

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
 Data File : BN027062.D  
 Acq On : 23 Aug 2023 13:43  
 Operator : MA/JU  
 Sample : 03968-27  
 Misc :  
 ALS Vial : 83 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A48P4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/24/2023  
 Supervised By :mohammad ahmed 08/24/2023

Quant Time: Aug 24 01:38:26 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 23 02:28:27 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.093  | 152  | 8014     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.916 | 136  | 27436    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.722 | 164  | 15280    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.464 | 188  | 33696    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.636 | 240  | 25460    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.173 | 264  | 22542    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.435  | 96   | 32208    | 3.385 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.495 | 152  | 6749     | 0.167 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.483 | 212  | 16749    | 0.208 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.971 | 128  | 2181     | 0.028 | ng/ul# | 86       |
| 10) Acenaphthylene          | 14.449 | 152  | 6669     | 0.078 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.782 | 153  | 1313     | 0.022 | ng/ul  | 97       |
| 12) Fluorene                | 15.767 | 166  | 1722     | 0.026 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.506 | 178  | 48547    | 0.439 | ng/ul  | 99       |
| 16) Anthracene              | 17.599 | 178  | 10967    | 0.110 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.511 | 202  | 168501   | 1.593 | ng/ul  | 98       |
| 20) Pyrene                  | 19.878 | 202  | 155722m  | 1.380 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.618 | 228  | 70123    | 0.693 | ng/ul  | 99       |
| 22) Chrysene                | 21.677 | 228  | 82668    | 0.827 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.387 | 252  | 106832m  | 1.253 | ng/ul  |          |
| 25) Benzo(k)fluoranthene    | 23.433 | 252  | 33754m   | 0.401 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 24.059 | 252  | 63806    | 0.829 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.854 | 276  | 42671    | 0.424 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.874 | 278  | 9278     | 0.116 | ng/ul# | 81       |
| 29) Benzo(g,h,i)perylene    | 27.693 | 276  | 40991    | 0.489 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

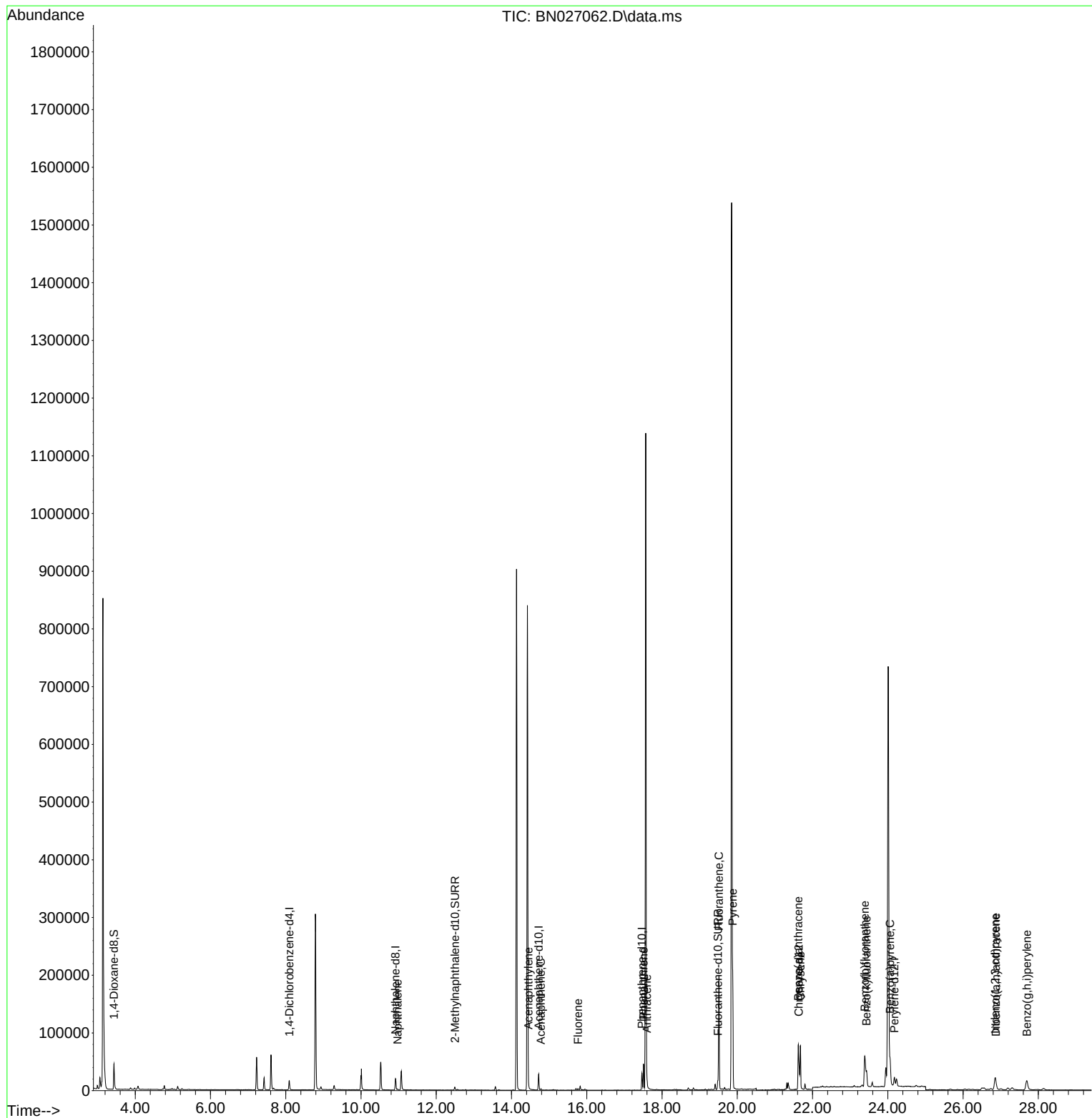
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082123\  
Data File : BN027062.D  
Acq On : 23 Aug 2023 13:43  
Operator : MA/JU  
Sample : 03968-27  
Misc :  
ALS Vial : 83 Sample Multiplier: 1

