

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026206.D  
 Acq On : 03 Jul 2023 02:09  
 Operator : MA/JU  
 Sample : 03244-12  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCGF1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023  
 Supervised By :Sohil Jodhani 07/04/2023

Quant Time: Jul 03 06:29:00 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  | 8333     | 0.400  | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.763 | 136  | 25392    | 0.400  | ng/ul  | #-0.01   |
| 9) Acenaphthene-d10         | 14.597 | 164  | 14746    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.346 | 188  | 27442    | 0.400  | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.542 | 240  | 15292    | 0.400  | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.006 | 264  | 16775    | 0.400  | ng/ul  | # 0.01   |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.318  | 96   | 31912    | 3.401  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.353 | 152  | 10989    | 0.281  | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.376 | 212  | 17032    | 0.293  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.813 | 128  | 101599   | 1.396  | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.424 | 142  | 22518    | 0.486  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.644 | 142  | 10804    | 0.225  | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.319 | 152  | 259384   | 3.756  | ng/ul  | 99       |
| 11) Acenaphthene            | 14.657 | 153  | 12348    | 0.219  | ng/ul  | 97       |
| 12) Fluorene                | 15.647 | 166  | 12365    | 0.191  | ng/ul# | 98       |
| 15) Phenanthrene            | 17.384 | 178  | 239992   | 2.648  | ng/ul  | 99       |
| 16) Anthracene              | 17.477 | 178  | 152079   | 1.888  | ng/ul  | 99       |
| 19) Fluoranthene            | 19.404 | 202  | 870052   | 10.652 | ng/ul  | 99       |
| 20) Pyrene                  | 19.771 | 202  | 799496   | 9.411  | ng/ul  | 94       |
| 21) Benzo(a)anthracene      | 21.525 | 228  | 434757   | 6.892  | ng/ul  | 95       |
| 22) Chrysene                | 21.580 | 228  | 485925   | 7.403  | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.255 | 252  | 1045746m | 14.606 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.296 | 252  | 317852m  | 4.421  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.898 | 252  | 645954   | 10.387 | ng/ul# | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.580 | 276  | 606702   | 8.932  | ng/ul# | 82       |
| 28) Dibenzo(a,h)anthracene  | 26.586 | 278  | 135541   | 2.637  | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.385 | 276  | 587550   | 9.724  | ng/ul# | 93       |
| -----                       |        |      |          |        |        |          |

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

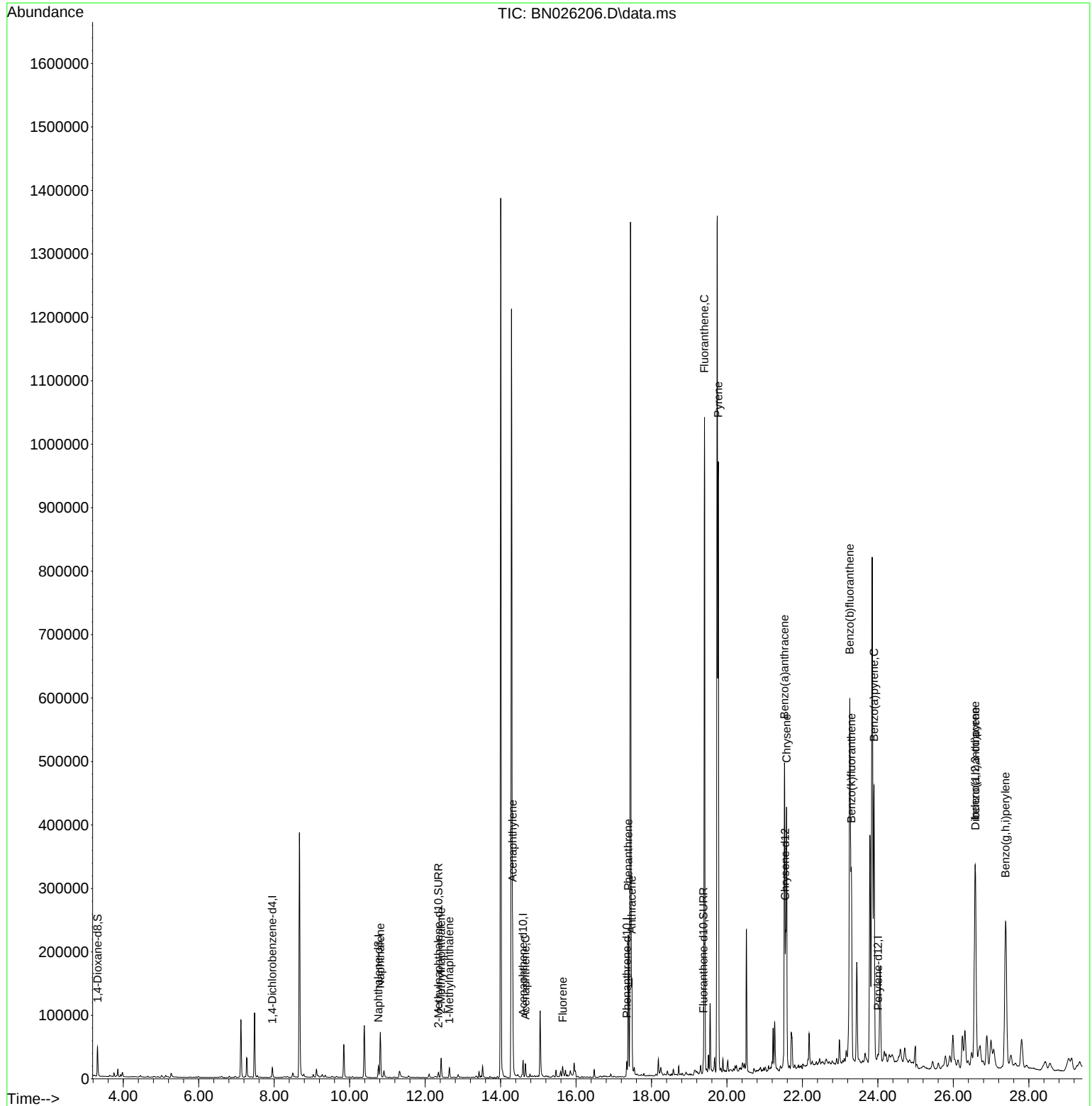
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026206.D  
Acq On : 03 Jul 2023 02:09  
Operator : MA/JU  
Sample : 03244-12  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

