

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020425\  
 Data File : BN036259.D  
 Acq On : 04 Feb 2025 13:19  
 Operator : RC/JU  
 Sample : Q1224-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A6304

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2025  
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 07:38:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 03 12:27:24 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.779  | 152  | 2973     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.568 | 136  | 7017     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.419 | 164  | 3874     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.167 | 188  | 7701     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.354 | 240  | 7057     | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.639 | 264  | 7460m    | 0.400 | ng/ul  | -0.02    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.256  | 96   | 11788    | 3.621 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.163 | 152  | 1723     | 0.194 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.193 | 212  | 2803     | 0.145 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 10) Acenaphthylene          | 14.141 | 152  | 573      | 0.031 | ng/ul# | 74       |
| 12) Fluorene                | 15.469 | 166  | 315      | 0.021 | ng/ul# | 93       |
| 15) Phenanthrene            | 17.205 | 178  | 13285    | 0.589 | ng/ul  | 98       |
| 16) Anthracene              | 17.298 | 178  | 1214     | 0.058 | ng/ul# | 83       |
| 19) Fluoranthene            | 19.226 | 202  | 46204    | 1.723 | ng/ul  | 97       |
| 20) Pyrene                  | 19.588 | 202  | 38637    | 1.380 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.336 | 228  | 13800    | 0.548 | ng/ul  | 99       |
| 22) Chrysene                | 21.389 | 228  | 22337    | 0.868 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.949 | 252  | 33143m   | 1.331 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.993 | 252  | 11181m   | 0.427 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.540 | 252  | 18964    | 0.843 | ng/ul# | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.964 | 276  | 15791    | 0.531 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 25.967 | 278  | 3399     | 0.148 | ng/ul# | 69       |
| 29) Benzo(g,h,i)perylene    | 26.675 | 276  | 16447    | 0.712 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

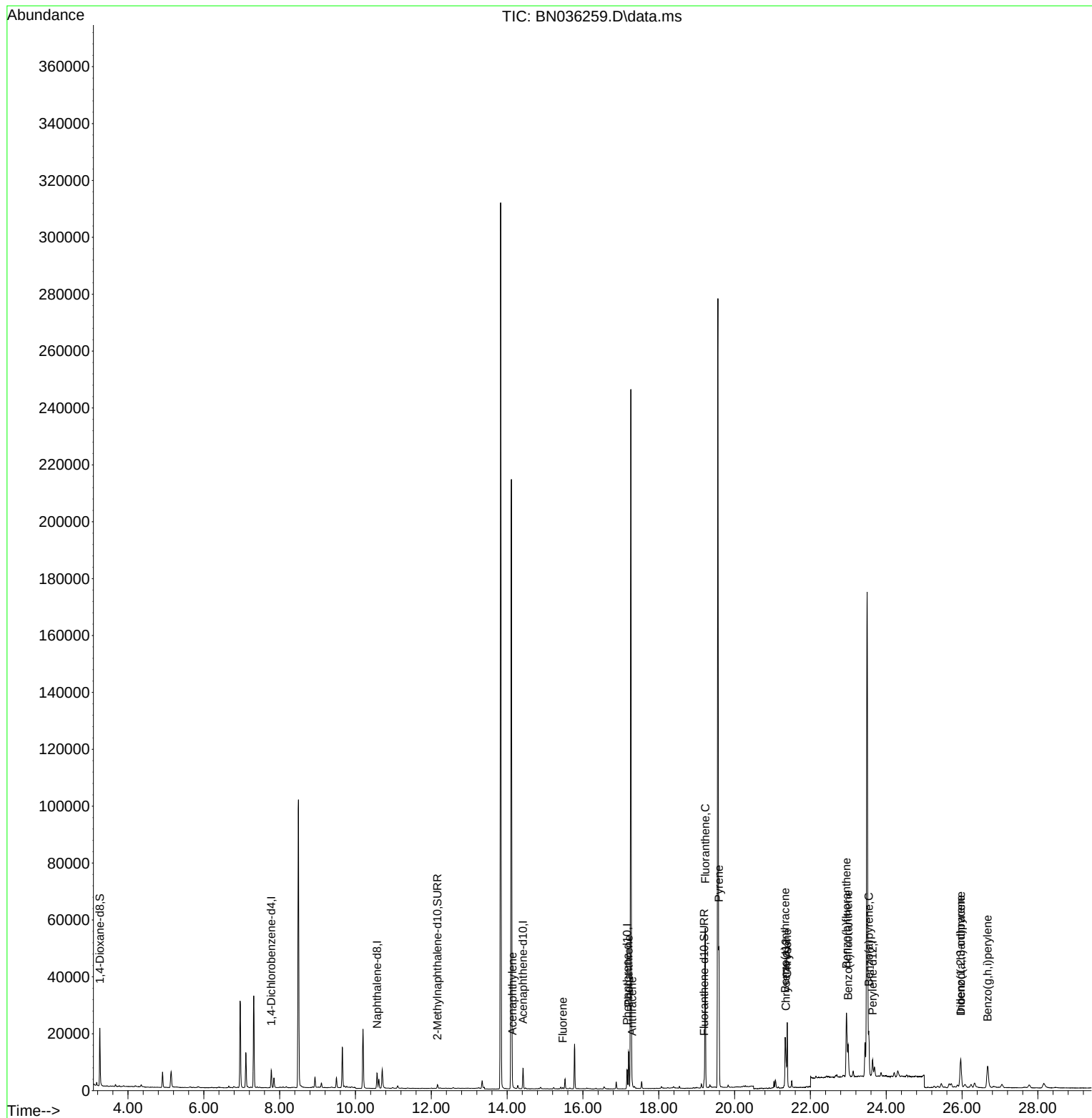
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN020425\  
Data File : BN036259.D  
Acq On : 04 Feb 2025 13:19  
Operator : RC/JU  
Sample : Q1224-04  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

