

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081523\  
 Data File : BN026912.D  
 Acq On : 15 Aug 2023 22:31  
 Operator : MA/JU  
 Sample : 03965-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48J5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/16/2023  
 Supervised By :Sohil Jodhani 08/16/2023

Quant Time: Aug 16 00:55:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 16 00:50:05 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| -----                       |        |      |          |        |        |          |
| Internal Standards          |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.110  | 152  | 19924    | 0.400  | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.938 | 136  | 66735    | 0.400  | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.735 | 164  | 38567    | 0.400  | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.481 | 188  | 85698    | 0.400  | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.656 | 240  | 70021    | 0.400  | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.202 | 264  | 64439    | 0.400  | ng/ul  | -0.01    |
|                             |        |      |          |        |        |          |
| System Monitoring Compounds |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8           | 3.439  | 96   | 68392    | 2.891  | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.511 | 152  | 20789    | 0.212  | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.496 | 212  | 49689    | 0.225  | ng/ul  | 0.00     |
|                             |        |      |          |        |        |          |
| Target Compounds            |        |      |          |        | Qvalue |          |
| 5) Naphthalene              | 10.988 | 128  | 3060649  | 16.230 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.583 | 142  | 35369    | 0.310  | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.797 | 142  | 6264     | 0.052  | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.467 | 152  | 29262    | 0.135  | ng/ul  | 100      |
| 11) Acenaphthene            | 14.800 | 153  | 13768    | 0.092  | ng/ul  | 99       |
| 12) Fluorene                | 15.781 | 166  | 19276    | 0.114  | ng/ul  | 99       |
| 15) Phenanthrene            | 17.527 | 178  | 593797   | 2.109  | ng/ul  | 99       |
| 16) Anthracene              | 17.616 | 178  | 136544   | 0.537  | ng/ul  | 100      |
| 19) Fluoranthene            | 19.529 | 202  | 2140630  | 7.360  | ng/ul  | 98       |
| 20) Pyrene                  | 19.896 | 202  | 1961436m | 6.320  | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.638 | 228  | 1227402  | 4.407  | ng/ul  | 99       |
| 22) Chrysene                | 21.694 | 228  | 1232519  | 4.484  | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.415 | 252  | 1508437m | 6.189  | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.465 | 252  | 524611m  | 2.182  | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.094 | 252  | 1073494  | 4.881  | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.897 | 276  | 614121   | 2.134  | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.921 | 278  | 149441   | 0.652  | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.743 | 276  | 536361   | 2.239  | ng/ul  | 99       |
| -----                       |        |      |          |        |        |          |

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

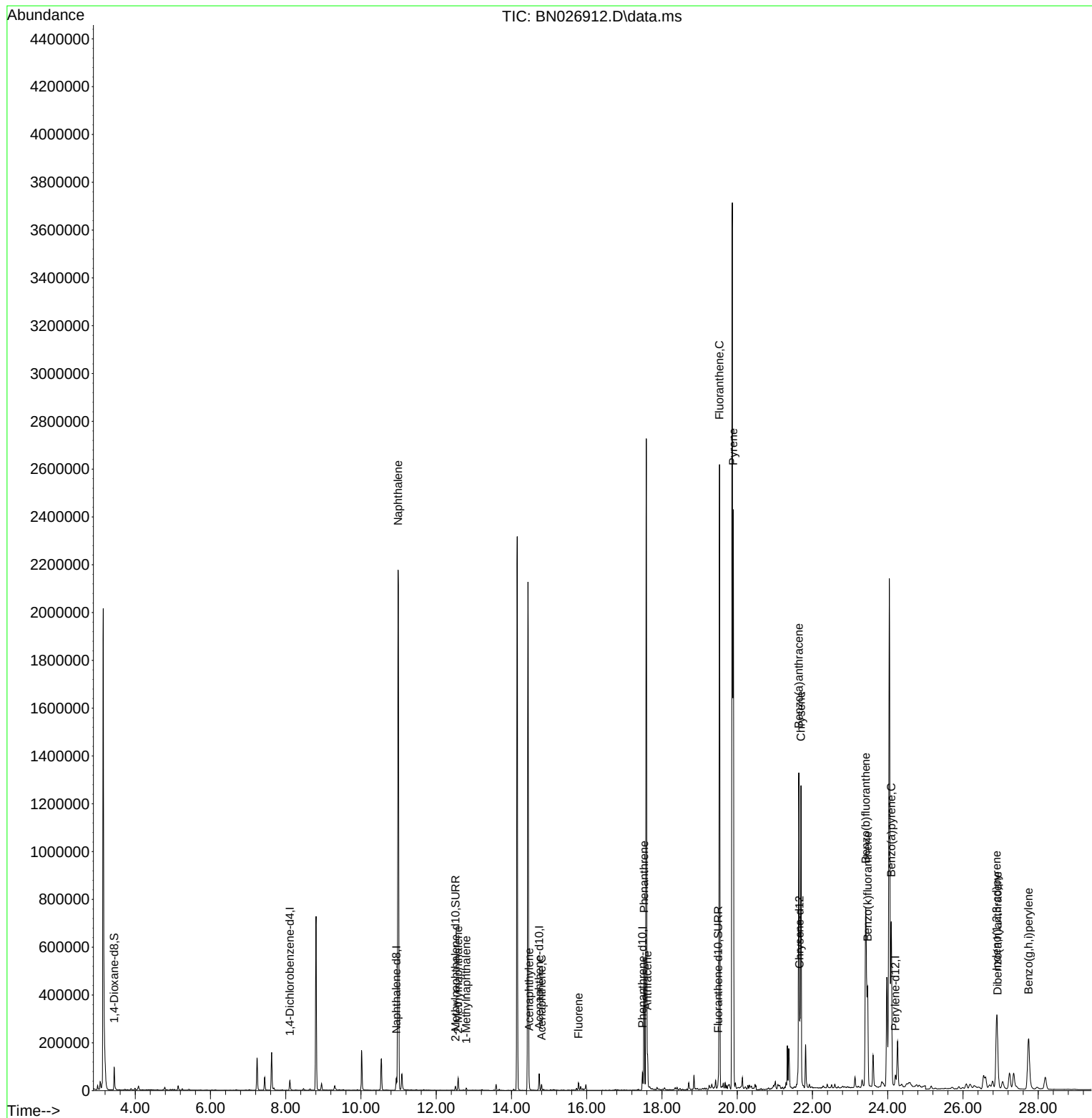
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081523\  
Data File : BN026912.D  
Acq On : 15 Aug 2023 22:31  
Operator : MA/JU  
Sample : 03965-11  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