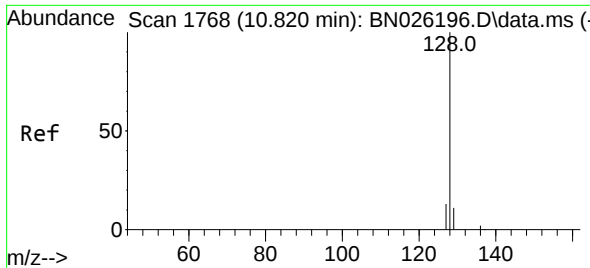
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

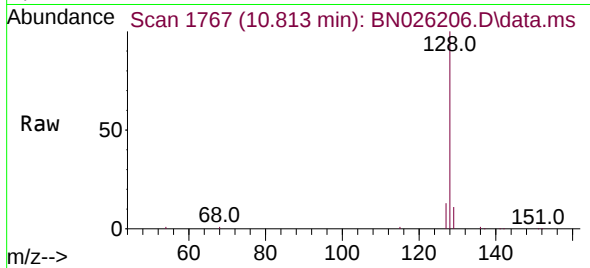
Quant Time: Jul 03 06:29:00 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 01 01:46:24 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 1.396 ng/ul  
RT: 10.813 min Scan# 1767  
Delta R.T. -0.012 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

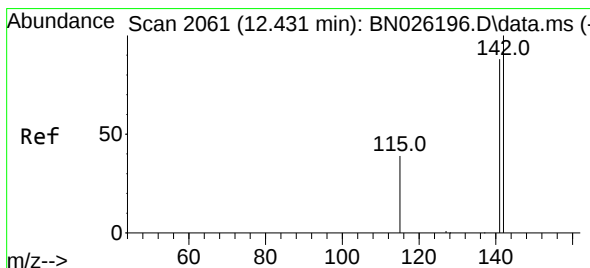
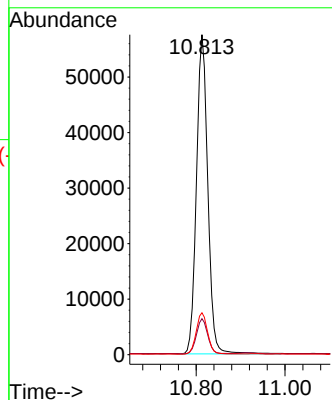
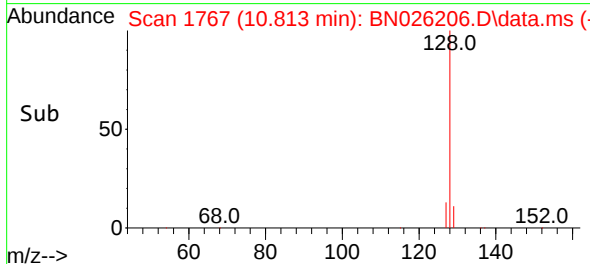
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



Tgt Ion:128 Resp: 101599  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.1 13.7  
127 13.1 10.7 16.1

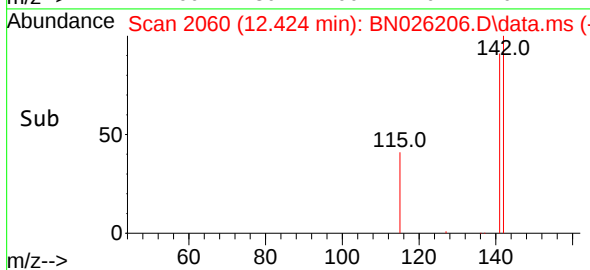
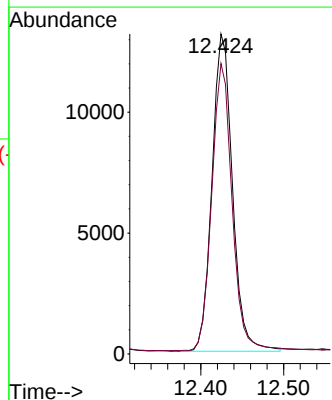
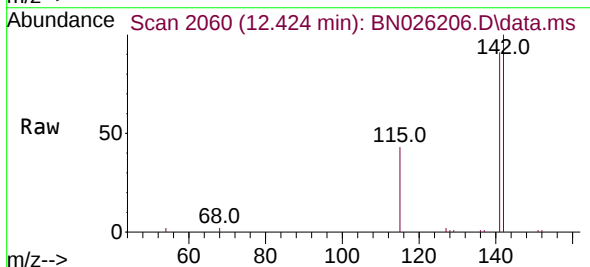
Manual Integrations  
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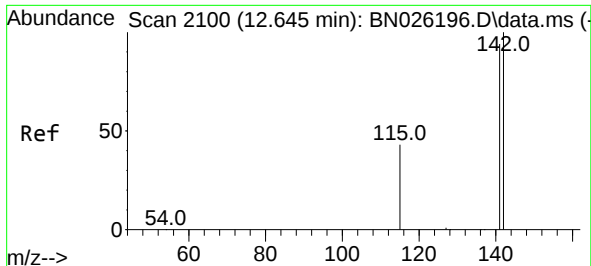
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#7  
2-Methylnaphthalene  
Concen: 0.486 ng/ul  
RT: 12.424 min Scan# 2060  
Delta R.T. -0.012 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

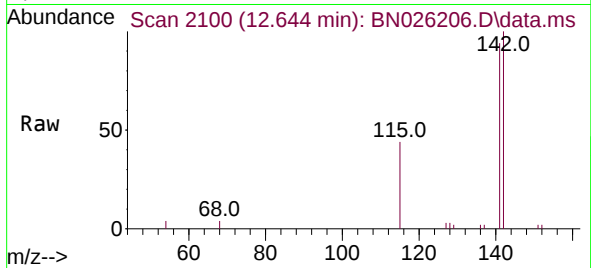
Tgt Ion:142 Resp: 22518  
Ion Ratio Lower Upper  
142 100  
141 90.2 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.225 ng/ul  
RT: 12.644 min Scan# 2100  
Delta R.T. -0.007 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

