

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
 Data File : BN019887.D  
 Acq On : 21 May 2022 02:02  
 Operator : CG/JU  
 Sample : N2843-15  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW4J5

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022

Quant Time: May 26 05:10:10 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 01:41:05 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.851  | 152  | 3582     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.639 | 136  | 12286    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.474 | 164  | 7986     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.213 | 188  | 16785    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.400 | 240  | 14610    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.738 | 264  | 12778    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.315  | 96   | 17763    | 4.190 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.229 | 152  | 5495     | 0.296 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.239 | 212  | 13535    | 0.293 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.689 | 128  | 1844     | 0.046 | ng/ul# | 88       |
| 7) 2-Methylnaphthalene      | 12.300 | 142  | 1926     | 0.079 | ng/ul# | 100      |
| 8) 1-Methylnaphthalene      | 12.520 | 142  | 1492     | 0.066 | ng/ul# | 100      |
| 11) Acenaphthene            | 14.534 | 153  | 790      | 0.025 | ng/ul# | 89       |
| 12) Fluorene                | 15.520 | 166  | 1431     | 0.041 | ng/ul# | 77       |
| 15) Phenanthrene            | 17.251 | 178  | 12331    | 0.200 | ng/ul# | 86       |
| 19) Fluoranthene            | 19.272 | 202  | 10208    | 0.153 | ng/ul# | 93       |
| 20) Pyrene                  | 19.634 | 202  | 11109m   | 0.166 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.382 | 228  | 3939     | 0.072 | ng/ul# | 54       |
| 22) Chrysene                | 21.435 | 228  | 6717     | 0.104 | ng/ul# | 59       |
| 24) Benzo(b)fluoranthene    | 23.031 | 252  | 5736m    | 0.088 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.074 | 252  | 1434m    | 0.023 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.639 | 252  | 3411     | 0.062 | ng/ul# | 1        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.141 | 276  | 2198     | 0.032 | ng/ul# | 79       |
| 29) Benzo(g,h,i)perylene    | 26.876 | 276  | 2006     | 0.032 | ng/ul# | 23       |
| -----                       |        |      |          |       |        |          |

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

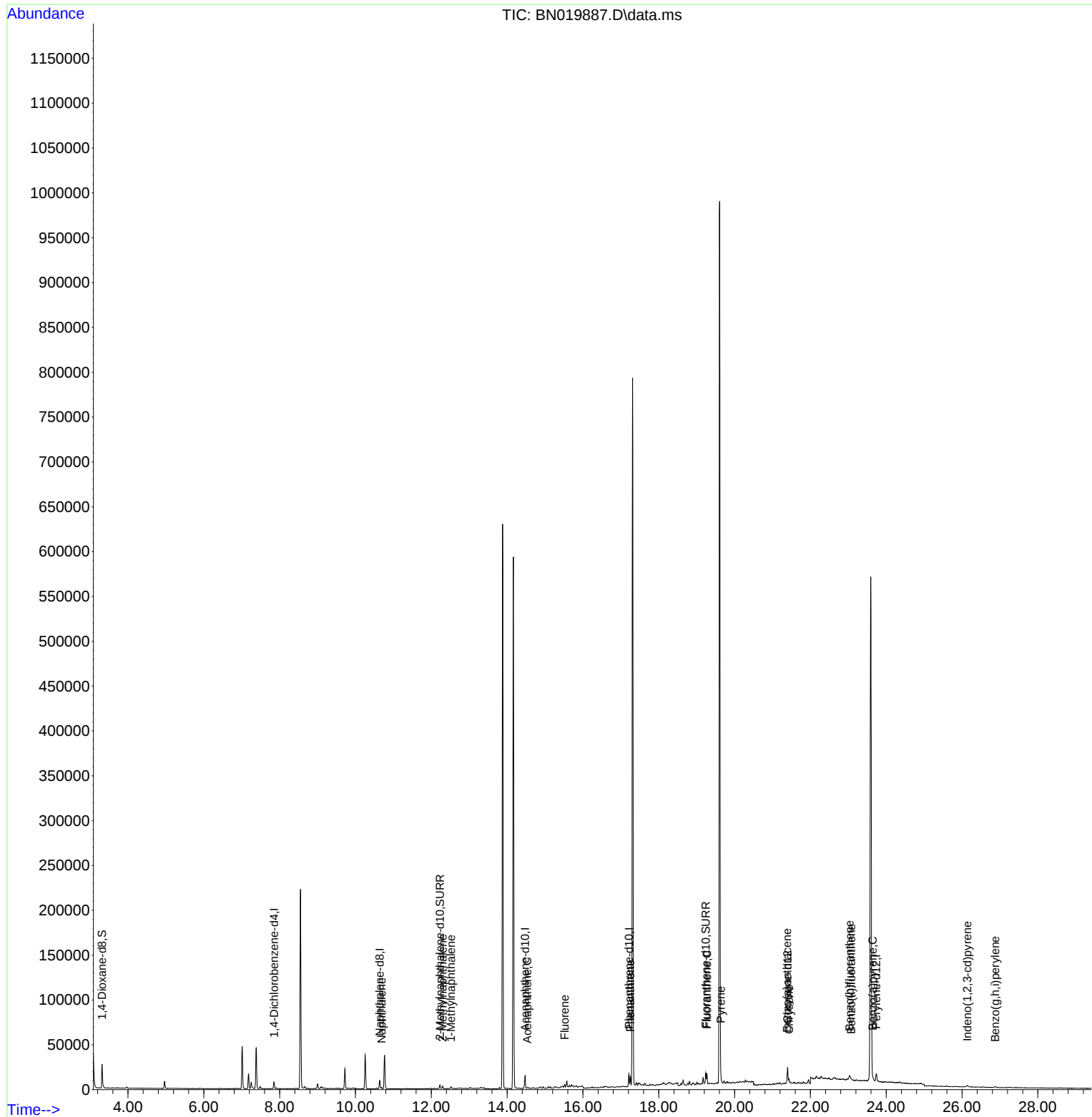
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
Data File : BN019887.D  
Acq On : 21 May 2022 02:02  
Operator : CG/JU  
Sample : N2843-15  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

