

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062223\  
 Data File : BN025942.D  
 Acq On : 22 Jun 2023 17:58  
 Operator : MA/JU  
 Sample : 03083-19  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DCFL7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023  
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 01:04:09 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  | 7778     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.791 | 136  | 24638    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.616 | 164  | 15358    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.363 | 188  | 30558    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.548 | 240  | 15358    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.015 | 264  | 15493    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.335  | 96   | 23299    | 2.660 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.380 | 152  | 9013     | 0.238 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.386 | 212  | 18517    | 0.317 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.840 | 128  | 25652    | 0.363 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.451 | 142  | 15336    | 0.341 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.671 | 142  | 9339     | 0.200 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.338 | 152  | 18260    | 0.254 | ng/ul  | 96       |
| 11) Acenaphthene            | 14.681 | 153  | 4509     | 0.077 | ng/ul  | 97       |
| 12) Fluorene                | 15.666 | 166  | 4545     | 0.067 | ng/ul# | 91       |
| 15) Phenanthrene            | 17.405 | 178  | 173438   | 1.718 | ng/ul  | 99       |
| 16) Anthracene              | 17.494 | 178  | 28519    | 0.318 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.418 | 202  | 419071   | 5.109 | ng/ul  | 98       |
| 20) Pyrene                  | 19.781 | 202  | 324235   | 3.800 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.531 | 228  | 154167   | 2.433 | ng/ul  | 96       |
| 22) Chrysene                | 21.583 | 228  | 188236   | 2.855 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.261 | 252  | 246525m  | 3.728 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.302 | 252  | 76058m   | 1.145 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.910 | 252  | 141103   | 2.457 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.593 | 276  | 119305   | 1.902 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.603 | 278  | 29183    | 0.615 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.395 | 276  | 119580   | 2.143 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

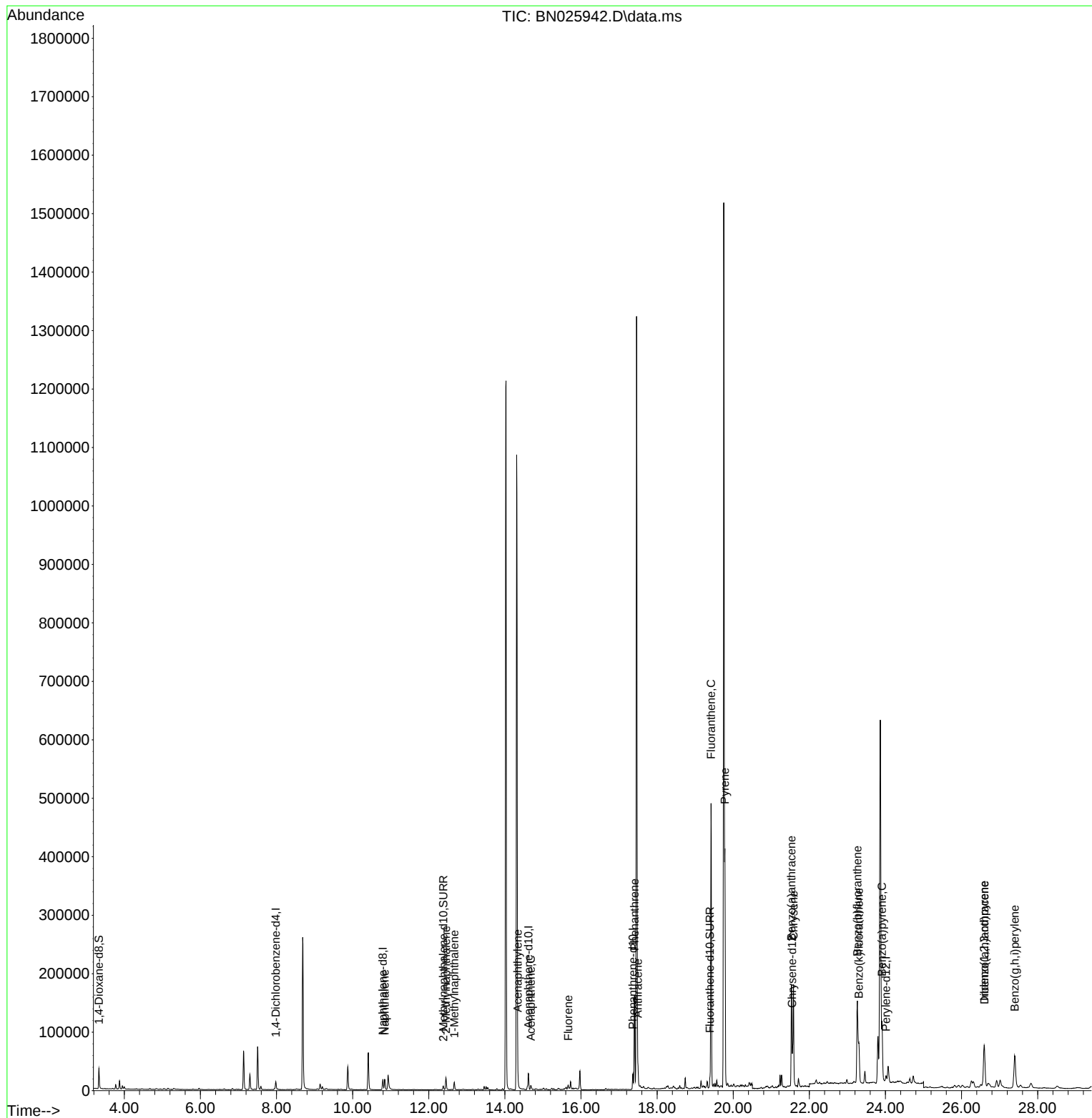
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN062223\  
Data File : BN025942.D  
Acq On : 22 Jun 2023 17:58  
Operator : MA/JU  
Sample : 03083-19  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

