

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020824\  
 Data File : BN029597.D  
 Acq On : 09 Feb 2024 03:23  
 Operator : MA/JU  
 Sample : P1303-21  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C0FK0

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024  
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 09 03:57:35 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Feb 07 02:17:13 2024

Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.884  | 152  | 5706     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.683 | 136  | 15486    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.525 | 164  | 6954     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.276 | 188  | 13048    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.473 | 240  | 9845     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.846 | 264  | 12215    | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.332  | 96   | 45503    | 6.395 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.278 | 152  | 7470     | 0.379 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.309 | 212  | 11490    | 0.355 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.733 | 128  | 1276     | 0.029 | ng/ul# | 80       |
| 7) 2-Methylnaphthalene      | 12.350 | 142  | 1295     | 0.052 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.570 | 142  | 546      | 0.021 | ng/ul  | 97       |
| 10) Acenaphthylene          | 14.248 | 152  | 922      | 0.027 | ng/ul# | 67       |
| 11) Acenaphthene            | 14.590 | 153  | 784      | 0.030 | ng/ul  | 96       |
| 12) Fluorene                | 15.580 | 166  | 923      | 0.034 | ng/ul# | 92       |
| 15) Phenanthrene            | 17.318 | 178  | 18963    | 0.465 | ng/ul  | 99       |
| 16) Anthracene              | 17.411 | 178  | 3976     | 0.116 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.337 | 202  | 42509    | 0.940 | ng/ul  | 98       |
| 20) Pyrene                  | 19.704 | 202  | 38673m   | 0.834 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.455 | 228  | 18531    | 0.522 | ng/ul  | 97       |
| 22) Chrysene                | 21.511 | 228  | 20631    | 0.531 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.124 | 252  | 25680m   | 0.559 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.168 | 252  | 11002m   | 0.216 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.738 | 252  | 17333    | 0.401 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.289 | 276  | 11174    | 0.213 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.312 | 278  | 2682     | 0.065 | ng/ul# | 58       |
| 29) Benzo(g,h,i)perylene    | 27.047 | 276  | 11960    | 0.251 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

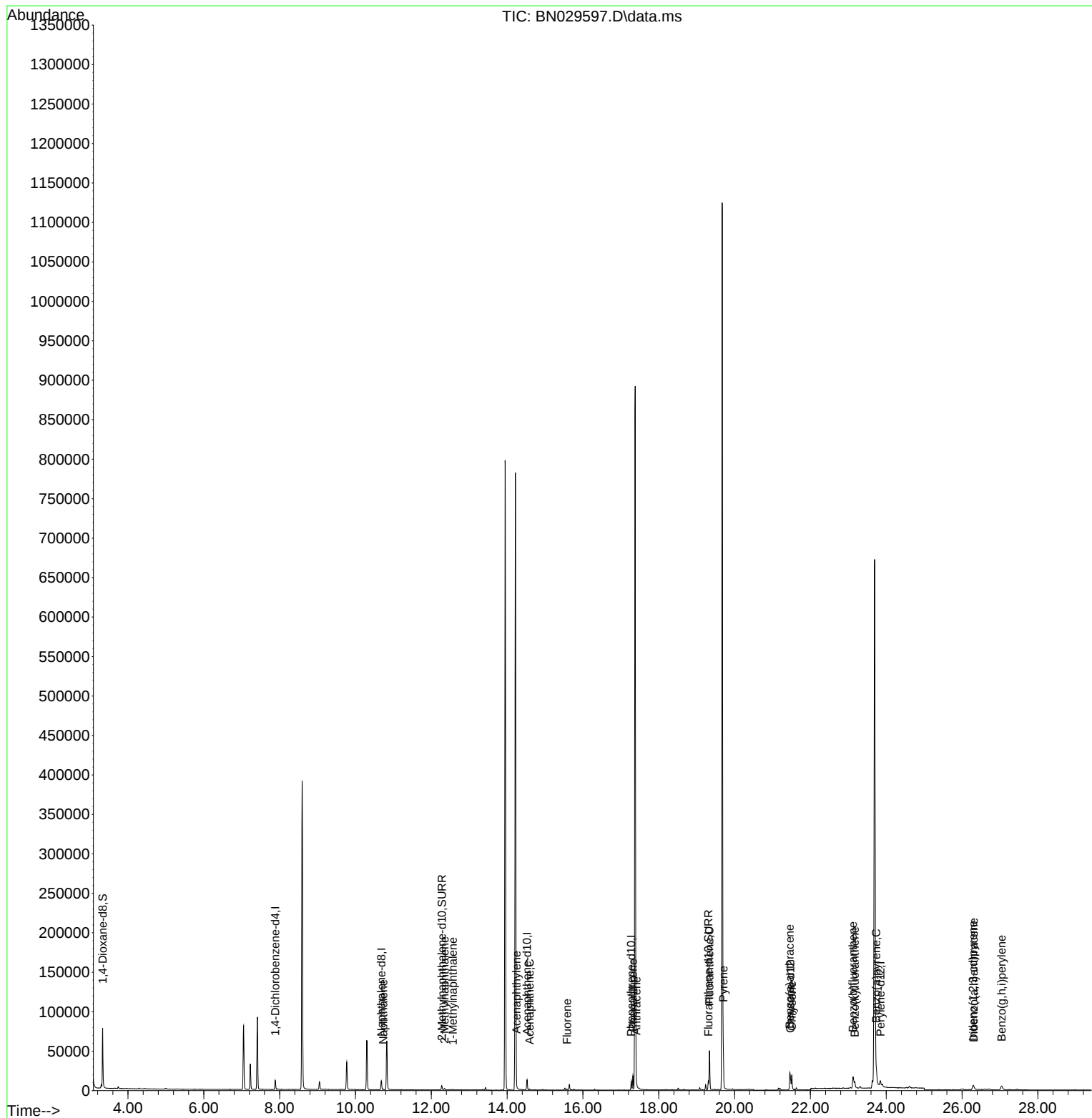
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020824\  
Data File : BN029597.D  
Acq On : 09 Feb 2024 03:23  
Operator : MA/JU  
Sample : P1303-21  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

