

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062423\  
 Data File : BN025985.D  
 Acq On : 24 Jun 2023 01:43  
 Operator : MA/JU  
 Sample : 03083-01DL 5X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFJ9DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/24/2023  
 Supervised By :mohammad ahmed 06/25/2023

Quant Time: Jun 24 02:48:56 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 : Thu Jun 22 01:27:41 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.980  | 152  | 7121     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.792 | 136  | 22252    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.617 | 164  | 13991    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.360 | 188  | 30881    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.544 | 240  | 22320    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.011 | 264  | 17310    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.331  | 96   | 3879     | 0.484 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.381 | 152  | 1292     | 0.038 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.387 | 212  | 3144     | 0.037 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.842 | 128  | 21902    | 0.343 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.453 | 142  | 10368    | 0.255 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.667 | 142  | 7616     | 0.181 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.340 | 152  | 38958    | 0.595 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.677 | 153  | 2766     | 0.052 | ng/ul  | 96       |
| 12) Fluorene                | 15.663 | 166  | 4631     | 0.075 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.403 | 178  | 106807   | 1.047 | ng/ul  | 100      |
| 16) Anthracene              | 17.495 | 178  | 18150    | 0.200 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.415 | 202  | 250541   | 2.102 | ng/ul  | 99       |
| 20) Pyrene                  | 19.778 | 202  | 118602   | 0.956 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.527 | 228  | 110934   | 1.205 | ng/ul  | 97       |
| 22) Chrysene                | 21.582 | 228  | 122793   | 1.282 | ng/ul# | 96       |
| 24) Benzo(b)fluoranthene    | 23.257 | 252  | 163854m  | 2.218 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.301 | 252  | 54350m   | 0.733 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.903 | 252  | 30327    | 0.473 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.589 | 276  | 36073    | 0.515 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.602 | 278  | 17687    | 0.333 | ng/ul  | 92       |
| 29) Benzo(g,h,i)perylene    | 27.387 | 276  | 2402     | 0.039 | ng/ul# | 24       |
| -----                       |        |      |          |       |        |          |

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

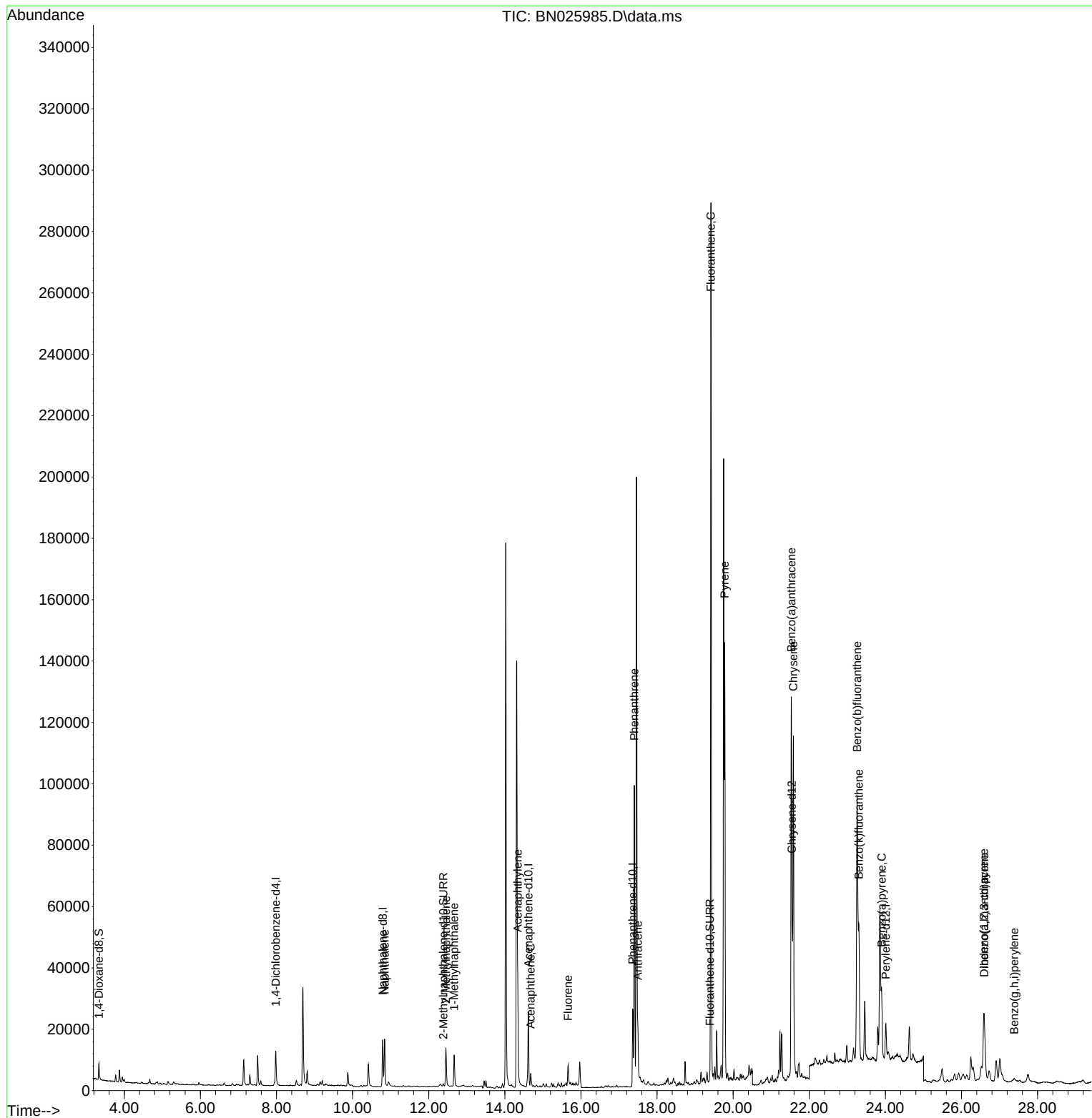
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062423\  
Data File : BN025985.D  
Acq On : 24 Jun 2023 01:43  
Operator : MA/JU  
Sample : 03083-01DL 5X  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