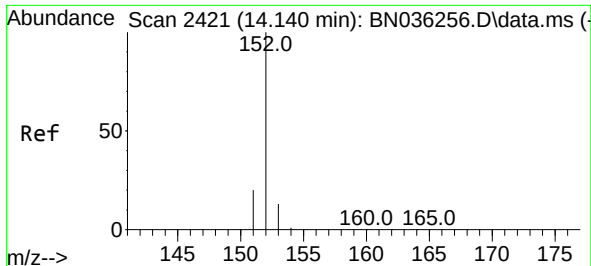
Instrument :  
BNA\_N  
ClientSampleId :  
A6304

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025

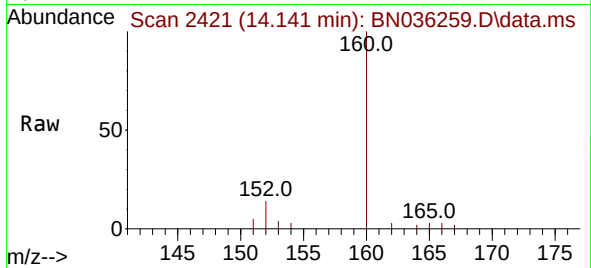
Quant Time: Feb 05 07:38:20 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 03 12:27:24 2025  
Response via : Initial Calibration





#10  
Acenaphthylene  
Concen: 0.031 ng/u1  
RT: 14.141 min Scan# 2421  
Delta R.T. -0.004 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

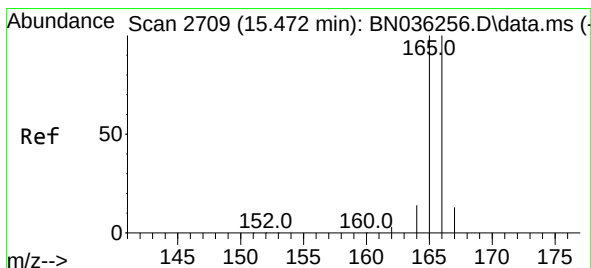
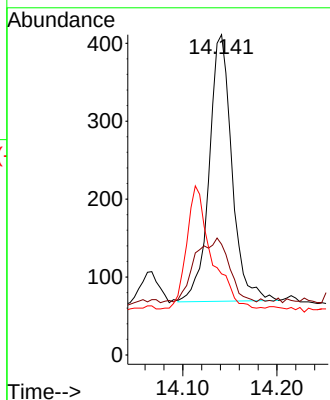
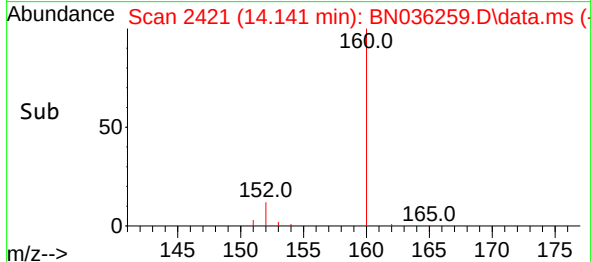
Instrument :  
BNA\_N  
ClientSampleId :  
A6304



Tgt Ion:152 Resp: 57.0  
Ion Ratio Lower Upper  
152 100  
151 34.5 17.4 26.2  
153 25.3 11.9 17.9

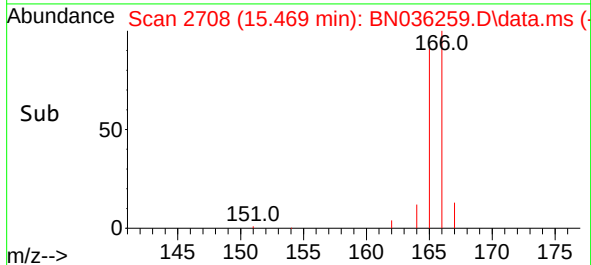
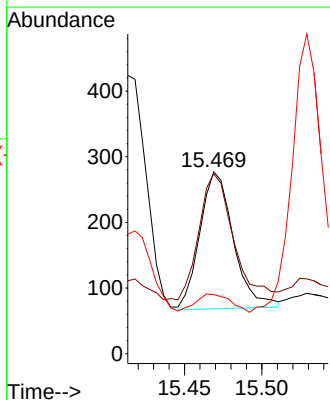
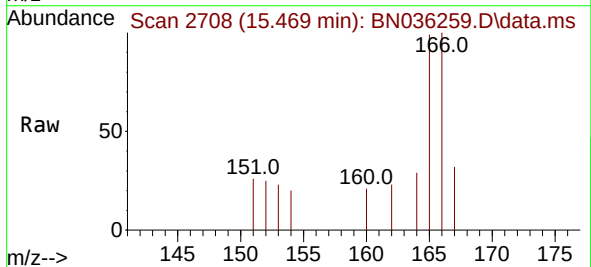
Manual Integrations  
APPROVED