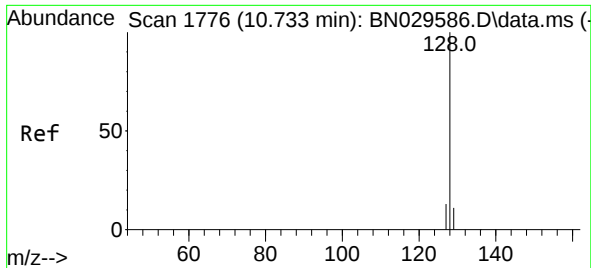
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0

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Supervised By :mohammad ahmed 02/09/2024

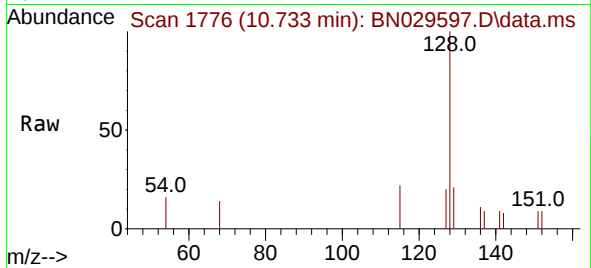
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN020624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 07 02:17:13 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.029 ng/ul  
RT: 10.733 min Scan# 1776  
Delta R.T. -0.005 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

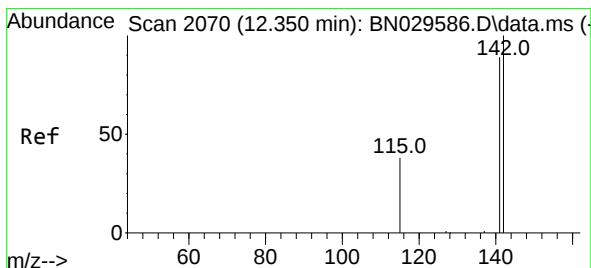
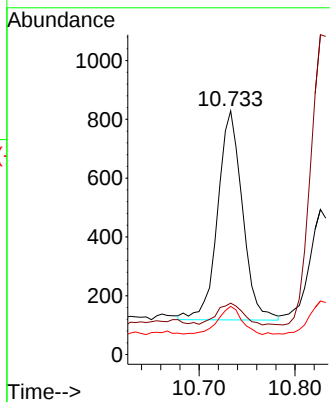
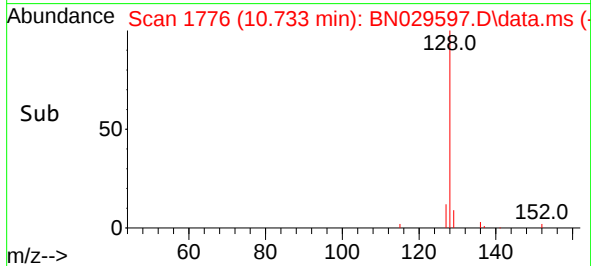
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0



Tgt Ion:128 Resp: 1270  
Ion Ratio Lower Upper  
128 100  
129 21.1 9.1 13.7  
127 19.8 11.0 16.6

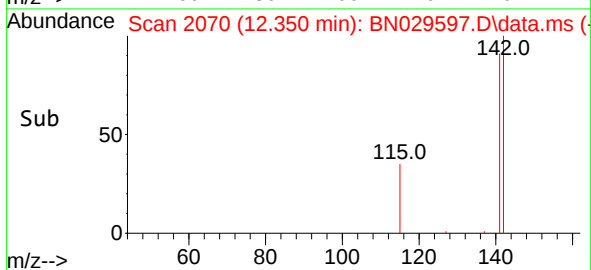
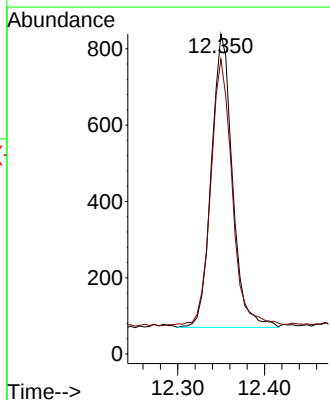
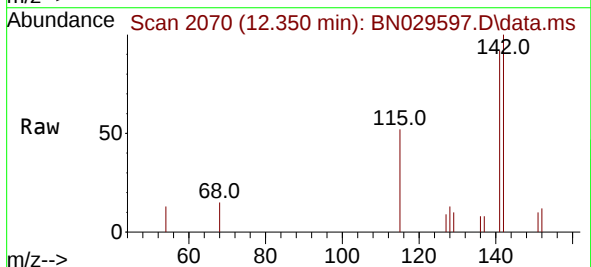
Manual Integrations  
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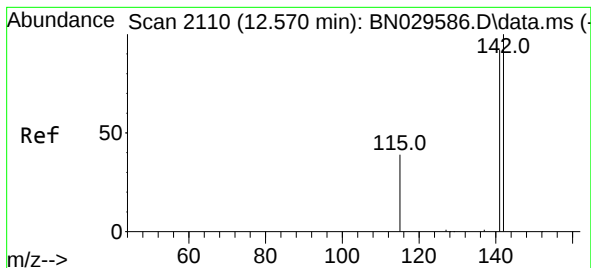
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#7  
2-Methylnaphthalene  
Concen: 0.052 ng/ul  
RT: 12.350 min Scan# 2070  
Delta R.T. -0.005 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

Tgt Ion:142 Resp: 1295  
Ion Ratio Lower Upper  
142 100  
141 92.4 71.5 107.3





#8

1-Methylnaphthalene

Concen: 0.021 ng/ul

RT: 12.570 min Scan# 2110

Delta R.T. -0.005 min

Lab File: BN029597.D

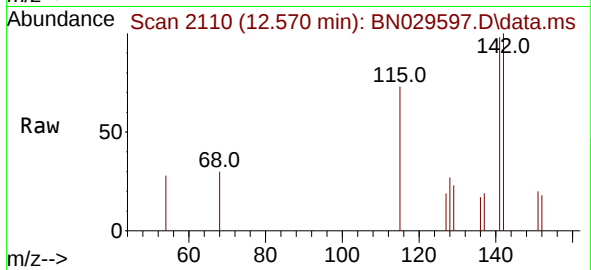
Acq: 09 Feb 2024 03:23

Instrument :