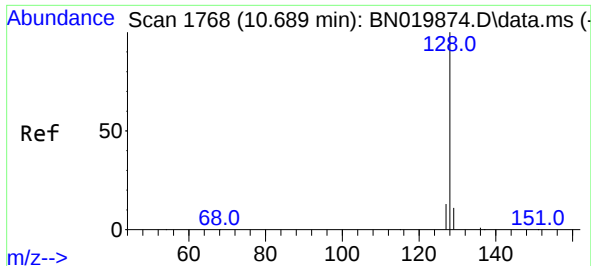
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

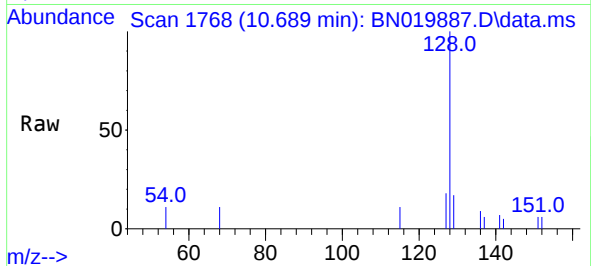
Quant Time: May 26 05:10:10 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 17 01:41:05 2022  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.046 ng/ul  
RT: 10.689 min Scan# 1768  
Delta R.T. -0.005 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

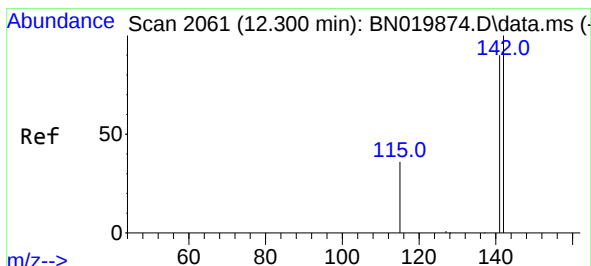
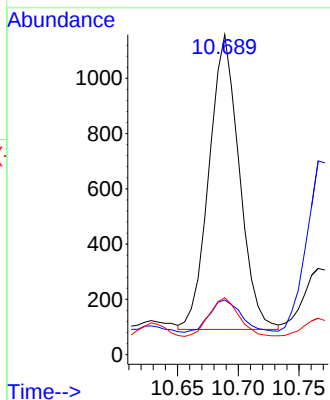
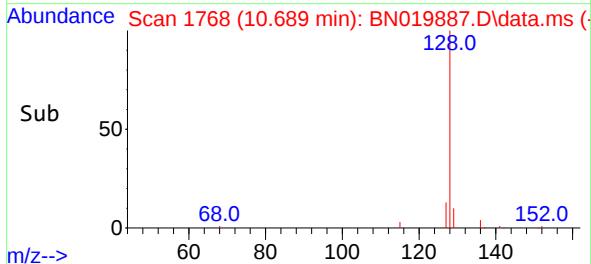
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



Tgt Ion:128 Resp: 1844  
Ion Ratio Lower Upper  
128 100  
129 17.1 9.5 14.3  
127 17.8 11.0 16.4

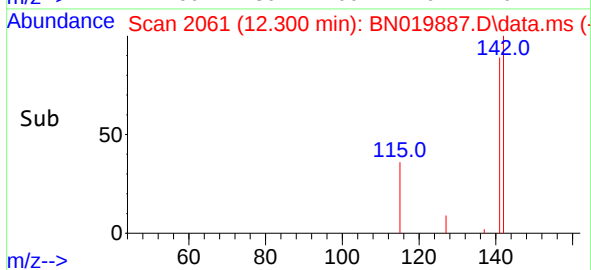
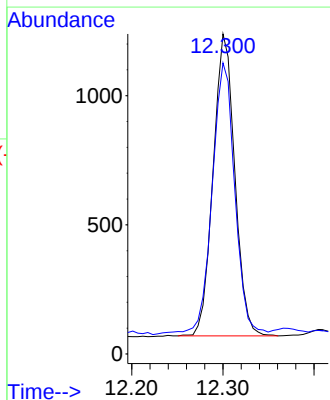
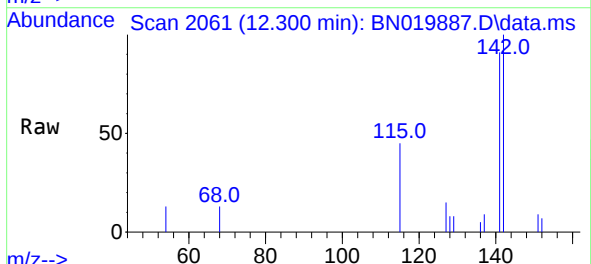
Manual Integrations  
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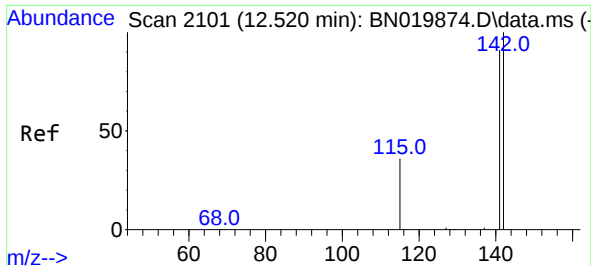
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022