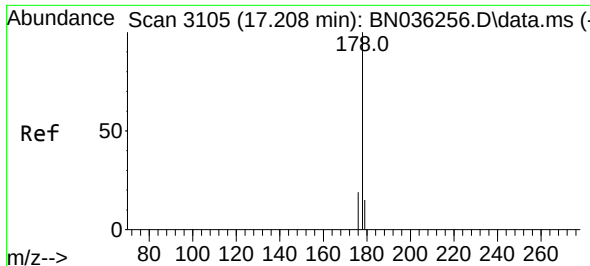
Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025



#12  
Fluorene  
Concen: 0.021 ng/u1  
RT: 15.469 min Scan# 2708  
Delta R.T. -0.008 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

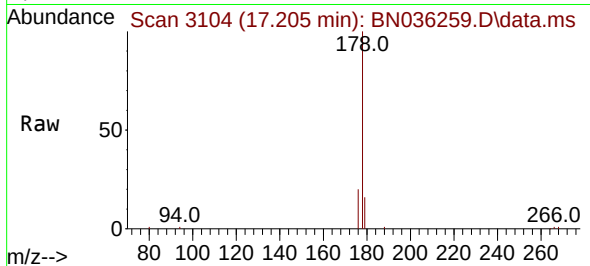
Tgt Ion:166 Resp: 315  
Ion Ratio Lower Upper  
166 100  
165 98.9 80.3 120.5  
167 32.5 12.3 18.5





#15  
Phenanthrene  
Concen: 0.589 ng/ul  
RT: 17.205 min Scan# 3104  
Delta R.T. -0.007 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

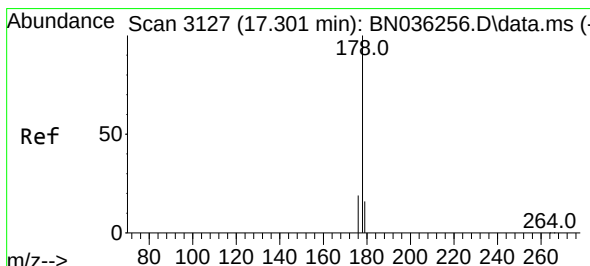
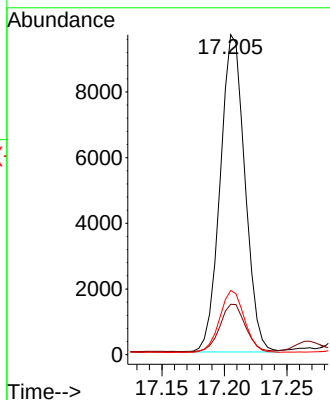
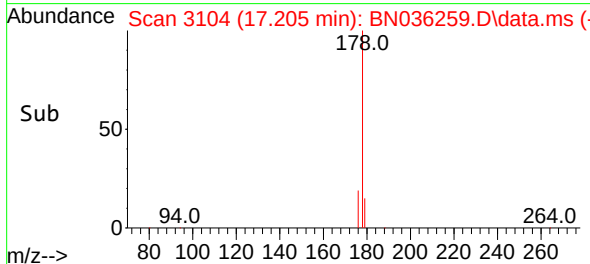
Instrument :  
BNA\_N  
ClientSampleId :  
A6304



Tgt Ion:178 Resp: 13285  
Ion Ratio Lower Upper  
178 100  
179 15.8 13.2 19.8  
176 20.1 16.8 25.2

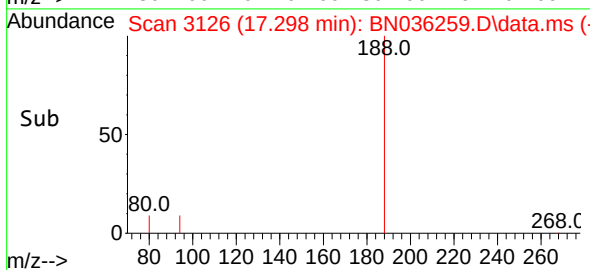
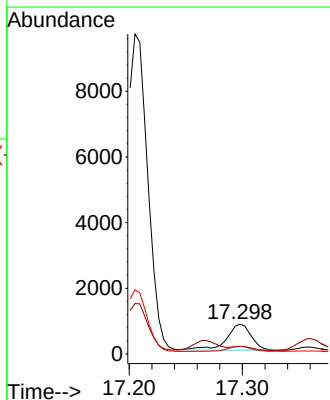
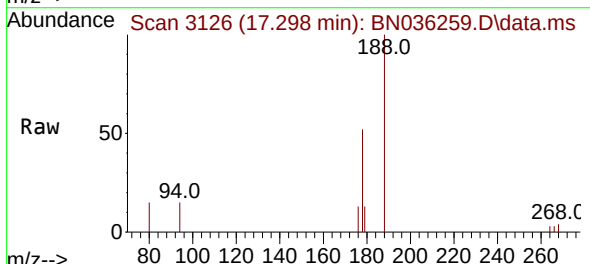
Manual Integrations  
APPROVED