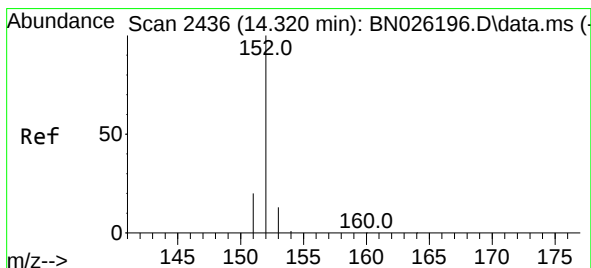
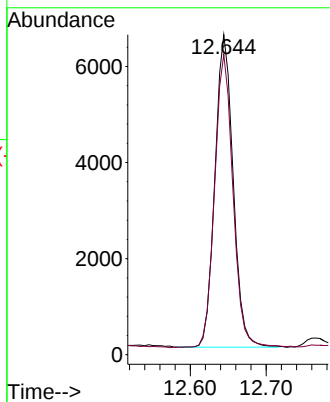
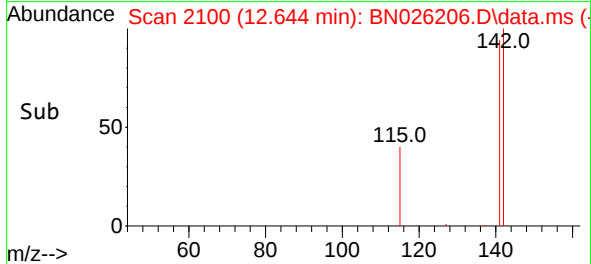
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



Tgt Ion:142 Resp: 10804  
Ion Ratio Lower Upper  
142 100  
141 94.3 74.2 111.4

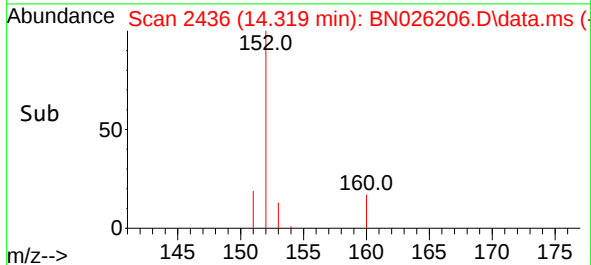
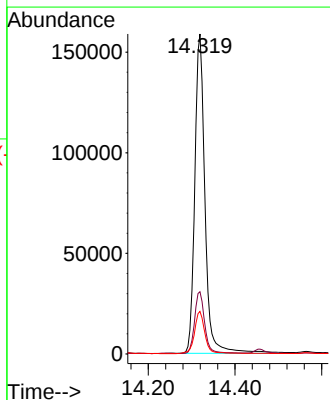
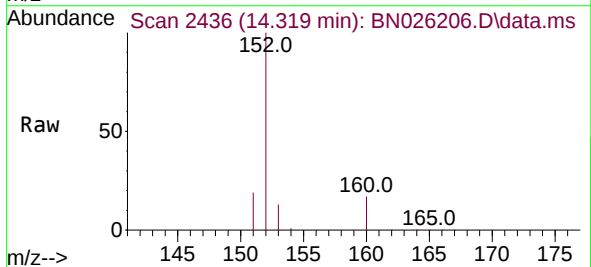
Manual Integrations  
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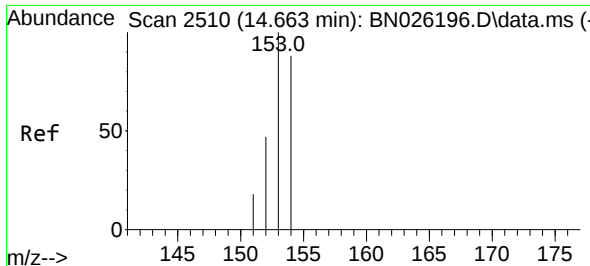
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#10  
Acenaphthylene  
Concen: 3.756 ng/ul  
RT: 14.319 min Scan# 2436  
Delta R.T. -0.007 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

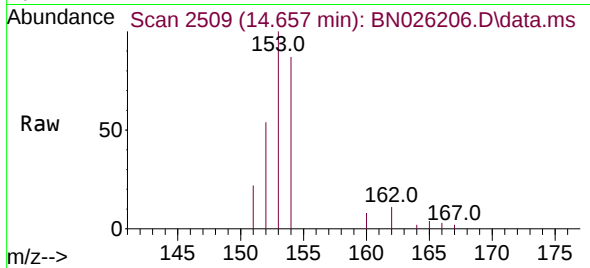
Tgt Ion:152 Resp: 259384  
Ion Ratio Lower Upper  
152 100  
151 19.4 16.2 24.4  
153 13.3 10.9 16.3





#11  
Acenaphthene  
Concen: 0.219 ng/ul  
RT: 14.657 min Scan# 2509  
Delta R.T. -0.011 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

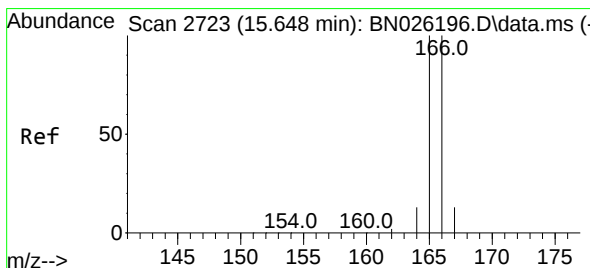
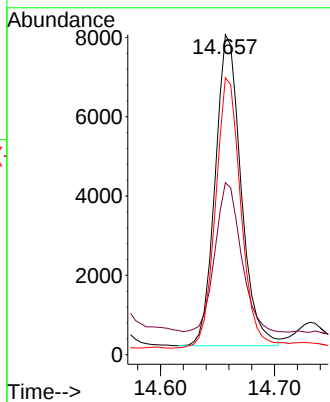
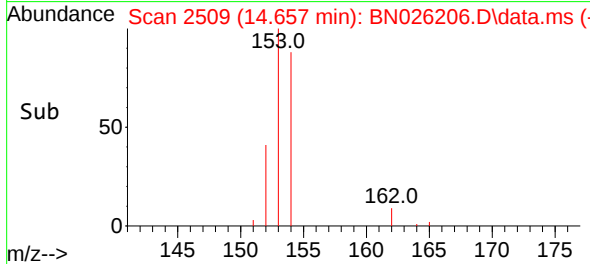
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