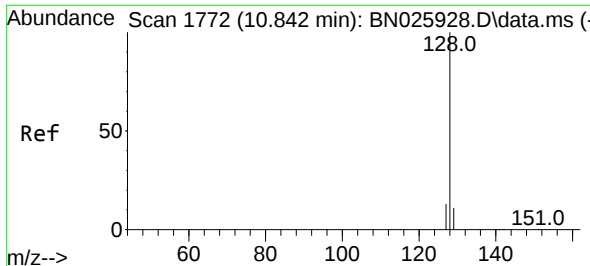
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023

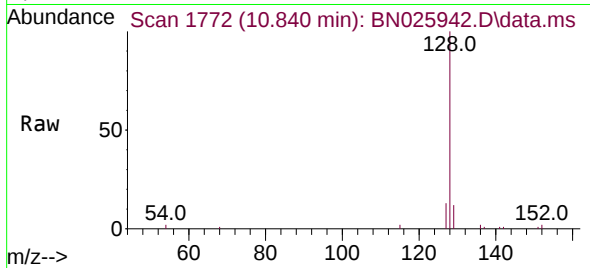
Quant Time: Jun 23 01:04:09 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 22 01:27:41 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.363 ng/ul  
RT: 10.840 min Scan# 1772  
Delta R.T. -0.007 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

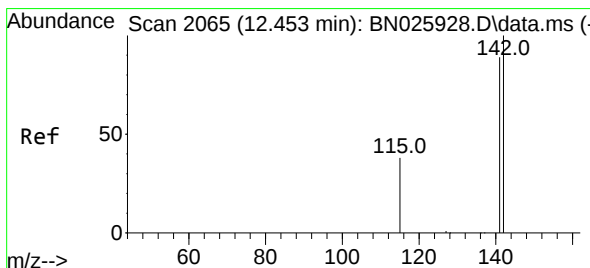
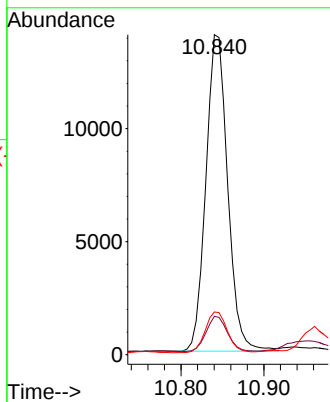
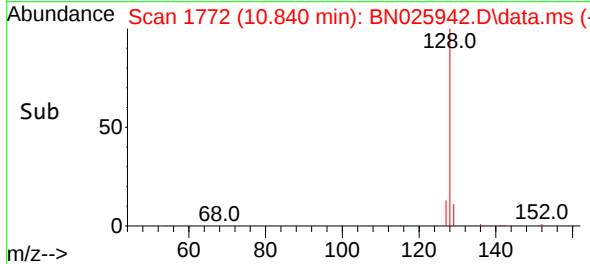
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:128 Resp: 25652  
Ion Ratio Lower Upper  
128 100  
129 12.0 9.1 13.7  
127 13.3 10.7 16.1

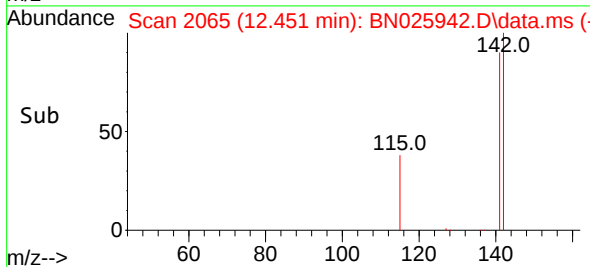
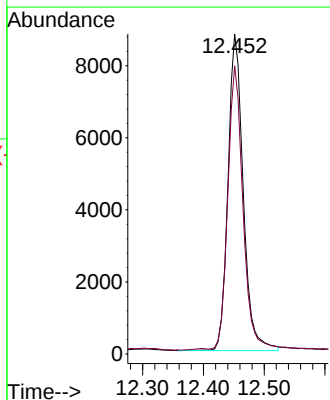
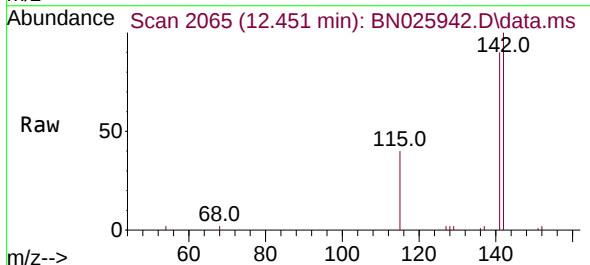
Manual Integrations  
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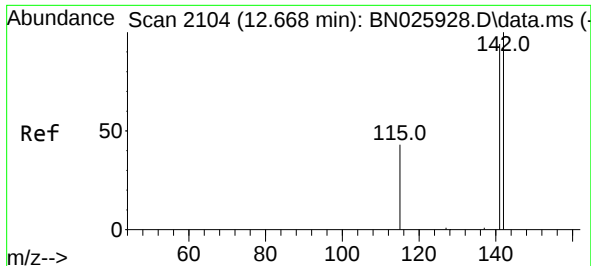
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#7  
2-Methylnaphthalene  
Concen: 0.341 ng/ul  
RT: 12.451 min Scan# 2065  
Delta R.T. -0.002 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

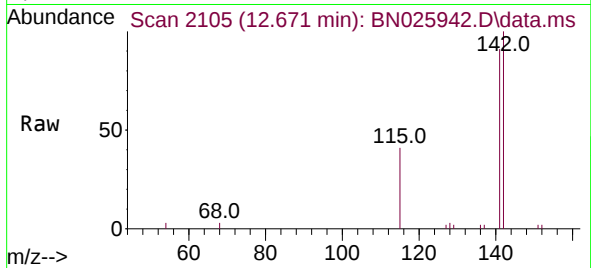
Tgt Ion:142 Resp: 15336  
Ion Ratio Lower Upper  
142 100  
141 88.1 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.200 ng/ul  
RT: 12.671 min Scan# 2105  
Delta R.T. -0.002 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