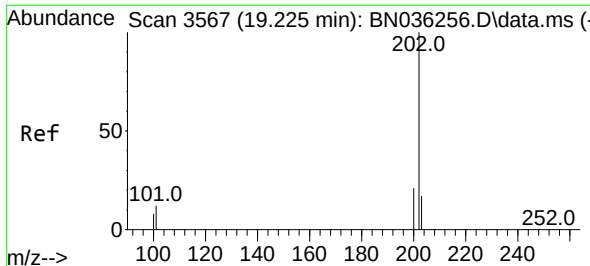
Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025



#16  
Anthracene  
Concen: 0.058 ng/ul  
RT: 17.298 min Scan# 3126  
Delta R.T. -0.007 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

Tgt Ion:178 Resp: 1214  
Ion Ratio Lower Upper  
178 100  
179 25.6 13.0 19.4#  
176 25.4 15.9 23.9#





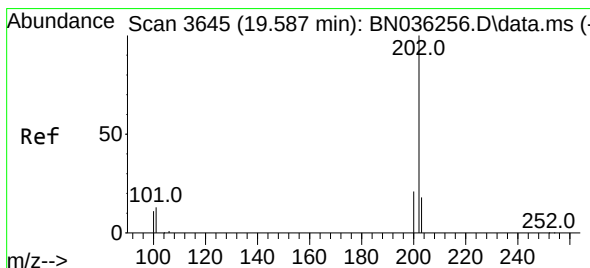
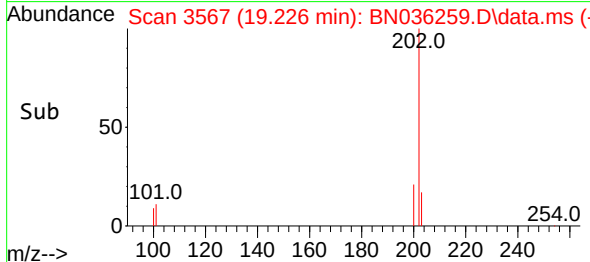
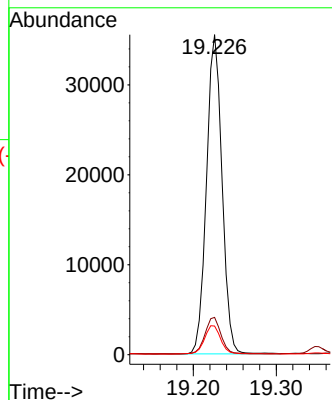
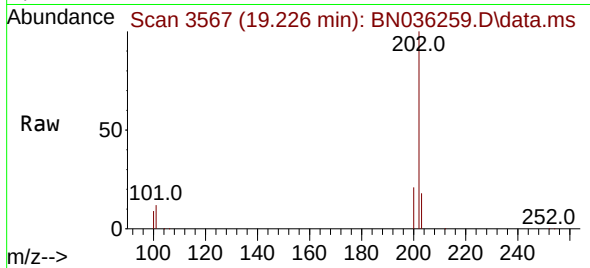
#19  
Fluoranthene  
Concen: 1.723 ng/ul  
RT: 19.226 min Scan# 3567  
Delta R.T. -0.008 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

Instrument :  
BNA\_N  
ClientSampleId :  
A6304

Tgt Ion:202 Resp: 46204  
Ion Ratio Lower Upper  
202 100  
101 11.6 8.4 12.6  
100 9.0 6.5 9.7

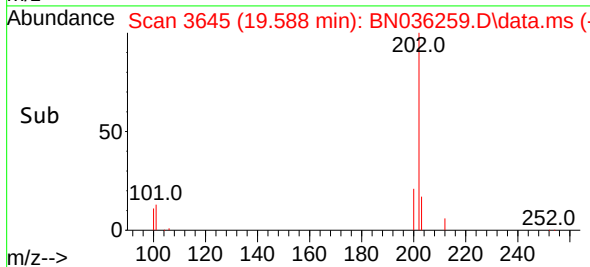
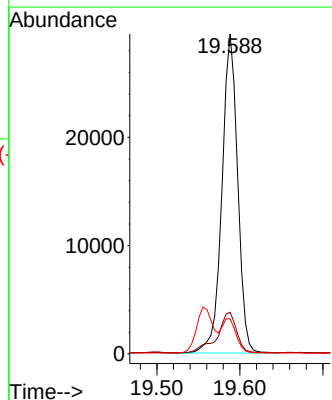
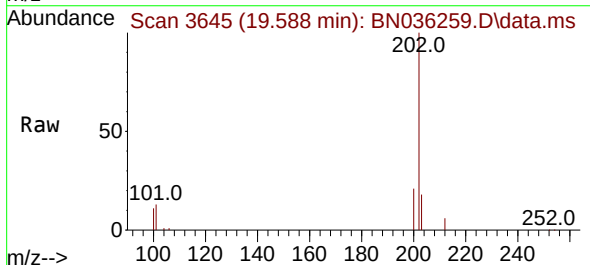
Manual Integrations  
APPROVED