Tgt Ion:153 Resp: 12348  
Ion Ratio Lower Upper  
153 100  
152 53.8 39.4 59.0  
154 86.5 68.9 103.3

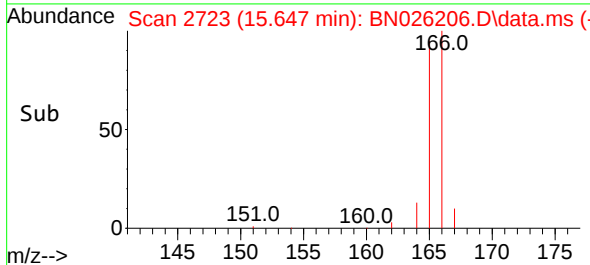
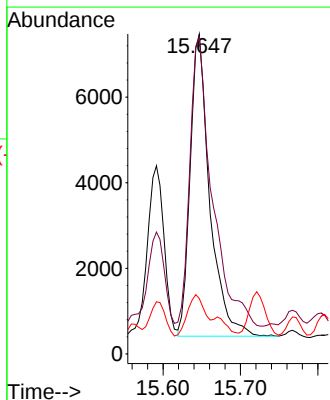
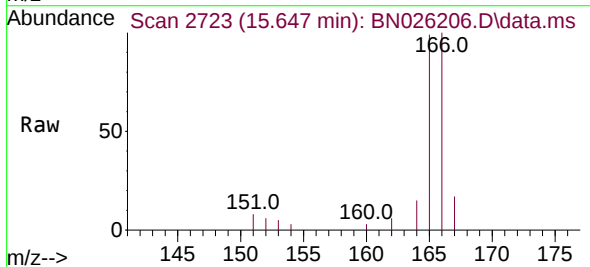
Manual Integrations  
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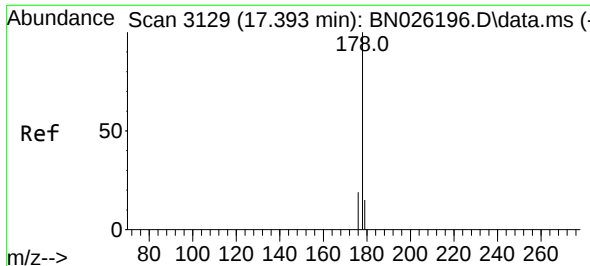
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#12  
Fluorene  
Concen: 0.191 ng/ul  
RT: 15.647 min Scan# 2723  
Delta R.T. -0.007 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

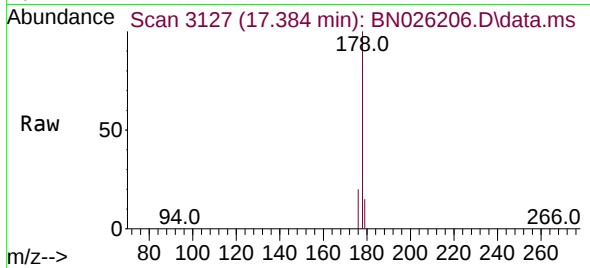
Tgt Ion:166 Resp: 12365  
Ion Ratio Lower Upper  
166 100  
165 98.9 79.9 119.9  
167 17.3 10.8 16.2#





#15  
Phenanthrene  
Concen: 2.648 ng/ul  
RT: 17.384 min Scan# 3127  
Delta R.T. -0.010 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

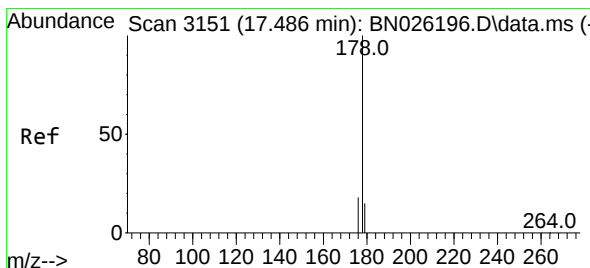
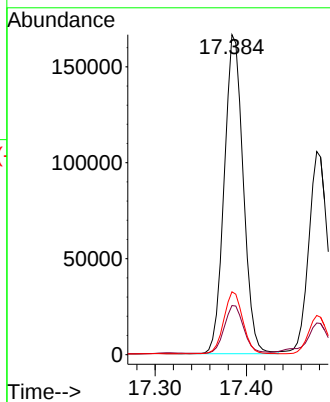
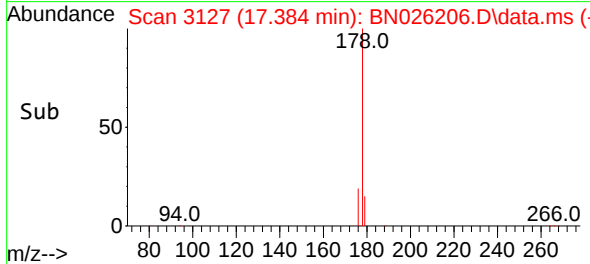
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



Tgt Ion:178 Resp: 239992  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.6 19.0  
176 19.6 15.8 23.6