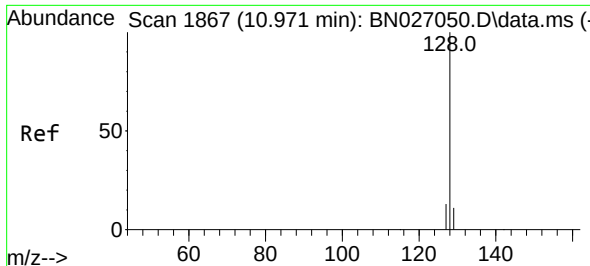
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023

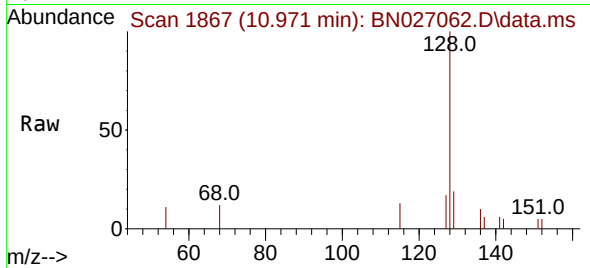
Quant Time: Aug 24 01:38:26 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Aug 23 02:28:27 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.028 ng/ul  
RT: 10.971 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

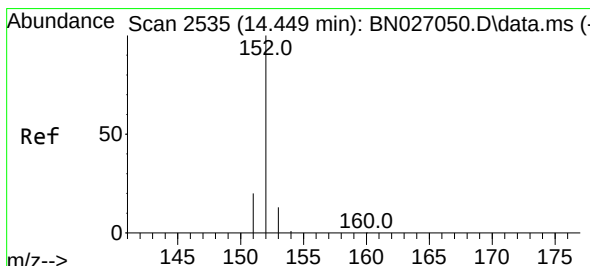
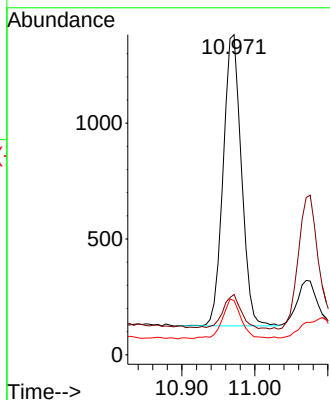
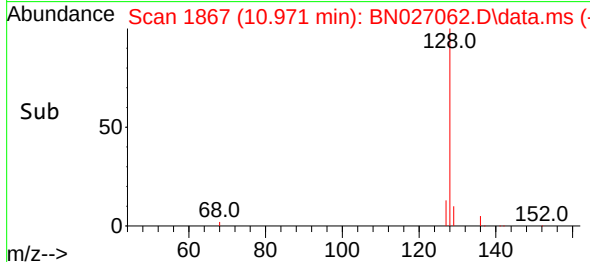
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



Tgt Ion:128 Resp: 218  
Ion Ratio Lower Upper  
128 100  
129 18.8 9.2 13.8  
127 16.9 10.5 15.7