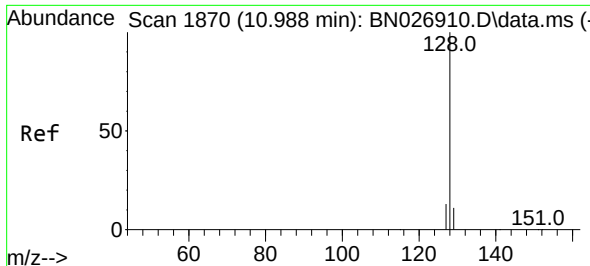
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5

Manual Integrations  
APPROVED

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Supervised By :Sohil Jodhani 08/16/2023

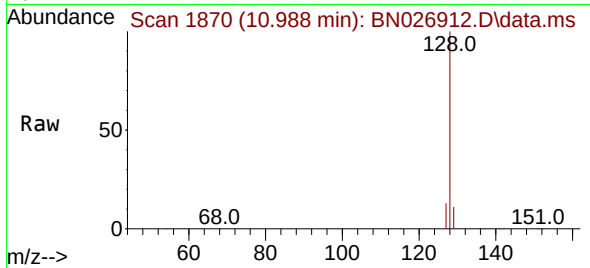
Quant Time: Aug 16 00:55:30 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN080323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 16 00:50:05 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 16.230 ng/ul  
RT: 10.988 min Scan# 1870  
Delta R.T. 0.006 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

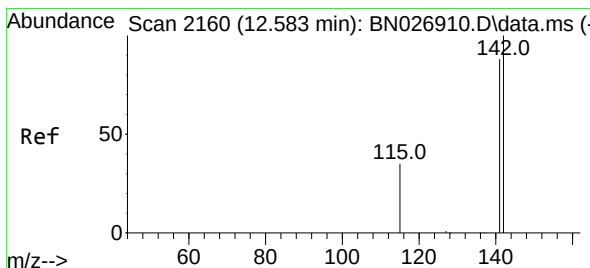
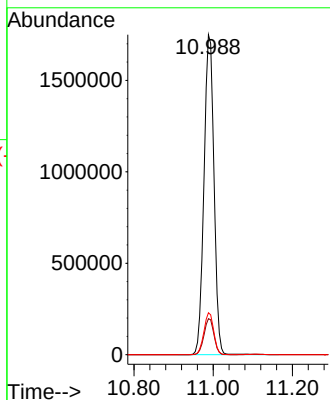
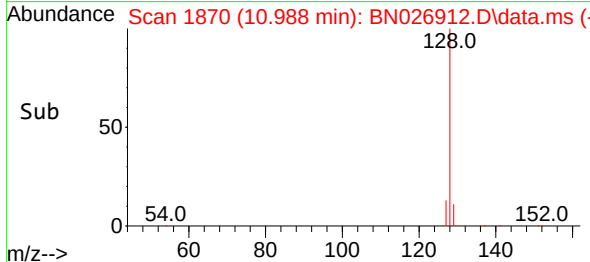
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:128 Resp: 3060649  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.2 13.8  
127 13.1 10.5 15.7

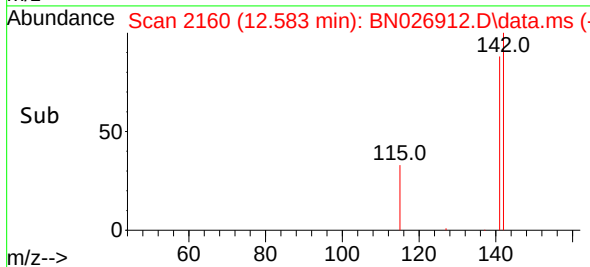
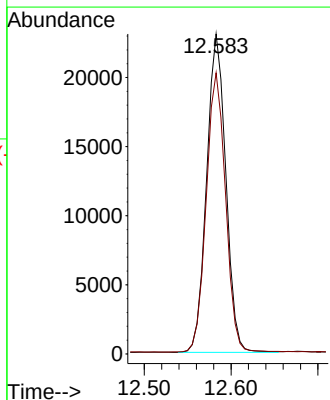
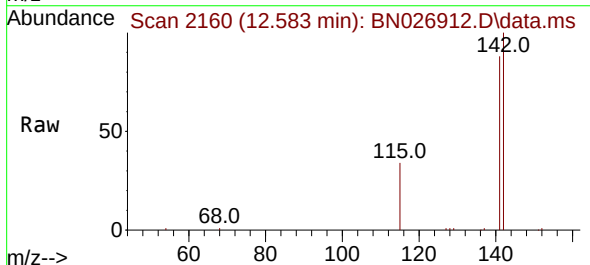
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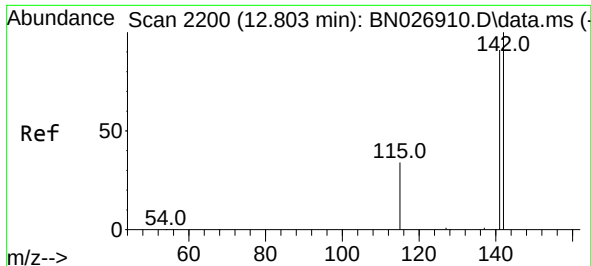
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#7  
2-Methylnaphthalene  
Concen: 0.310 ng/ul  
RT: 12.583 min Scan# 2160  
Delta R.T. 0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