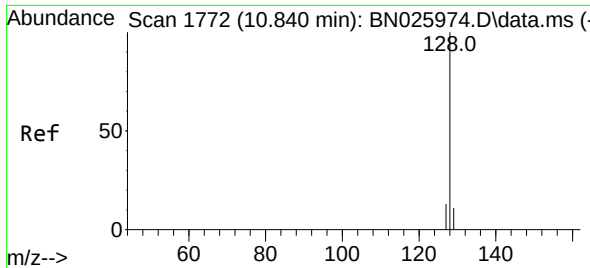
Instrument :  
BNA\_N  
ClientSampleId :  
DCFJ9DL

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Supervised By :mohammad ahmed 06/25/2023

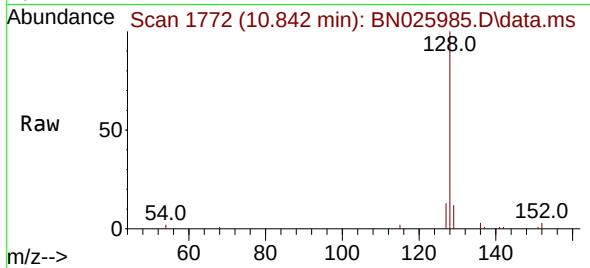
Quant Time: Jun 24 02:48:56 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 22 01:27:41 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.343 ng/ul  
RT: 10.842 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

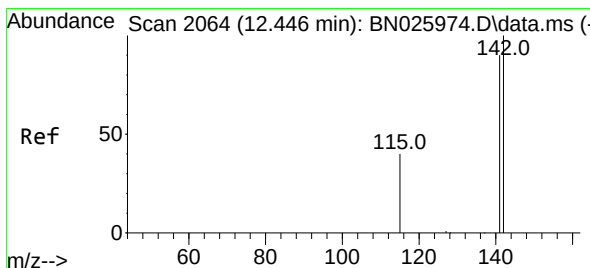
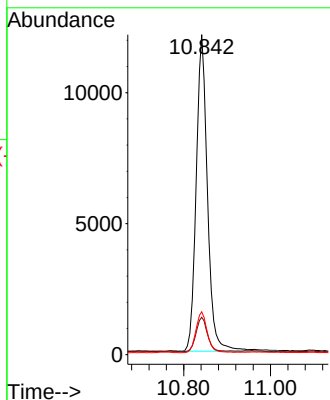
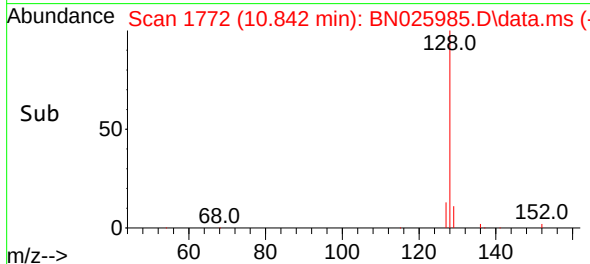
Instrument :  
BNA\_N  
ClientSampleId :  
DCFJ9DL



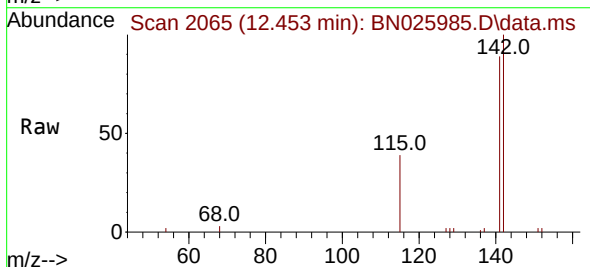
Tgt Ion:128 Resp: 2190  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.1 13.7  
127 13.4 10.7 16.1

Manual Integrations  
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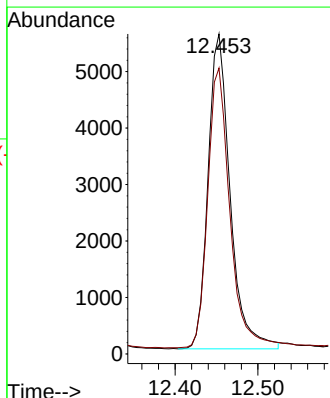
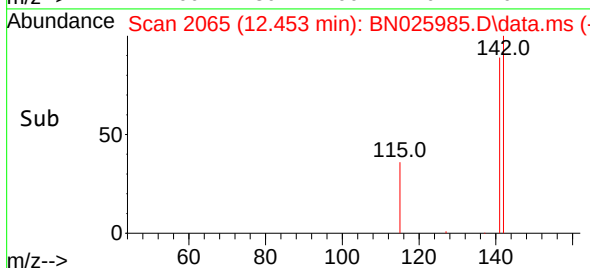
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023

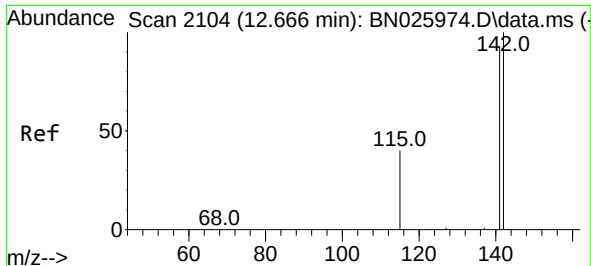


#7  
2-Methylnaphthalene  
Concen: 0.255 ng/ul  
RT: 12.453 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43



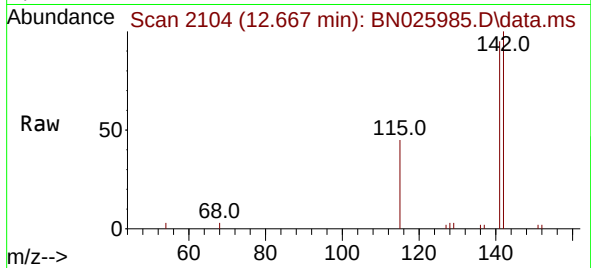
Tgt Ion:142 Resp: 10368  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.181 ng/ul  
RT: 12.667 min Scan# 2104  
Delta R.T. -0.006 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

