

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
 Data File : BN035688.D  
 Acq On : 19 Dec 2024 02:30  
 Operator : RC/JU  
 Sample : P5258-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 E28W8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
 Supervised By :mohammad ahmed 12/24/2024

Quant Time: Dec 19 03:34:18 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN121624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 16 16:26:08 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.276  | 152  | 2807     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.020 | 136  | 7662     | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 13.940 | 164  | 5410     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.709 | 188  | 11330    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 20.955 | 240  | 9924     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.039 | 264  | 12439    | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 2.951  | 96   | 9142     | 3.673 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.626 | 152  | 2494     | 0.229 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 18.763 | 212  | 5730     | 0.198 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.069 | 128  | 1384m    | 0.074 | ng/ul  |          |
| 7) 2-Methylnaphthalene      | 11.703 | 142  | 1556     | 0.123 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 11.928 | 142  | 570      | 0.043 | ng/ul  | 94       |
| 10) Acenaphthylene          | 13.653 | 152  | 1227     | 0.059 | ng/ul# | 86       |
| 15) Phenanthrene            | 16.751 | 178  | 4055     | 0.143 | ng/ul  | 97       |
| 16) Anthracene              | 16.840 | 178  | 1153     | 0.043 | ng/ul# | 81       |
| 19) Fluoranthene            | 18.791 | 202  | 10192    | 0.287 | ng/ul  | 98       |
| 20) Pyrene                  | 19.158 | 202  | 9832m    | 0.251 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 20.941 | 228  | 6547     | 0.199 | ng/ul# | 90       |
| 22) Chrysene                | 20.991 | 228  | 7724     | 0.226 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 22.431 | 252  | 11931m   | 0.325 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 22.469 | 252  | 4117m    | 0.102 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 22.948 | 252  | 7737     | 0.218 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.064 | 276  | 5661m    | 0.131 | ng/ul  |          |
| 28) Dibenzo(a,h)anthracene  | 25.071 | 278  | 1436m    | 0.044 | ng/ul  |          |
| 29) Benzo(g,h,i)perylene    | 25.678 | 276  | 6182     | 0.178 | ng/ul  | 91       |
| -----                       |        |      |          |       |        |          |

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

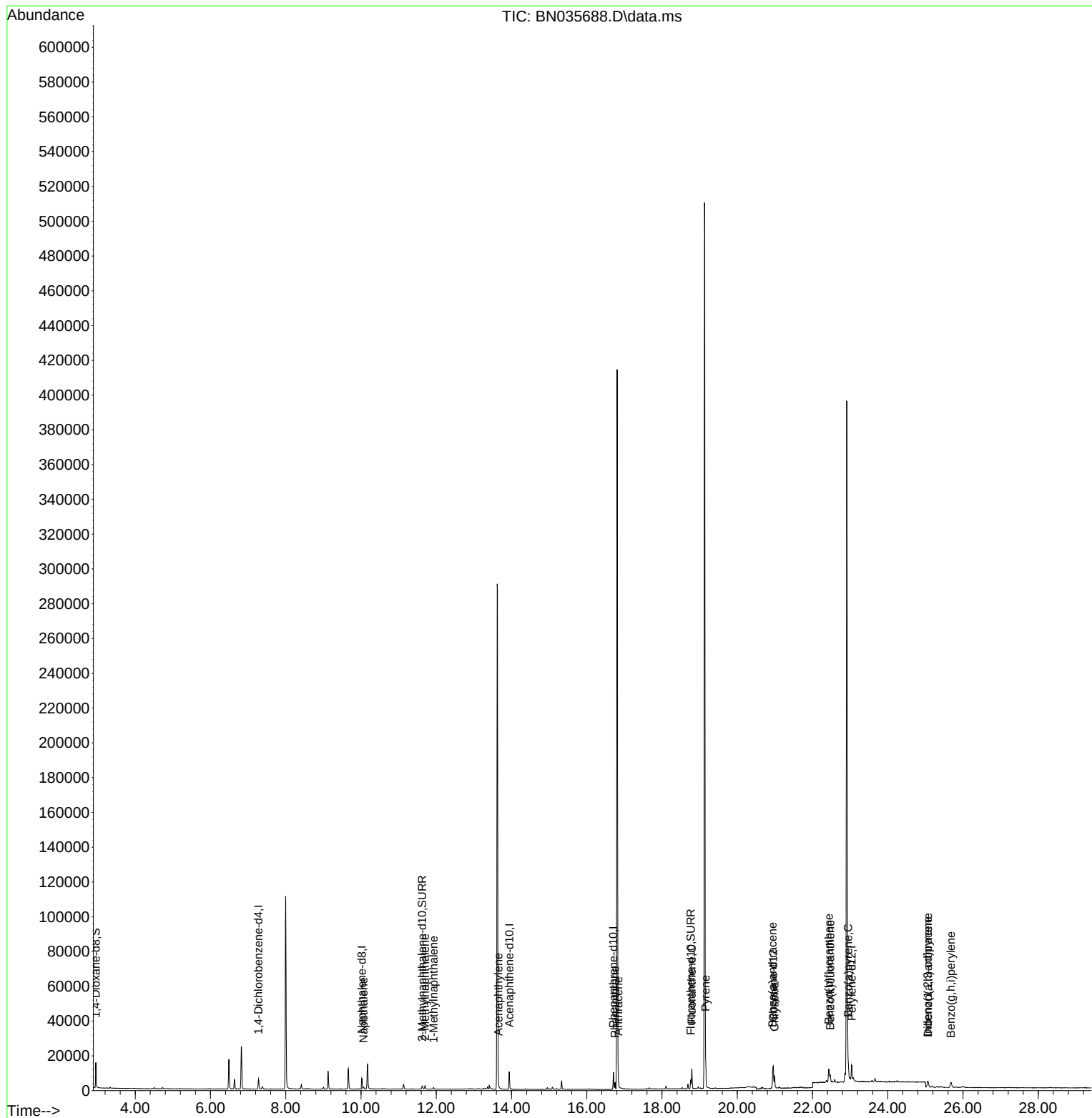
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121824\  
Data File : BN035688.D  
Acq On : 19 Dec 2024 02:30  
Operator : RC/JU  
Sample : P5258-02  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