BNA\_N

ClientSampleId :

C0FK0



Tgt Ion:142 Resp: 540

Ion Ratio Lower Upper

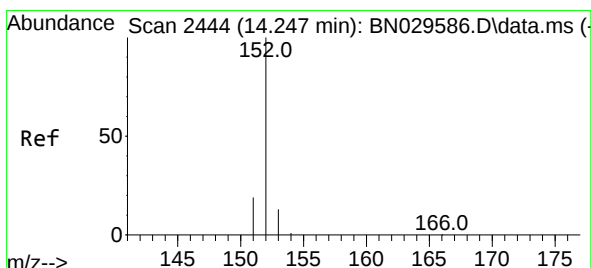
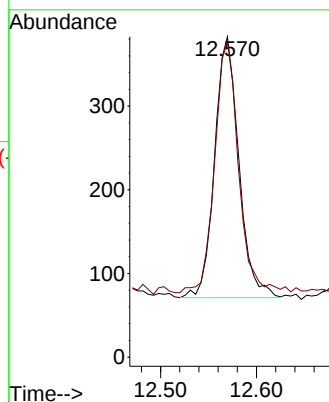
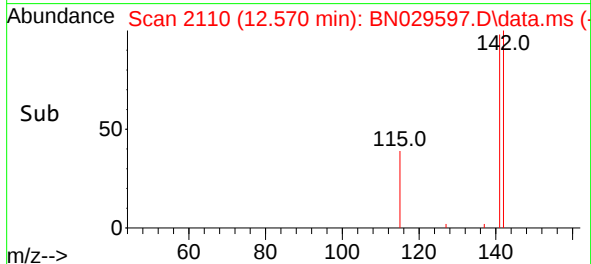
142 100

141 94.9 73.9 110.9

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#10

Acenaphthylene

Concen: 0.027 ng/ul

RT: 14.248 min Scan# 2444

Delta R.T. -0.004 min

Lab File: BN029597.D

Acq: 09 Feb 2024 03:23

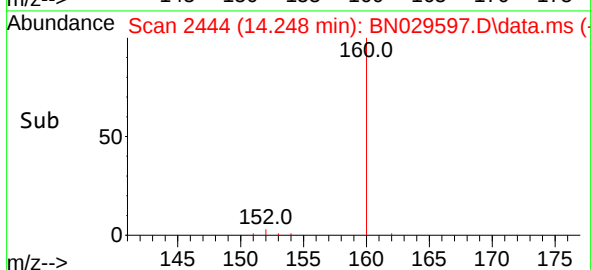
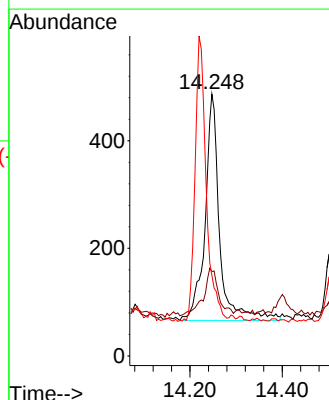
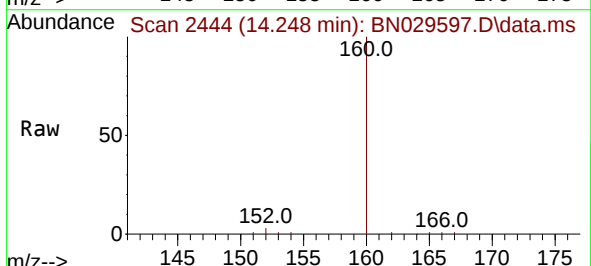
Tgt Ion:152 Resp: 922

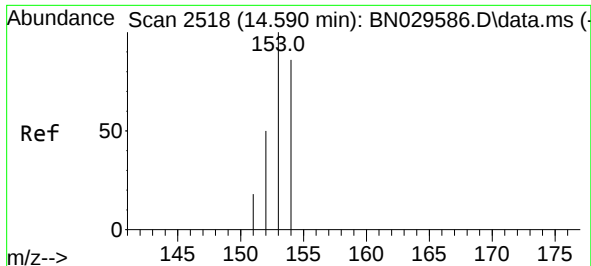
Ion Ratio Lower Upper

152 100

151 32.2 15.8 23.8#

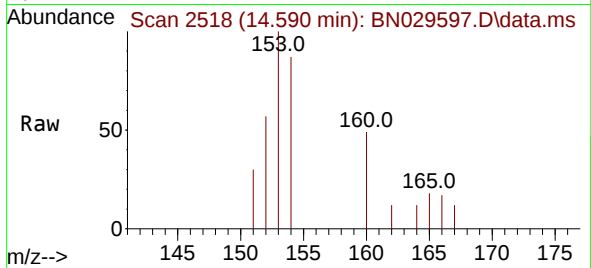
153 30.8 10.9 16.3#





#11  
Acenaphthene  
Concen: 0.030 ng/u1  
RT: 14.590 min Scan# 2518  
Delta R.T. -0.004 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

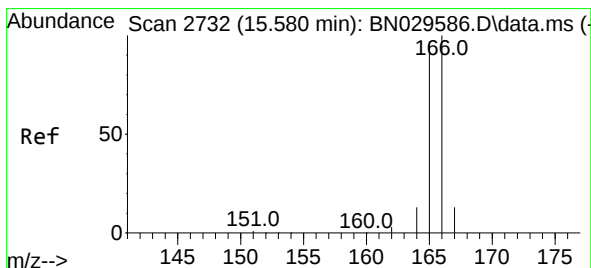
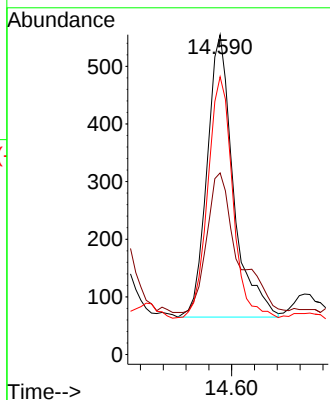
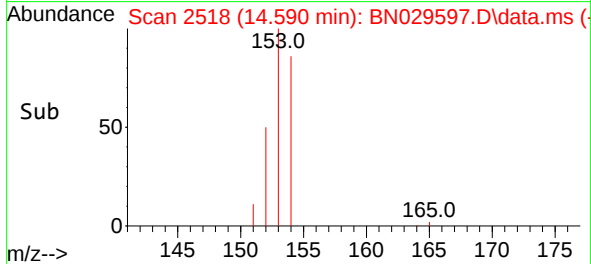
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0