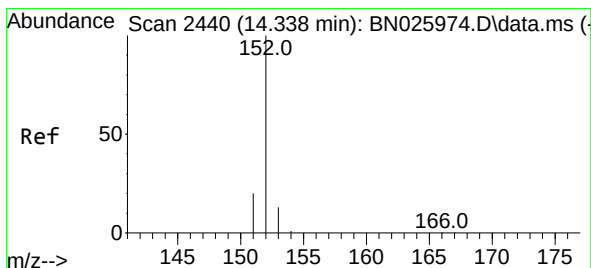
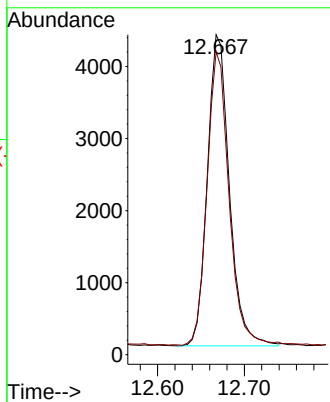
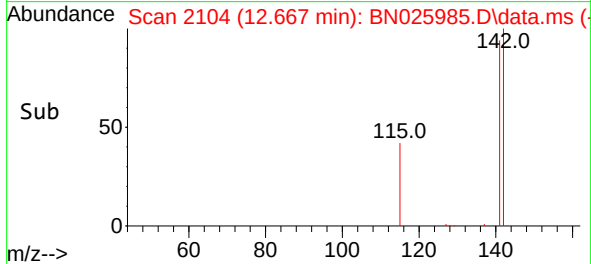
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:142 Resp: 7610  
Ion Ratio Lower Upper  
142 100  
141 93.4 74.2 111.4

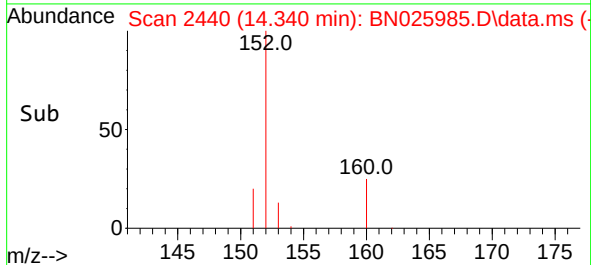
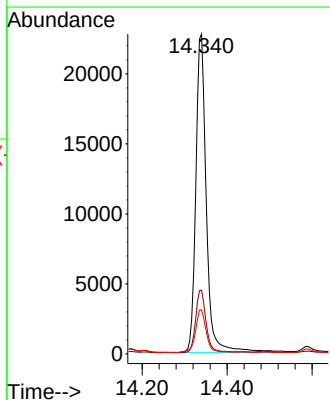
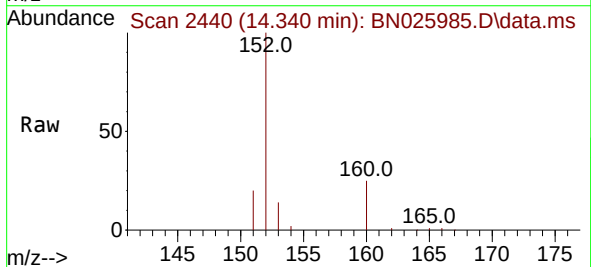
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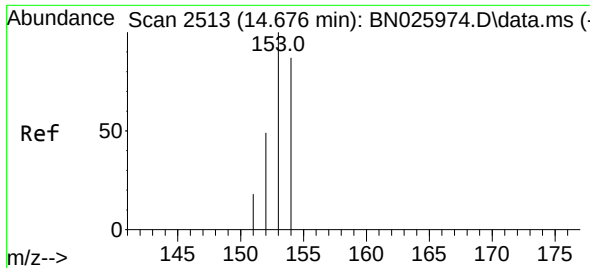
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023



#10  
Acenaphthylene  
Concen: 0.595 ng/ul  
RT: 14.340 min Scan# 2440  
Delta R.T. -0.004 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

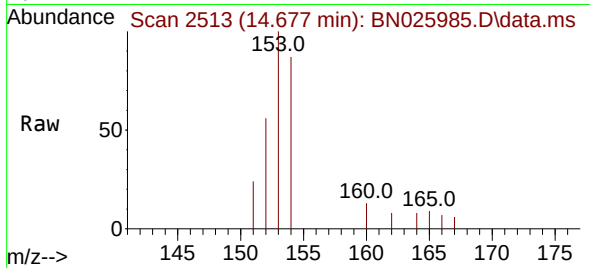
Tgt Ion:152 Resp: 38958  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.4  
153 13.8 10.9 16.3





#11  
Acenaphthene  
Concen: 0.052 ng/u1  
RT: 14.677 min Scan# 21  
Delta R.T. -0.004 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

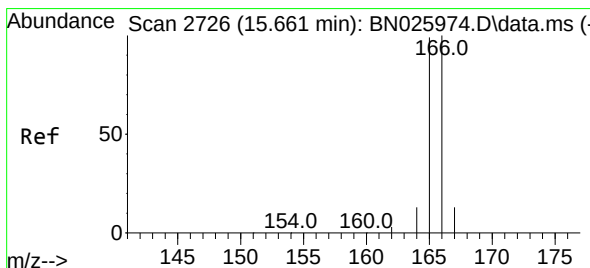
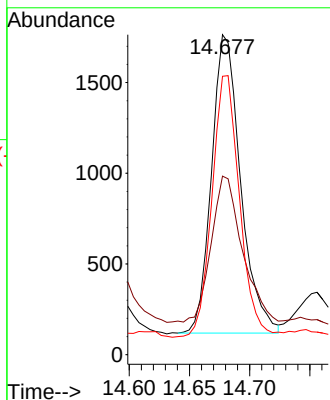
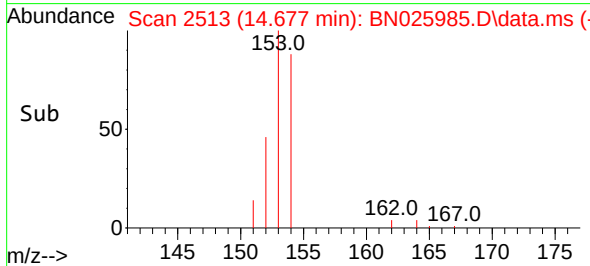
Instrument :  
BNA\_N  
ClientSampleId :  
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Tgt Ion:153 Resp: 2760  
Ion Ratio Lower Upper  
153 100  
152 55.8 39.4 59.0  
154 87.0 68.9 103.3