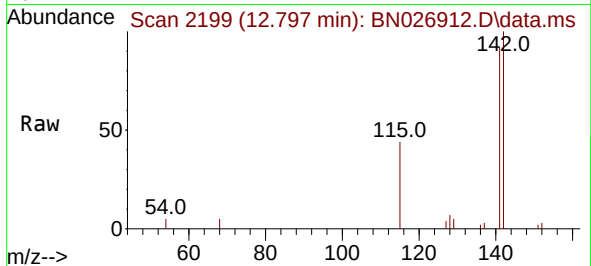
Tgt Ion:142 Resp: 35369  
Ion Ratio Lower Upper  
142 100  
141 88.2 70.9 106.3





#8  
1-Methylnaphthalene  
Concen: 0.052 ng/ul  
RT: 12.797 min Scan# 2199  
Delta R.T. 0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

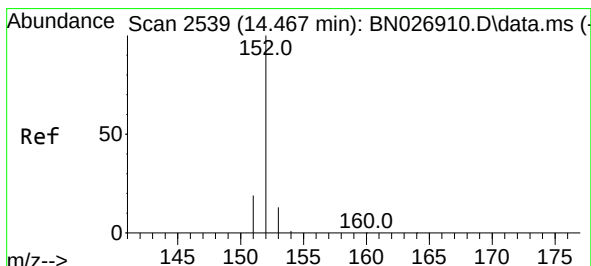
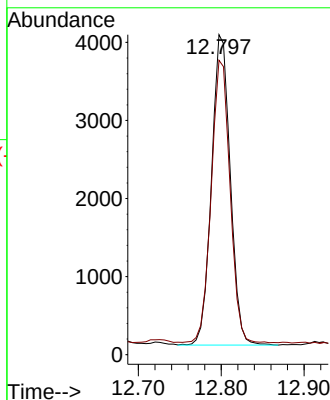
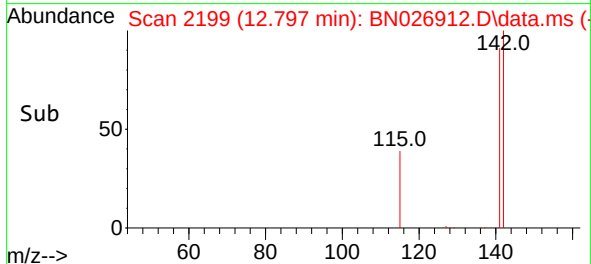
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:142 Resp: 6264  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.2 109.8

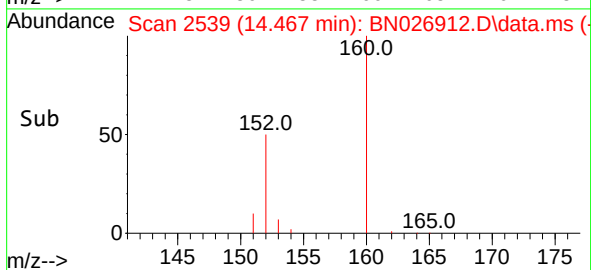
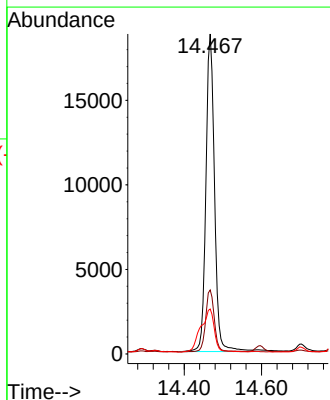
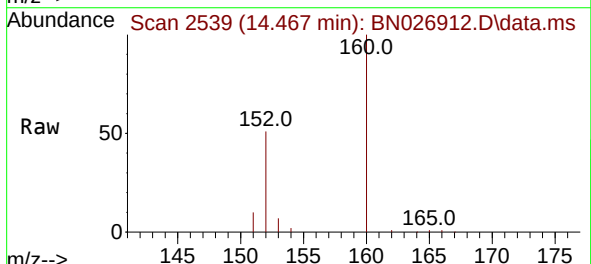
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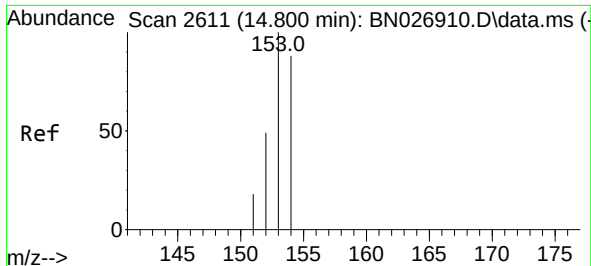
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#10  
Acenaphthylene  
Concen: 0.135 ng/ul  
RT: 14.467 min Scan# 2539  
Delta R.T. 0.005 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

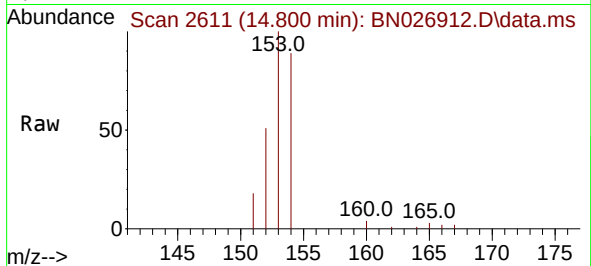
Tgt Ion:152 Resp: 29262  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.9 23.9  
153 14.0 11.0 16.6





#11  
Acenaphthene  
Concen: 0.092 ng/ul  
RT: 14.800 min Scan# 2011  
Delta R.T. 0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

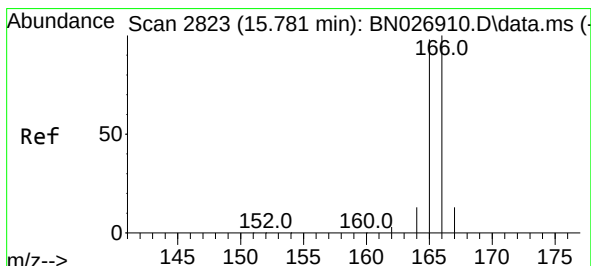
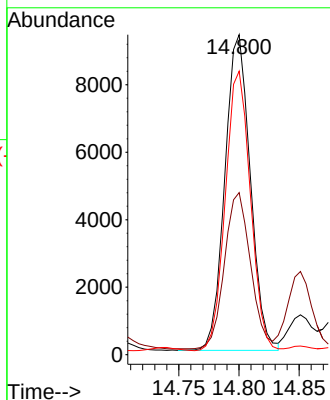
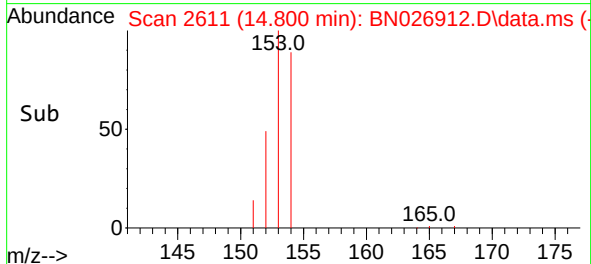
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:153 Resp: 13768  
Ion Ratio Lower Upper  
153 100  
152 50.6 41.1 61.7  
154 88.6 71.6 107.4