Tgt Ion:153 Resp: 784  
Ion Ratio Lower Upper  
153 100  
152 56.8 41.5 62.3  
154 86.8 70.9 106.3

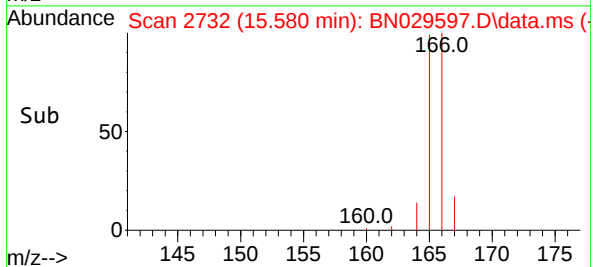
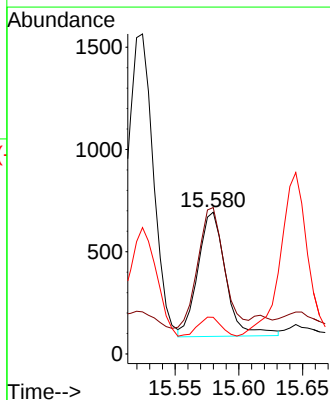
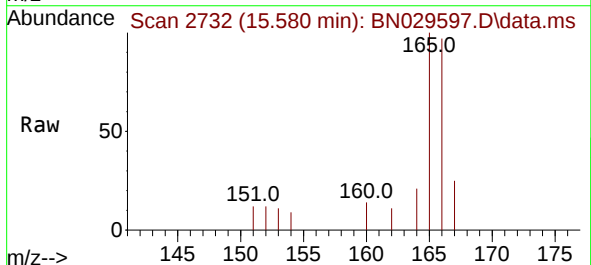
Manual Integrations  
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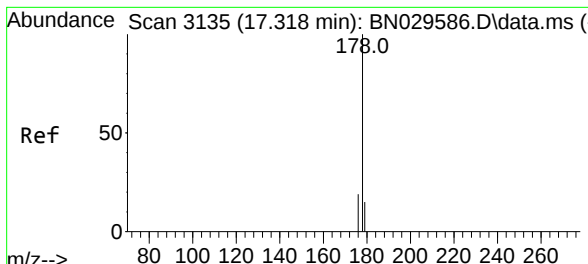
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#12  
Fluorene  
Concen: 0.034 ng/u1  
RT: 15.580 min Scan# 2732  
Delta R.T. -0.004 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

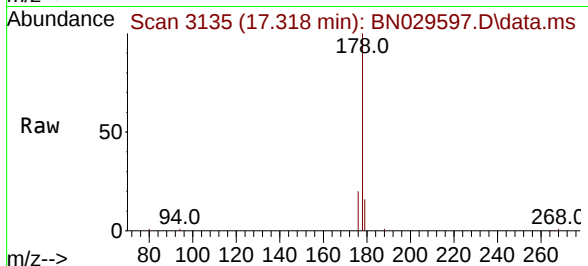
Tgt Ion:166 Resp: 923  
Ion Ratio Lower Upper  
166 100  
165 103.3 78.6 117.8  
167 25.8 11.5 17.3#





#15  
Phenanthrene  
Concen: 0.465 ng/ul  
RT: 17.318 min Scan# 3113  
Delta R.T. -0.008 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

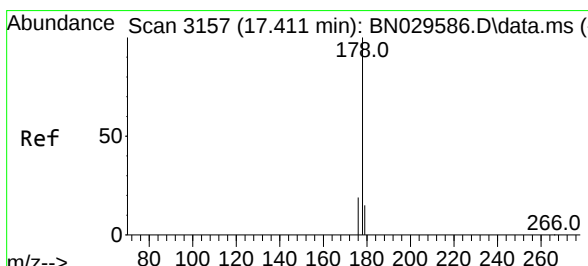
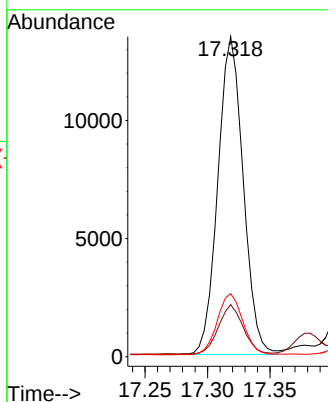
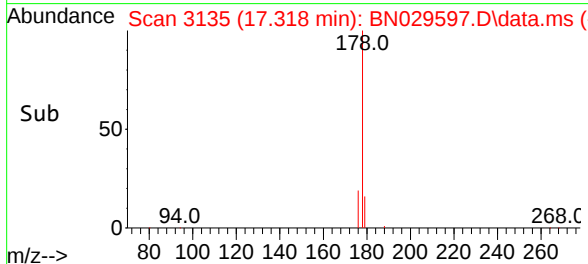
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0



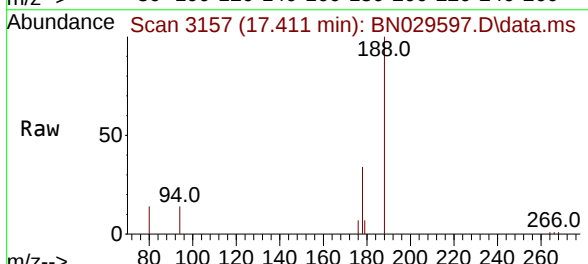
Tgt Ion:178 Resp: 1896  
Ion Ratio Lower Upper  
178 100  
179 16.2 12.6 18.8  
176 19.7 15.7 23.5