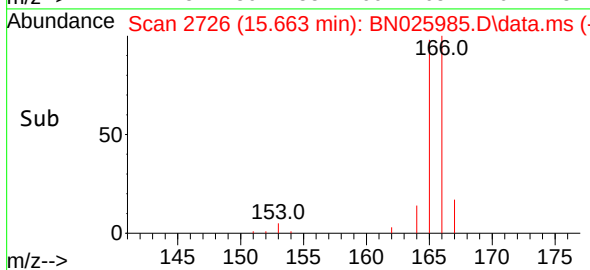
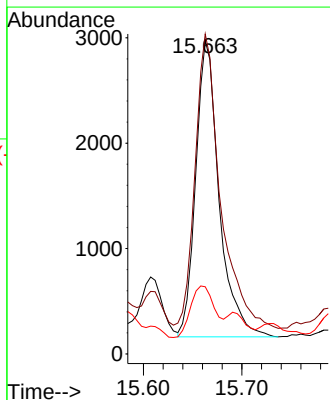
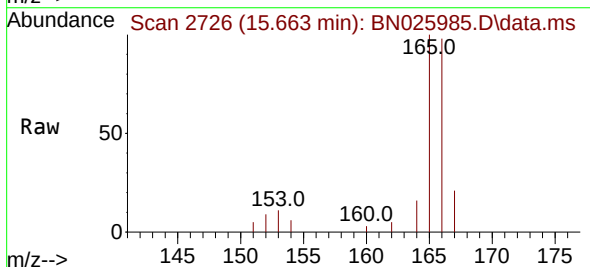
Manual Integrations  
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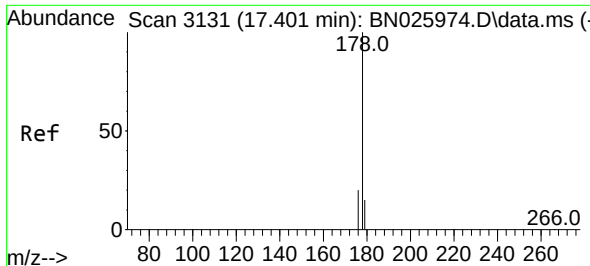
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023



#12  
Fluorene  
Concen: 0.075 ng/u1  
RT: 15.663 min Scan# 2726  
Delta R.T. -0.004 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

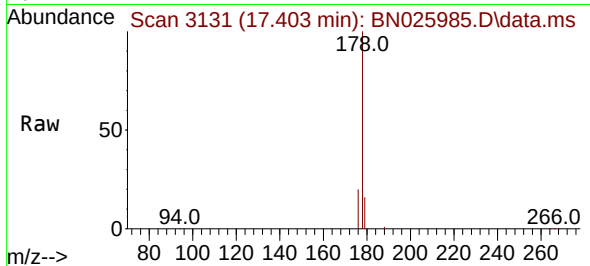
Tgt Ion:166 Resp: 4631  
Ion Ratio Lower Upper  
166 100  
165 102.1 79.9 119.9  
167 21.4 10.8 16.2#





#15  
Phenanthrene  
Concen: 1.047 ng/ul  
RT: 17.403 min Scan# 3131  
Delta R.T. -0.003 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

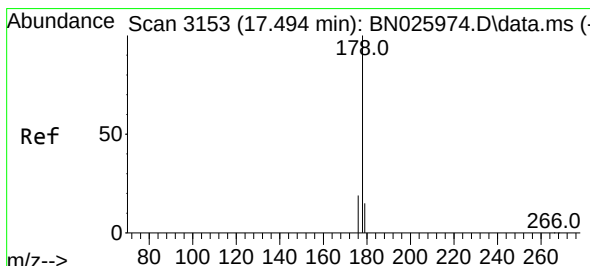
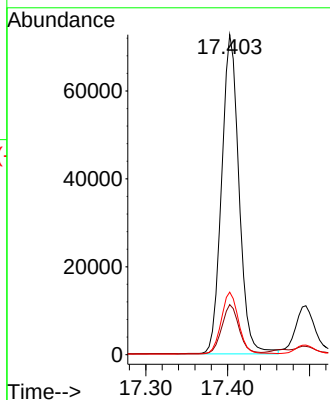
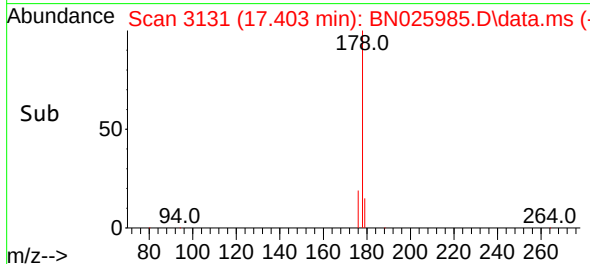
Instrument :  
BNA\_N  
ClientSampleId :  
DCFJ9DL



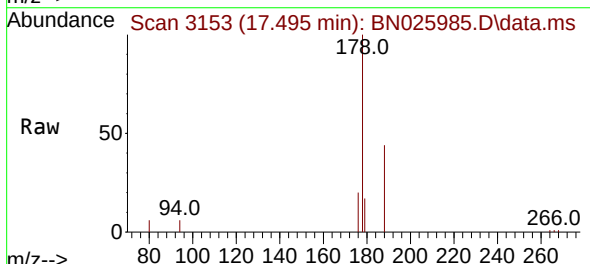
Tgt Ion:178 Resp: 10680  
Ion Ratio Lower Upper  
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176 19.6 15.8 23.6