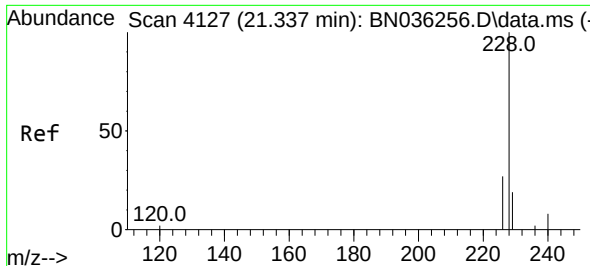
Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025



#20  
Pyrene  
Concen: 1.380 ng/ul  
RT: 19.588 min Scan# 3645  
Delta R.T. -0.008 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

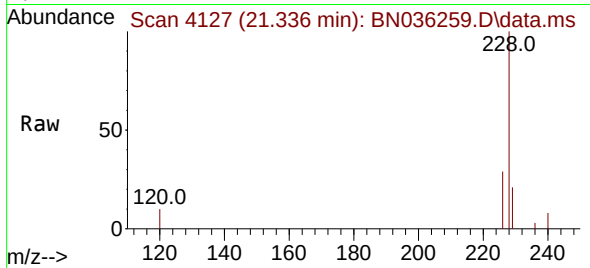
Tgt Ion:202 Resp: 38637  
Ion Ratio Lower Upper  
202 100  
101 13.1 9.3 13.9  
100 11.0 7.5 11.3





#21  
Benzo(a)anthracene  
Concen: 0.548 ng/ul  
RT: 21.336 min Scan# 4127  
Delta R.T. -0.009 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

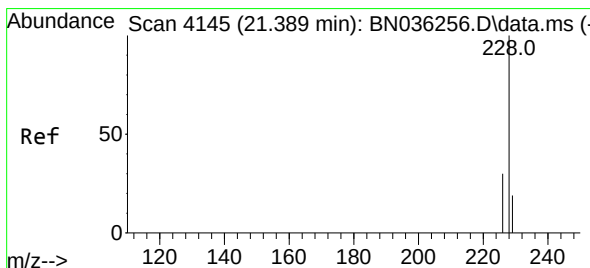
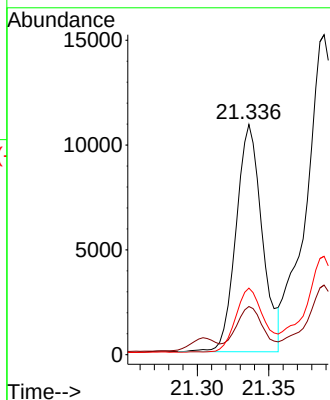
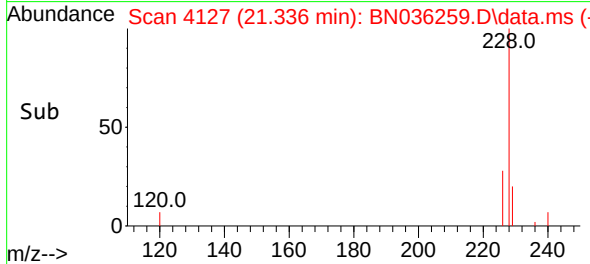
Instrument :  
BNA\_N  
ClientSampleId :  
A6304



Tgt Ion:228 Resp: 13800  
Ion Ratio Lower Upper  
228 100  
229 20.9 15.9 23.9  
226 28.9 22.8 34.2

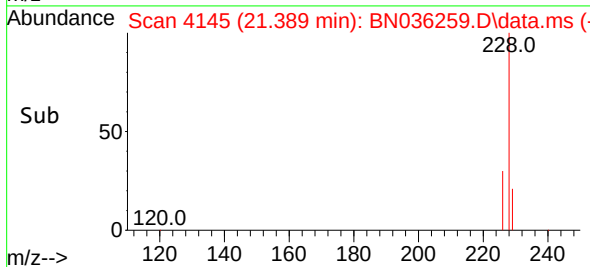
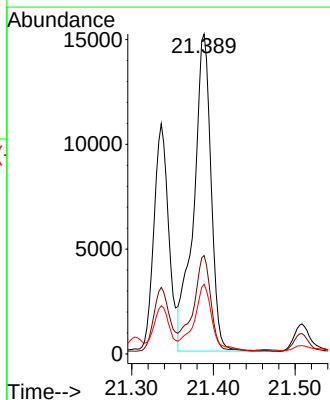
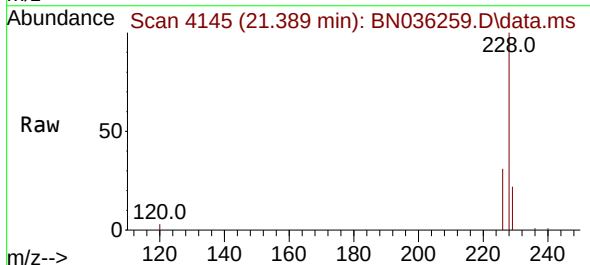
Manual Integrations  
APPROVED