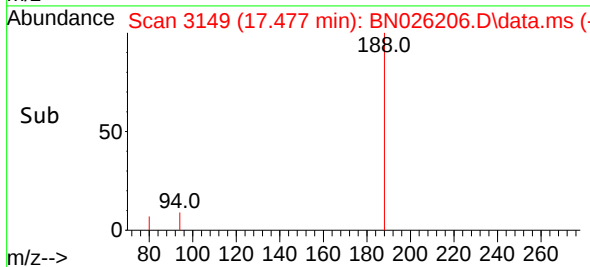
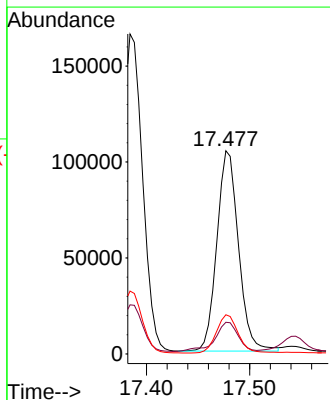
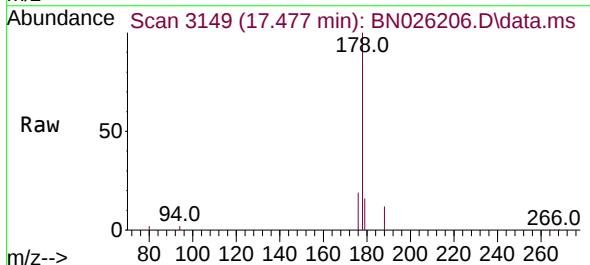
Manual Integrations  
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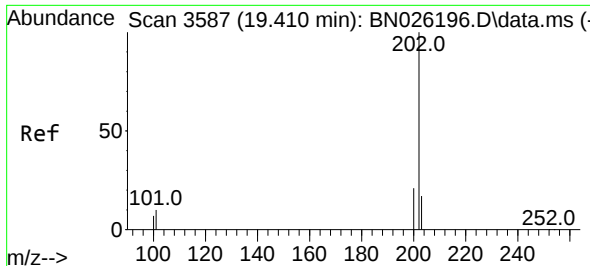
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#16  
Anthracene  
Concen: 1.888 ng/ul  
RT: 17.477 min Scan# 3149  
Delta R.T. -0.010 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

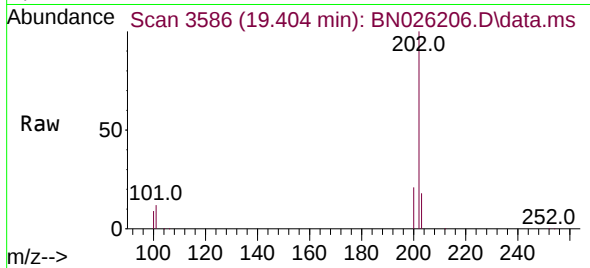
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Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 18.8  
176 19.3 15.1 22.7





#19  
Fluoranthene  
Concen: 10.652 ng/ul  
RT: 19.404 min Scan# 3586  
Delta R.T. -0.007 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

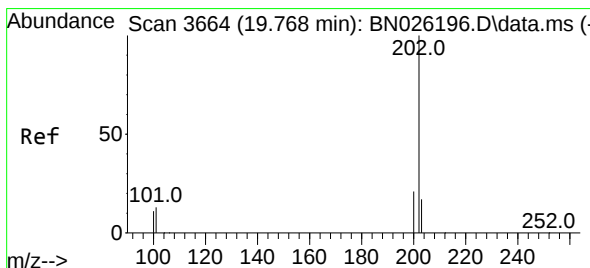
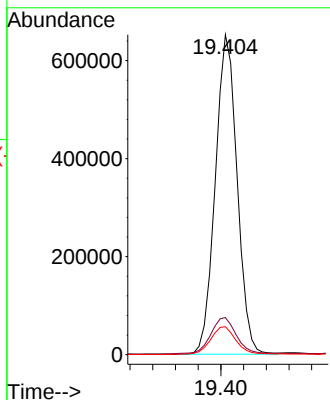
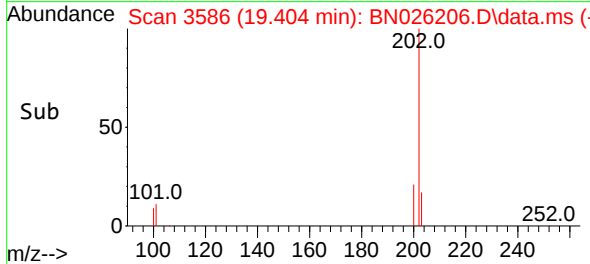
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



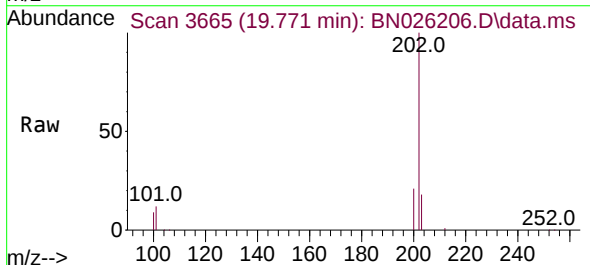
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Ion Ratio Lower Upper  
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101 11.6 9.5 14.3  
100 8.8 7.3 10.9

Manual Integrations  
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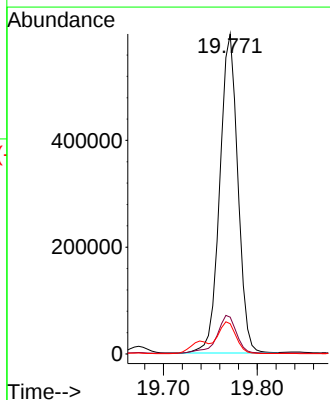
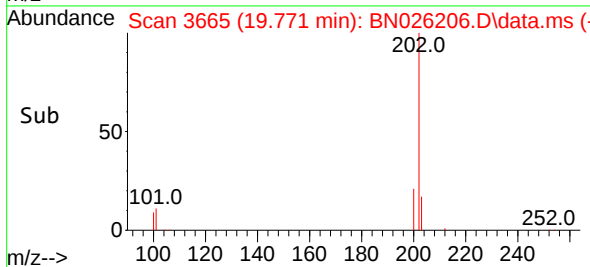
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

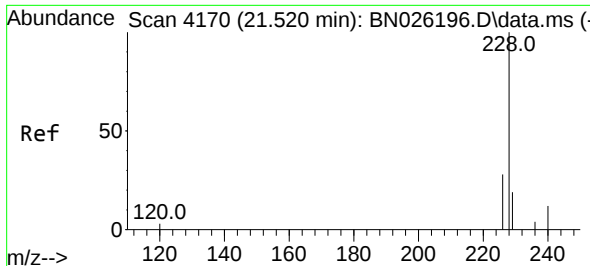


#20  
Pyrene  
Concen: 9.411 ng/ul  
RT: 19.771 min Scan# 3665  
Delta R.T. -0.002 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09