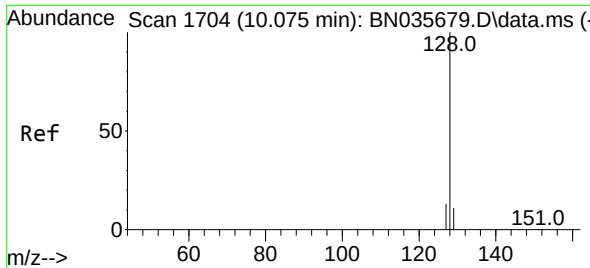
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8

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APPROVED

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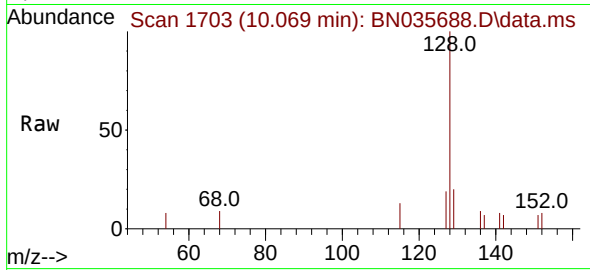
Quant Time: Dec 19 03:34:18 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN121624.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 16 16:26:08 2024  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.074 ng/ul m  
RT: 10.069 min Scan# 1703  
Delta R.T. -0.011 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

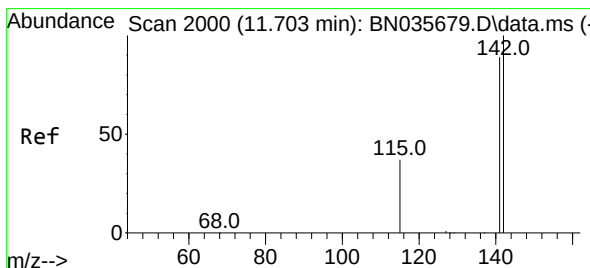
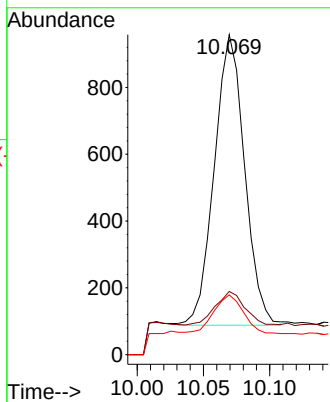
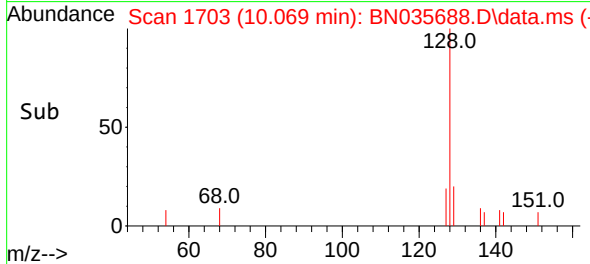
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



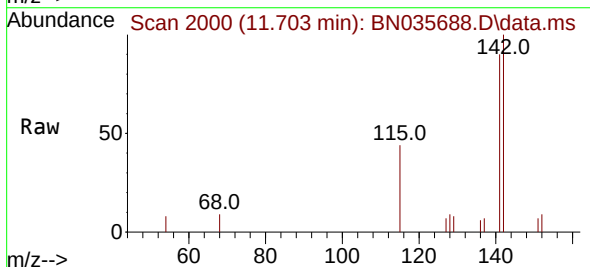
Tgt Ion:128 Resp: 1384  
Ion Ratio Lower Upper  
128 100  
129 19.7 10.8 16.2  
127 18.7 12.0 18.0

Manual Integrations  
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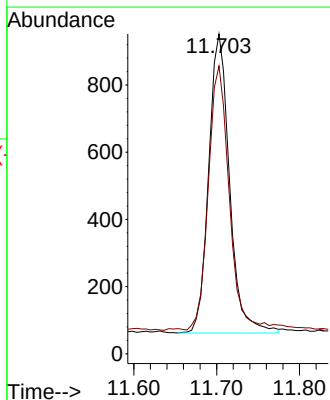
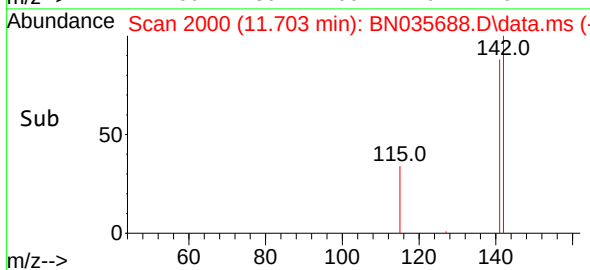
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024

