

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070324\  
 Data File : BN032469.D  
 Acq On : 04 Jul 2024 11:33  
 Operator : MA/JU  
 Sample : P2964-15  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A4CT4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/05/2024  
 Supervised By :mohammad ahmed 07/05/2024

Quant Time: Jul 04 23:05:42 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 03 03:26:42 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.595  | 152  | 8288     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.371 | 136  | 25734    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.244 | 164  | 14638    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.999 | 188  | 27114m   | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.212 | 240  | 19034m   | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.424 | 264  | 21535m   | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.139  | 96   | 31231    | 3.390 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.971 | 152  | 8466     | 0.219 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.036 | 212  | 15462    | 0.270 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.420 | 128  | 2052     | 0.030 | ng/ul# | 85       |
| 10) Acenaphthylene          | 13.962 | 152  | 3275     | 0.054 | ng/ul# | 88       |
| 11) Acenaphthene            | 14.309 | 153  | 1330     | 0.028 | ng/ul  | 96       |
| 12) Fluorene                | 15.303 | 166  | 1539     | 0.027 | ng/ul# | 97       |
| 15) Phenanthrene            | 17.041 | 178  | 24755m   | 0.333 | ng/ul  |          |
| 16) Anthracene              | 17.134 | 178  | 5524m    | 0.083 | ng/ul  |          |
| 19) Fluoranthene            | 19.069 | 202  | 42767    | 0.590 | ng/ul  | 98       |
| 20) Pyrene                  | 19.436 | 202  | 40035    | 0.529 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.194 | 228  | 19225    | 0.280 | ng/ul# | 92       |
| 22) Chrysene                | 21.244 | 228  | 21761m   | 0.289 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 22.760 | 252  | 29619m   | 0.317 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.798 | 252  | 10382m   | 0.114 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.325 | 252  | 20232    | 0.311 | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.660 | 276  | 16154    | 0.158 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 25.663 | 278  | 3827     | 0.051 | ng/ul# | 6        |
| 29) Benzo(g,h,i)perylene    | 26.347 | 276  | 16105    | 0.198 | ng/ul# | 86       |
| -----                       |        |      |          |       |        |          |

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

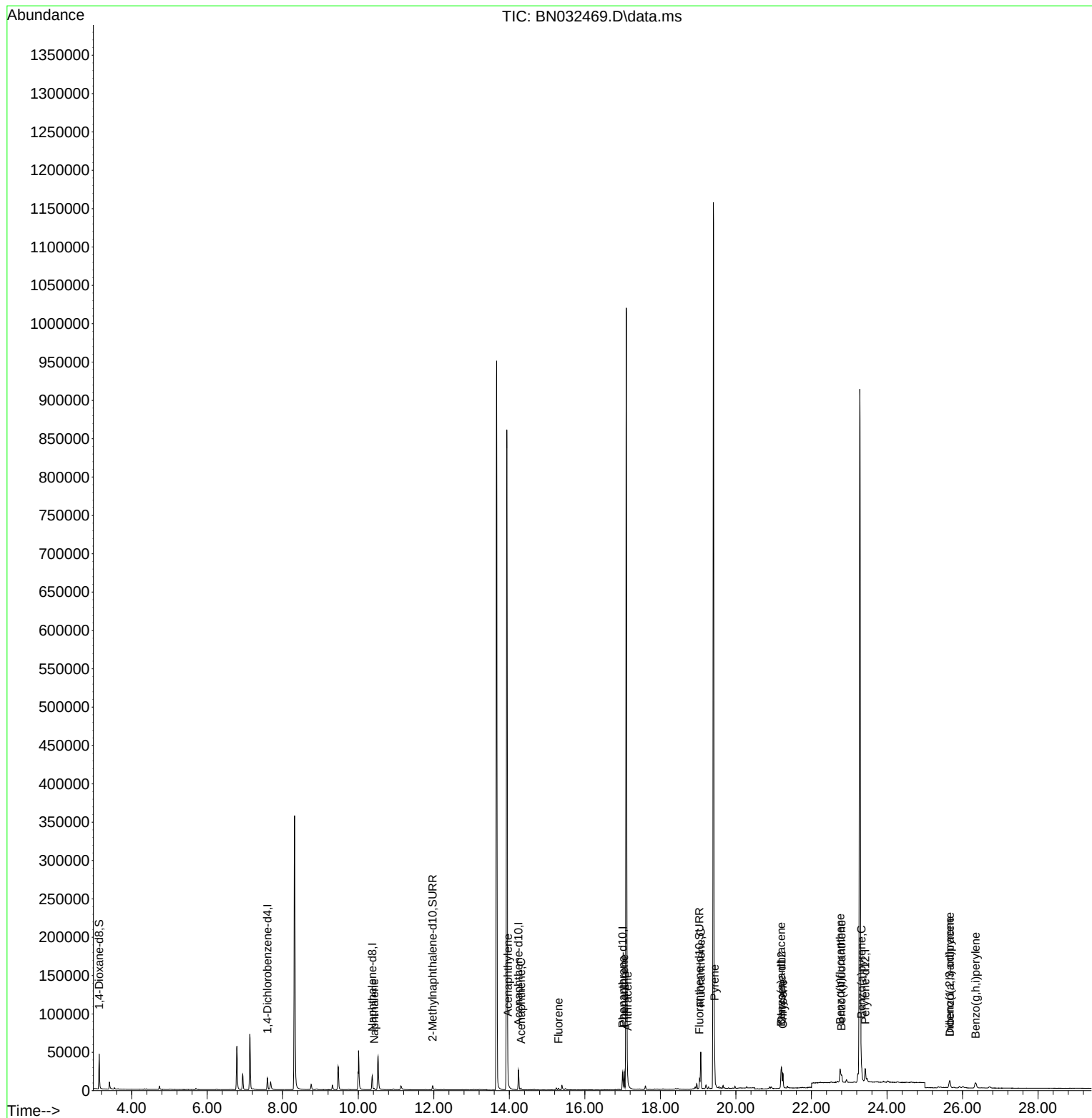
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070324\  
Data File : BN032469.D  
Acq On : 04 Jul 2024 11:33  
Operator : MA/JU  
Sample : P2964-15  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