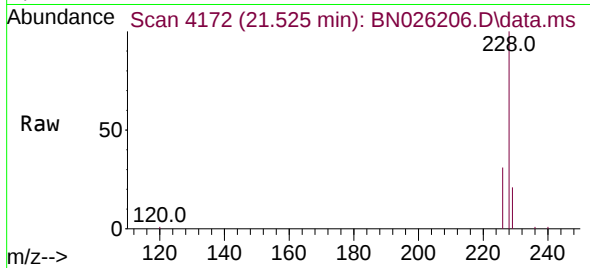
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Ion Ratio Lower Upper  
202 100  
101 11.5 11.4 17.0  
100 9.4 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 6.892 ng/ul  
RT: 21.525 min Scan# 4170  
Delta R.T. -0.002 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

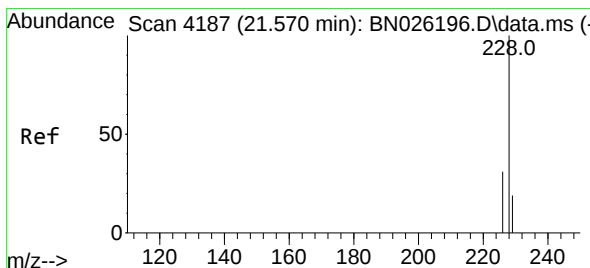
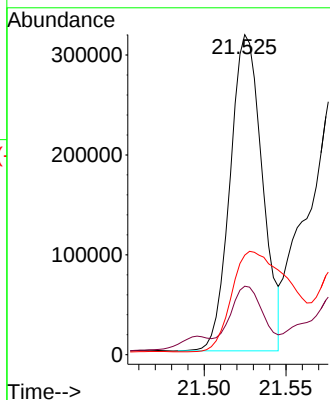
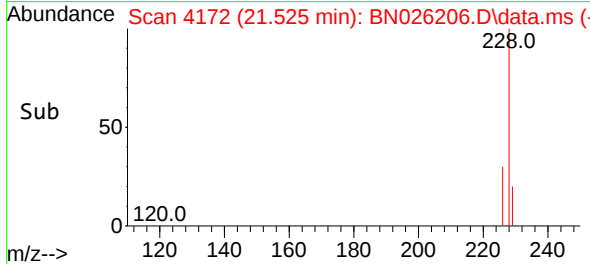
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



Tgt Ion:228 Resp: 43475  
Ion Ratio Lower Upper  
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229 21.4 15.8 23.6  
226 31.1 22.5 33.7

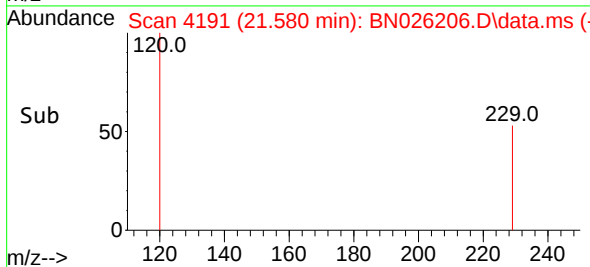
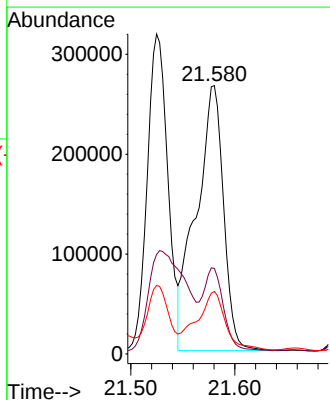
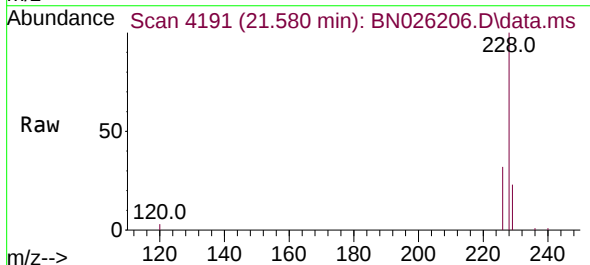
Manual Integrations  
APPROVED

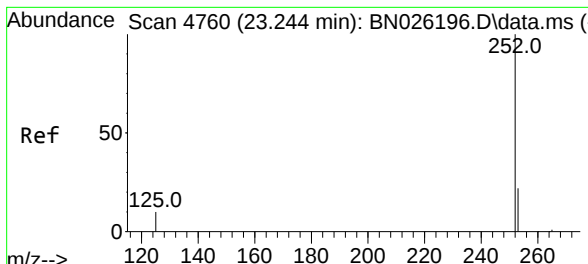
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#22  
Chrysene  
Concen: 7.403 ng/ul  
RT: 21.580 min Scan# 4191  
Delta R.T. 0.001 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

Tgt Ion:228 Resp: 485925  
Ion Ratio Lower Upper  
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226 31.9 24.8 37.2  
229 23.3 15.7 23.5