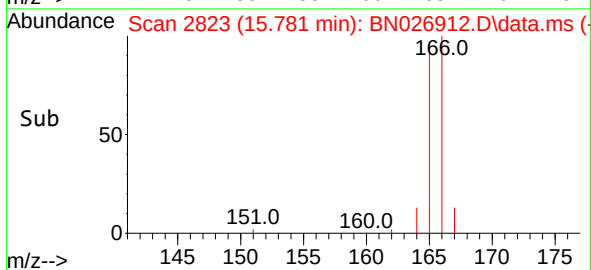
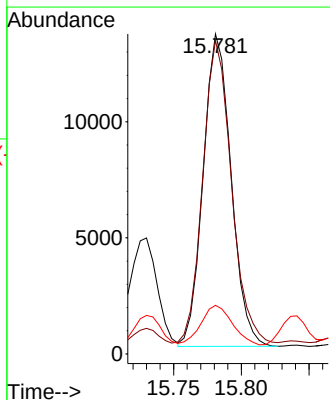
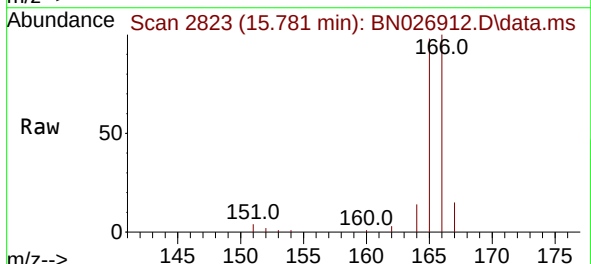
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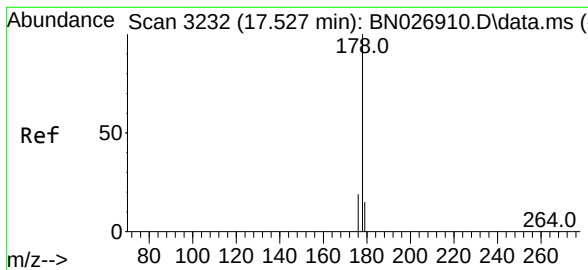
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#12  
Fluorene  
Concen: 0.114 ng/ul  
RT: 15.781 min Scan# 2823  
Delta R.T. 0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

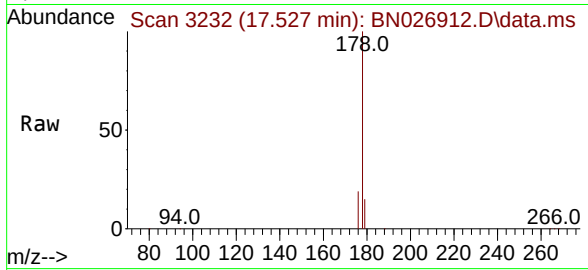
Tgt Ion:166 Resp: 19276  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.1 118.7  
167 15.2 11.4 17.0





#15  
Phenanthrene  
Concen: 2.109 ng/u1  
RT: 17.527 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

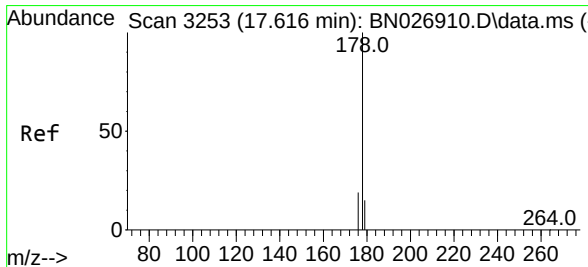
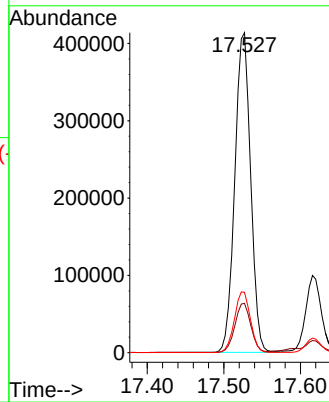
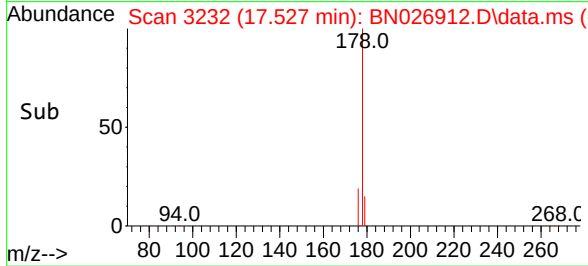
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:178 Resp: 59379  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 18.8  
176 18.9 15.4 23.2