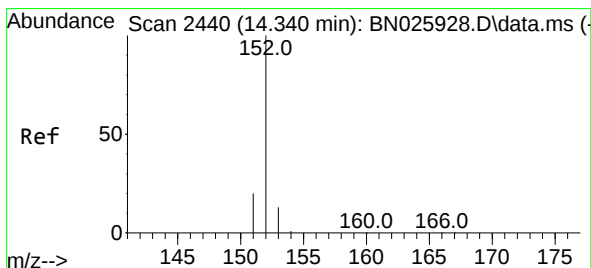
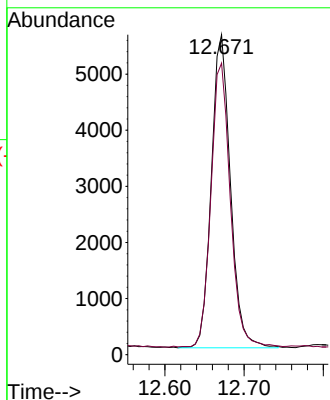
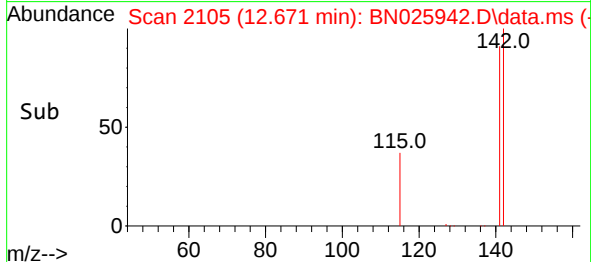
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



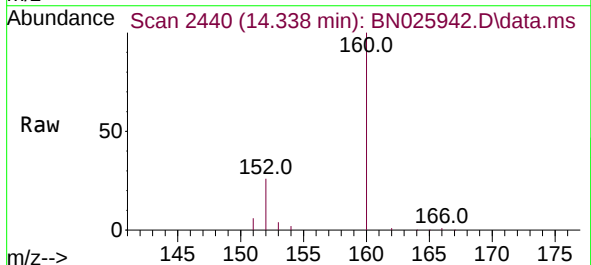
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Ion Ratio Lower Upper  
142 100  
141 91.2 74.2 111.4

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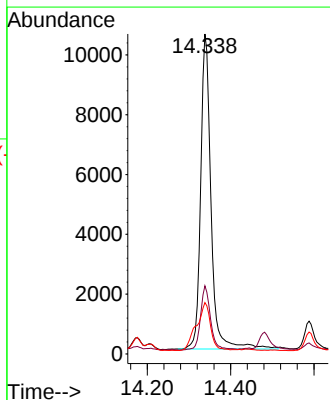
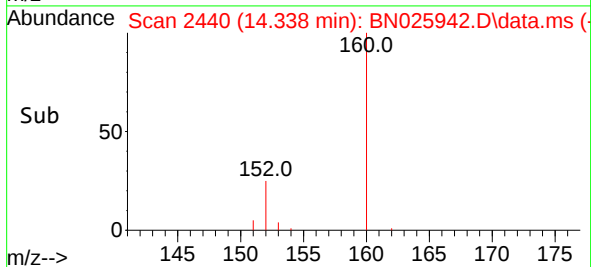
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023

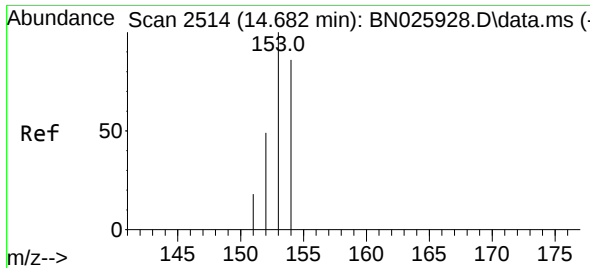


#10  
Acenaphthylene  
Concen: 0.254 ng/ul  
RT: 14.338 min Scan# 2440  
Delta R.T. -0.005 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58



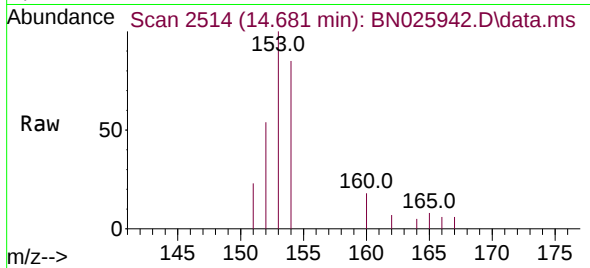
Tgt Ion:152 Resp: 18260  
Ion Ratio Lower Upper  
152 100  
151 21.3 16.2 24.4  
153 16.1 10.9 16.3





#11  
Acenaphthene  
Concen: 0.077 ng/u1  
RT: 14.681 min Scan# 2514  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

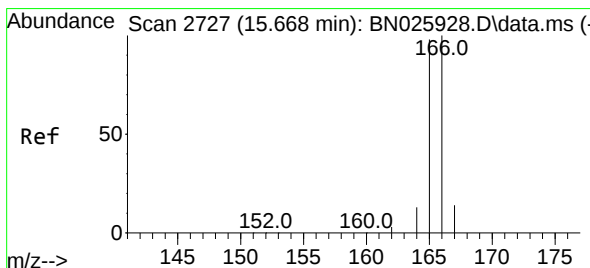
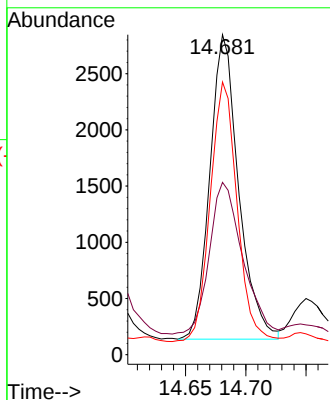
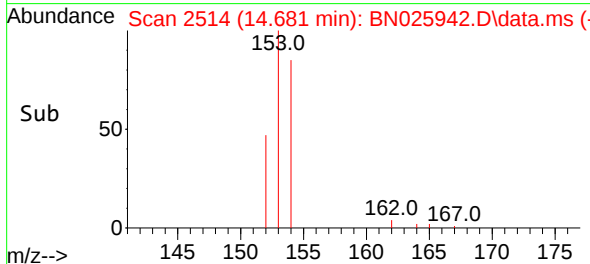
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:153 Resp: 4509  
Ion Ratio Lower Upper  
153 100  
152 53.8 39.4 59.0  
154 85.2 68.9 103.3