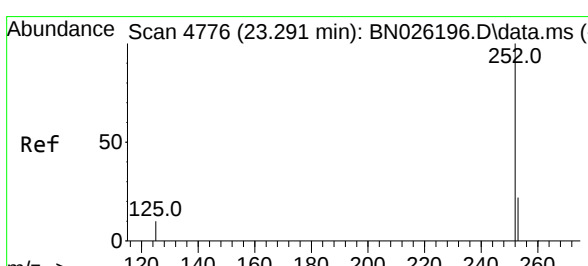
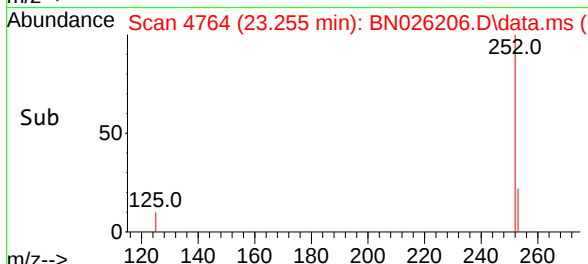
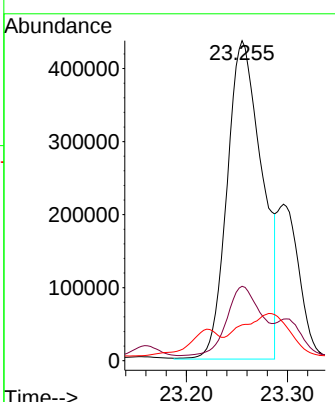
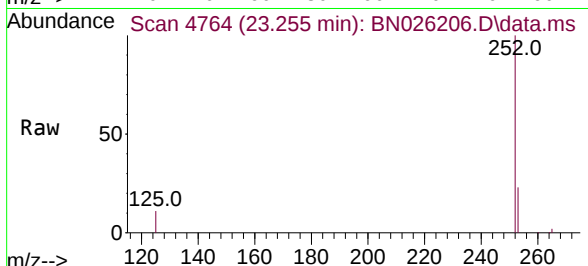
#24  
Benzo(b)fluoranthene  
Concen: 14.606 ng/ul m  
RT: 23.255 min Scan# 4764  
Delta R.T. 0.013 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

Instrument : BNA\_N  
ClientSampleId : DCGF1

Tgt Ion:252 Resp: 104574

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.2  | 0.0   | 55.6  |
| 125 | 11.2  | 0.0   | 35.8  |

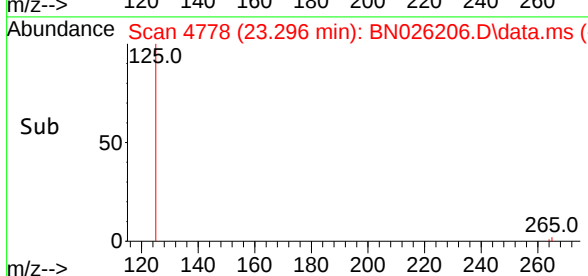
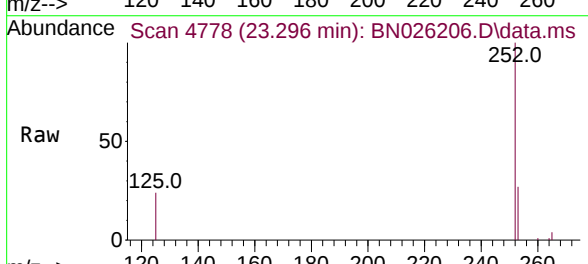
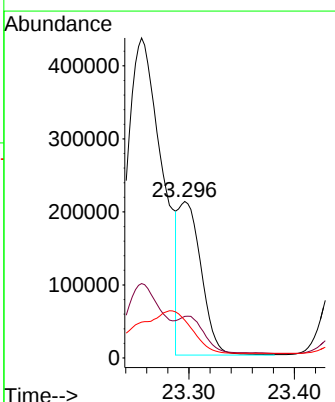
Manual Integrations  
**APPROVED**  
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023

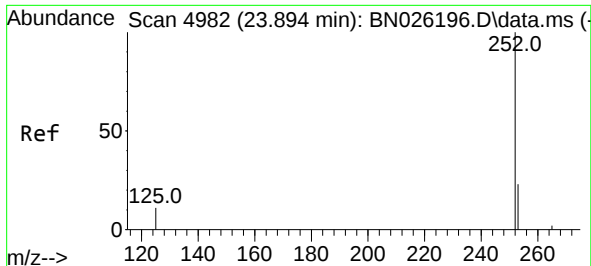


#25  
Benzo(k)fluoranthene  
Concen: 4.421 ng/ul m  
RT: 23.296 min Scan# 4778  
Delta R.T. 0.004 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

Tgt Ion:252 Resp: 317852

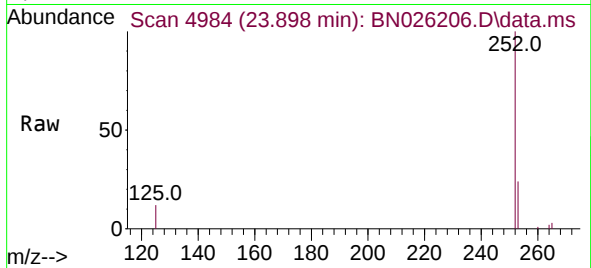
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 26.6  | 23.2  | 34.8  |
| 125 | 24.1  | 15.0  | 22.4  |





#26  
Benzo(a)pyrene  
Concen: 10.387 ng/ul  
RT: 23.898 min Scan# 4984  
Delta R.T. 0.013 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

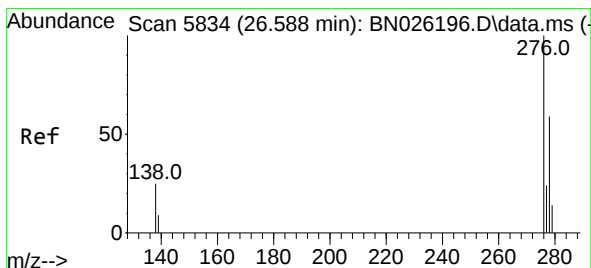
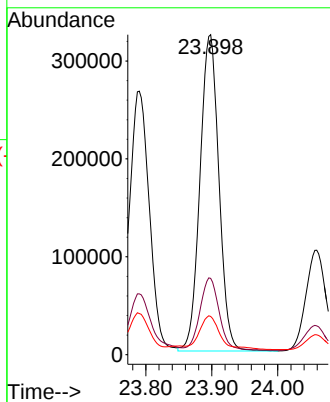
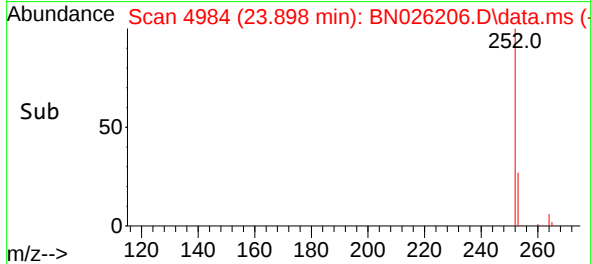
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