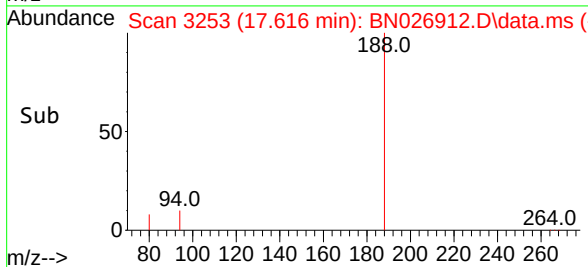
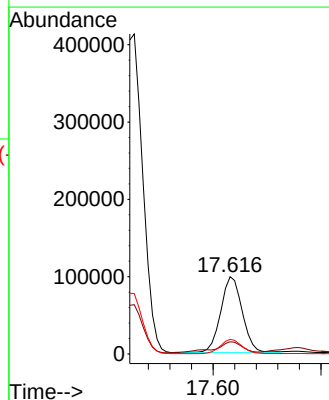
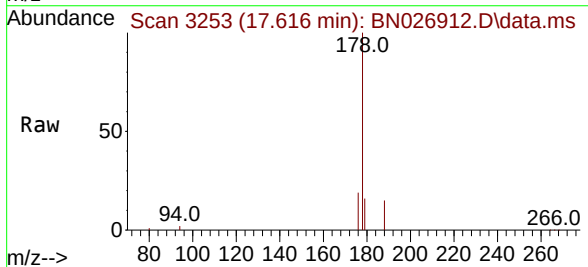
Manual Integrations  
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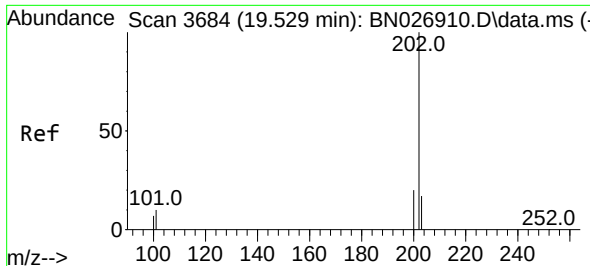
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#16  
Anthracene  
Concen: 0.537 ng/u1  
RT: 17.616 min Scan# 3253  
Delta R.T. -0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

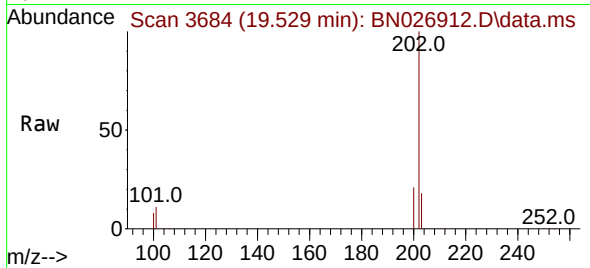
Tgt Ion:178 Resp: 136544  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.6 19.0  
176 18.8 15.0 22.6





#19  
Fluoranthene  
Concen: 7.360 ng/ul  
RT: 19.529 min Scan# 3684  
Delta R.T. -0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

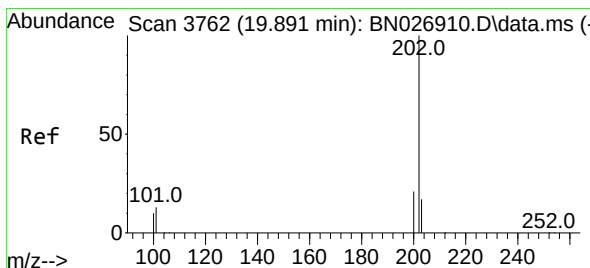
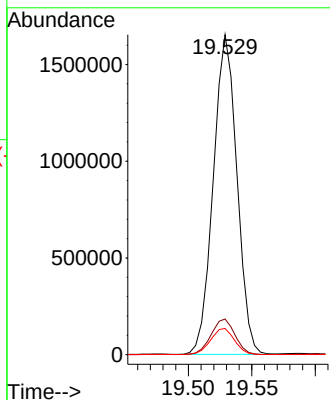
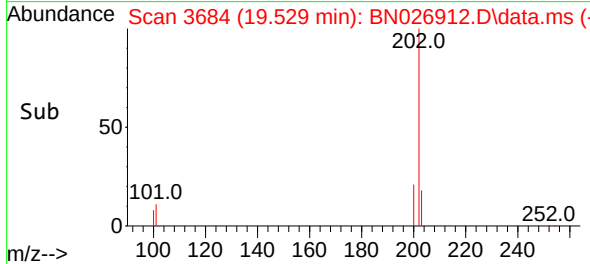
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:202 Resp: 2140630  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.3 12.5  
100 8.2 6.2 9.2

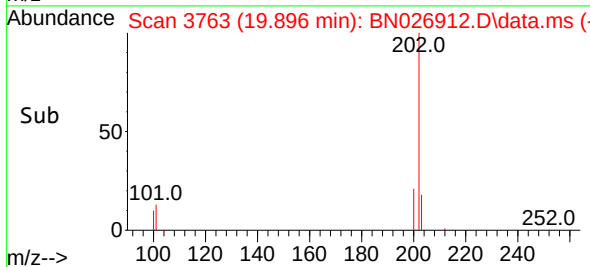
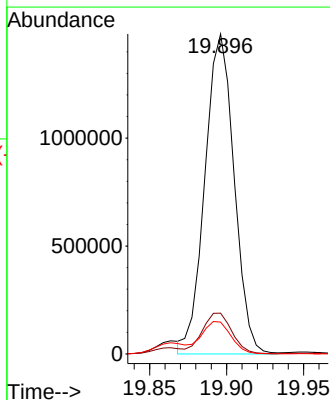
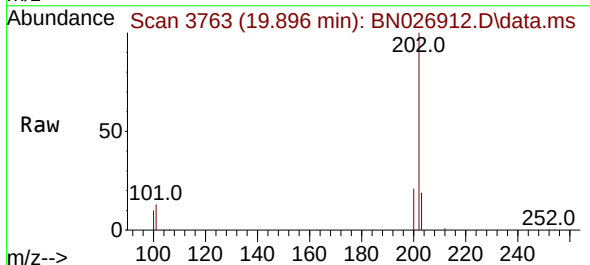
Manual Integrations  
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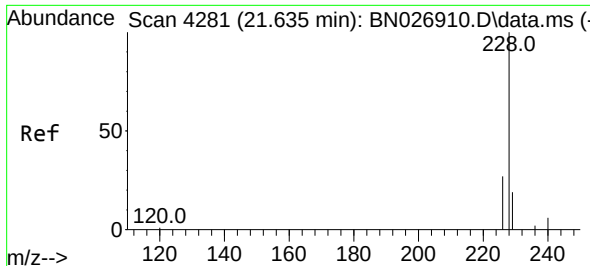
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#20  
Pyrene  
Concen: 6.320 ng/ul m  
RT: 19.896 min Scan# 3763  
Delta R.T. -0.000 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