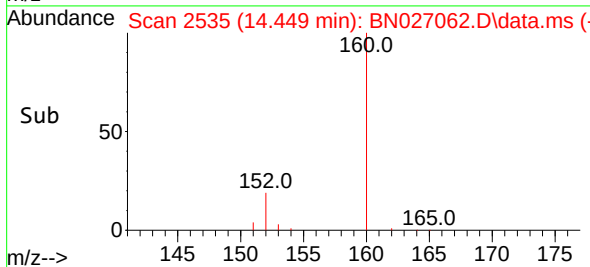
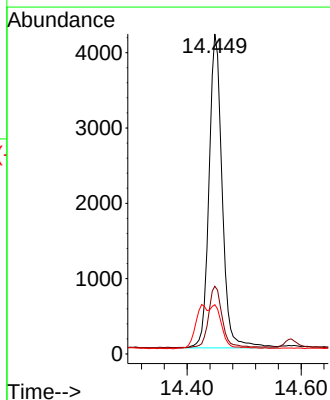
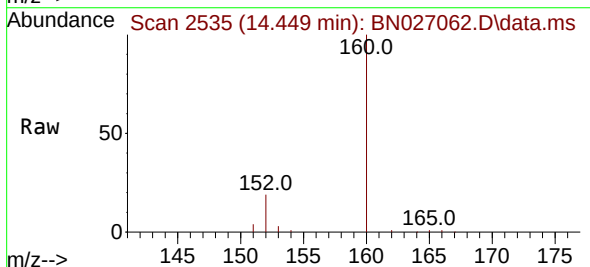
Manual Integrations  
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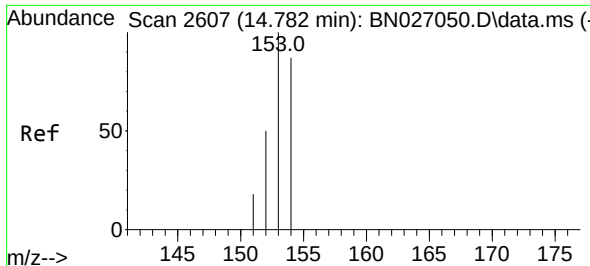
Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023



#10  
Acenaphthylene  
Concen: 0.078 ng/ul  
RT: 14.449 min Scan# 2535  
Delta R.T. -0.005 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

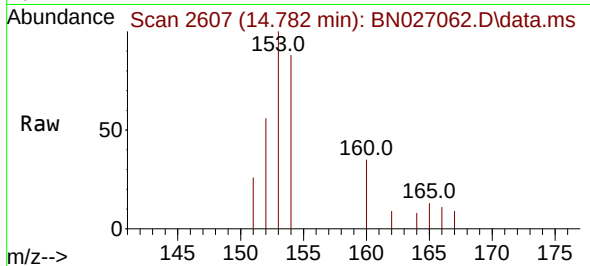
Tgt Ion:152 Resp: 6669  
Ion Ratio Lower Upper  
152 100  
151 21.1 15.9 23.9  
153 15.4 11.0 16.6





#11  
Acenaphthene  
Concen: 0.022 ng/ul  
RT: 14.782 min Scan# 2607  
Delta R.T. -0.005 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

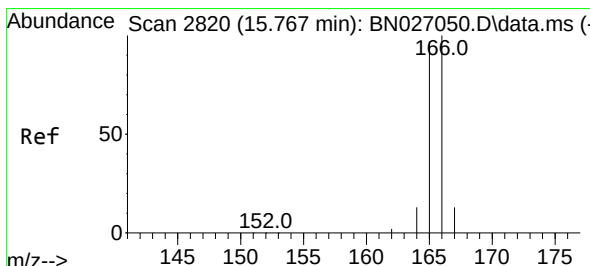
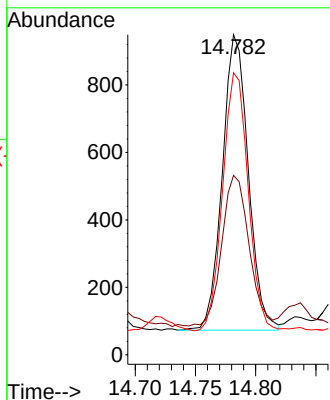
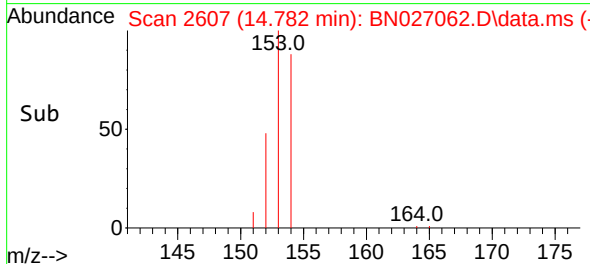
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