#7  
2-Methylnaphthalene  
Concen: 0.079 ng/ul  
RT: 12.300 min Scan# 2061  
Delta R.T. -0.005 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

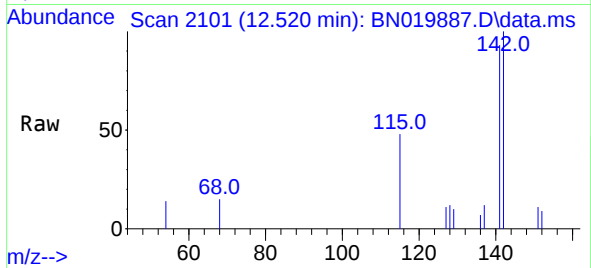
Tgt Ion:142 Resp: 1926  
Ion Ratio Lower Upper  
142 100  
141 94.7 0.0 0.0#





#8  
1-Methylnaphthalene  
Concen: 0.066 ng/u1  
RT: 12.520 min Scan# 2101  
Delta R.T. -0.005 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

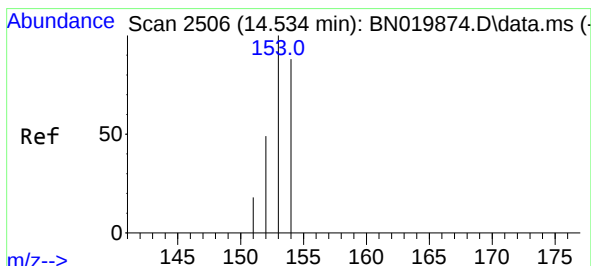
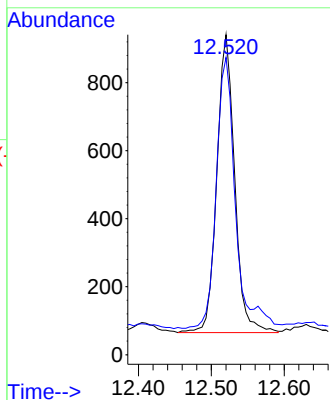
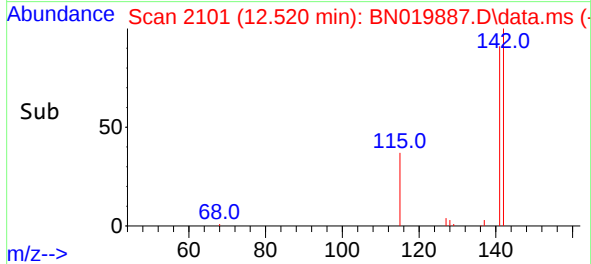
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



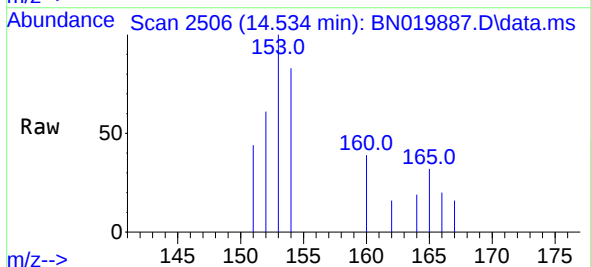
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Ion Ratio Lower Upper  
142 100  
141 97.3 0.0 0.0

Manual Integrations  
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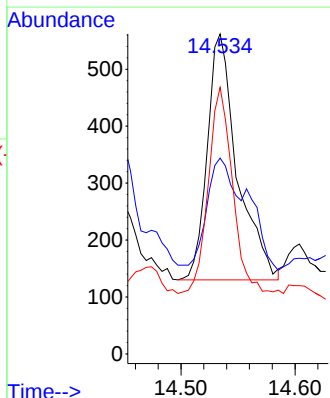
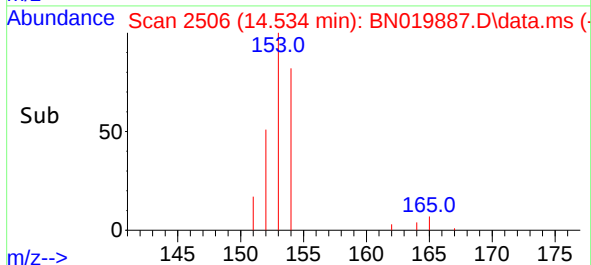
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