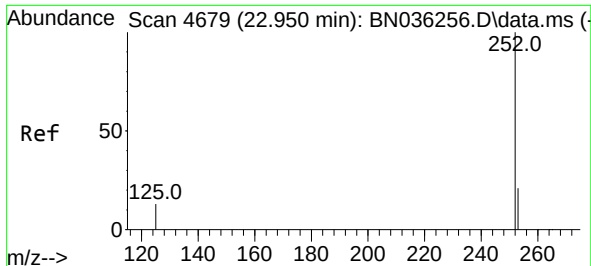
Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025



#22  
Chrysene  
Concen: 0.868 ng/ul  
RT: 21.389 min Scan# 4145  
Delta R.T. -0.009 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

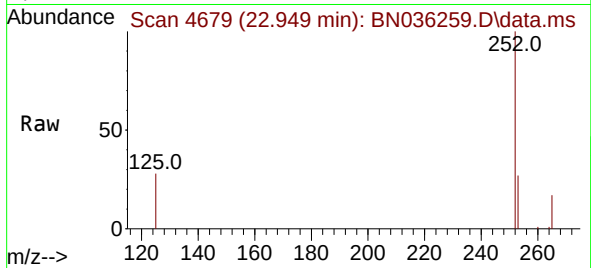
Tgt Ion:228 Resp: 22337  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.4 36.6  
229 21.7 15.9 23.9





#24  
Benzo(b)fluoranthene  
Concen: 1.331 ng/ul m  
RT: 22.949 min Scan# 4679  
Delta R.T. -0.012 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

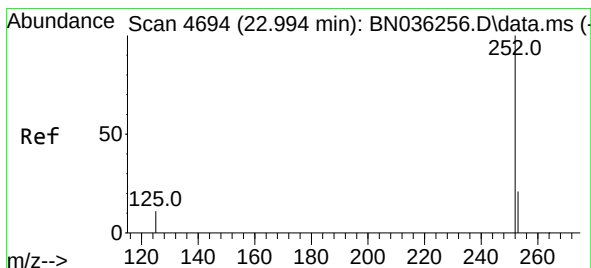
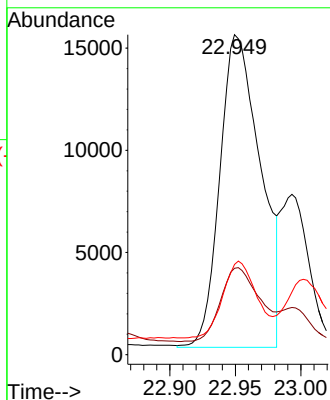
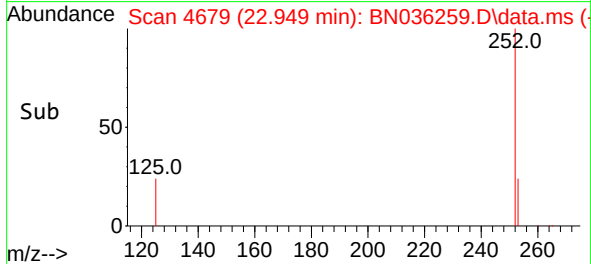
Instrument :  
BNA\_N  
ClientSampleId :  
A6304



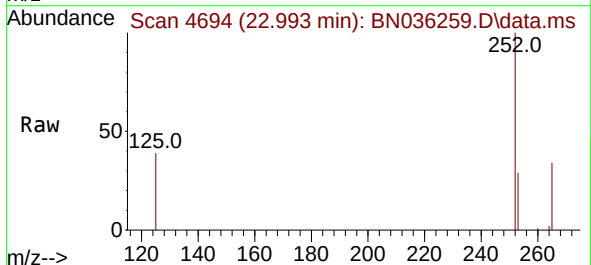
Tgt Ion:252 Resp: 3314  
Ion Ratio Lower Upper  
252 100  
253 27.0 0.0 51.2  
125 28.2 0.0 27.8