Manual Integrations  
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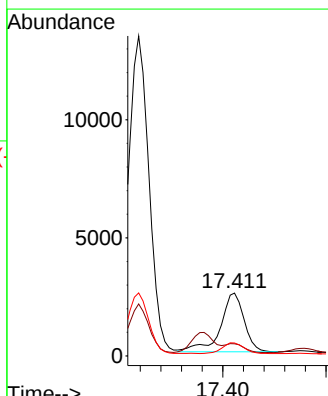
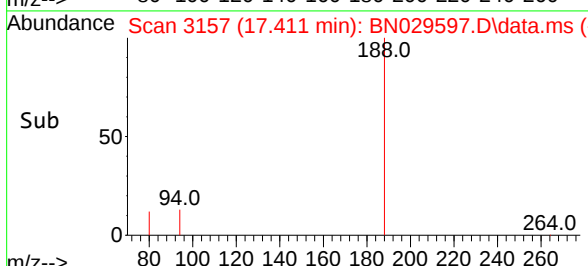
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

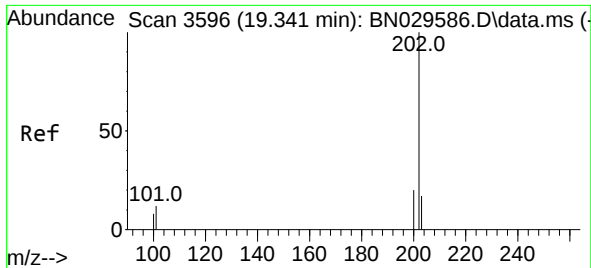


#16  
Anthracene  
Concen: 0.116 ng/ul  
RT: 17.411 min Scan# 3157  
Delta R.T. -0.004 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23



Tgt Ion:178 Resp: 3976  
Ion Ratio Lower Upper  
178 100  
179 19.3 12.9 19.3  
176 20.5 15.8 23.8





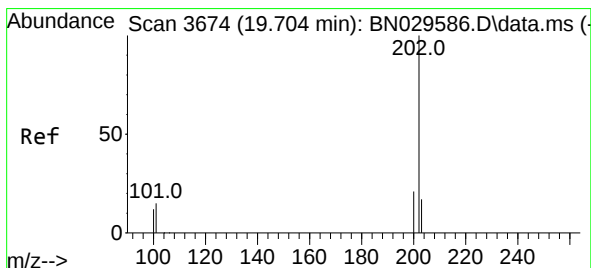
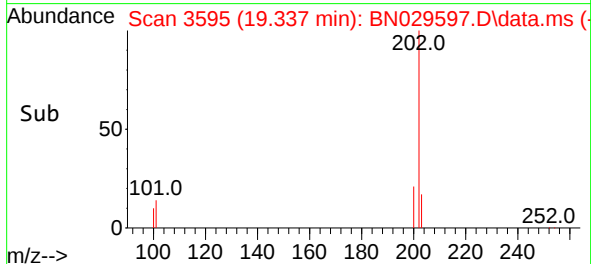
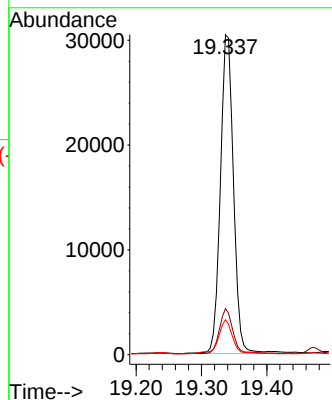
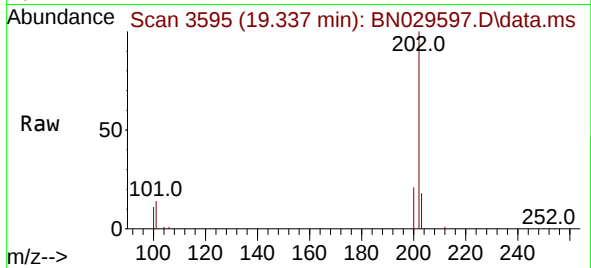
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Fluoranthene  
Concen: 0.940 ng/ul  
RT: 19.337 min Scan# 3595  
Delta R.T. -0.009 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0

Tgt Ion:202 Resp: 42509  
Ion Ratio Lower Upper  
202 100  
101 14.4 10.4 15.6  
100 10.9 8.5 12.7

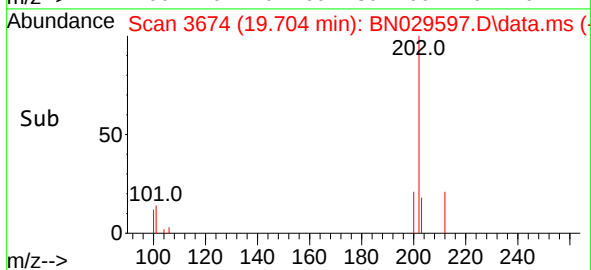
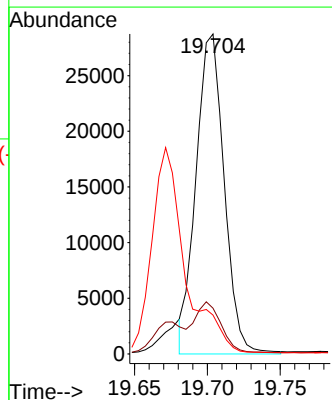
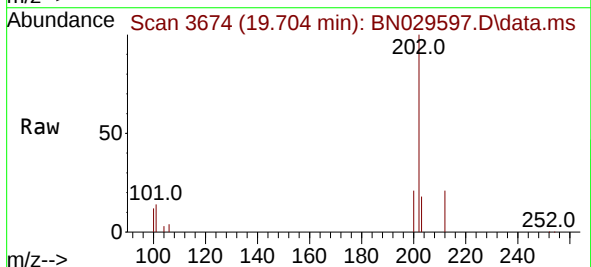
Manual Integrations  
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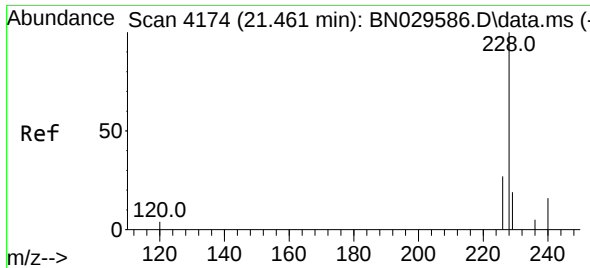
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#20  
Pyrene  
Concen: 0.834 ng/ul m  
RT: 19.704 min Scan# 3674  
Delta R.T. -0.004 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