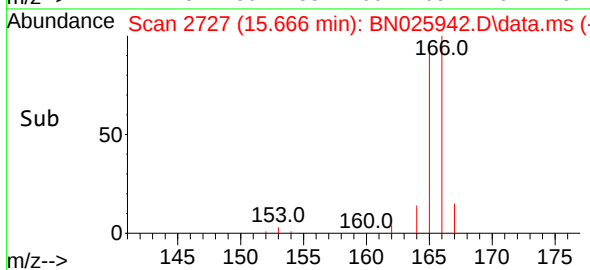
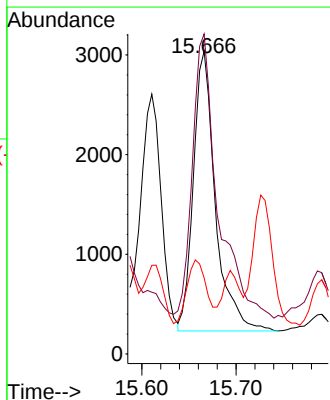
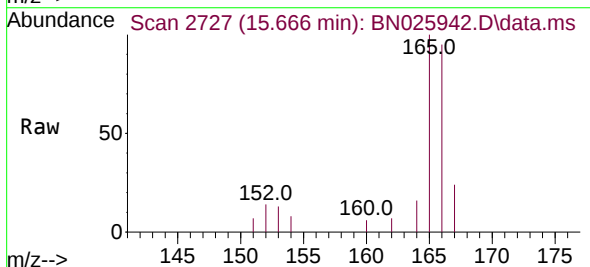
Manual Integrations  
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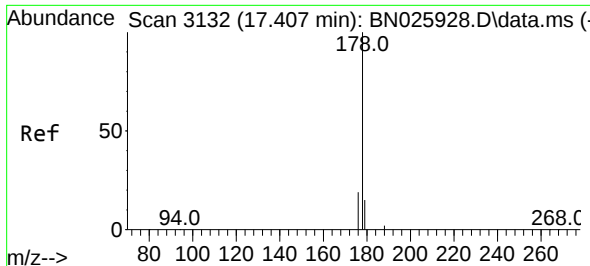
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#12  
Fluorene  
Concen: 0.067 ng/u1  
RT: 15.666 min Scan# 2727  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

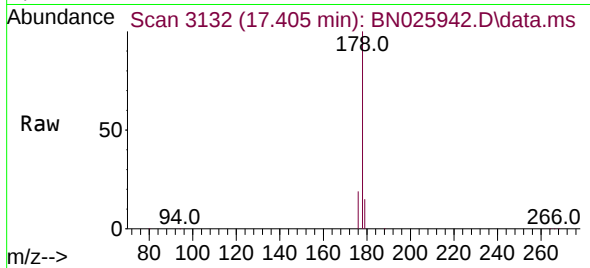
Tgt Ion:166 Resp: 4545  
Ion Ratio Lower Upper  
166 100  
165 105.7 79.9 119.9  
167 25.2 10.8 16.2#





#15  
Phenanthrene  
Concen: 1.718 ng/ul  
RT: 17.405 min Scan# 3132  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

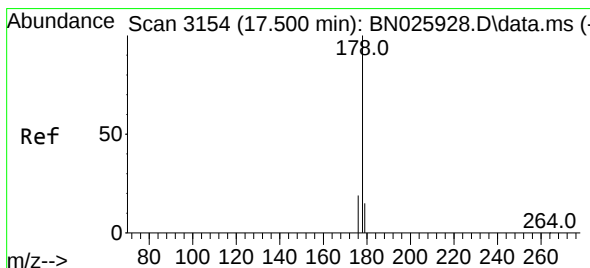
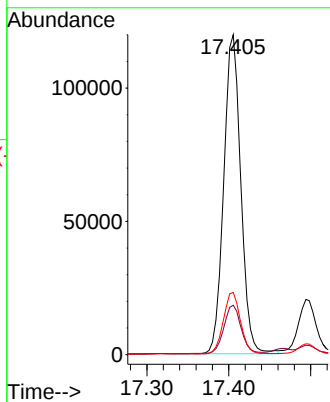
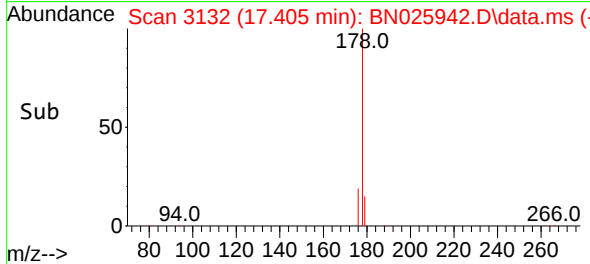
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:178 Resp: 173438  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.6 19.0  
176 19.5 15.8 23.6