Manual Integrations  
APPROVED

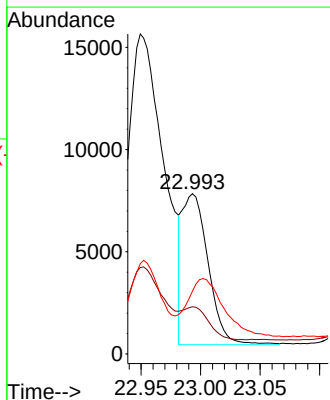
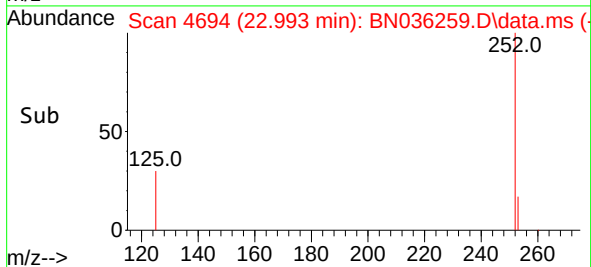
Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025

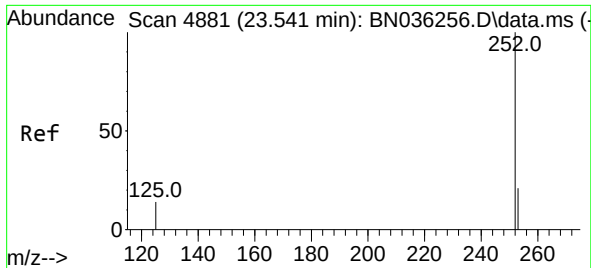


#25  
Benzo(k)fluoranthene  
Concen: 0.427 ng/ul m  
RT: 22.993 min Scan# 4694  
Delta R.T. -0.015 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19



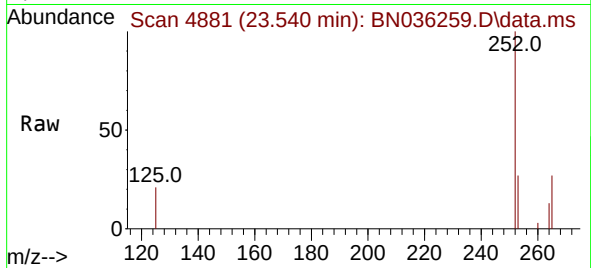
Tgt Ion:252 Resp: 11181  
Ion Ratio Lower Upper  
252 100  
253 29.5 20.2 30.4  
125 39.1 10.6 16.0





#26  
Benzo(a)pyrene  
Concen: 0.843 ng/ul  
RT: 23.540 min Scan# 4881  
Delta R.T. -0.015 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

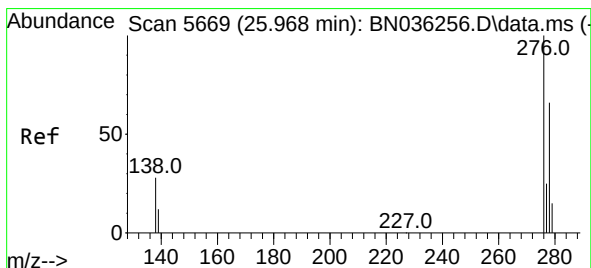
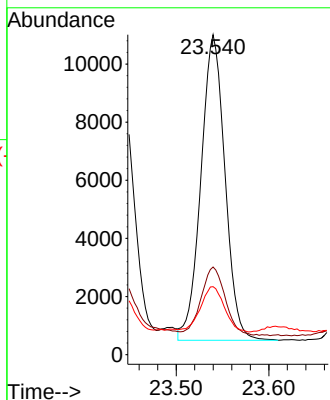
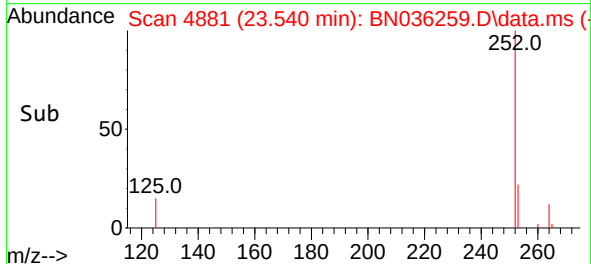
Instrument :  
BNA\_N  
ClientSampleId :  
A6304



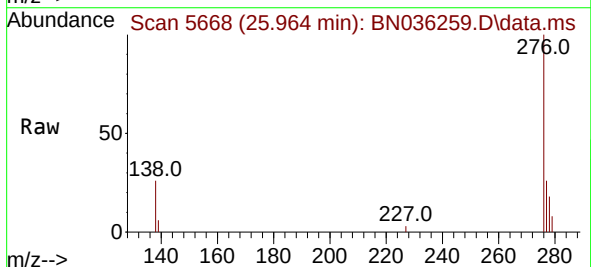
Tgt Ion:252 Resp: 18964  
Ion Ratio Lower Upper  
252 100  
253 27.4 22.2 33.4  
125 21.2 13.1 19.7