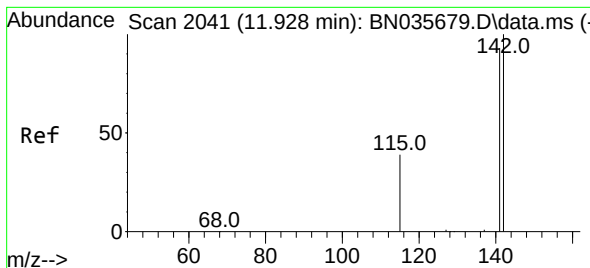


#7  
2-Methylnaphthalene  
Concen: 0.123 ng/ul  
RT: 11.703 min Scan# 2000  
Delta R.T. -0.011 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30



Tgt Ion:142 Resp: 1556  
Ion Ratio Lower Upper  
142 100  
141 88.8 72.8 109.2





#8

1-Methylnaphthalene

Concen: 0.043 ng/ul

RT: 11.928 min Scan# 2041

Delta R.T. -0.011 min

Lab File: BN035688.D

Acq: 19 Dec 2024 02:30

Instrument :

BNA\_N

ClientSampleId :

E28W8

Tgt Ion:142 Resp: 570

Ion Ratio Lower Upper

142 100

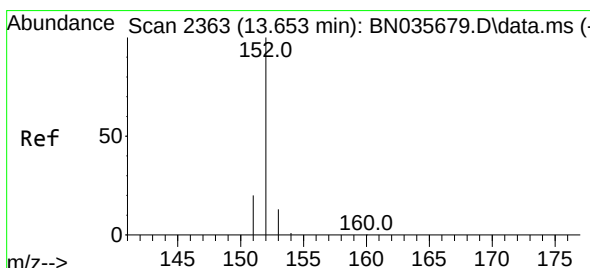
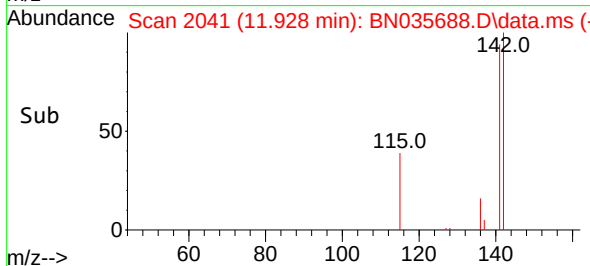
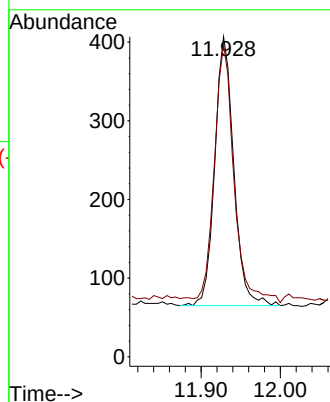
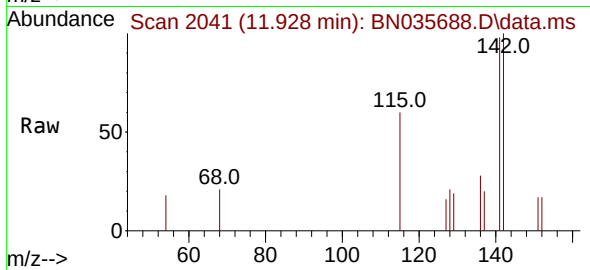
141 99.1 74.7 112.1

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#10

Acenaphthylene

Concen: 0.059 ng/ul

RT: 13.653 min Scan# 2363

Delta R.T. -0.009 min

Lab File: BN035688.D

Acq: 19 Dec 2024 02:30

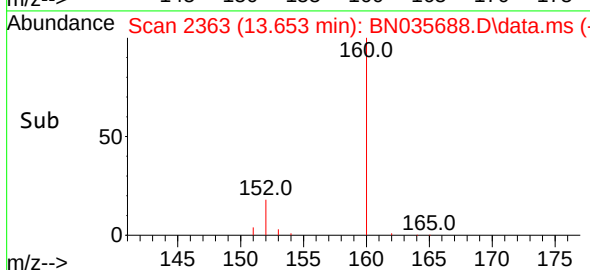
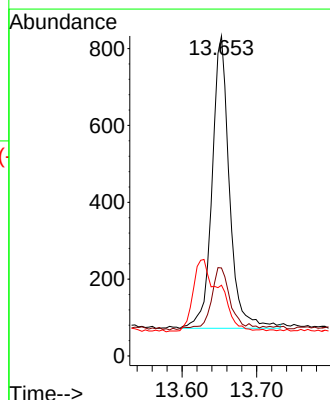
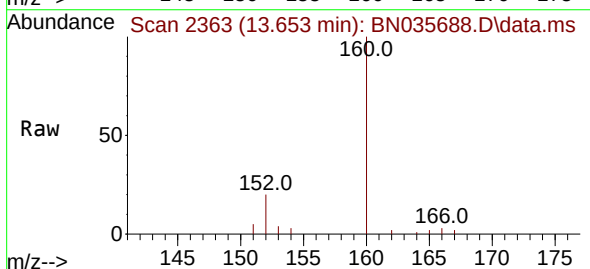
Tgt Ion:152 Resp: 1227

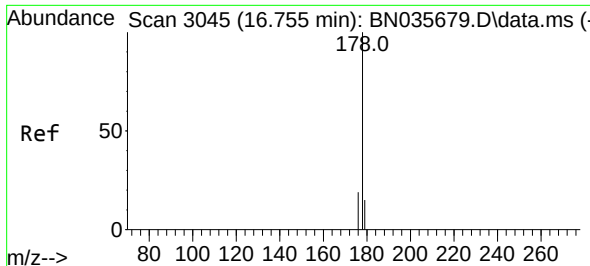
Ion Ratio Lower Upper

152 100

151 27.5 17.6 26.4#

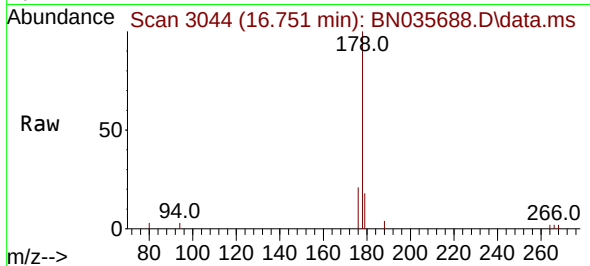
153 22.1 11.4 17.2#





#15  
Phenanthrene  
Concen: 0.143 ng/ul  
RT: 16.751 min Scan# 3044  
Delta R.T. -0.008 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