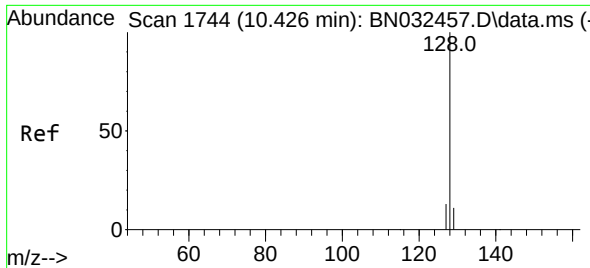
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024

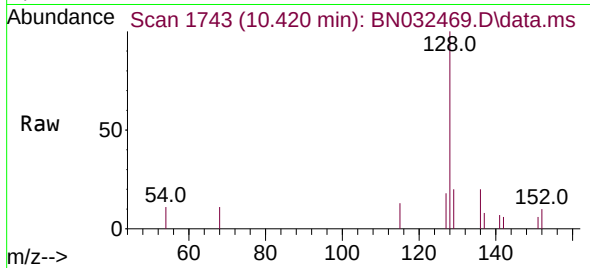
Quant Time: Jul 04 23:05:42 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 03 03:26:42 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.030 ng/ul  
RT: 10.420 min Scan# 1743  
Delta R.T. -0.011 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

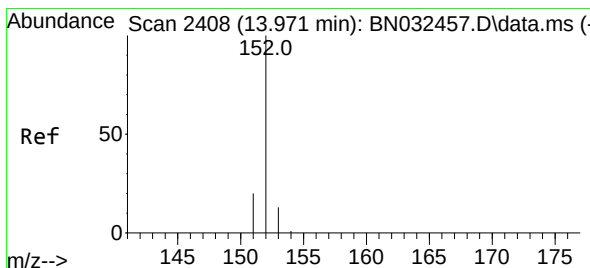
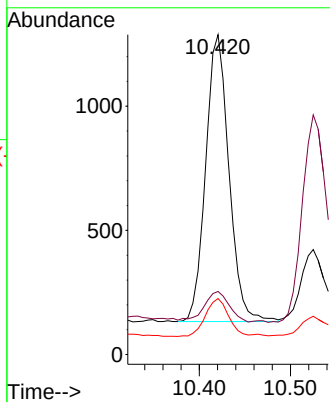
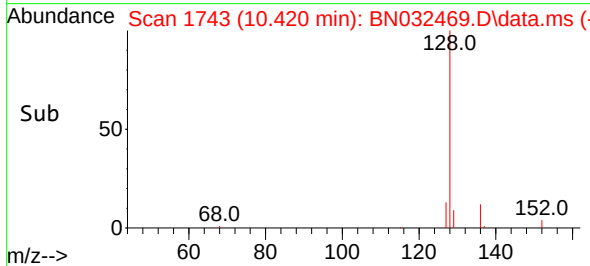
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4



Tgt Ion:128 Resp: 2052  
Ion Ratio Lower Upper  
128 100  
129 19.7 9.2 13.8#  
127 17.5 10.8 16.2#

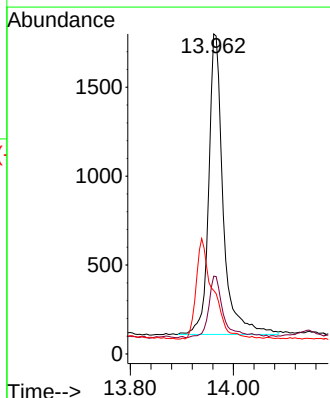
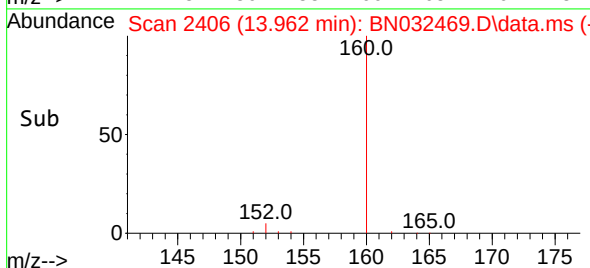
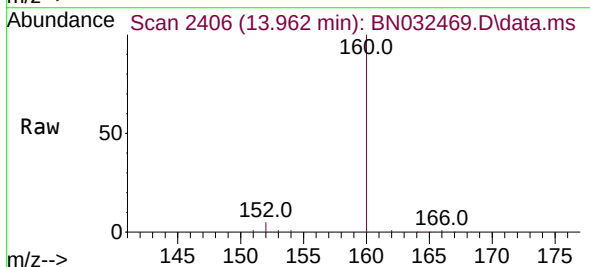
Manual Integrations  
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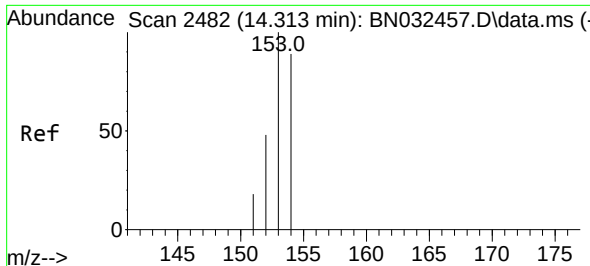
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024