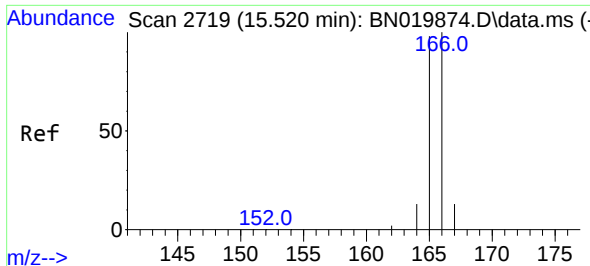


#11  
Acenaphthene  
Concen: 0.025 ng/u1  
RT: 14.534 min Scan# 2506  
Delta R.T. -0.005 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02



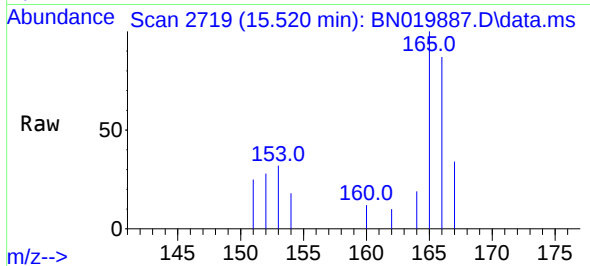
Tgt Ion:153 Resp: 790  
Ion Ratio Lower Upper  
153 100  
152 61.2 38.6 57.8#  
154 83.3 71.2 106.8





#12  
Fluorene  
Concen: 0.041 ng/ul  
RT: 15.520 min Scan# 2119  
Delta R.T. -0.005 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

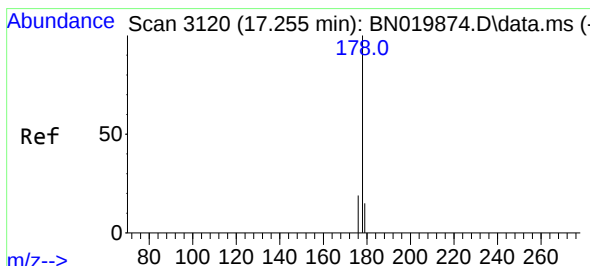
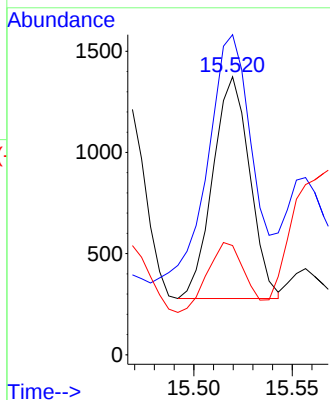
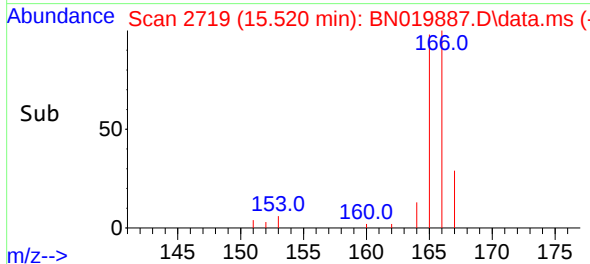
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



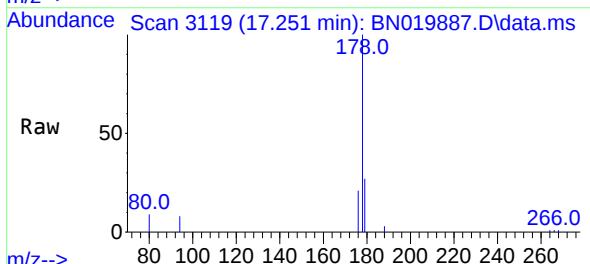
Tgt Ion:166 Resp: 1431  
Ion Ratio Lower Upper  
166 100  
165 115.1 78.2 117.2  
167 39.3 11.3 16.9

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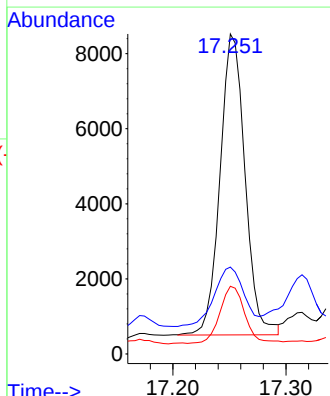
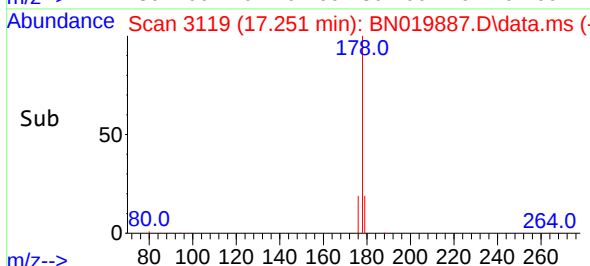
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

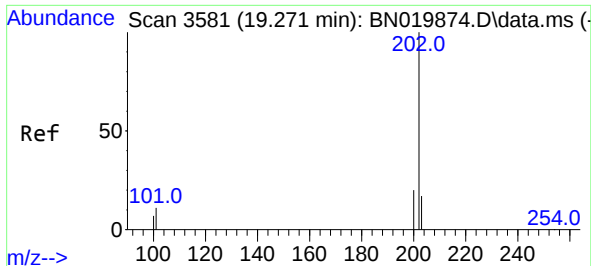


#15  
Phenanthrene  
Concen: 0.200 ng/ul  
RT: 17.251 min Scan# 3119  
Delta R.T. -0.004 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02