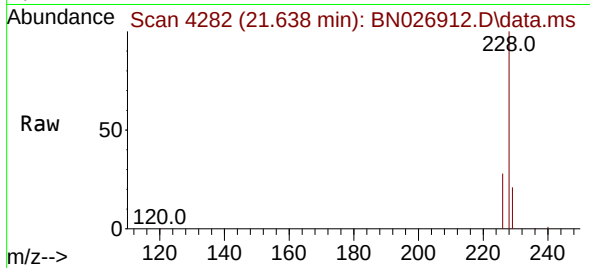
Tgt Ion:202 Resp: 1961436  
Ion Ratio Lower Upper  
202 100  
101 12.7 10.7 16.1  
100 10.0 8.5 12.7





#21  
Benzo(a)anthracene  
Concen: 4.407 ng/ul  
RT: 21.638 min Scan# 4301  
Delta R.T. -0.003 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

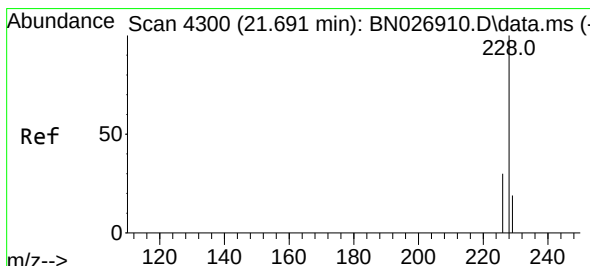
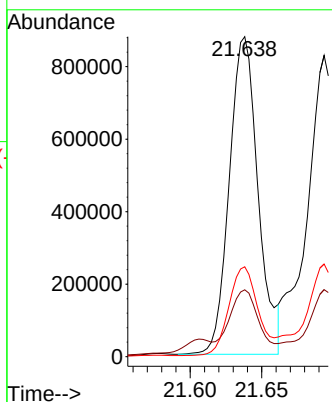
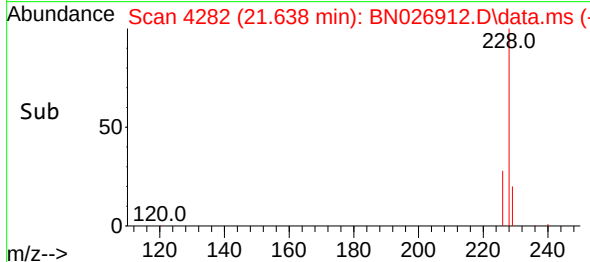
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:228 Resp: 1227402  
Ion Ratio Lower Upper  
228 100  
229 20.9 16.0 24.0  
226 28.1 22.2 33.2

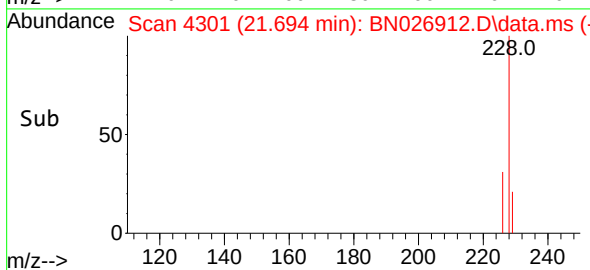
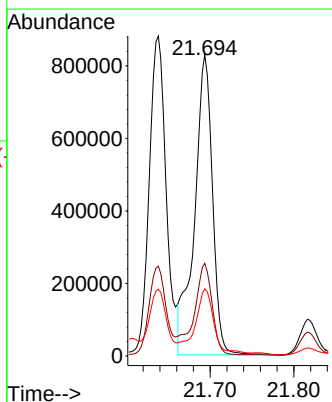
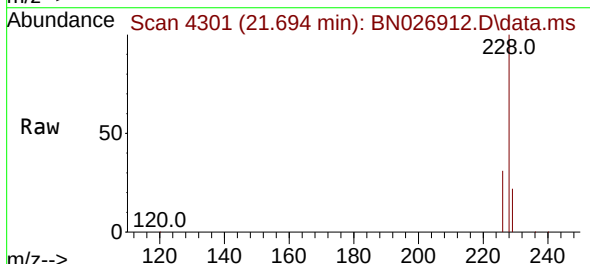
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023

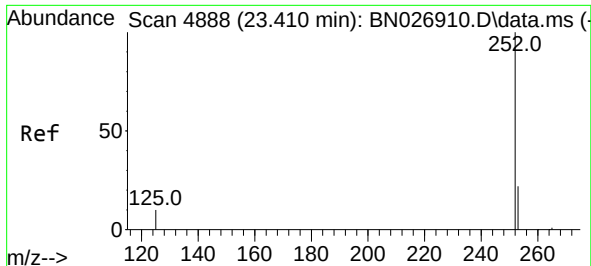


#22  
Chrysene  
Concen: 4.484 ng/ul  
RT: 21.694 min Scan# 4301  
Delta R.T. -0.006 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

Tgt Ion:228 Resp: 1232519  
Ion Ratio Lower Upper  
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226 30.8 24.6 36.8  
229 22.3 15.8 23.6

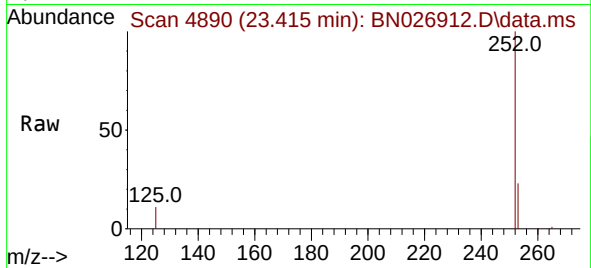






#24  
Benzo(b)fluoranthene  
Concen: 6.189 ng/ul m  
RT: 23.415 min Scan# 4888  
Delta R.T. -0.006 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