Tgt Ion:252 Resp: 645954  
Ion Ratio Lower Upper  
252 100  
253 23.8 26.0 39.0  
125 11.9 17.3 25.9

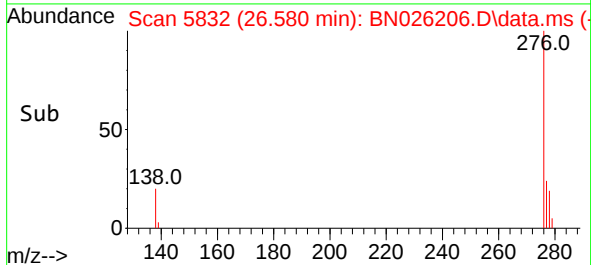
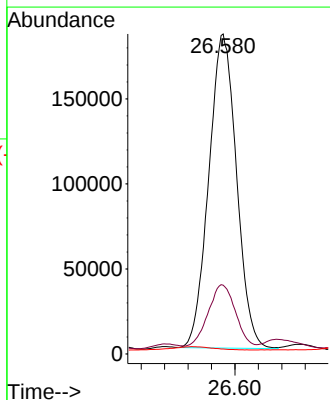
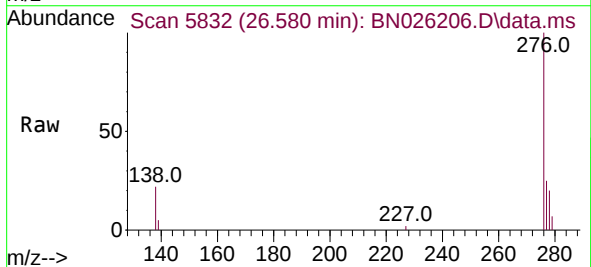
Manual Integrations  
APPROVED

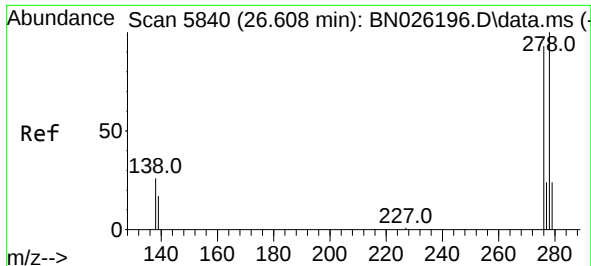
Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 8.932 ng/ul  
RT: 26.580 min Scan# 5832  
Delta R.T. 0.022 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

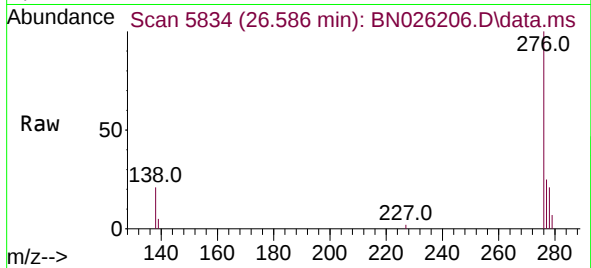
Tgt Ion:276 Resp: 606702  
Ion Ratio Lower Upper  
276 100  
138 20.5 24.5 36.7  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 2.637 ng/ul  
RT: 26.586 min Scan# 5834  
Delta R.T. 0.008 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09

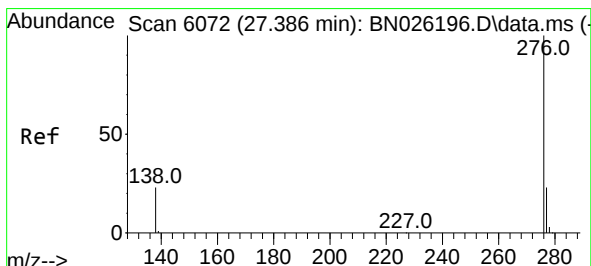
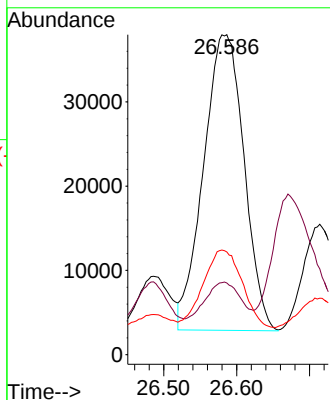
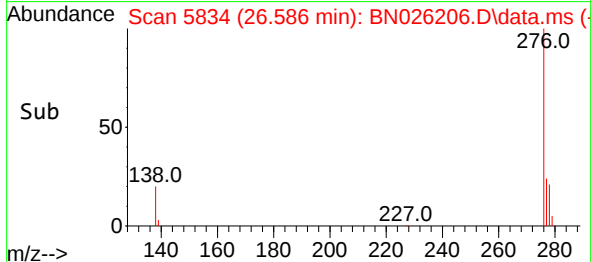
Instrument :  
BNA\_N  
ClientSampleId :  
DCGF1



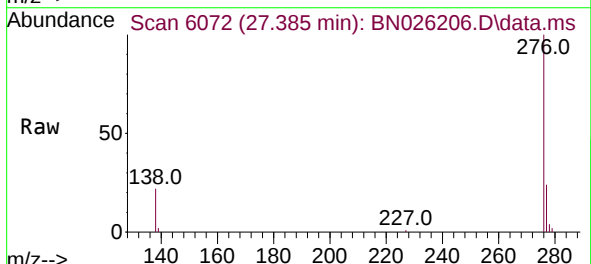
Tgt Ion:278 Resp: 13554  
Ion Ratio Lower Upper  
278 100  
139 22.4 19.0 28.4  
279 32.1 26.7 40.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/03/2023  
Supervised By :Sohil Jodhani 07/04/2023



#29  
Benzo(g,h,i)perylene  
Concen: 9.724 ng/ul  
RT: 27.385 min Scan# 6072  
Delta R.T. 0.038 min  
Lab File: BN026206.D  
Acq: 03 Jul 2023 02:09



Tgt Ion:276 Resp: 587550  
Ion Ratio Lower Upper  
276 100  
138 22.5 23.4 35.0#  
277 24.4 20.0 30.0