#10  
Acenaphthylene  
Concen: 0.054 ng/ul  
RT: 13.962 min Scan# 2406  
Delta R.T. -0.009 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

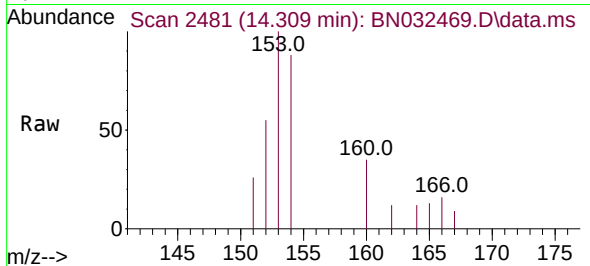
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Ion Ratio Lower Upper  
152 100  
151 24.3 15.7 23.5#  
153 19.8 10.9 16.3#





#11  
Acenaphthene  
Concen: 0.028 ng/u1  
RT: 14.309 min Scan# 2481  
Delta R.T. -0.005 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

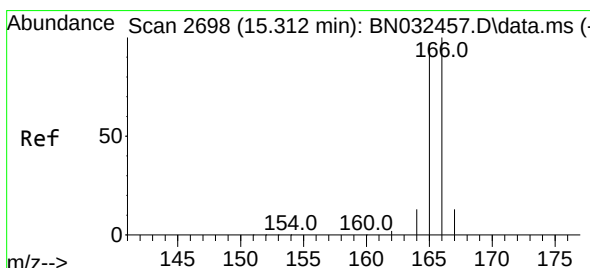
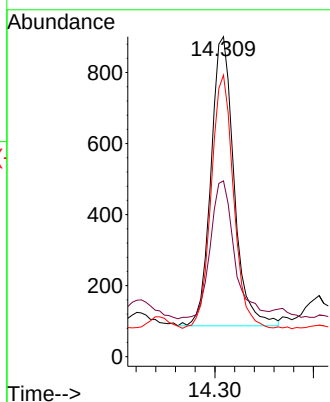
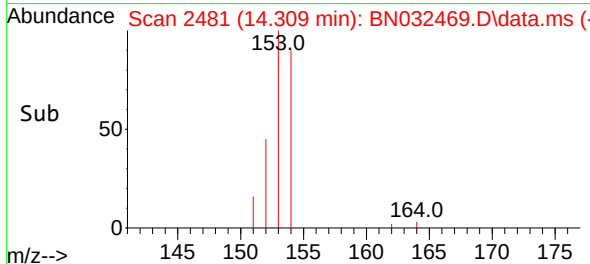
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4



Tgt Ion:153 Resp: 1330  
Ion Ratio Lower Upper  
153 100  
152 54.9 39.5 59.3  
154 88.0 71.7 107.5

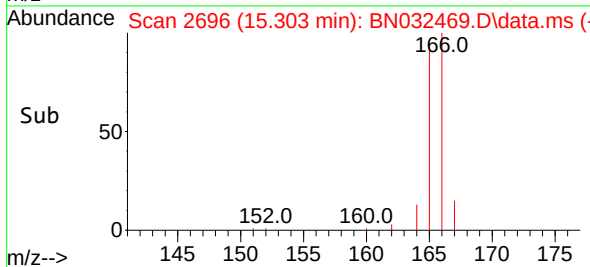
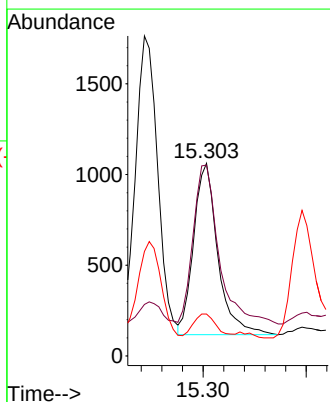
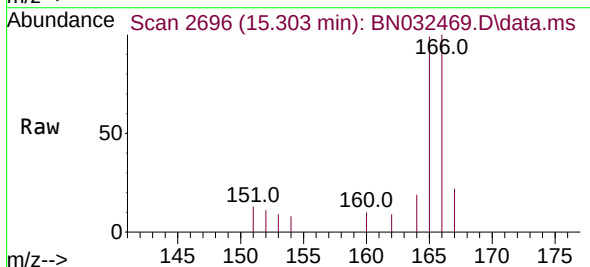
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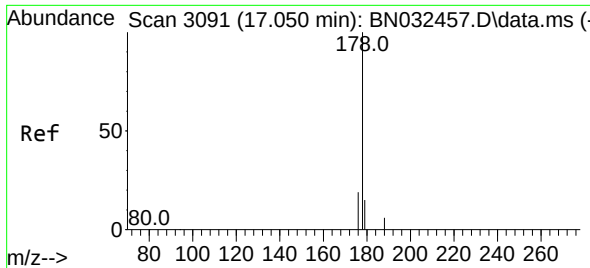
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024



#12  
Fluorene  
Concen: 0.027 ng/u1  
RT: 15.303 min Scan# 2696  
Delta R.T. -0.009 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

Tgt Ion:166 Resp: 1539  
Ion Ratio Lower Upper  
166 100  
165 99.1 79.0 118.6  
167 21.8 11.0 16.6#