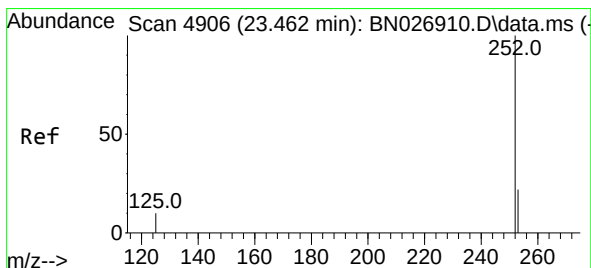
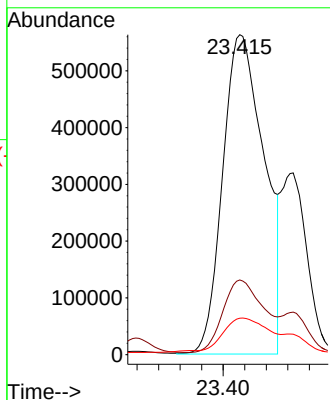
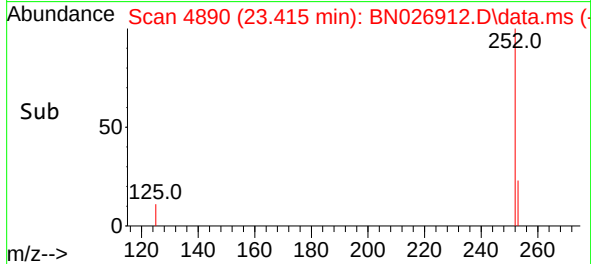
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:252 Resp: 150843  
Ion Ratio Lower Upper  
252 100  
253 23.3 0.0 46.8  
125 11.4 0.0 25.2

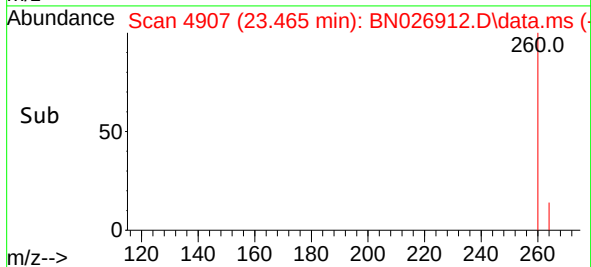
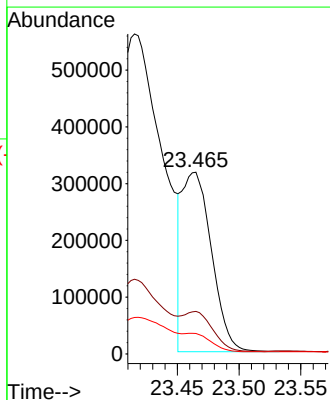
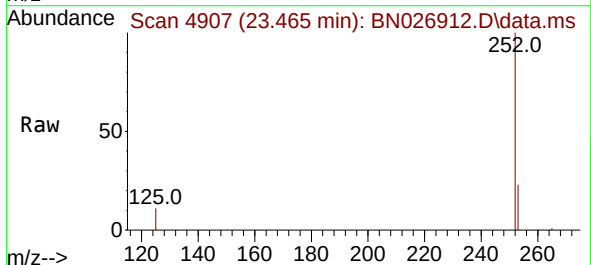
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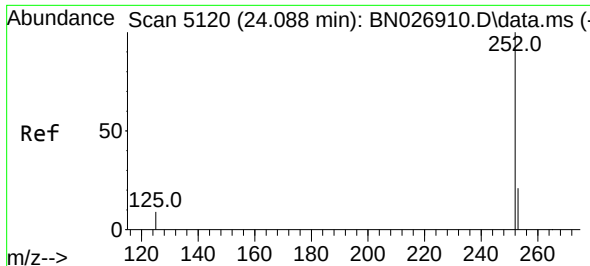
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#25  
Benzo(k)fluoranthene  
Concen: 2.182 ng/ul m  
RT: 23.465 min Scan# 4907  
Delta R.T. -0.009 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

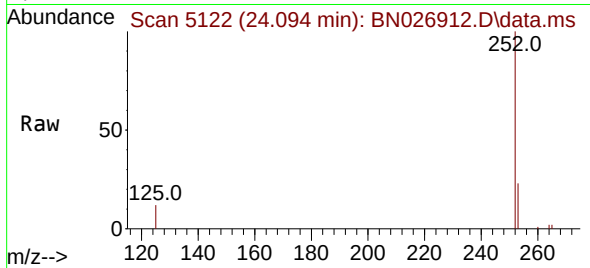
Tgt Ion:252 Resp: 524611  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.2 27.4  
125 11.3 9.9 14.9





#26  
Benzo(a)pyrene  
Concen: 4.881 ng/ul  
RT: 24.094 min Scan# 5120  
Delta R.T. -0.006 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

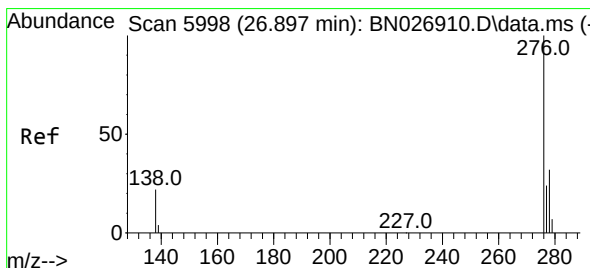
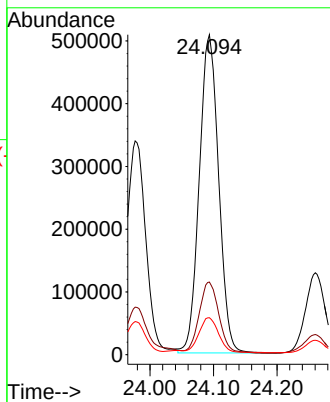
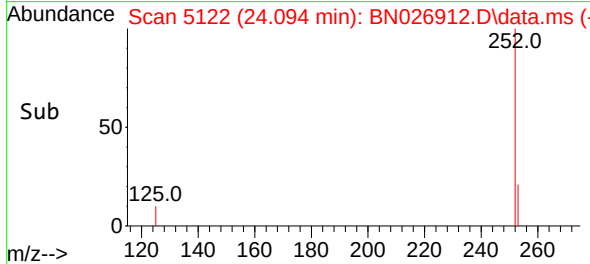
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