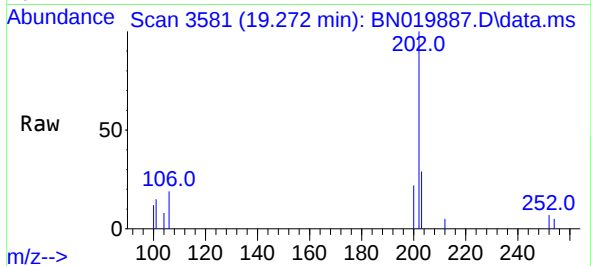
Tgt Ion:178 Resp: 12331  
Ion Ratio Lower Upper  
178 100  
179 27.1 12.9 19.3#  
176 21.1 15.5 23.3





#19  
Fluoranthene  
Concen: 0.153 ng/u1  
RT: 19.272 min Scan# 3581  
Delta R.T. 0.000 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

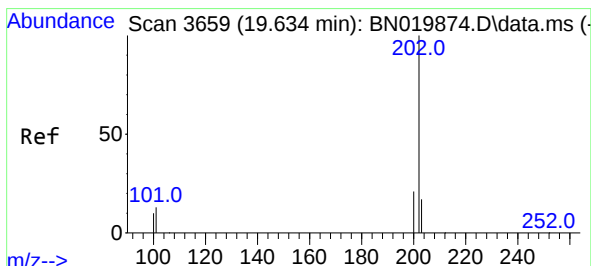
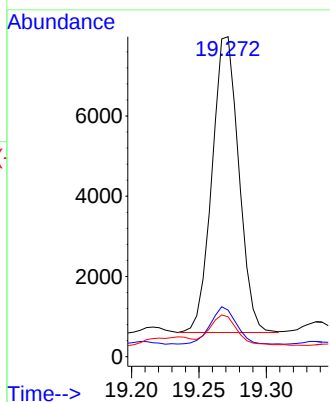
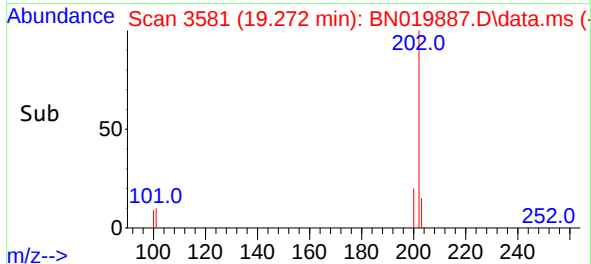
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



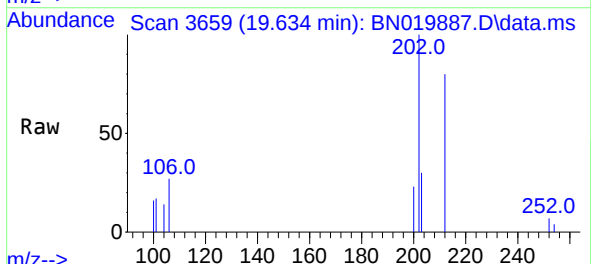
Tgt Ion:202 Resp: 10208  
Ion Ratio Lower Upper  
202 100  
101 14.6 9.7 14.5  
100 12.5 7.4 11.2

Manual Integrations  
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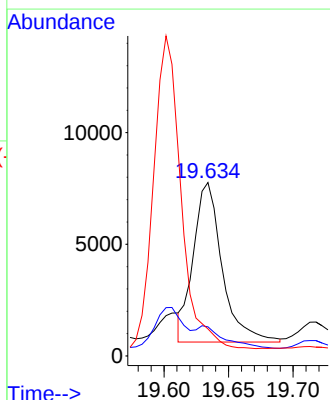
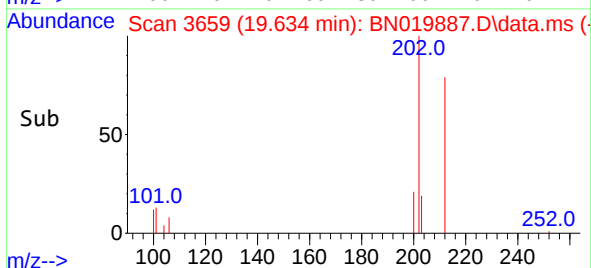
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

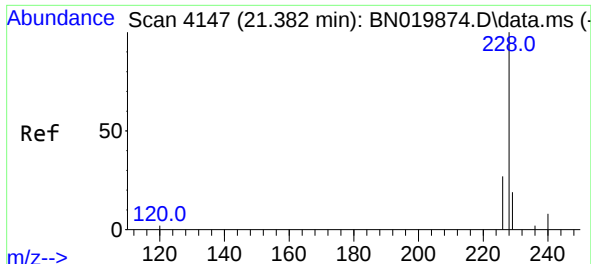


#20  
Pyrene  
Concen: 0.166 ng/u1 m  
RT: 19.634 min Scan# 3659  
Delta R.T. 0.000 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02