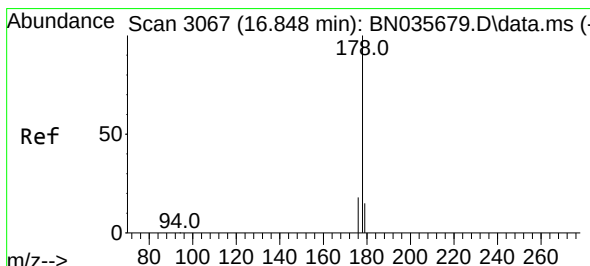
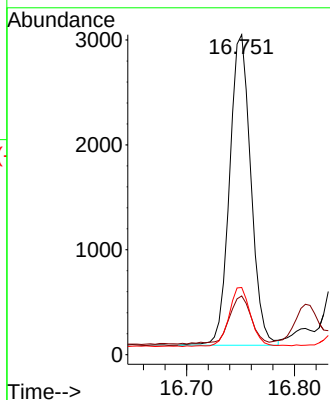
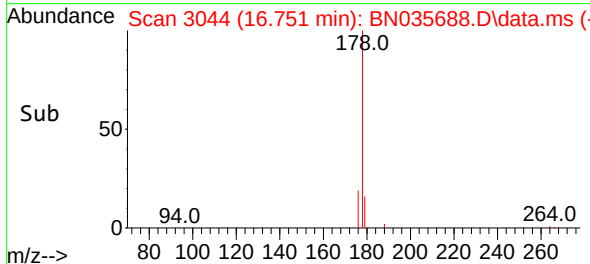
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



Tgt Ion:178 Resp: 405  
Ion Ratio Lower Upper  
178 100  
179 18.3 13.3 19.9  
176 21.0 15.8 23.8

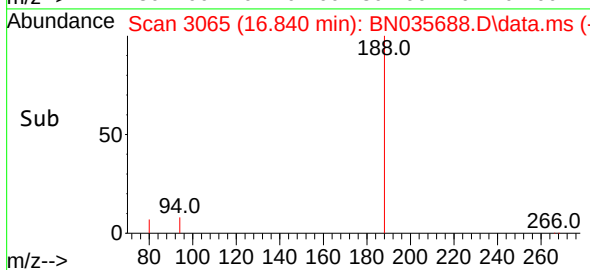
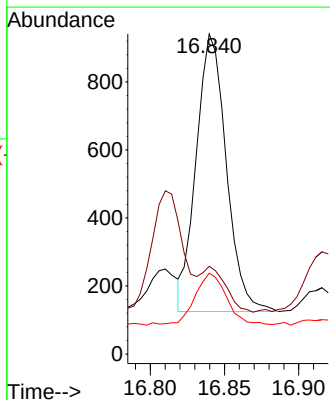
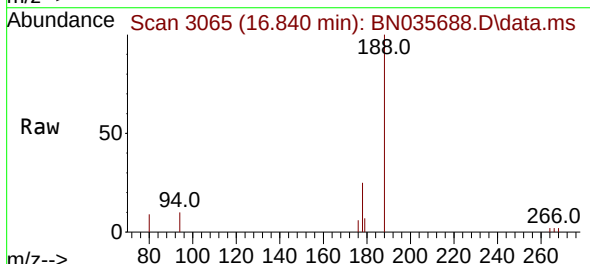
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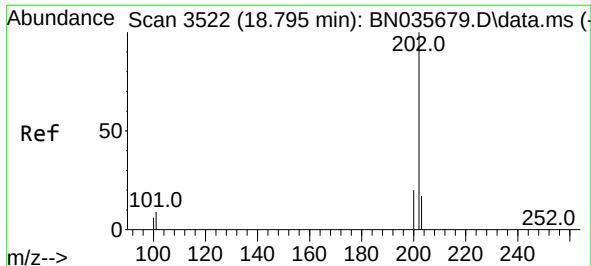
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#16  
Anthracene  
Concen: 0.043 ng/ul  
RT: 16.840 min Scan# 3065  
Delta R.T. -0.008 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

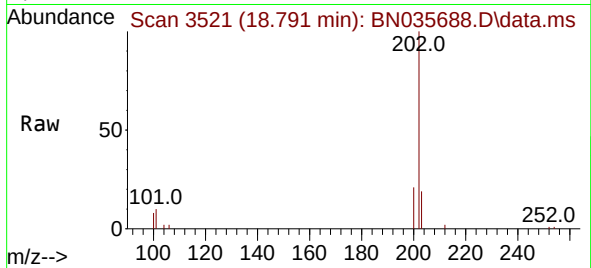
Tgt Ion:178 Resp: 1153  
Ion Ratio Lower Upper  
178 100  
179 27.4 13.4 20.0#  
176 25.3 15.4 23.0#





#19  
Fluoranthene  
Concen: 0.287 ng/ul  
RT: 18.791 min Scan# 3522  
Delta R.T. -0.009 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