Tgt Ion:252 Resp: 1073494  
Ion Ratio Lower Upper  
252 100  
253 22.7 19.0 28.6  
125 11.6 11.4 17.0

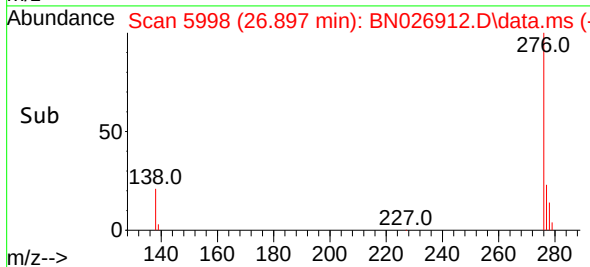
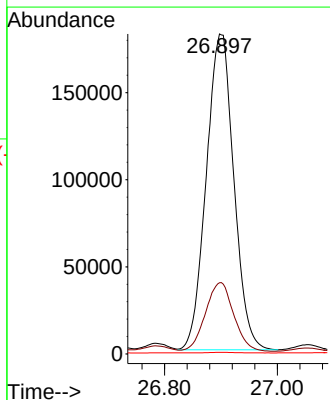
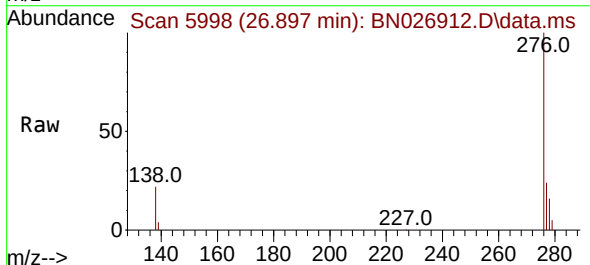
Manual Integrations  
APPROVED

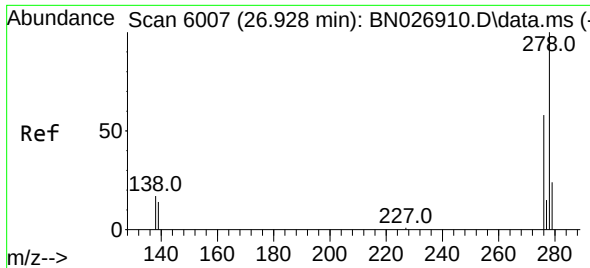
Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.134 ng/ul  
RT: 26.897 min Scan# 5998  
Delta R.T. -0.010 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

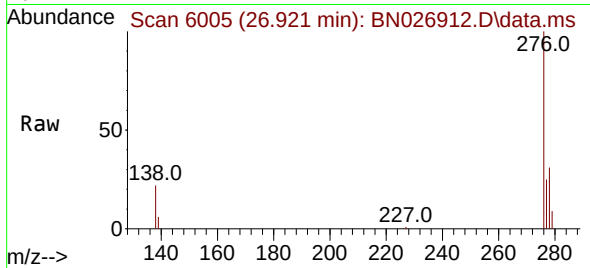
Tgt Ion:276 Resp: 614121  
Ion Ratio Lower Upper  
276 100  
138 22.3 21.6 32.4  
227 0.2 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.652 ng/ul  
RT: 26.921 min Scan# 6005  
Delta R.T. -0.017 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31

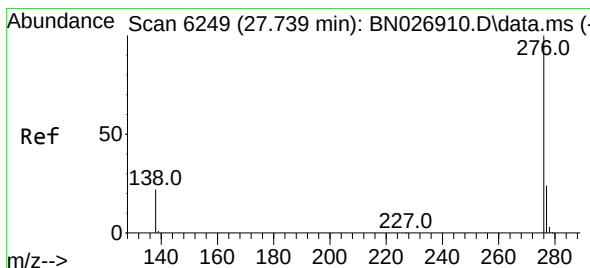
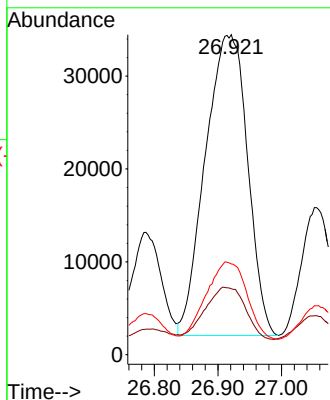
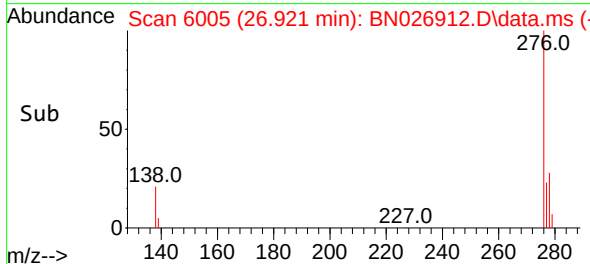
Instrument :  
BNA\_N  
ClientSampleId :  
A48J5



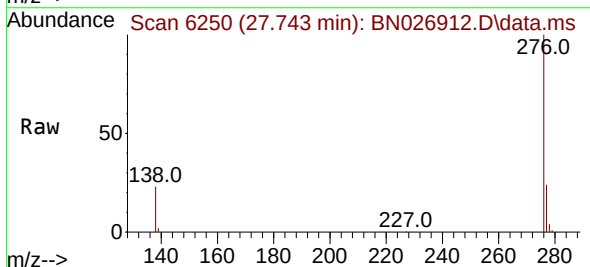
Tgt Ion:278 Resp: 14944  
Ion Ratio Lower Upper  
278 100  
139 20.6 15.7 23.5  
279 28.3 20.2 30.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/16/2023  
Supervised By :Sohil Jodhani 08/16/2023



#29  
Benzo(g,h,i)perylene  
Concen: 2.239 ng/ul  
RT: 27.743 min Scan# 6250  
Delta R.T. -0.004 min  
Lab File: BN026912.D  
Acq: 15 Aug 2023 22:31



Tgt Ion:276 Resp: 536361  
Ion Ratio Lower Upper  
276 100  
138 23.2 19.3 28.9  
277 24.4 19.8 29.8