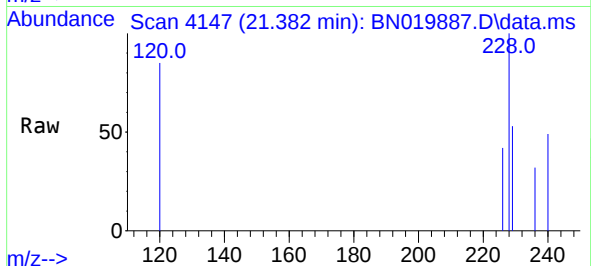
Tgt Ion:202 Resp: 11109  
Ion Ratio Lower Upper  
202 100  
101 16.8 11.4 17.0  
100 15.6 9.0 13.4





#21  
Benzo(a)anthracene  
Concen: 0.072 ng/u1  
RT: 21.382 min Scan# 4147  
Delta R.T. -0.006 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

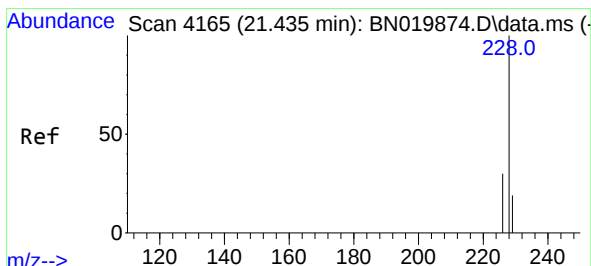
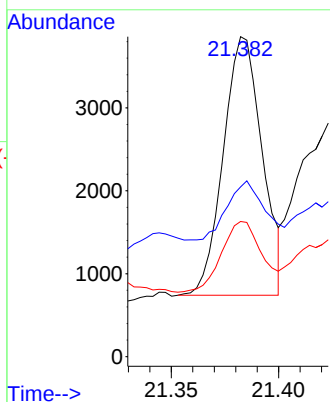
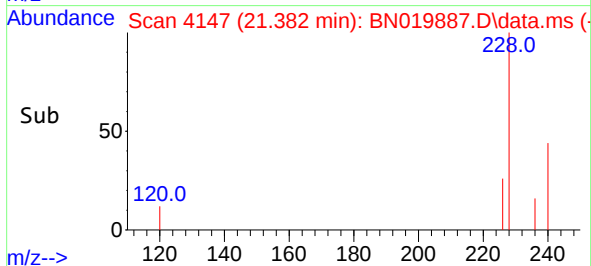
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



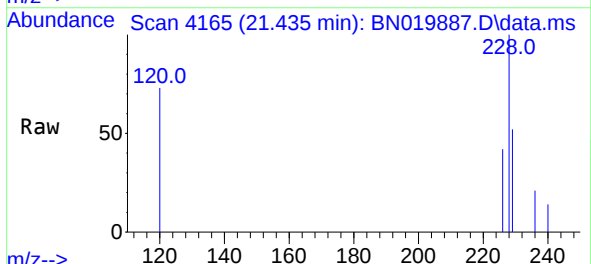
Tgt Ion:228 Resp: 3939  
Ion Ratio Lower Upper  
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226 42.3 22.1 33.1#

Manual Integrations  
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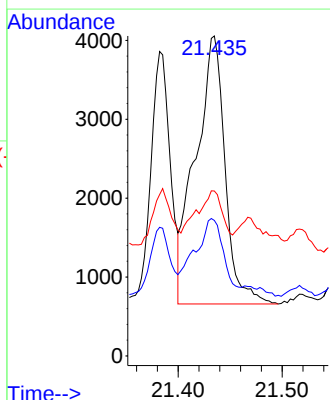
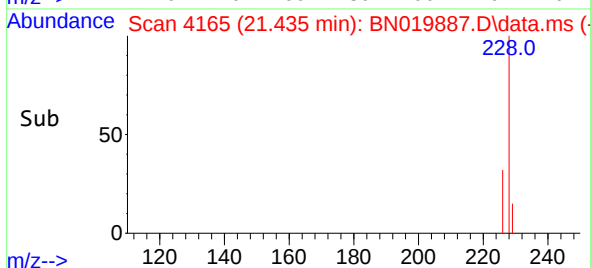
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

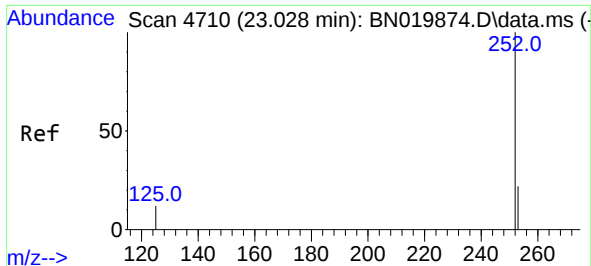


#22  
Chrysene  
Concen: 0.104 ng/u1  
RT: 21.435 min Scan# 4165  
Delta R.T. -0.006 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02



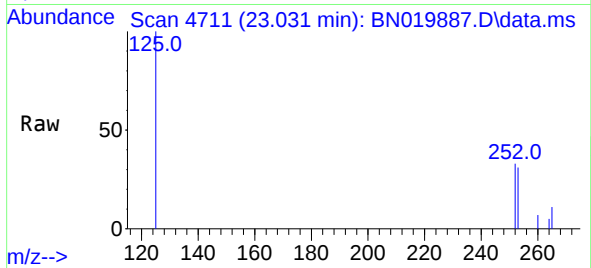
Tgt Ion:228 Resp: 6717  
Ion Ratio Lower Upper  
228 100  
226 42.4 24.2 36.2#  
229 51.5 16.0 24.0#