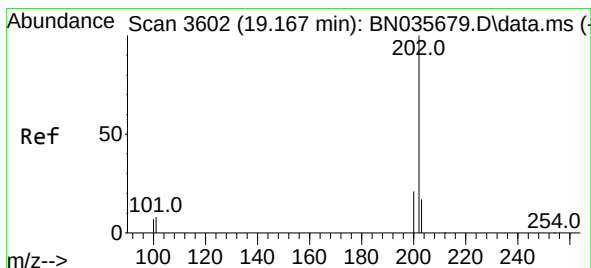
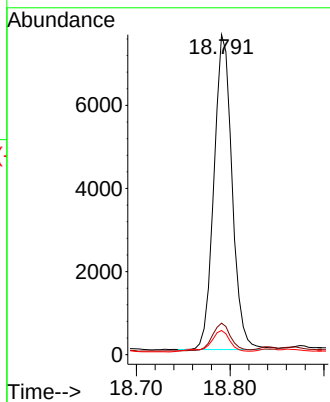
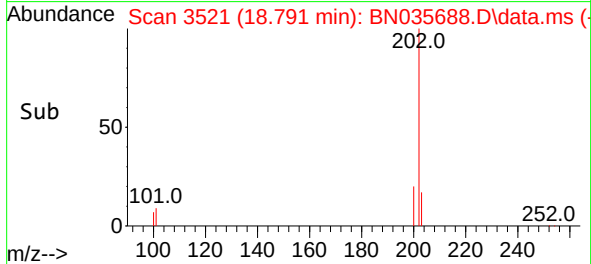
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



Tgt Ion:202 Resp: 10192  
Ion Ratio Lower Upper  
202 100  
101 9.9 7.3 10.9  
100 7.5 5.4 8.0

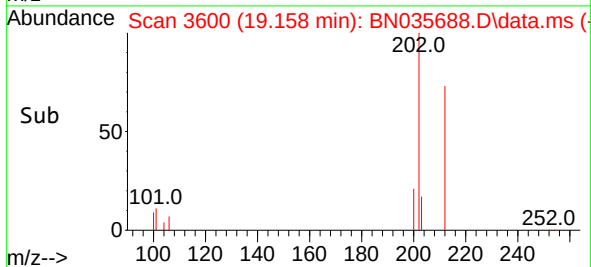
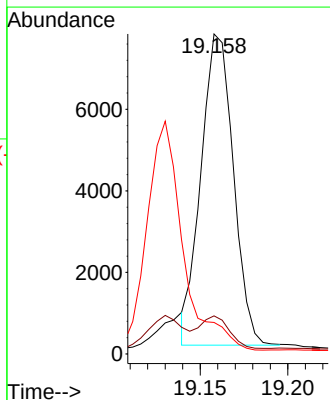
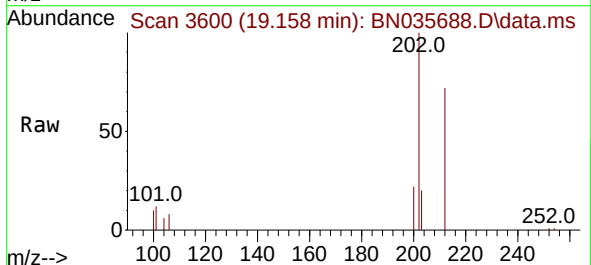
Manual Integrations  
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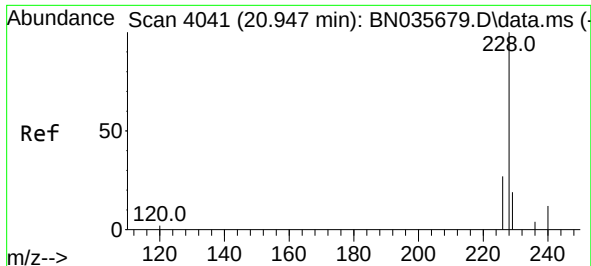
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#20  
Pyrene  
Concen: 0.251 ng/ul m  
RT: 19.158 min Scan# 3600  
Delta R.T. -0.009 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

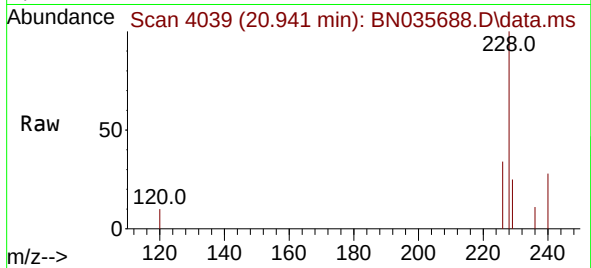
Tgt Ion:202 Resp: 9832  
Ion Ratio Lower Upper  
202 100  
101 11.9 8.5 12.7  
100 9.9 6.5 9.7#





#21  
Benzo(a)anthracene  
Concen: 0.199 ng/ul  
RT: 20.941 min Scan# 4041  
Delta R.T. -0.009 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