Manual Integrations  
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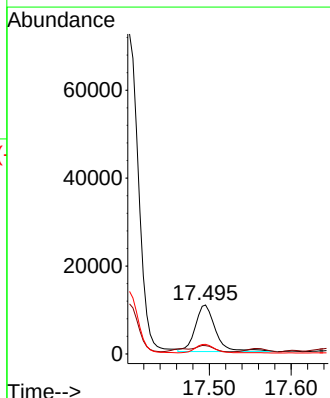
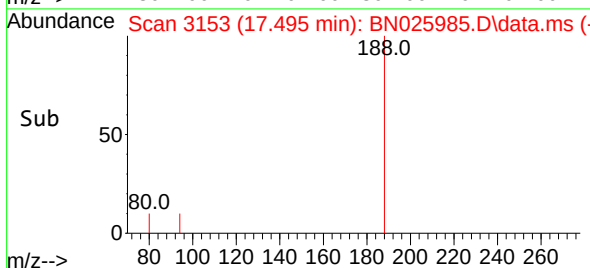
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023

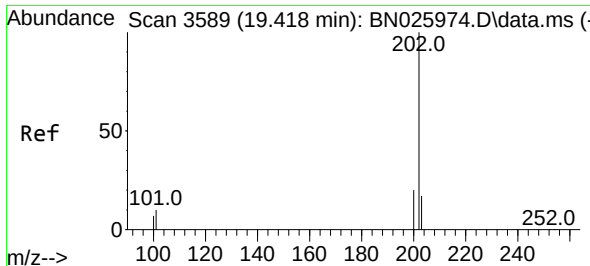


#16  
Anthracene  
Concen: 0.200 ng/ul  
RT: 17.495 min Scan# 3153  
Delta R.T. -0.003 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43



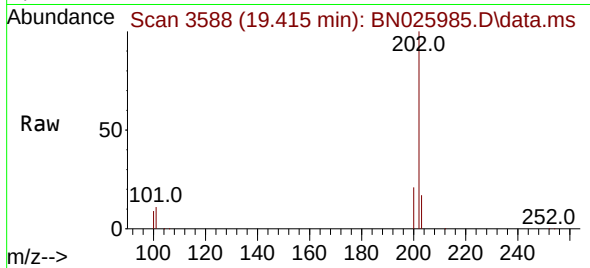
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Ion Ratio Lower Upper  
178 100  
179 17.1 12.6 18.8  
176 19.6 15.1 22.7





#19  
Fluoranthene  
Concen: 2.102 ng/u1  
RT: 19.415 min Scan# 3588  
Delta R.T. -0.004 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

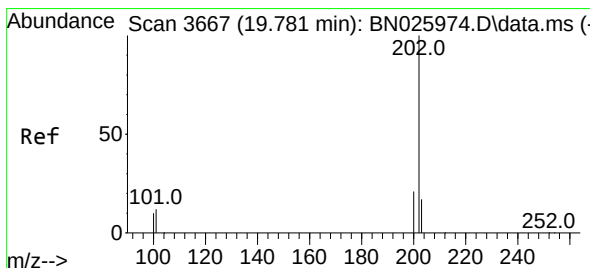
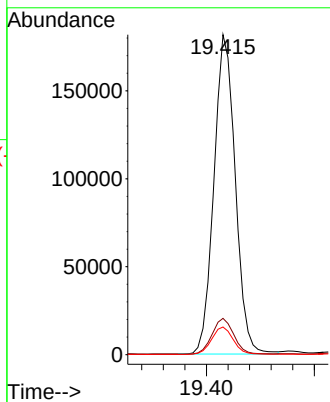
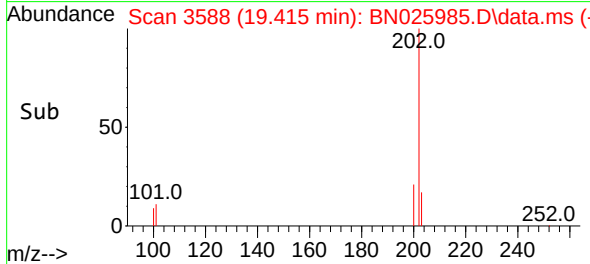
Instrument :  
BNA\_N  
ClientSampleId :  
DCFJ9DL



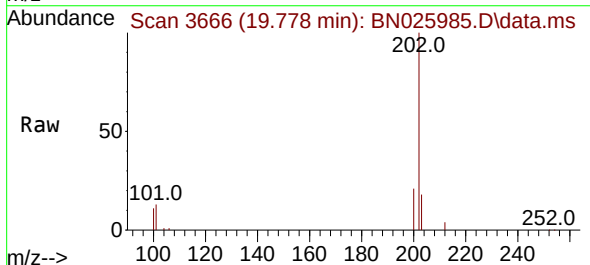
Tgt Ion:202 Resp: 25054  
Ion Ratio Lower Upper  
202 100  
101 11.3 9.5 14.3  
100 8.7 7.3 10.9

Manual Integrations  
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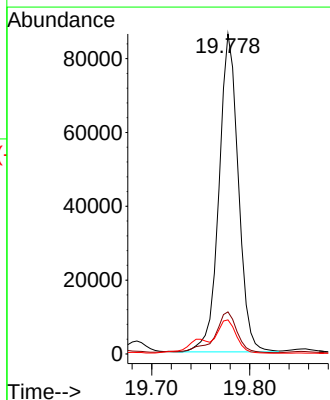
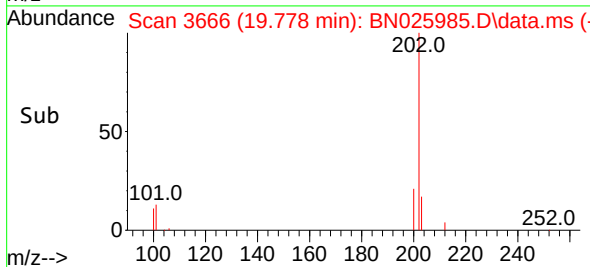
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023

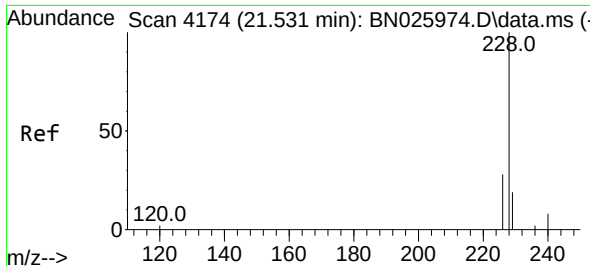


#20  
Pyrene  
Concen: 0.956 ng/u1  
RT: 19.778 min Scan# 3666  
Delta R.T. -0.004 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43