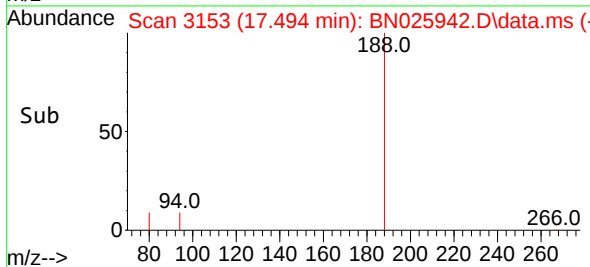
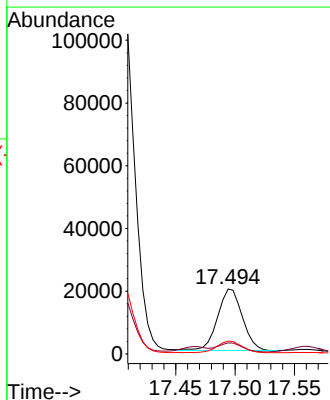
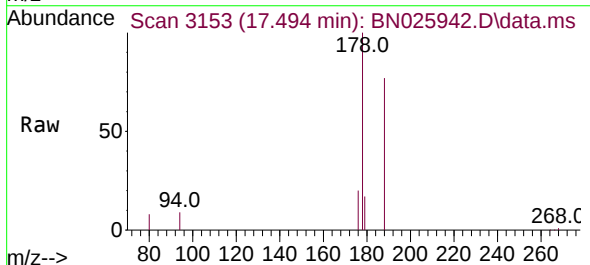
Manual Integrations  
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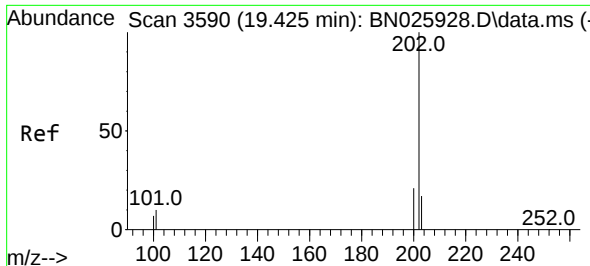
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#16  
Anthracene  
Concen: 0.318 ng/ul  
RT: 17.494 min Scan# 3153  
Delta R.T. -0.005 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

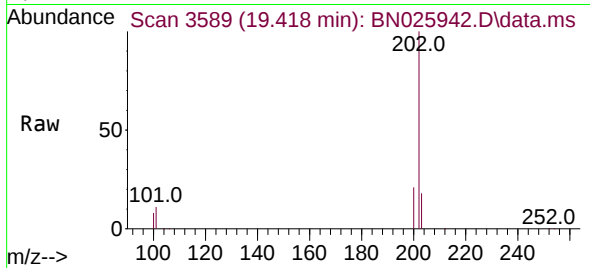
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Ion Ratio Lower Upper  
178 100  
179 17.1 12.6 18.8  
176 19.8 15.1 22.7





#19  
Fluoranthene  
Concen: 5.109 ng/u1  
RT: 19.418 min Scan# 3589  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

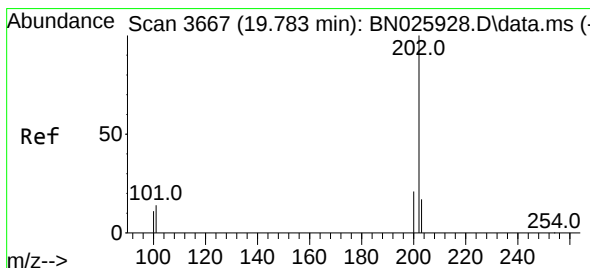
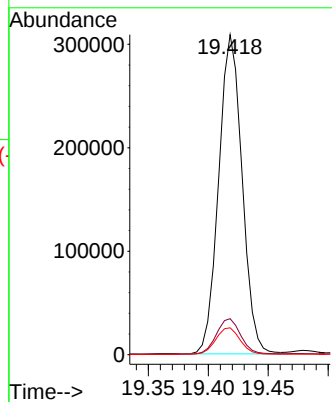
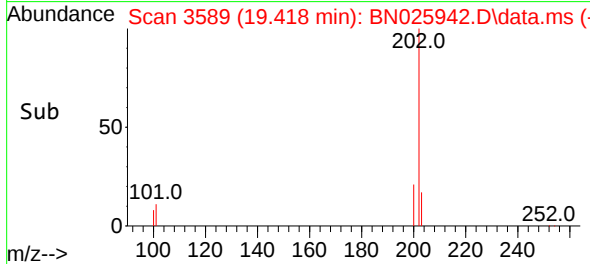
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:202 Resp: 41907  
Ion Ratio Lower Upper  
202 100  
101 11.3 9.5 14.3  
100 8.4 7.3 10.9

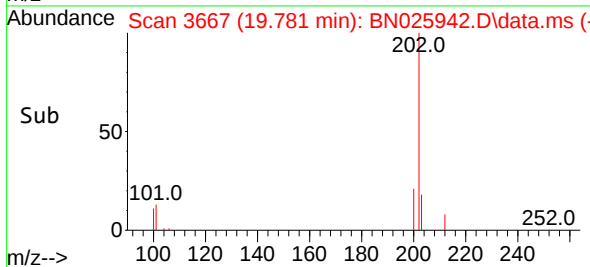
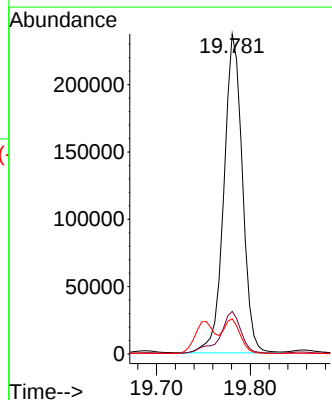
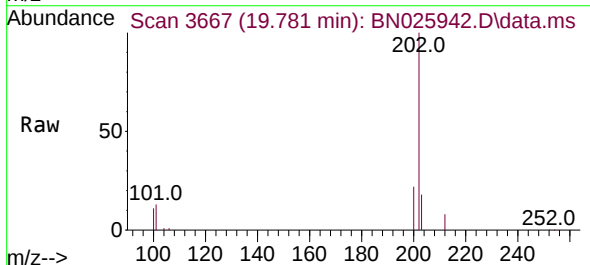
Manual Integrations  
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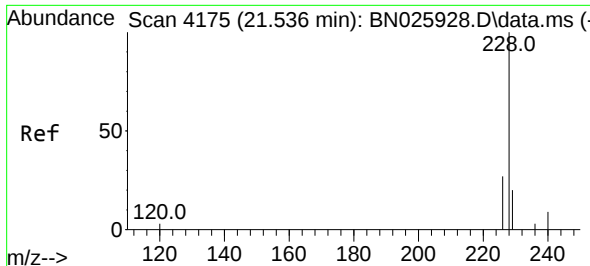
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#20  
Pyrene  
Concen: 3.800 ng/u1  
RT: 19.781 min Scan# 3667  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