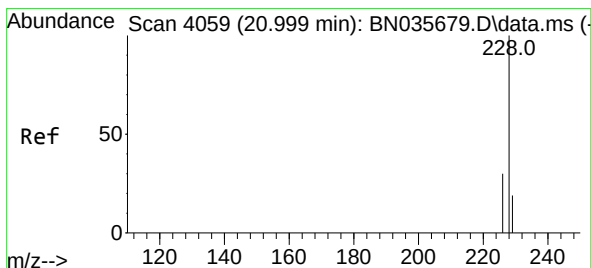
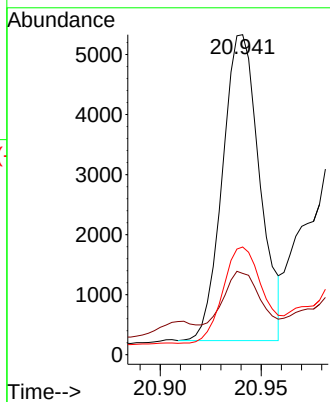
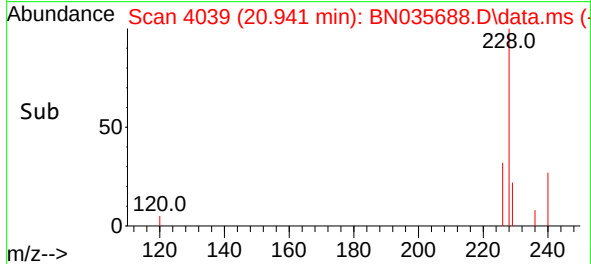
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



Tgt Ion:228 Resp: 6547  
Ion Ratio Lower Upper  
228 100  
229 25.4 16.6 25.0  
226 33.6 22.5 33.7

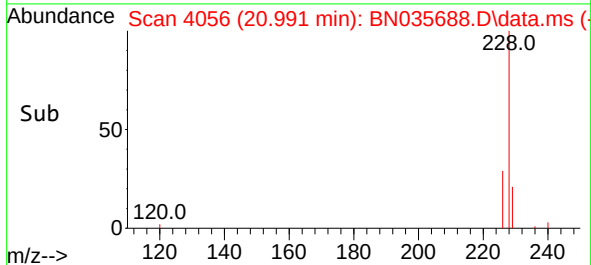
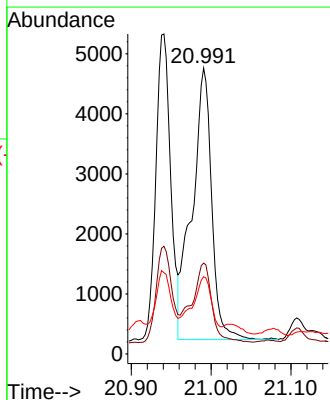
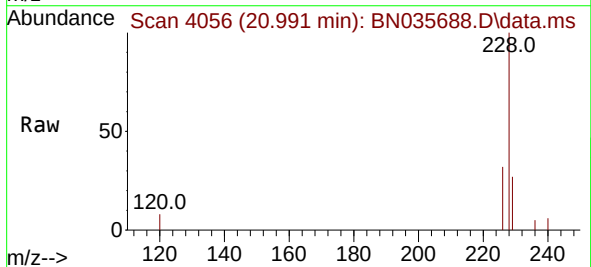
Manual Integrations  
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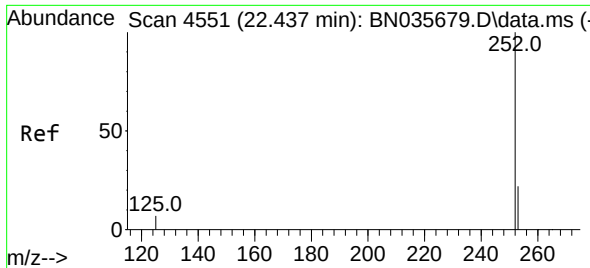
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#22  
Chrysene  
Concen: 0.226 ng/ul  
RT: 20.991 min Scan# 4056  
Delta R.T. -0.009 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

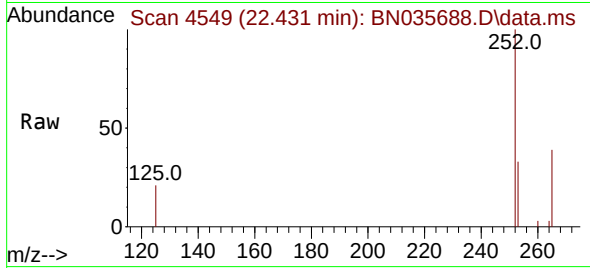
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Ion Ratio Lower Upper  
228 100  
226 31.8 25.1 37.7  
229 27.0 16.6 24.8





#24  
Benzo(b)fluoranthene  
Concen: 0.325 ng/ul m  
RT: 22.431 min Scan# 4549  
Delta R.T. -0.012 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

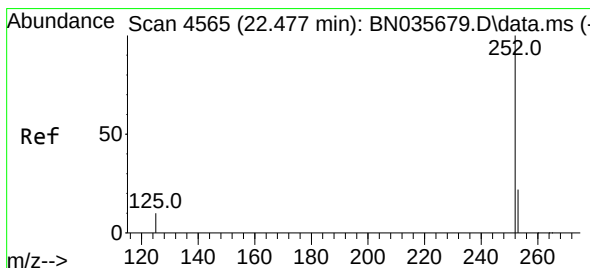
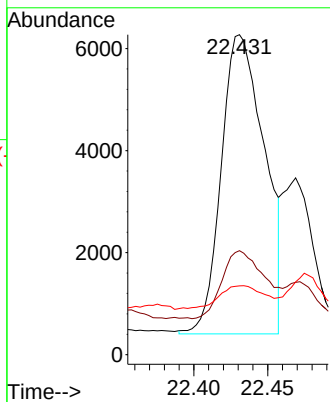
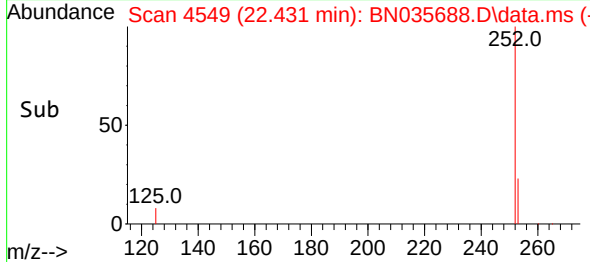
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