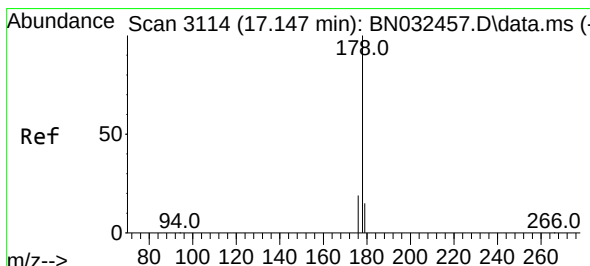
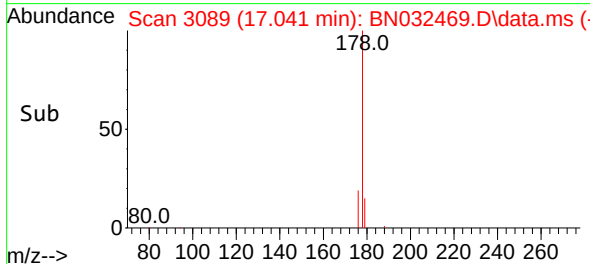
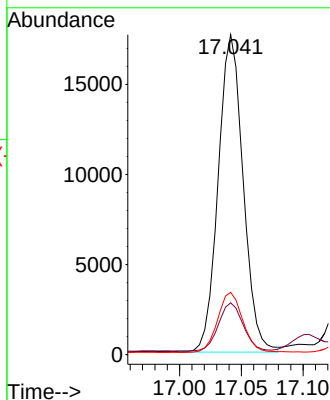
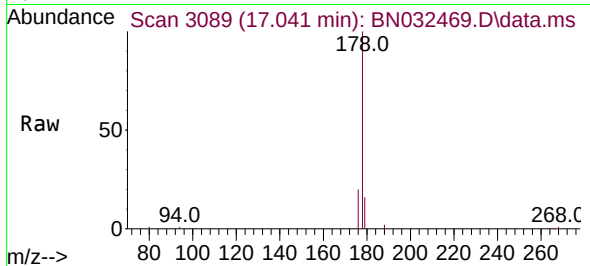
#15  
Phenanthrene  
Concen: 0.333 ng/ul m  
RT: 17.041 min Scan# 3091  
Delta R.T. -0.008 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4

Tgt Ion:178 Resp: 2475  
Ion Ratio Lower Upper  
178 100  
179 16.2 12.6 18.8  
176 19.5 15.6 23.4

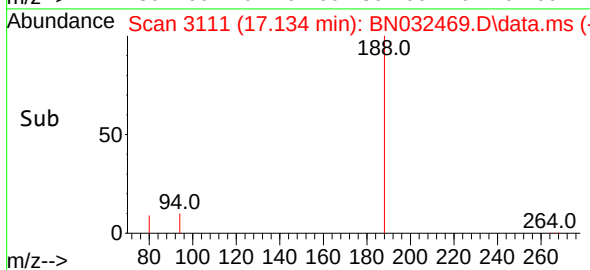
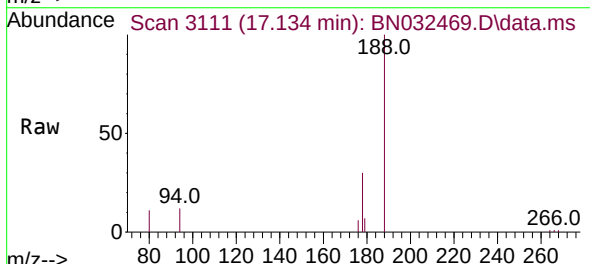
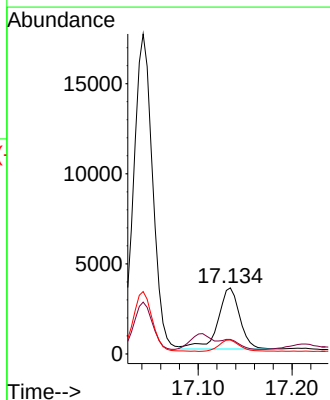
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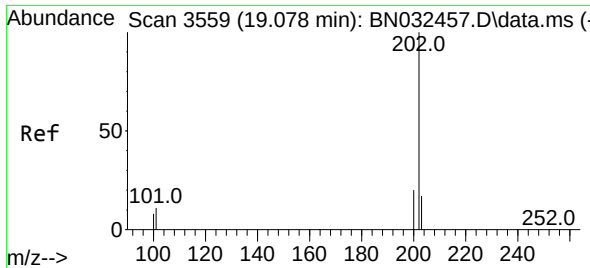
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024



#16  
Anthracene  
Concen: 0.083 ng/ul m  
RT: 17.134 min Scan# 3111  
Delta R.T. -0.008 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

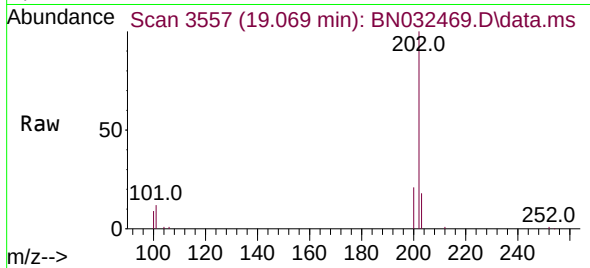
Tgt Ion:178 Resp: 5524  
Ion Ratio Lower Upper  
178 100  
179 22.0 12.5 18.7#  
176 21.0 15.0 22.6





#19  
Fluoranthene  
Concen: 0.590 ng/ul  
RT: 19.069 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