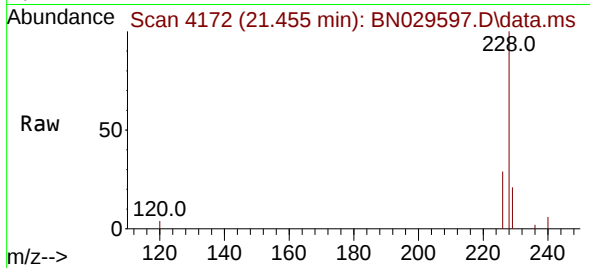
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Ion Ratio Lower Upper  
202 100  
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100 12.1 10.0 15.0





#21  
Benzo(a)anthracene  
Concen: 0.522 ng/ul  
RT: 21.455 min Scan# 4174  
Delta R.T. -0.011 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

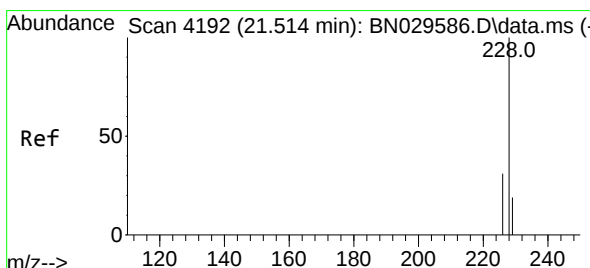
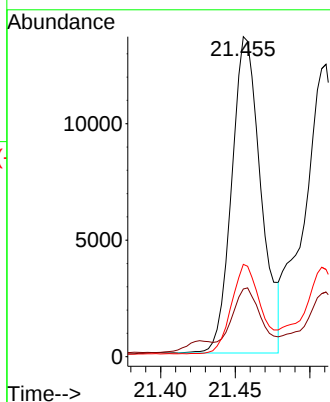
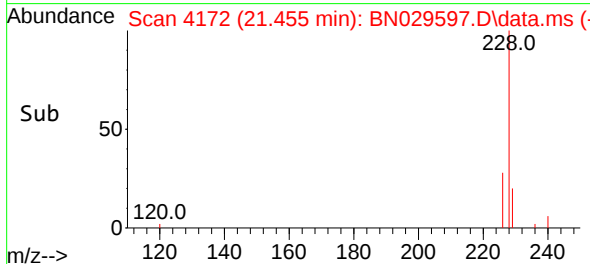
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0



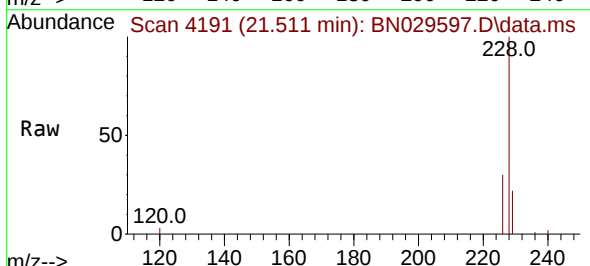
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229 21.1 15.7 23.5  
226 28.8 22.2 33.4

Manual Integrations  
APPROVED

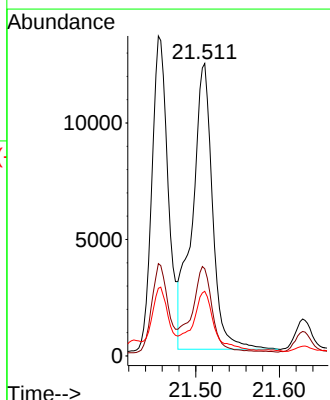
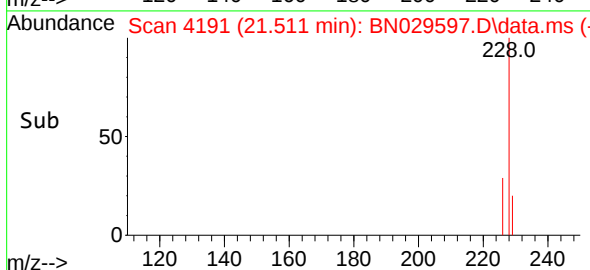
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

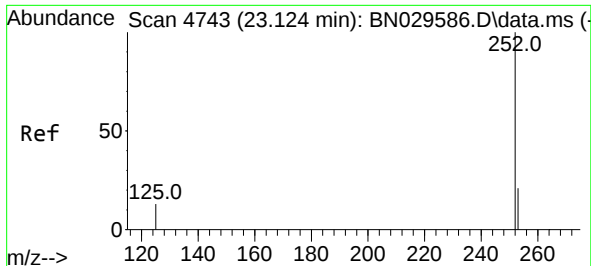


#22  
Chrysene  
Concen: 0.531 ng/ul  
RT: 21.511 min Scan# 4191  
Delta R.T. -0.008 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23



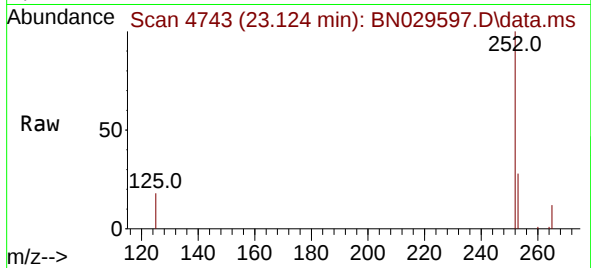
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Ion Ratio Lower Upper  
228 100  
226 29.8 24.2 36.2  
229 22.1 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 0.559 ng/ul m  
RT: 23.124 min Scan# 4743  
Delta R.T. -0.011 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