Tgt Ion:252 Resp: 1193  
Ion Ratio Lower Upper  
252 100  
253 32.5 0.0 56.4  
125 21.5 0.0 37.6

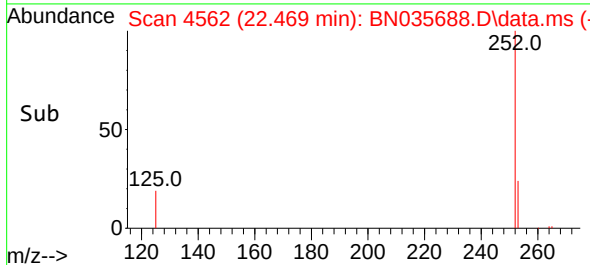
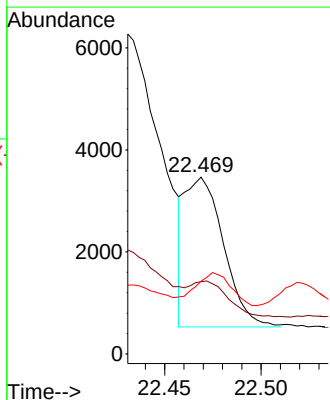
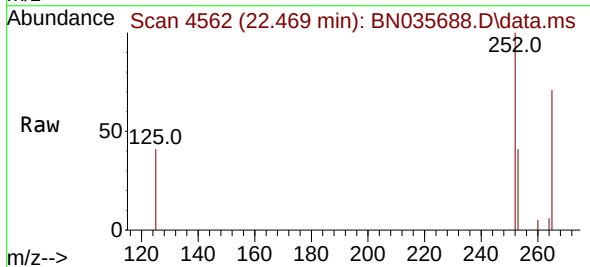
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024

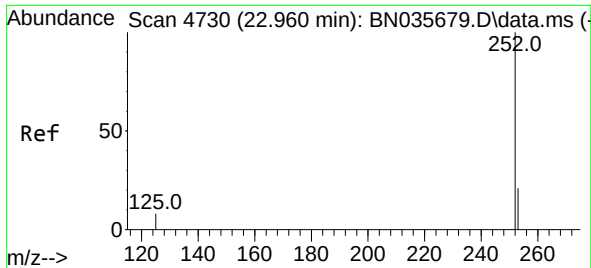


#25  
Benzo(k)fluoranthene  
Concen: 0.102 ng/ul m  
RT: 22.469 min Scan# 4562  
Delta R.T. -0.012 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

Tgt Ion:252 Resp: 4117  
Ion Ratio Lower Upper  
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253 41.0 22.1 33.1#  
125 41.2 15.3 22.9#

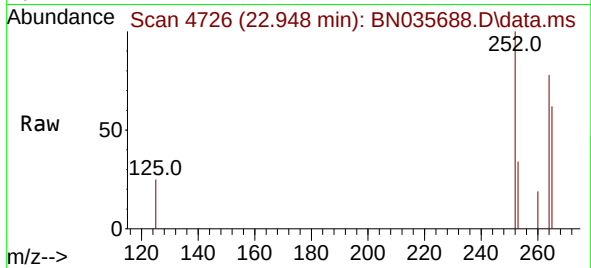






#26  
Benzo(a)pyrene  
Concen: 0.218 ng/ul  
RT: 22.948 min Scan# 41  
Delta R.T. -0.015 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

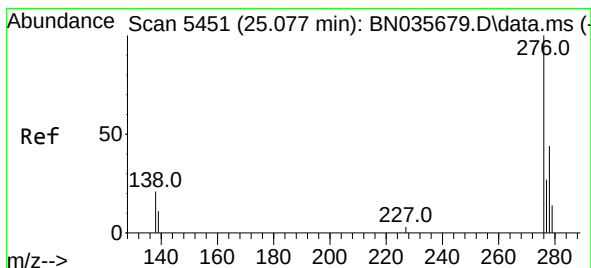
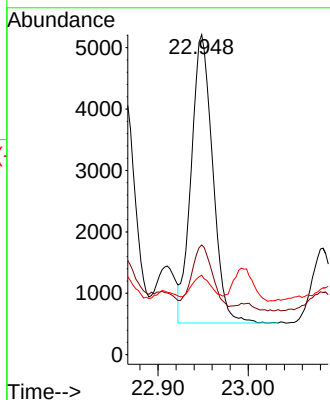
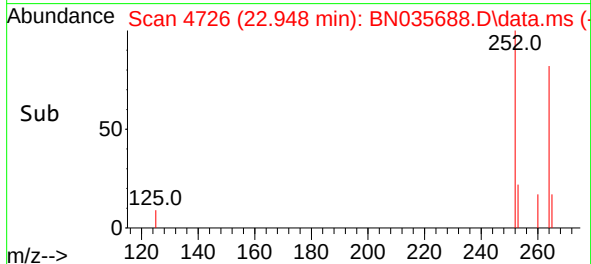
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



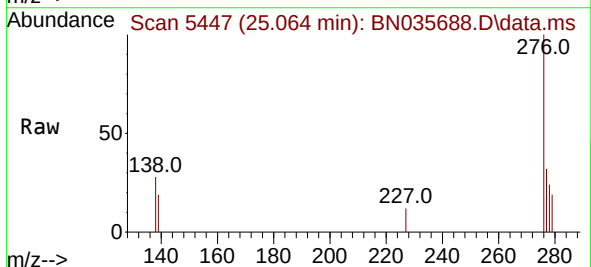
Tgt Ion:252 Resp: 773  
Ion Ratio Lower Upper  
252 100  
253 34.3 24.1 36.1  
125 24.8 19.1 28.7