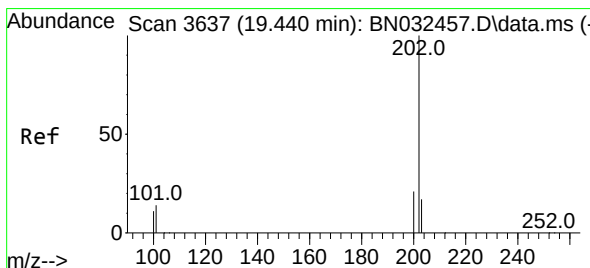
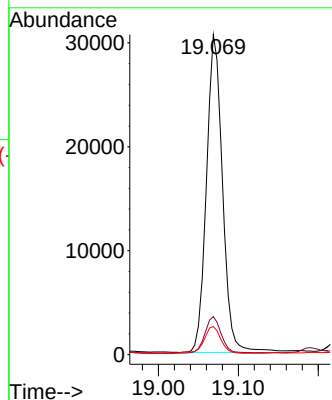
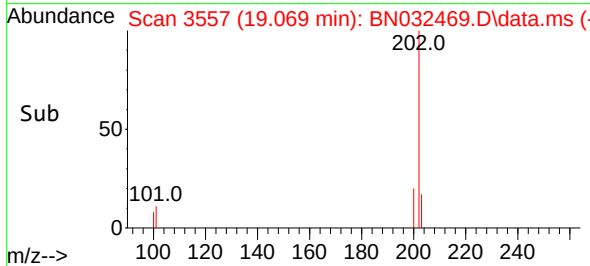
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4



Tgt Ion:202 Resp: 4276  
Ion Ratio Lower Upper  
202 100  
101 11.9 8.8 13.2  
100 8.8 6.4 9.6

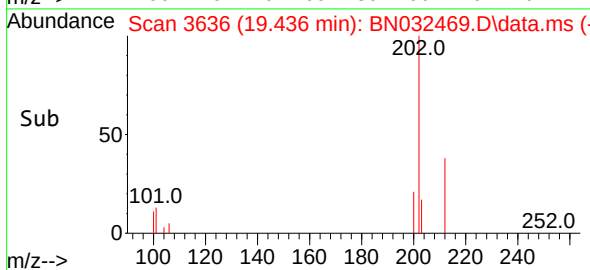
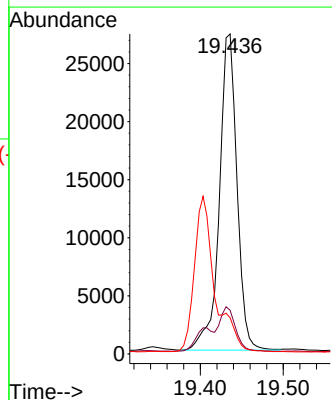
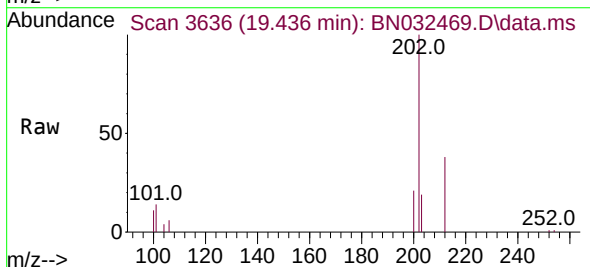
Manual Integrations  
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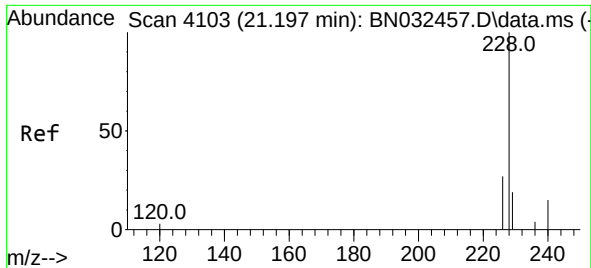
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024



#20  
Pyrene  
Concen: 0.529 ng/ul  
RT: 19.436 min Scan# 3636  
Delta R.T. -0.005 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

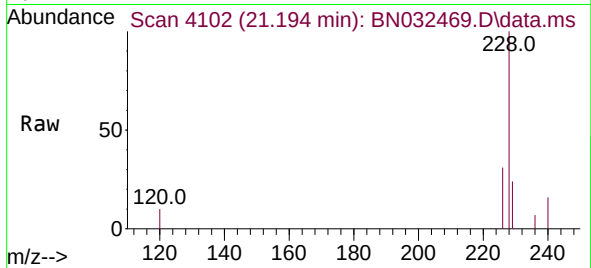
Tgt Ion:202 Resp: 40035  
Ion Ratio Lower Upper  
202 100  
101 13.7 11.0 16.4  
100 11.3 8.7 13.1





#21  
Benzo(a)anthracene  
Concen: 0.280 ng/ul  
RT: 21.194 min Scan# 4119  
Delta R.T. 0.003 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

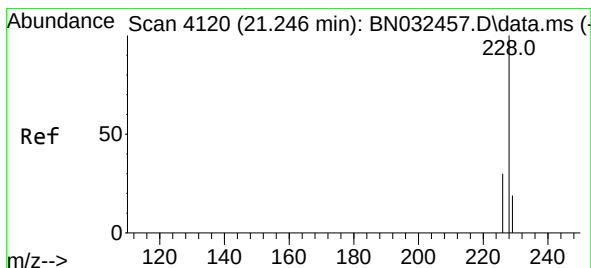
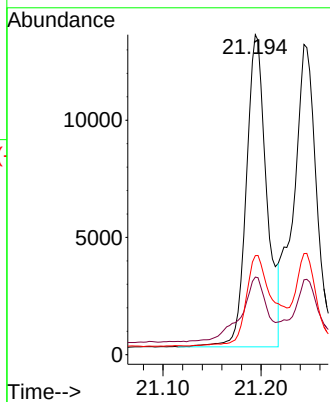
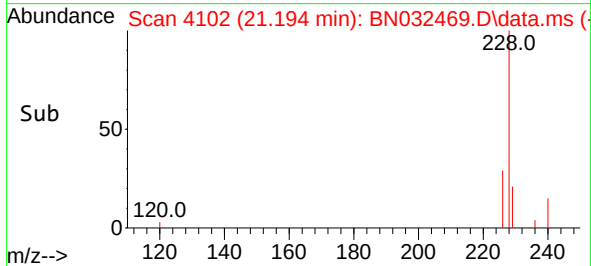
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4