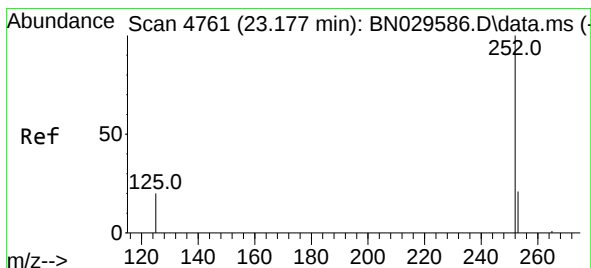
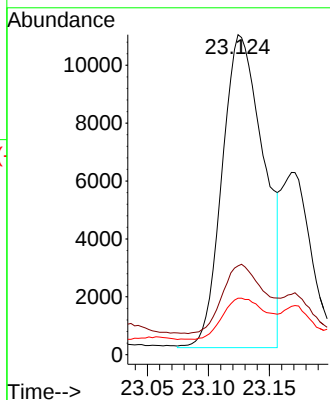
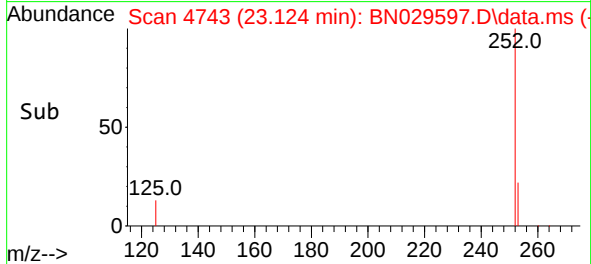
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0



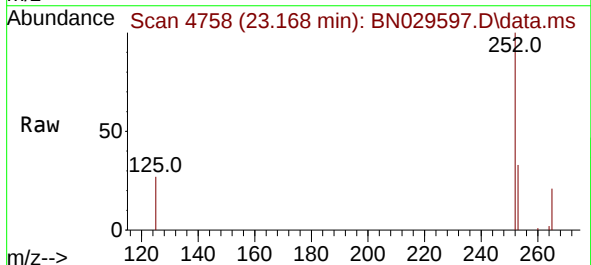
Tgt Ion:252 Resp: 25680  
Ion Ratio Lower Upper  
252 100  
253 27.7 0.0 56.8  
125 17.7 0.0 32.4

Manual Integrations  
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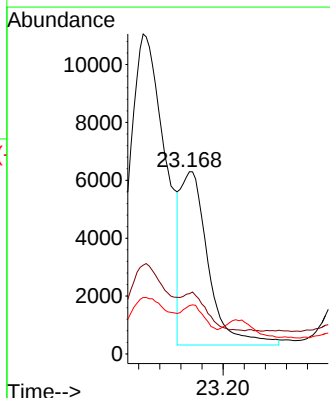
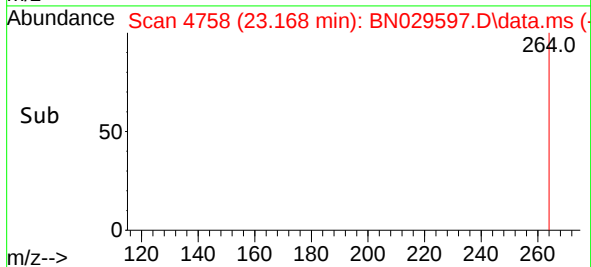
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

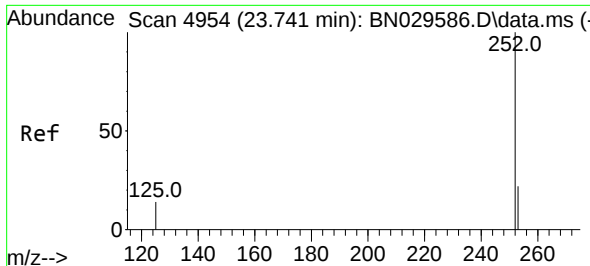


#25  
Benzo(k)fluoranthene  
Concen: 0.216 ng/ul m  
RT: 23.168 min Scan# 4758  
Delta R.T. -0.017 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23



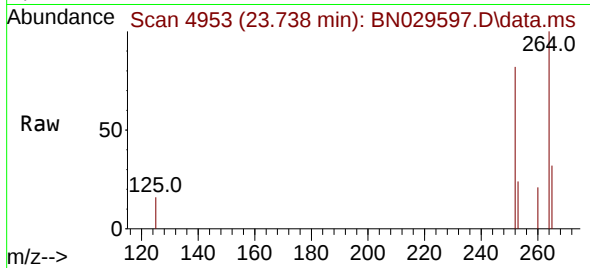
Tgt Ion:252 Resp: 11002  
Ion Ratio Lower Upper  
252 100  
253 33.1 22.6 33.8  
125 26.5 15.3 22.9#





#26  
Benzo(a)pyrene  
Concen: 0.401 ng/ul  
RT: 23.738 min Scan# 4953  
Delta R.T. -0.014 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

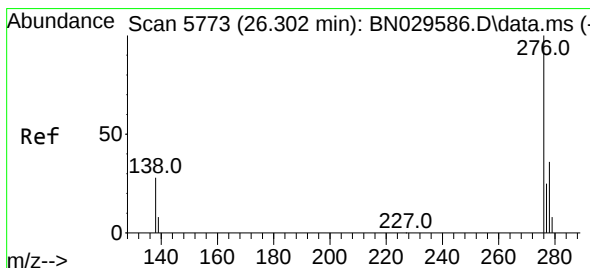
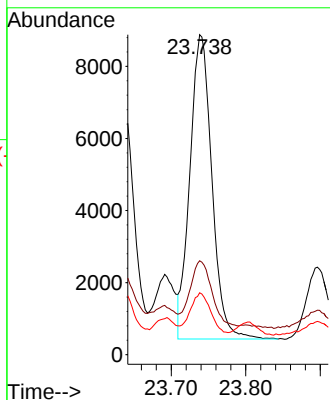
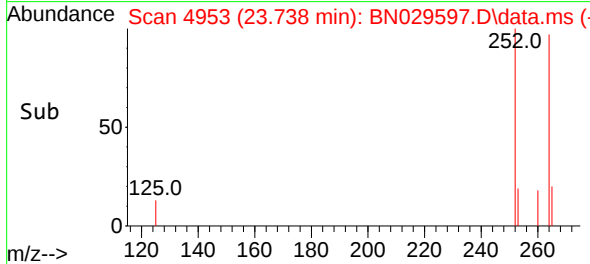
Instrument :  
BNA\_N  
ClientSampleId :  
COFK0