Manual Integrations  
APPROVED

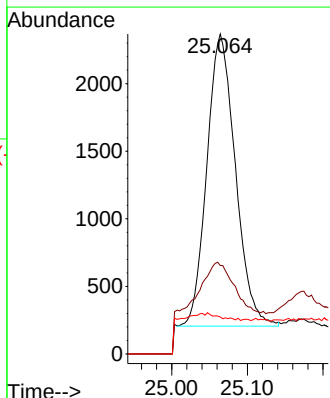
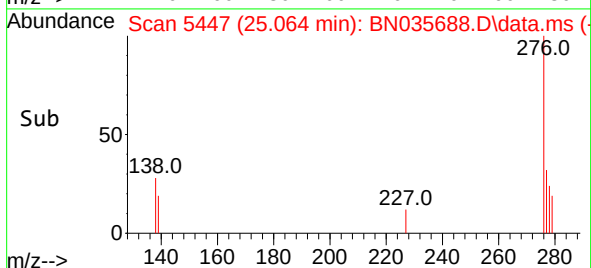
Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024

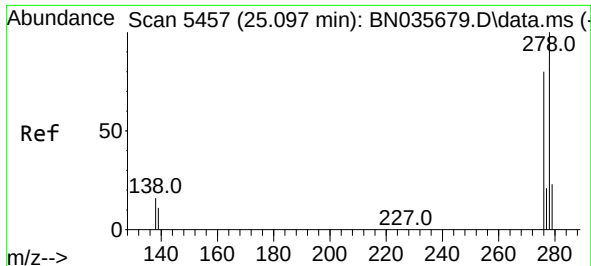


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.131 ng/ul m  
RT: 25.064 min Scan# 5447  
Delta R.T. -0.017 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30



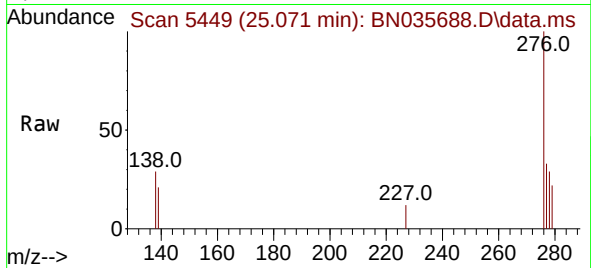
Tgt Ion:276 Resp: 5661  
Ion Ratio Lower Upper  
276 100  
138 106.1 14.7 22.1#  
227 69.0 21.6 32.4#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.044 ng/ul m  
RT: 25.071 min Scan# 5457  
Delta R.T. -0.030 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30

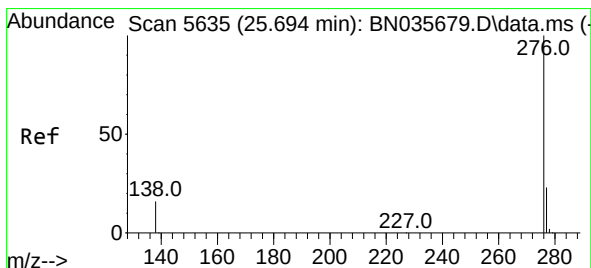
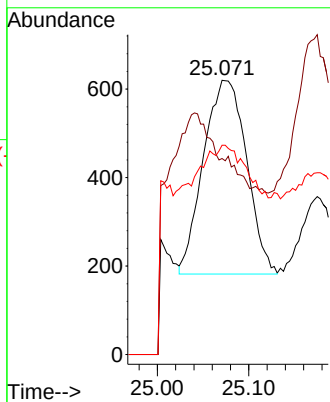
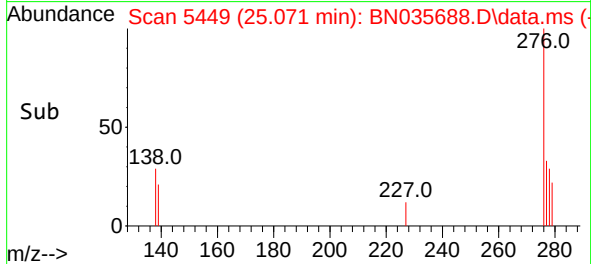
Instrument :  
BNA\_N  
ClientSampleId :  
E28W8



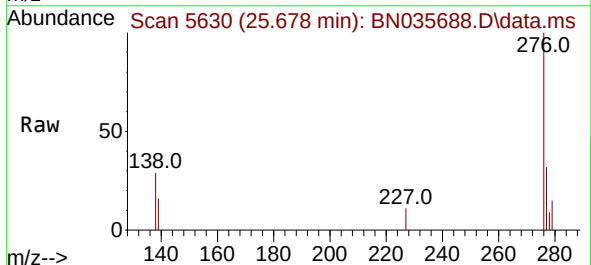
Tgt Ion:278 Resp: 1430  
Ion Ratio Lower Upper  
278 100  
139 71.5 19.8 29.8  
279 76.3 24.0 36.0

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/21/2024  
Supervised By :mohammad ahmed 12/24/2024



#29  
Benzo(g,h,i)perylene  
Concen: 0.178 ng/ul  
RT: 25.678 min Scan# 5630  
Delta R.T. -0.020 min  
Lab File: BN035688.D  
Acq: 19 Dec 2024 02:30



Tgt Ion:276 Resp: 6182  
Ion Ratio Lower Upper  
276 100  
138 28.8 19.6 29.4  
277 31.7 21.6 32.4