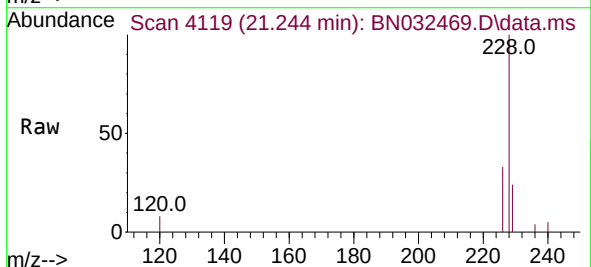
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Ion Ratio Lower Upper  
228 100  
229 24.3 15.7 23.5  
226 30.9 21.8 32.8

Manual Integrations  
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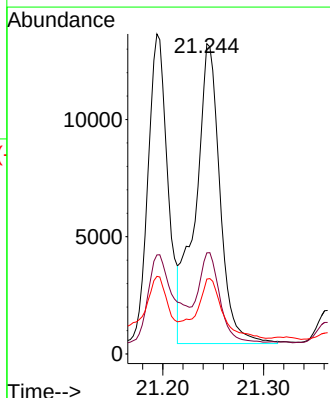
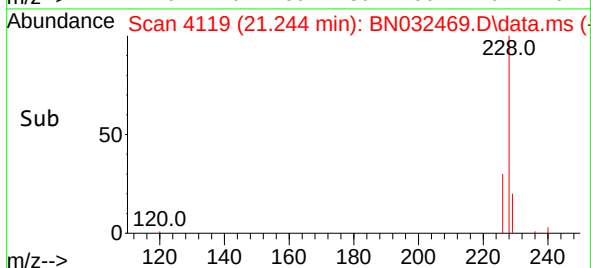
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024

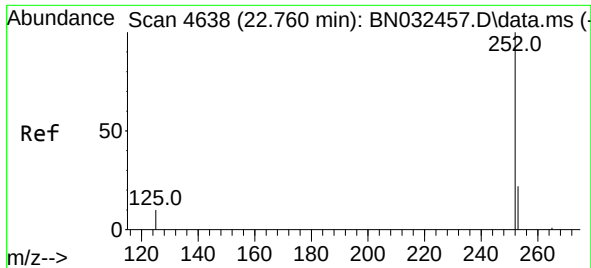


#22  
Chrysene  
Concen: 0.289 ng/ul m  
RT: 21.244 min Scan# 4119  
Delta R.T. 0.000 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33



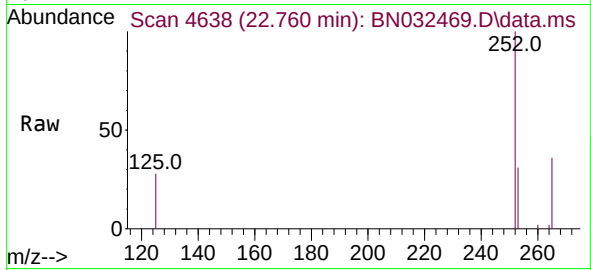
Tgt Ion:228 Resp: 21761  
Ion Ratio Lower Upper  
228 100  
226 32.6 23.6 35.4  
229 24.1 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 0.317 ng/ul m  
RT: 22.760 min Scan# 4638  
Delta R.T. 0.003 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

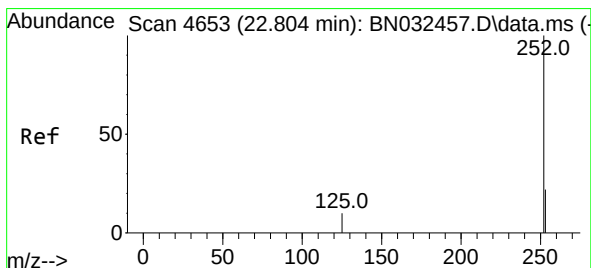
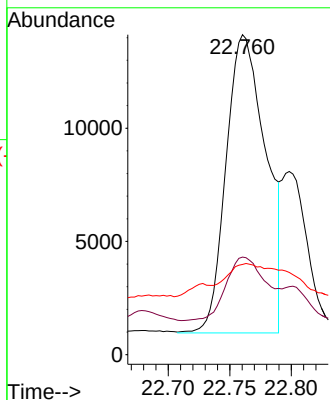
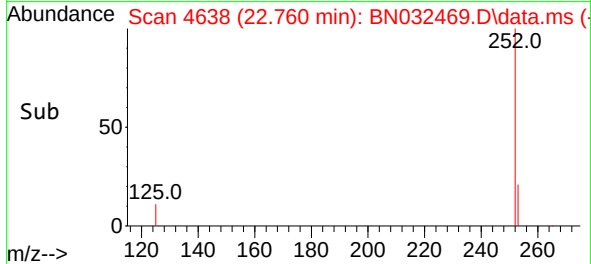
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4