#24  
Benzo(b)fluoranthene  
Concen: 0.088 ng/ul m  
RT: 23.031 min Scan# 4711  
Delta R.T. -0.003 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

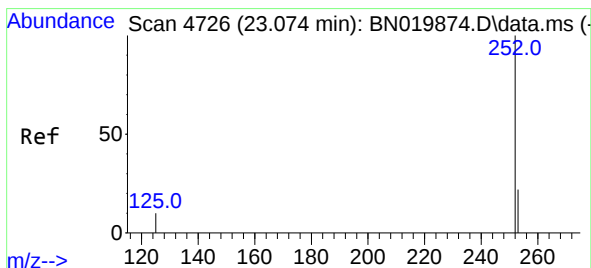
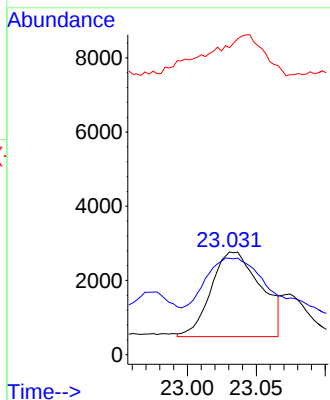
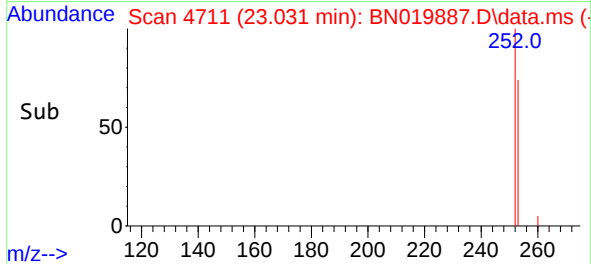
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



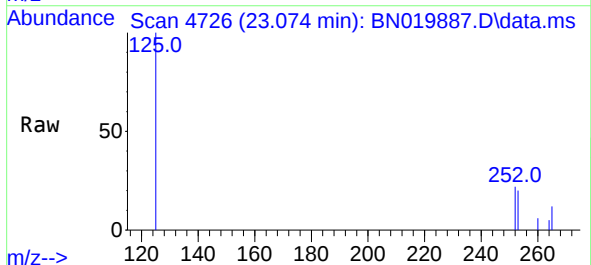
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252 100  
253 93.8 0.0 52.0#  
125 298.9 0.0 40.2#

Manual Integrations  
APPROVED

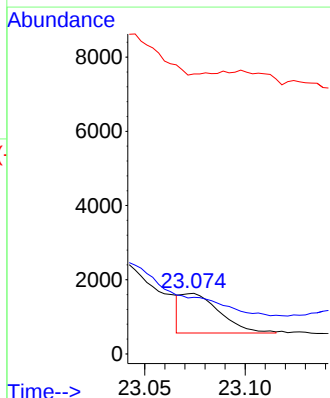
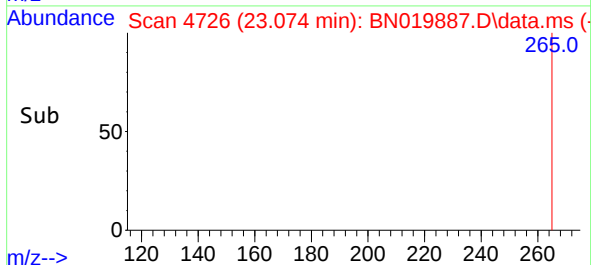
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

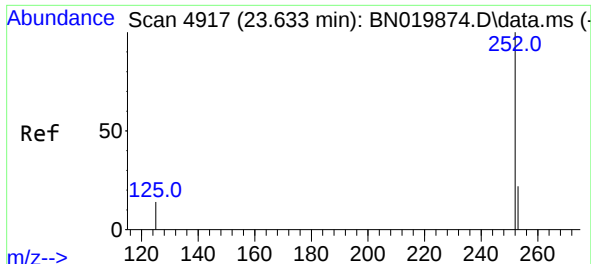


#25  
Benzo(k)fluoranthene  
Concen: 0.023 ng/ul m  
RT: 23.074 min Scan# 4726  
Delta R.T. -0.006 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02



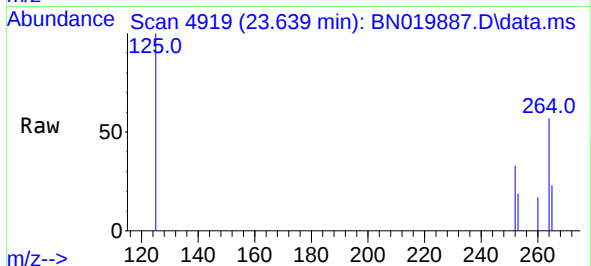
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Ion Ratio Lower Upper  
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253 93.3 20.2 30.2#  
125 461.2 11.0 16.6#





#26  
Benzo(a)pyrene  
Concen: 0.062 ng/ul  
RT: 23.639 min Scan# 4917  
Delta R.T. 0.000 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02