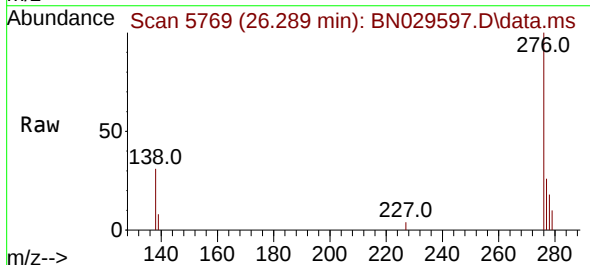
Tgt Ion:252 Resp: 1733  
Ion Ratio Lower Upper  
252 100  
253 29.3 25.4 38.0  
125 19.3 16.0 24.0

Manual Integrations  
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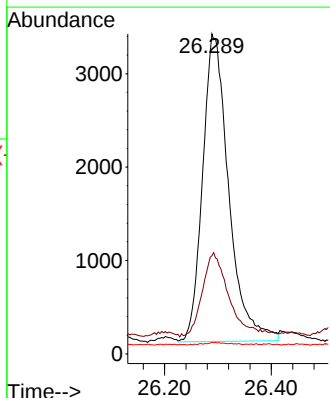
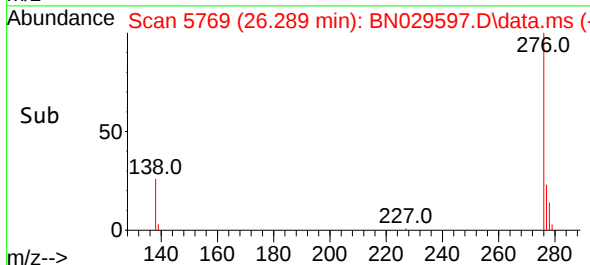
Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024

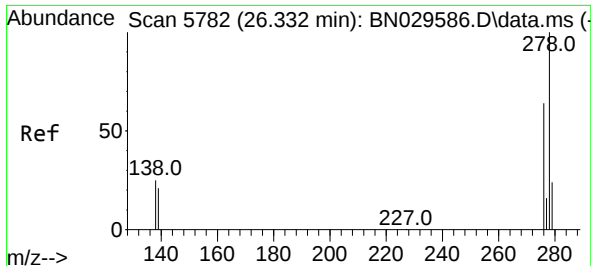


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.213 ng/ul  
RT: 26.289 min Scan# 5769  
Delta R.T. -0.030 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23



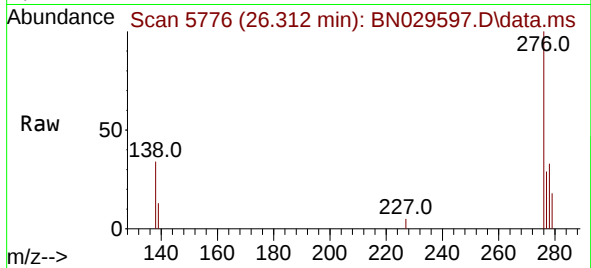
Tgt Ion:276 Resp: 11174  
Ion Ratio Lower Upper  
276 100  
138 28.7 0.0 0.0#  
227 0.7 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.065 ng/ul  
RT: 26.312 min Scan# 51  
Delta R.T. -0.037 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

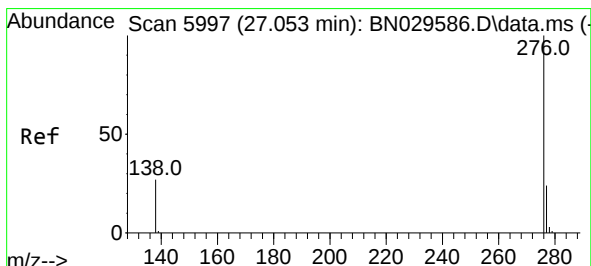
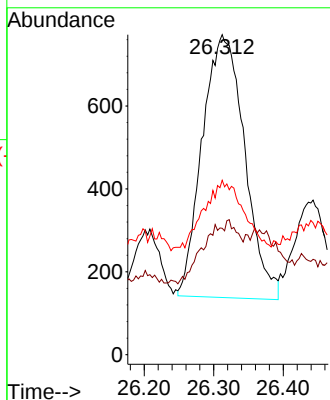
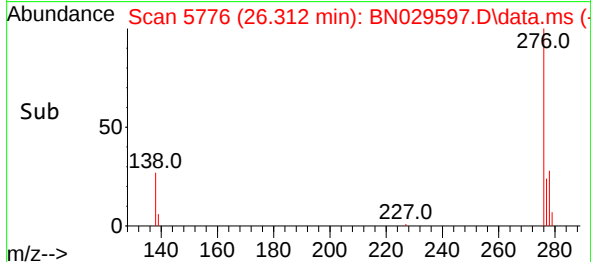
Instrument :  
BNA\_N  
ClientSampleId :  
C0FK0



Tgt Ion:278 Resp: 268  
Ion Ratio Lower Upper  
278 100  
139 39.5 19.0 28.4  
279 54.5 22.6 34.0

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 02/09/2024  
Supervised By :mohammad ahmed 02/09/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.251 ng/ul  
RT: 27.047 min Scan# 5995  
Delta R.T. -0.017 min  
Lab File: BN029597.D  
Acq: 09 Feb 2024 03:23

Tgt Ion:276 Resp: 11960  
Ion Ratio Lower Upper  
276 100  
138 32.0 24.6 37.0  
277 25.9 19.7 29.5

