.T. -0.004 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

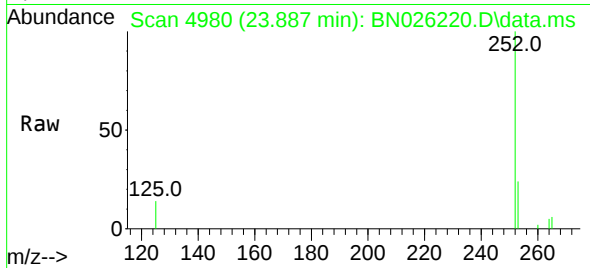
Tgt Ion:252 Resp: 117743  
Ion Ratio Lower Upper  
252 100  
253 25.6 23.2 34.8  
125 35.2 15.0 22.4





#26  
Benzo(a)pyrene  
Concen: 2.717 ng/ul  
RT: 23.887 min Scan# 4980  
Delta R.T. 0.001 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

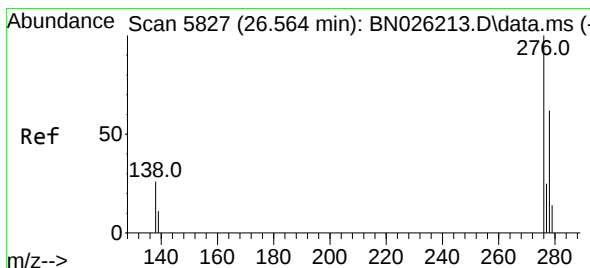
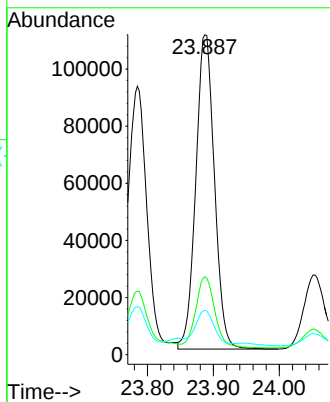
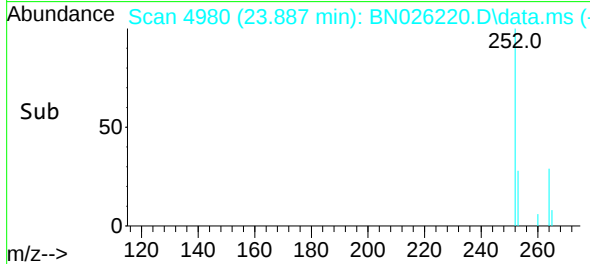
Instrument :  
BNA\_N  
ClientSampleId :  
DCGA8



Tgt Ion:252 Resp: 216800  
Ion Ratio Lower Upper  
252 100  
253 24.3 26.0 39.0  
125 13.9 17.3 25.9

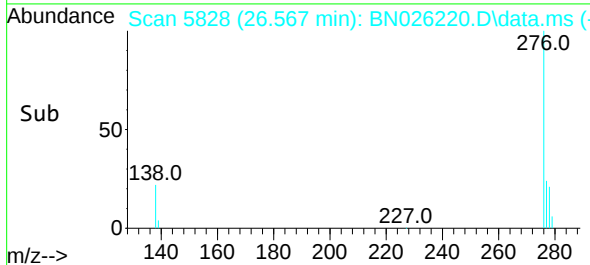
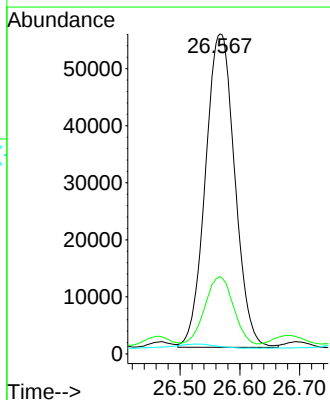
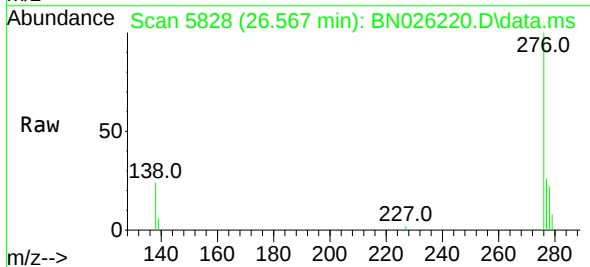
Manual Integrations  
APPROVED