Tgt Ion:252 Resp: 29619  
Ion Ratio Lower Upper  
252 100  
253 30.5 0.0 50.2  
125 28.2 0.0 32.0

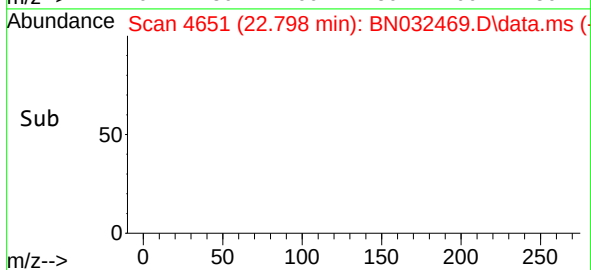
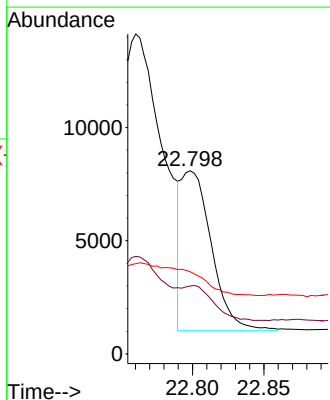
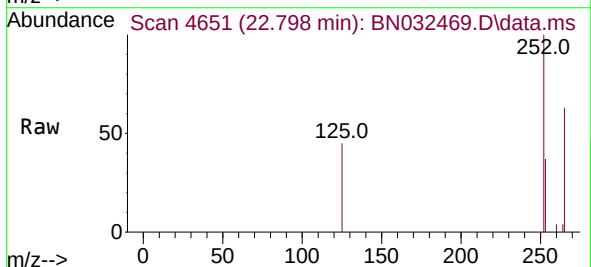
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024

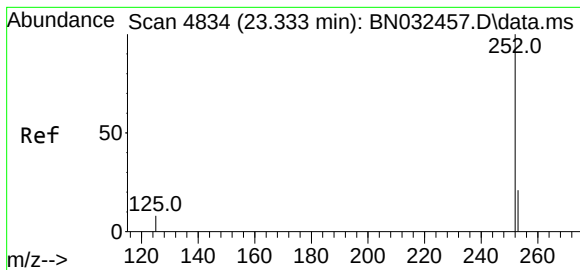


#25  
Benzo(k)fluoranthene  
Concen: 0.114 ng/ul m  
RT: 22.798 min Scan# 4651  
Delta R.T. -0.003 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

Tgt Ion:252 Resp: 10382  
Ion Ratio Lower Upper  
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125 44.9 12.8 19.2#

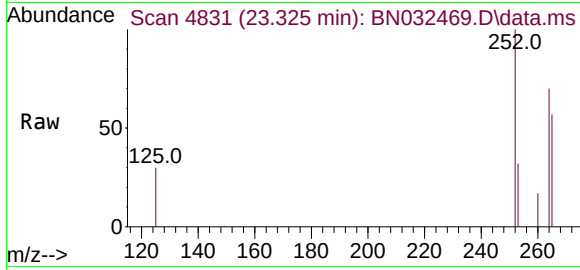






#26  
Benzo(a)pyrene  
Concen: 0.311 ng/ul  
RT: 23.325 min Scan# 4831  
Delta R.T. -0.003 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

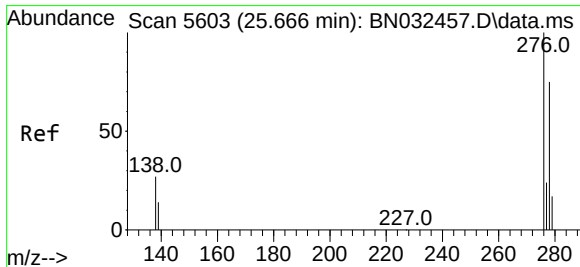
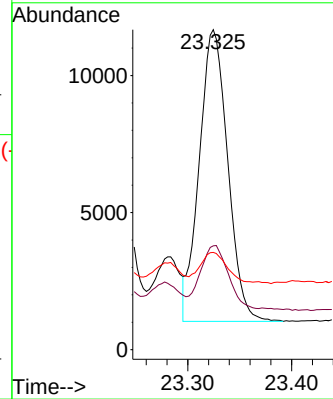
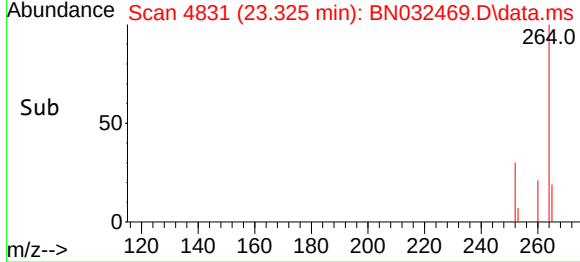
Instrument :  
BNA\_N  
ClientSampleId :  
A4CT4



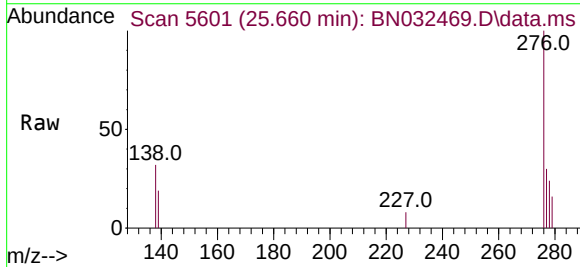
Tgt Ion:252 Resp: 2023  
Ion Ratio Lower Upper  
252 100  
253 32.5 22.2 33.2  
125 30.4 16.4 24.6