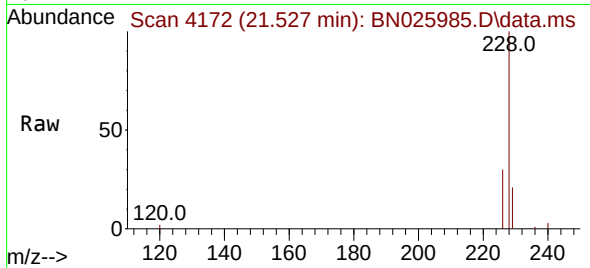
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Ion Ratio Lower Upper  
202 100  
101 13.2 11.4 17.0  
100 10.6 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 1.205 ng/ul  
RT: 21.527 min Scan# 4172  
Delta R.T. -0.005 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

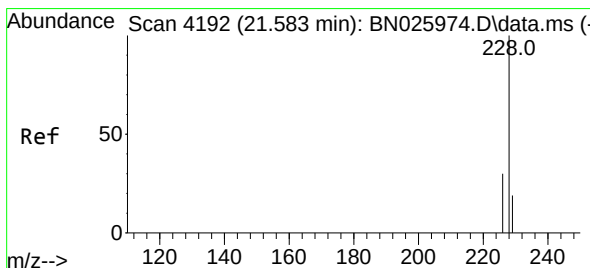
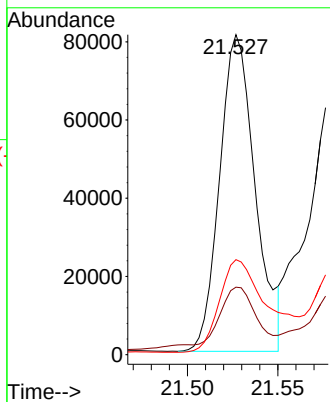
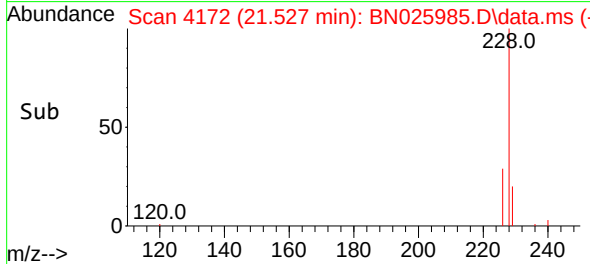
Instrument :  
BNA\_N  
ClientSampleId :  
DCFJ9DL



Tgt Ion:228 Resp: 110934  
Ion Ratio Lower Upper  
228 100  
229 21.1 15.8 23.6  
226 29.7 22.5 33.7

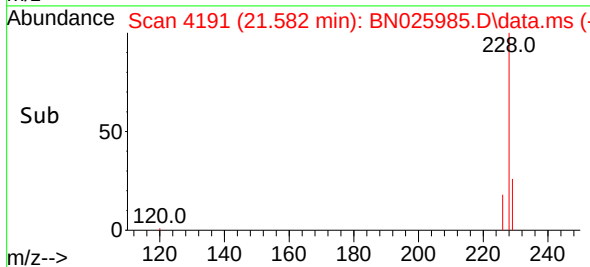
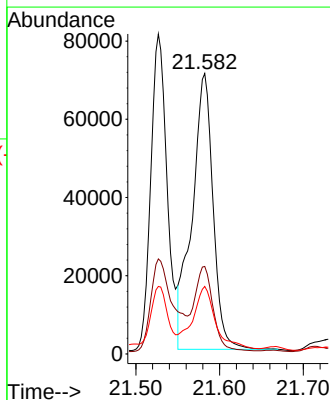
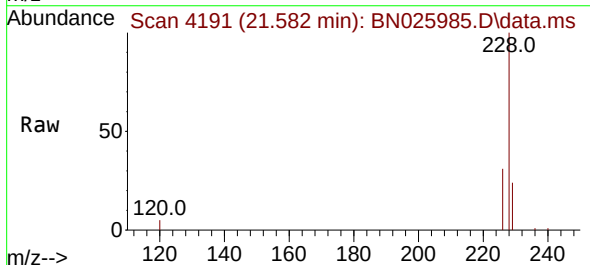
Manual Integrations  
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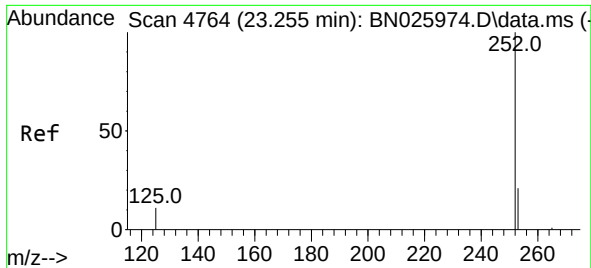


#22  
Chrysene  
Concen: 1.282 ng/ul  
RT: 21.582 min Scan# 4191  
Delta R.T. -0.002 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

Tgt Ion:228 Resp: 122793  
Ion Ratio Lower Upper  
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226 31.2 24.8 37.2  
229 24.1 15.7 23.5#

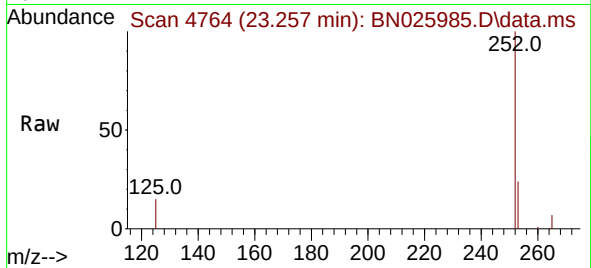






#24  
Benzo(b)fluoranthene  
Concen: 2.218 ng/ul m  
RT: 23.257 min Scan# 4764  
Delta R.T. 0.001 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