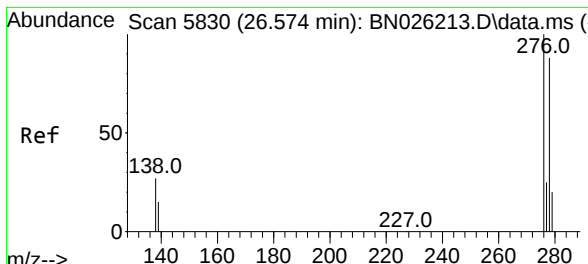
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.150 ng/ul  
RT: 26.567 min Scan# 5828  
Delta R.T. 0.009 min  
Lab File: BN026220.D  
Acq: 03 Jul 2023 11:15

Tgt Ion:276 Resp: 187387  
Ion Ratio Lower Upper  
276 100  
138 21.1 24.5 36.7  
227 0.0 0.0 0.0





#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.678 ng/ul  
 RT: 26.573 min Scan# 5830  
 Delta R.T. -0.005 min  
 Lab File: BN026220.D  
 Acq: 03 Jul 2023 11:15

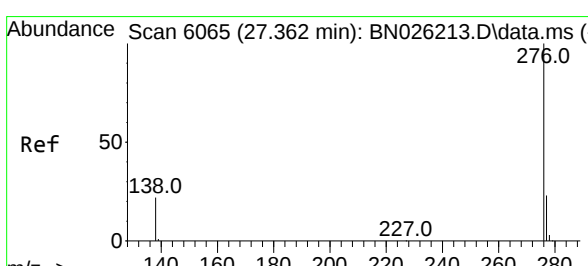
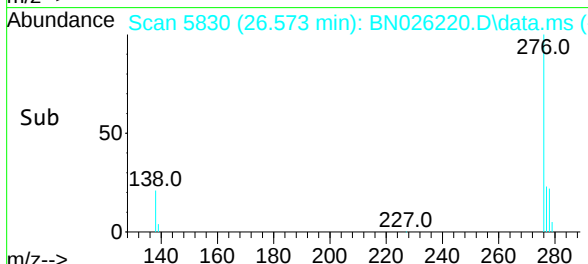
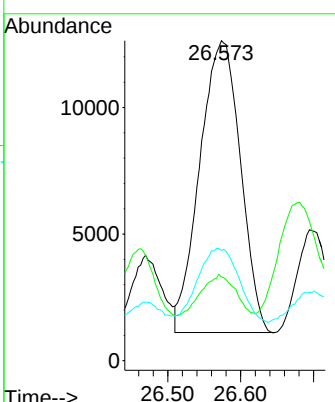
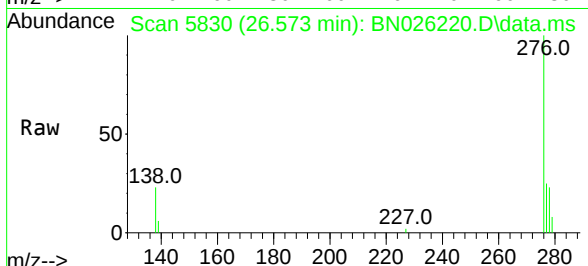
Instrument : BNA\_N  
 ClientSampleId : DCGA8

Tgt Ion: 278 Resp: 44725

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 26.2  | 19.0  | 28.4  |
| 279 | 34.4  | 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: 2.234 ng/ul  
 RT: 27.365 min Scan# 6066  
 Delta R.T. 0.019 min  
 Lab File: BN026220.D  
 Acq: 03 Jul 2023 11:15

Tgt Ion: 276 Resp: 173275

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 24.7  | 23.4  | 35.0  |
| 277 | 24.6  | 20.0  | 30.0  |