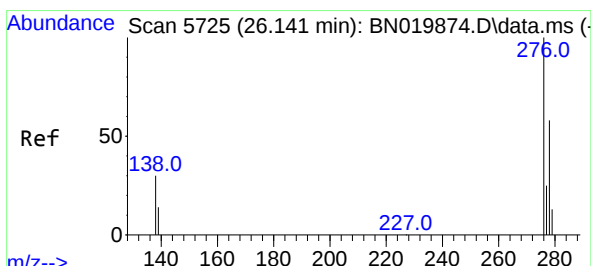
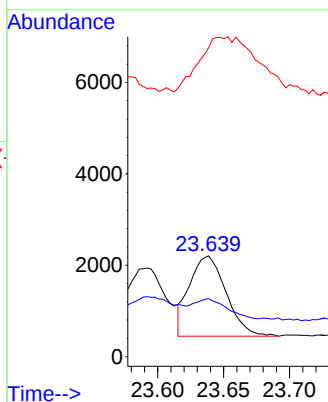
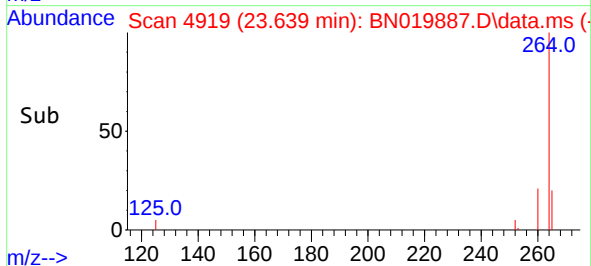
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J5



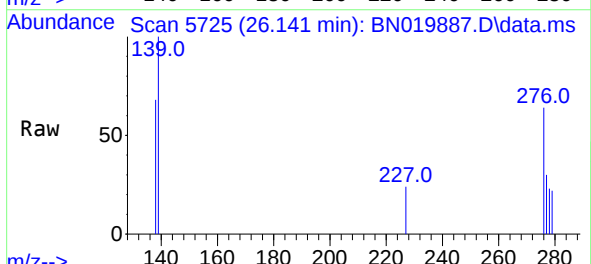
Tgt Ion:252 Resp: 341  
Ion Ratio Lower Upper  
252 100  
253 57.4 23.4 35.0#  
125 306.8 28.3 42.5#

Manual Integrations  
APPROVED

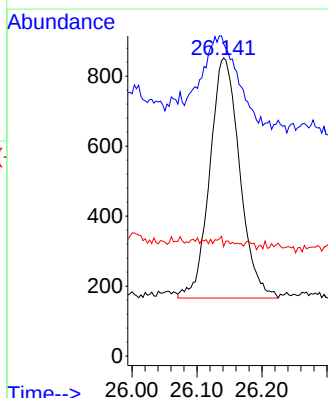
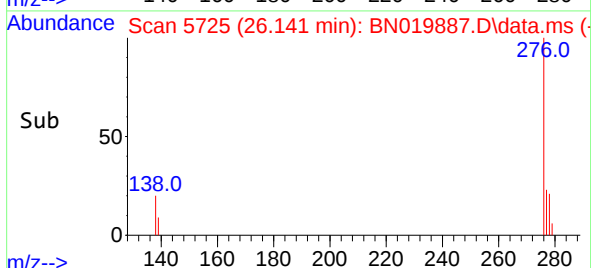
Reviewed By :Jagrut Upadhyay 05/26/2022  
Supervised By :mohammad ahmed 05/27/2022

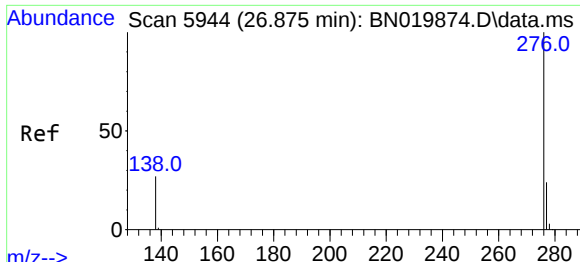


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.032 ng/ul  
RT: 26.141 min Scan# 5725  
Delta R.T. -0.007 min  
Lab File: BN019887.D  
Acq: 21 May 2022 02:02



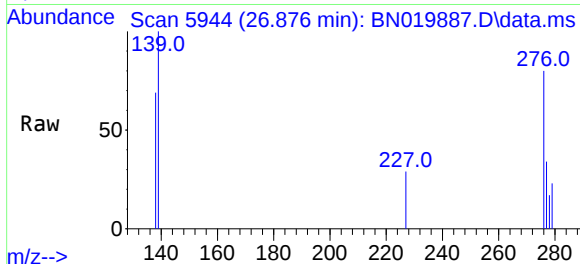
Tgt Ion:276 Resp: 2198  
Ion Ratio Lower Upper  
276 100  
138 40.9 23.6 35.4#  
227 1.2 0.0 0.0#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.032 ng/ul  
 RT: 26.876 min Scan# 5944  
 Delta R.T. -0.003 min  
 Lab File: BN019887.D  
 Acq: 21 May 2022 02:02

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW4J5



Tgt Ion: 276 Resp: 2000

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 86.4  | 20.9  | 31.3  |
| 277 | 42.9  | 20.4  | 30.6  |

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 05/26/2022  
 Supervised By :mohammad ahmed 05/27/2022