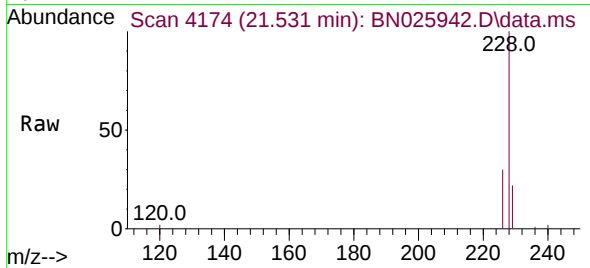
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Ion Ratio Lower Upper  
202 100  
101 13.3 11.4 17.0  
100 11.0 9.1 13.7





#21  
Benzo(a)anthracene  
Concen: 2.433 ng/u1  
RT: 21.531 min Scan# 4175  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

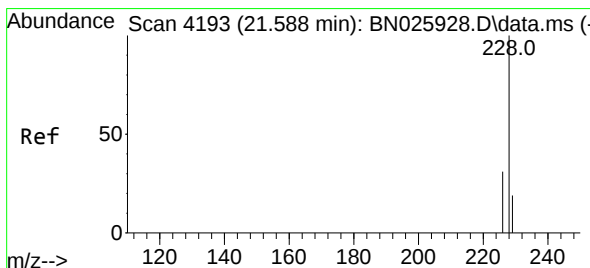
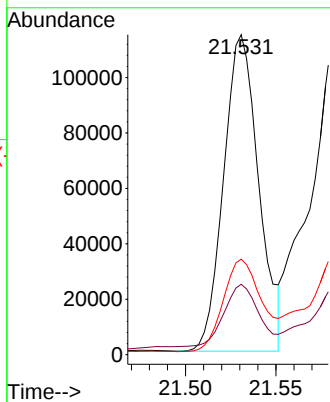
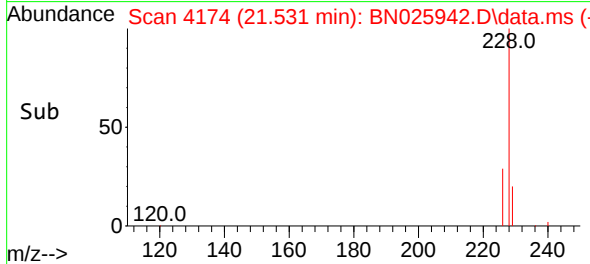
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:228 Resp: 15416  
Ion Ratio Lower Upper  
228 100  
229 22.0 15.8 23.6  
226 29.8 22.5 33.7

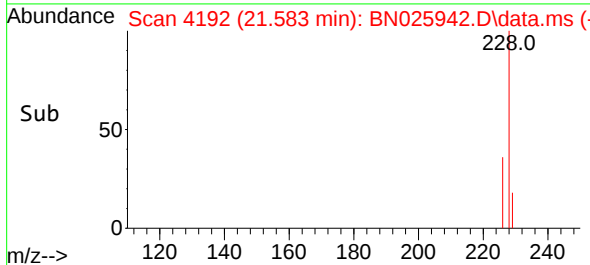
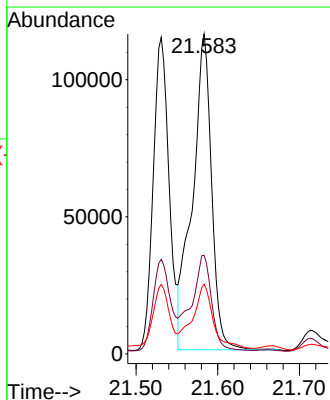
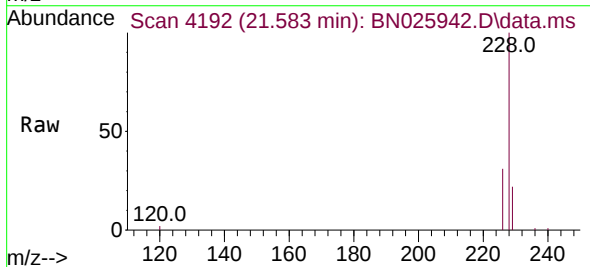
Manual Integrations  
APPROVED

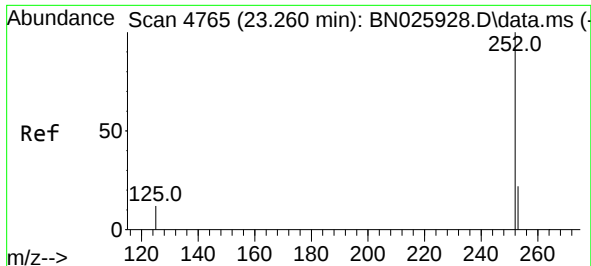
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#22  
Chrysene  
Concen: 2.855 ng/u1  
RT: 21.583 min Scan# 4192  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

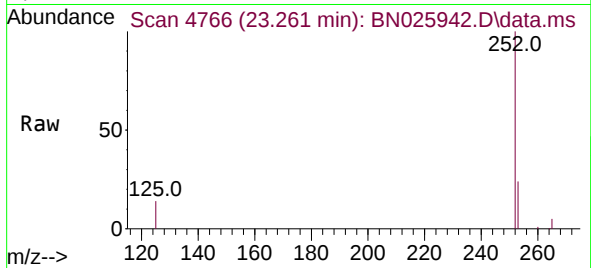
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Ion Ratio Lower Upper  
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226 30.8 24.8 37.2  
229 21.8 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 3.728 ng/ul m  
RT: 23.261 min Scan# 4765  
Delta R.T. 0.005 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