Manual Integrations  
APPROVED

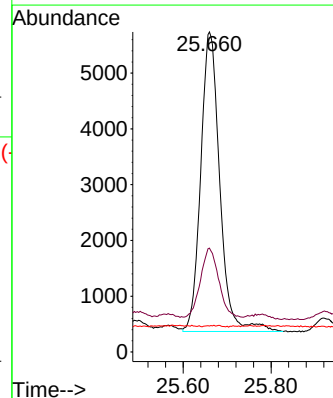
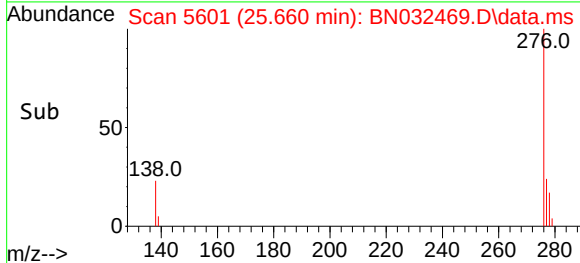
Reviewed By :Yogesh Patel 07/05/2024  
Supervised By :mohammad ahmed 07/05/2024

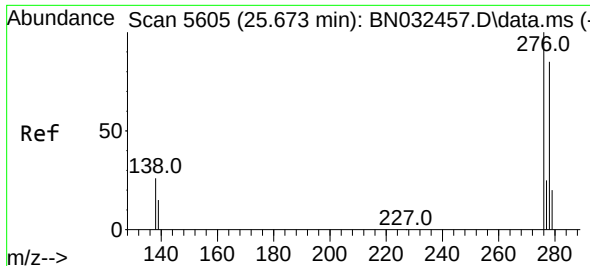


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.158 ng/ul  
RT: 25.660 min Scan# 5601  
Delta R.T. 0.000 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33



Tgt Ion:276 Resp: 16154  
Ion Ratio Lower Upper  
276 100  
138 22.7 21.3 31.9  
227 0.2 0.1 0.1





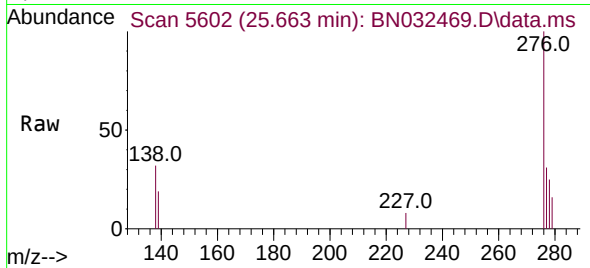
#28  
Dibenzo(a,h)anthracene  
Concen: 0.051 ng/ul  
RT: 25.663 min Scan# 5602  
Delta R.T. -0.003 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33

Instrument :

BNA\_N

ClientSampleId :

A4CT4



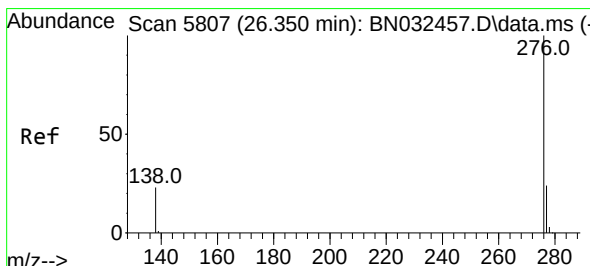
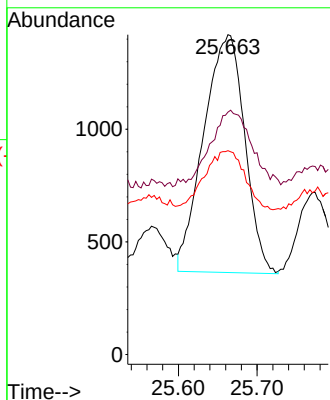
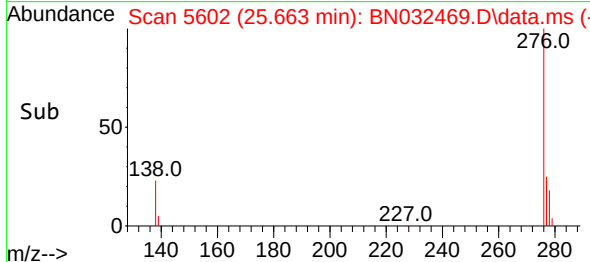
Tgt Ion:278 Resp: 382  
Ion Ratio Lower Upper  
278 100  
139 75.8 15.9 23.9#  
279 63.7 21.1 31.7#

Manual Integrations

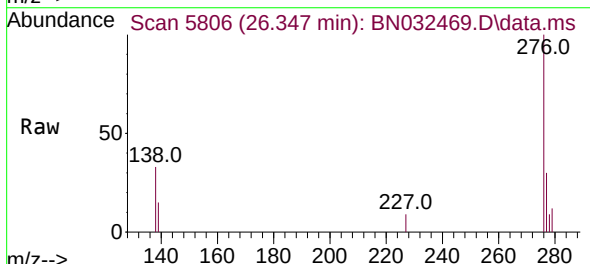
APPROVED

Reviewed By :Yogesh Patel 07/05/2024

Supervised By :mohammad ahmed 07/05/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.198 ng/ul  
RT: 26.347 min Scan# 5806  
Delta R.T. 0.003 min  
Lab File: BN032469.D  
Acq: 04 Jul 2024 11:33



Tgt Ion:276 Resp: 16105  
Ion Ratio Lower Upper  
276 100  
138 32.7 19.8 29.6#  
277 30.5 19.8 29.6#