Manual Integrations  
APPROVED

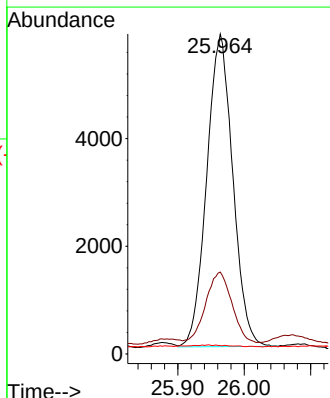
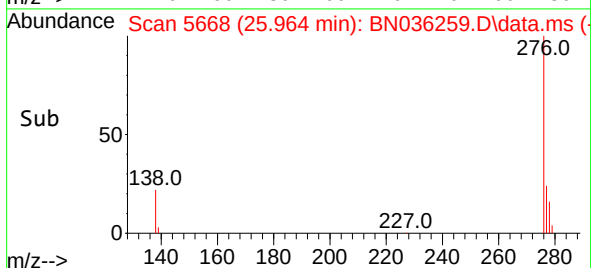
Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025



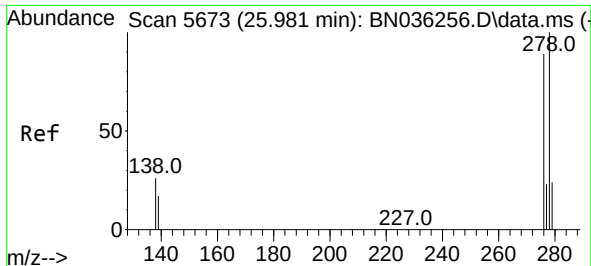
#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.531 ng/ul  
RT: 25.964 min Scan# 5668  
Delta R.T. -0.024 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19



Tgt Ion:276 Resp: 15791  
Ion Ratio Lower Upper  
276 100  
138 23.7 20.2 30.4  
227 0.6 0.1 0.1

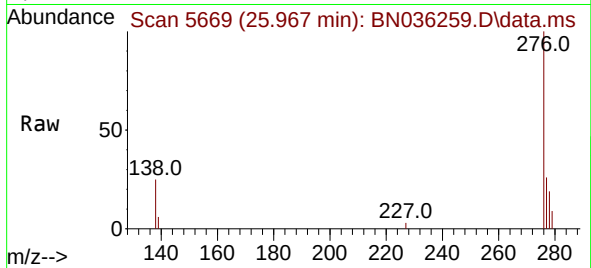






#28  
Dibenzo(a,h)anthracene  
Concen: 0.148 ng/ul  
RT: 25.967 min Scan# 5669  
Delta R.T. -0.031 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19

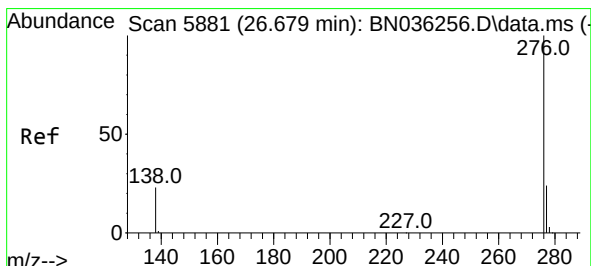
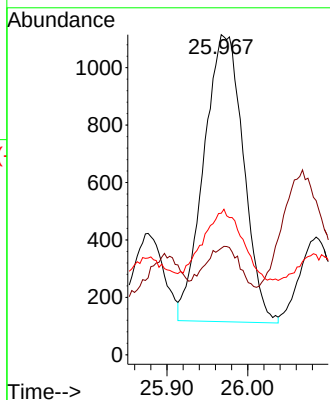
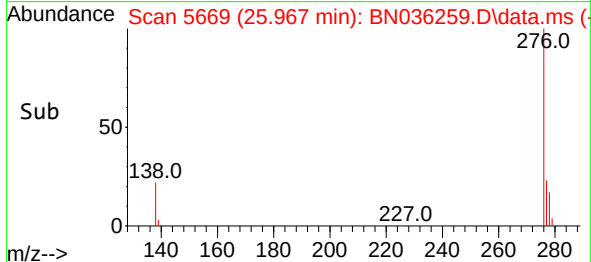
Instrument :  
BNA\_N  
ClientSampleId :  
A6304



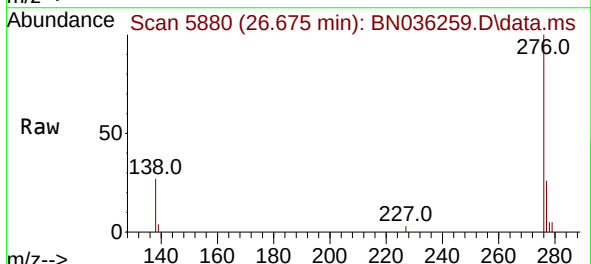
Tgt Ion:278 Resp: 3399  
Ion Ratio Lower Upper  
278 100  
139 33.3 15.4 23.2  
279 44.2 22.2 33.4

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 02/05/2025  
Supervised By :mohammad ahmed 02/06/2025



#29  
Benzo(g,h,i)perylene  
Concen: 0.712 ng/ul  
RT: 26.675 min Scan# 5880  
Delta R.T. -0.027 min  
Lab File: BN036259.D  
Acq: 04 Feb 2025 13:19



Tgt Ion:276 Resp: 16447  
Ion Ratio Lower Upper  
276 100  
138 26.5 19.4 29.0  
277 25.9 21.1 31.7