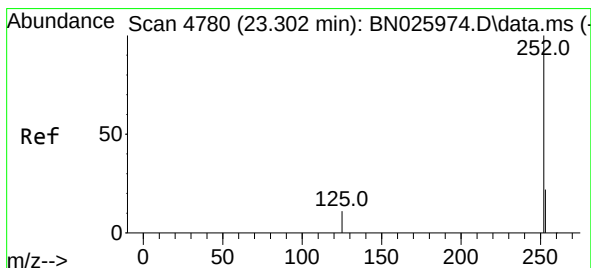
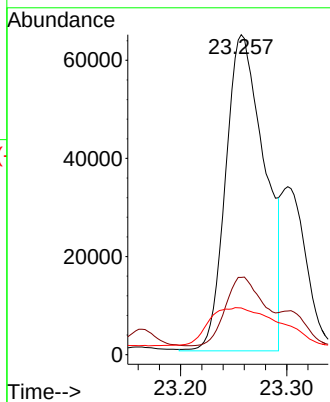
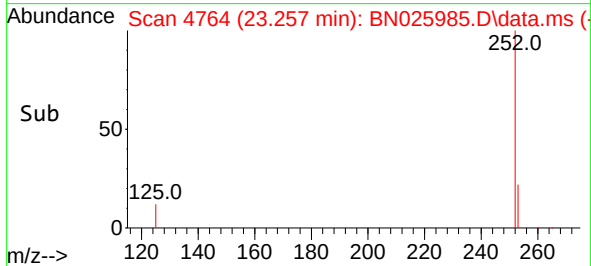
Instrument :  
BNA\_N  
ClientSampleId :  
DCFJ9DL



Tgt Ion:252 Resp: 163854  
Ion Ratio Lower Upper  
252 100  
253 24.2 0.0 55.6  
125 14.6 0.0 35.8

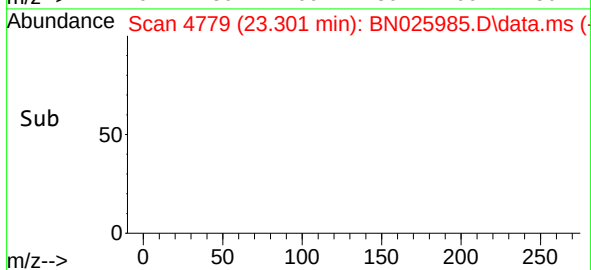
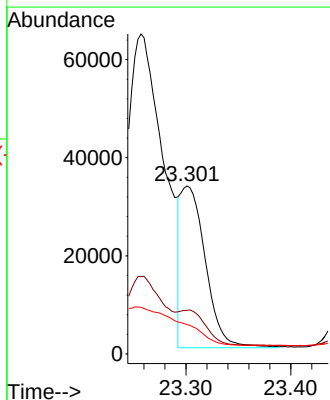
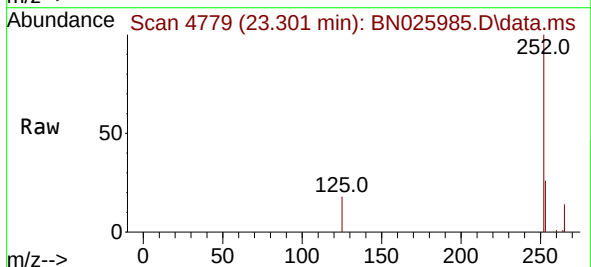
Manual Integrations  
APPROVED

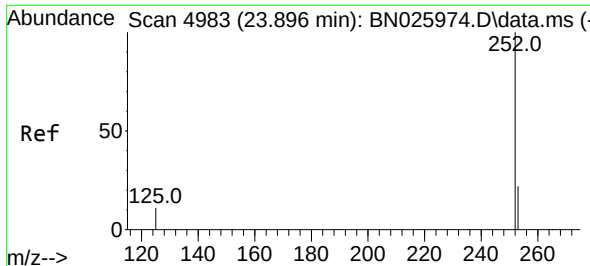
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.733 ng/ul m  
RT: 23.301 min Scan# 4779  
Delta R.T. -0.008 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

Tgt Ion:252 Resp: 54350  
Ion Ratio Lower Upper  
252 100  
253 26.0 23.2 34.8  
125 17.6 15.0 22.4





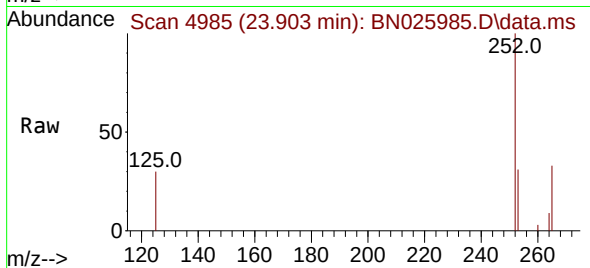
#26  
Benzo(a)pyrene  
Concen: 0.473 ng/ul  
RT: 23.903 min Scan# 4985  
Delta R.T. -0.005 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

Instrument :

BNA\_N

ClientSampleId :

DCFJ9DL

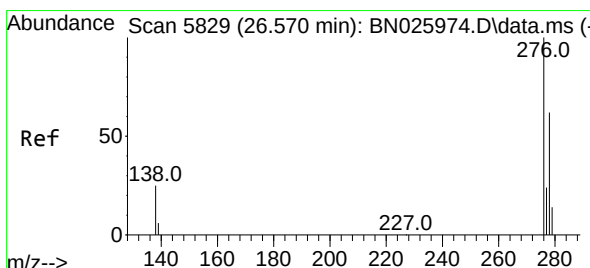
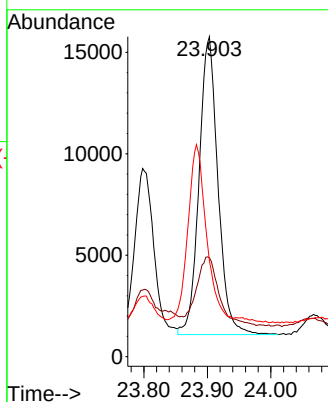
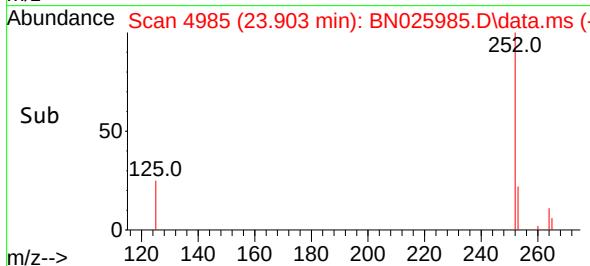