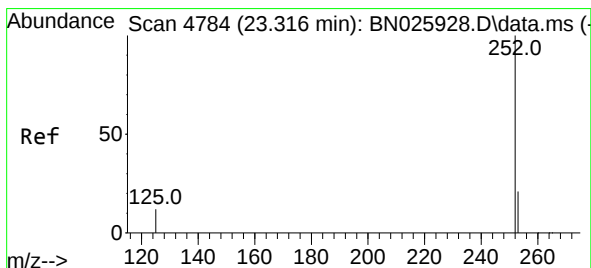
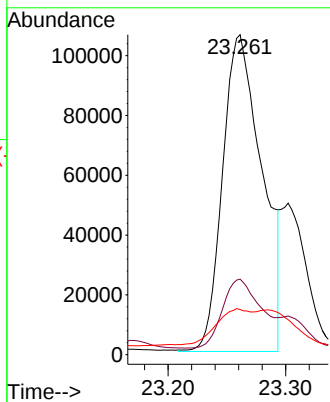
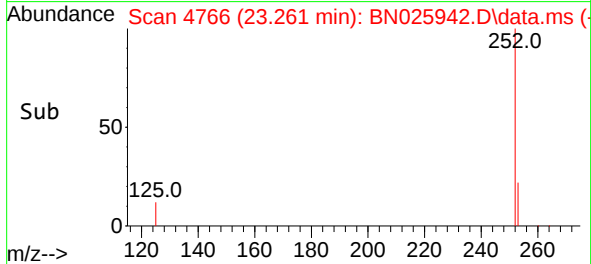
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:252 Resp: 24652  
Ion Ratio Lower Upper  
252 100  
253 23.6 0.0 55.6  
125 14.1 0.0 35.8

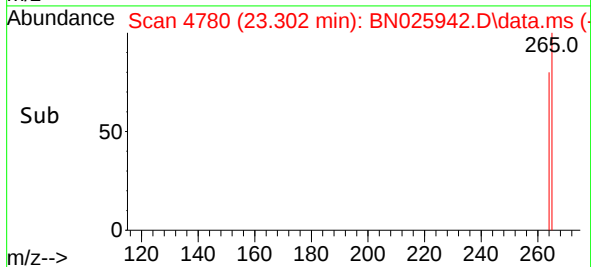
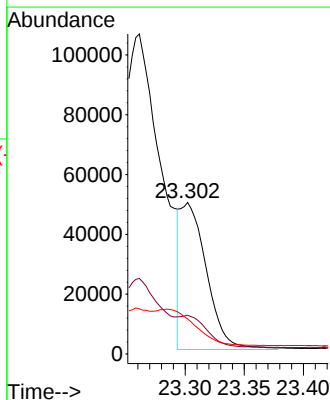
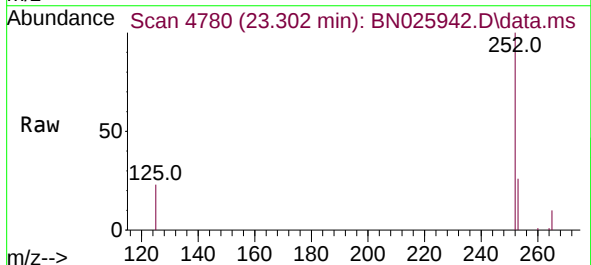
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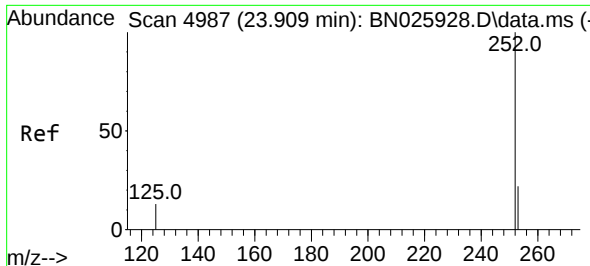
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#25  
Benzo(k)fluoranthene  
Concen: 1.145 ng/ul m  
RT: 23.302 min Scan# 4780  
Delta R.T. -0.007 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

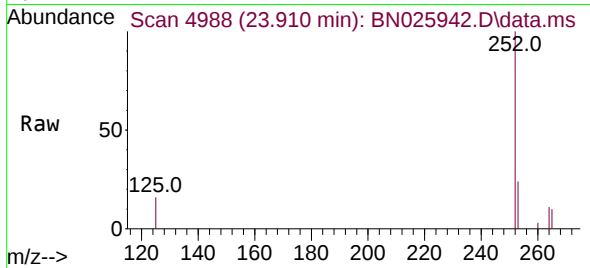
Tgt Ion:252 Resp: 76058  
Ion Ratio Lower Upper  
252 100  
253 25.5 23.2 34.8  
125 23.1 15.0 22.4#





#26  
Benzo(a)pyrene  
Concen: 2.457 ng/ul  
RT: 23.910 min Scan# 4987  
Delta R.T. 0.002 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

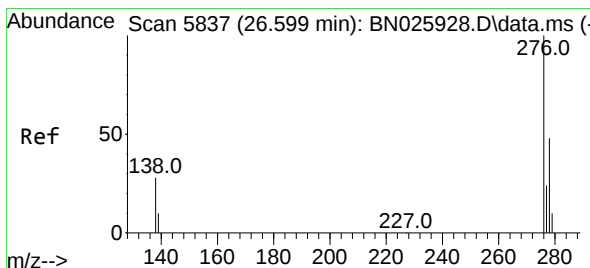
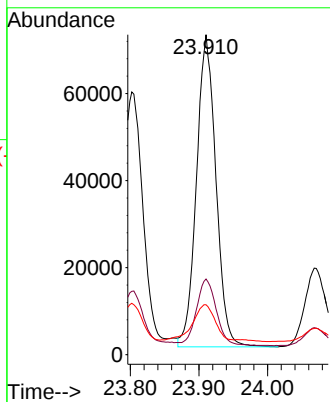
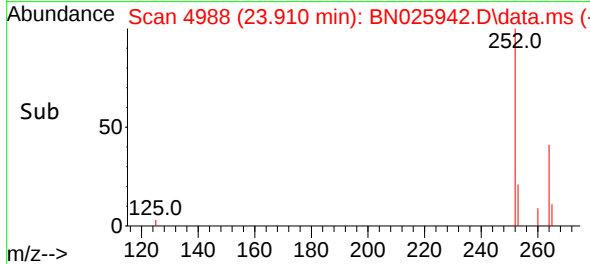
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