Tgt Ion:252 Resp: 3032  
Ion Ratio Lower Upper  
252 100  
253 30.9 26.0 39.0  
125 30.0 17.3 25.9

Manual Integrations

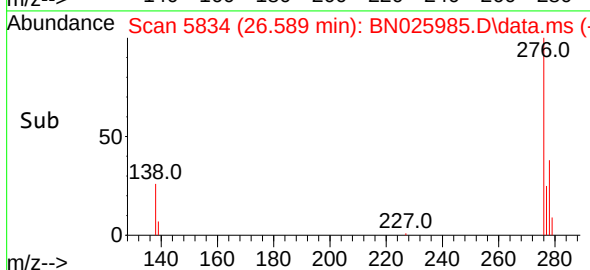
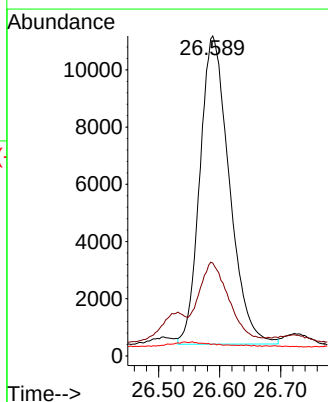
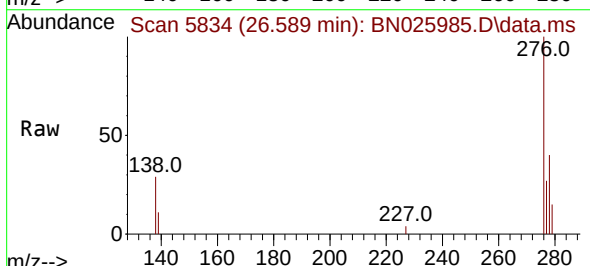
APPROVED

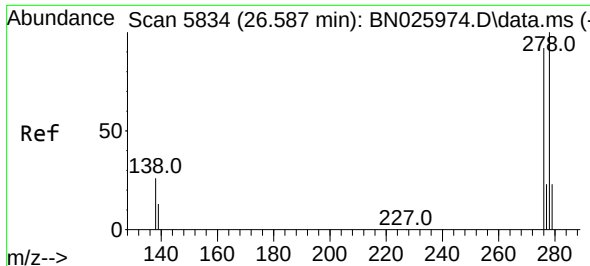
Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.515 ng/ul  
RT: 26.589 min Scan# 5834  
Delta R.T. -0.006 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

Tgt Ion:276 Resp: 36073  
Ion Ratio Lower Upper  
276 100  
138 25.0 24.5 36.7  
227 0.0 0.0 0.0





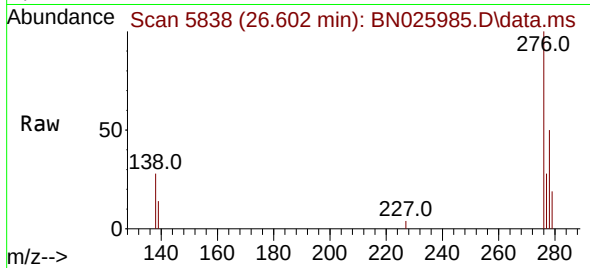
#28  
Dibenzo(a,h)anthracene  
Concen: 0.333 ng/ul  
RT: 26.602 min Scan# 51  
Delta R.T. -0.019 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43

Instrument :

BNA\_N

ClientSampleId :

DCFJ9DL

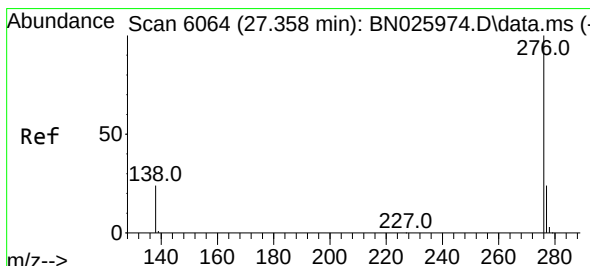
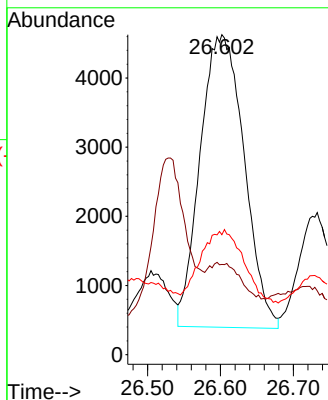
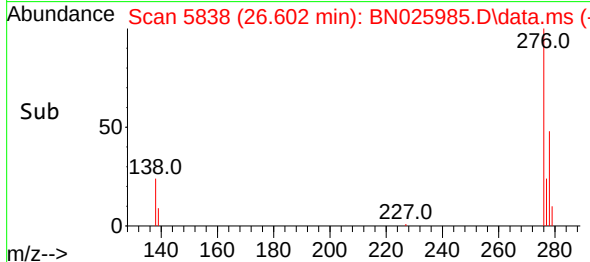


Tgt Ion:278 Resp: 1768  
Ion Ratio Lower Upper  
278 100  
139 28.2 19.0 28.4  
279 37.5 26.7 40.1

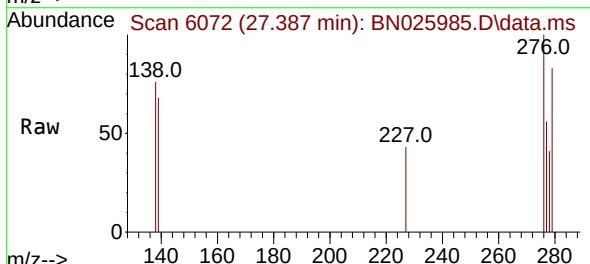
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/24/2023  
Supervised By :mohammad ahmed 06/25/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.039 ng/ul  
RT: 27.387 min Scan# 6072  
Delta R.T. 0.001 min  
Lab File: BN025985.D  
Acq: 24 Jun 2023 01:43



Tgt Ion:276 Resp: 2402  
Ion Ratio Lower Upper  
276 100  
138 76.4 23.4 35.0#  
277 56.1 20.0 30.0#