Tgt Ion:252 Resp: 14110  
Ion Ratio Lower Upper  
252 100  
253 23.6 26.0 39.0  
125 15.6 17.3 25.9

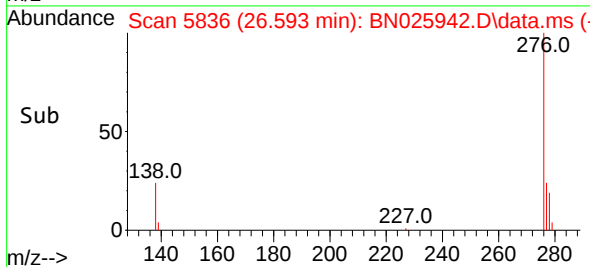
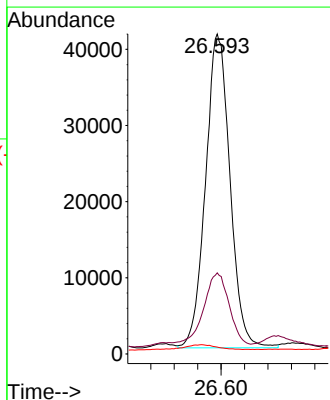
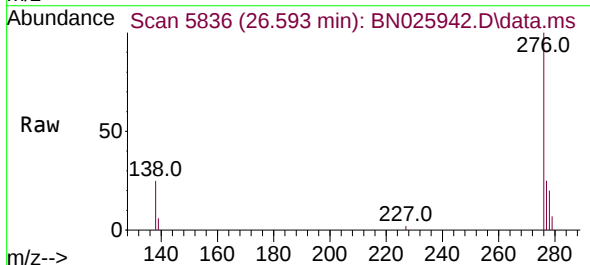
Manual Integrations  
APPROVED

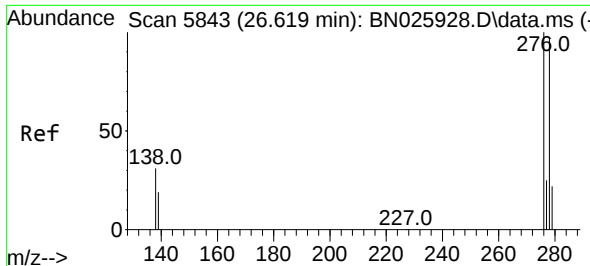
Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.902 ng/ul  
RT: 26.593 min Scan# 5836  
Delta R.T. -0.001 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

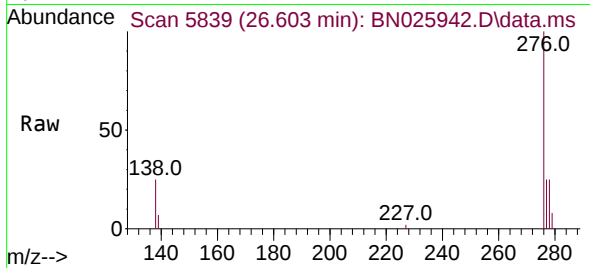
Tgt Ion:276 Resp: 119305  
Ion Ratio Lower Upper  
276 100  
138 22.8 24.5 36.7  
227 0.0 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.615 ng/ul  
RT: 26.603 min Scan# 5839  
Delta R.T. -0.018 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58

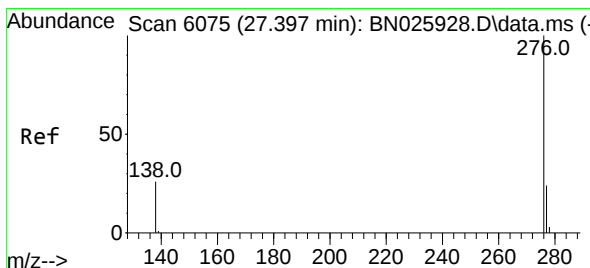
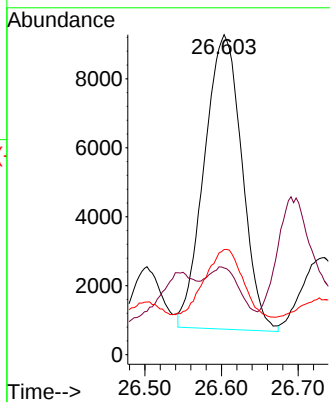
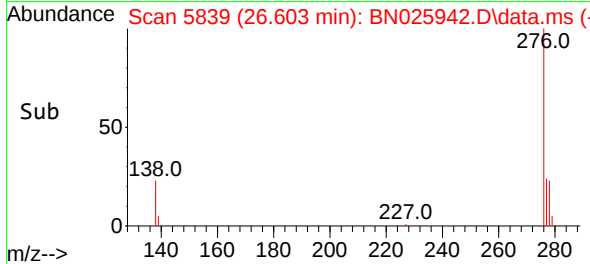
Instrument :  
BNA\_N  
ClientSampleId :  
DCFL7



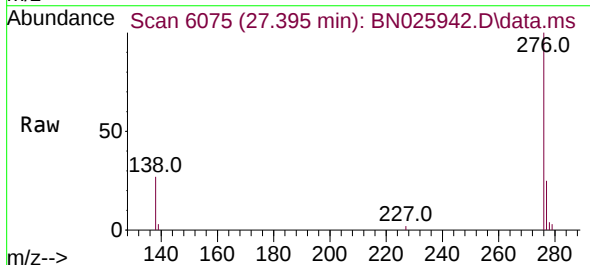
Tgt Ion:278 Resp: 2918  
Ion Ratio Lower Upper  
278 100  
139 27.1 19.0 28.4  
279 32.8 26.7 40.1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/23/2023  
Supervised By :mohammad ahmed 06/23/2023



#29  
Benzo(g,h,i)perylene  
Concen: 2.143 ng/ul  
RT: 27.395 min Scan# 6075  
Delta R.T. 0.009 min  
Lab File: BN025942.D  
Acq: 22 Jun 2023 17:58



Tgt Ion:276 Resp: 119580  
Ion Ratio Lower Upper  
276 100  
138 26.7 23.4 35.0  
277 24.9 20.0 30.0