Tgt Ion:153 Resp: 1311  
Ion Ratio Lower Upper  
153 100  
152 56.1 41.1 61.7  
154 88.1 71.6 107.4

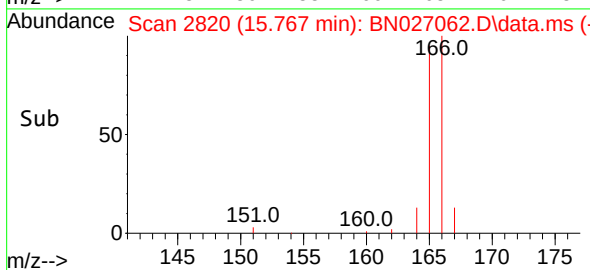
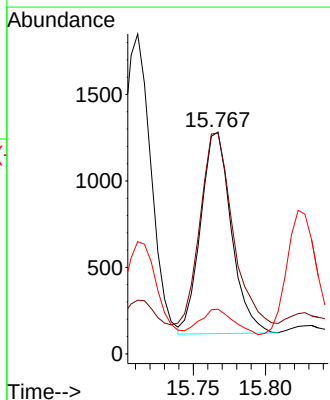
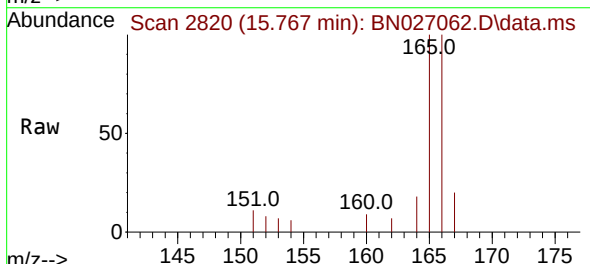
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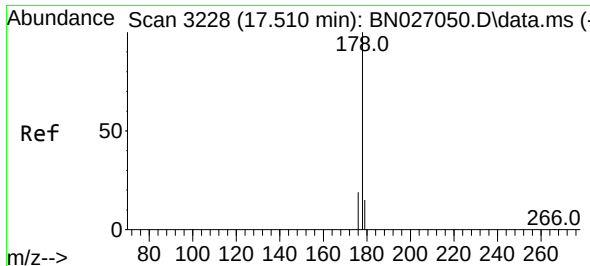
Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023



#12  
Fluorene  
Concen: 0.026 ng/ul  
RT: 15.767 min Scan# 2820  
Delta R.T. 0.000 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

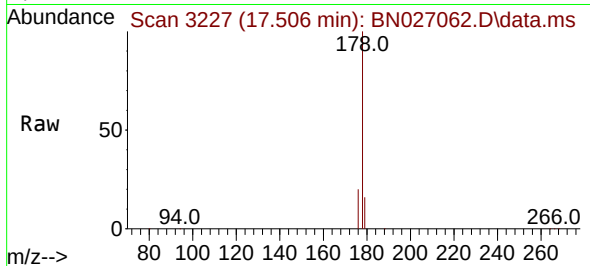
Tgt Ion:166 Resp: 1722  
Ion Ratio Lower Upper  
166 100  
165 99.6 79.1 118.7  
167 20.2 11.4 17.0#





#15  
Phenanthrene  
Concen: 0.439 ng/ul  
RT: 17.506 min Scan# 31  
Delta R.T. -0.004 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

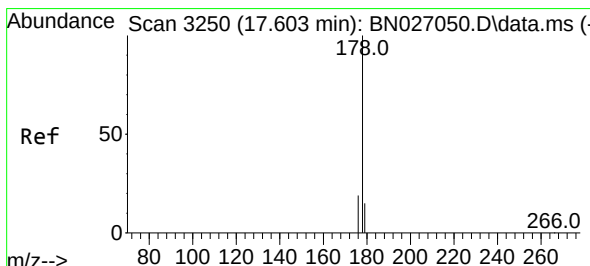
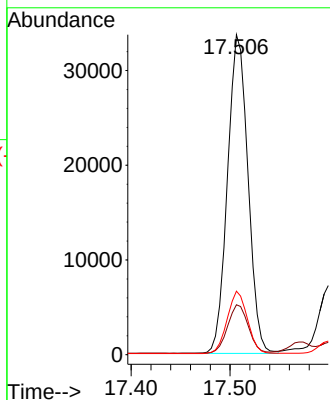
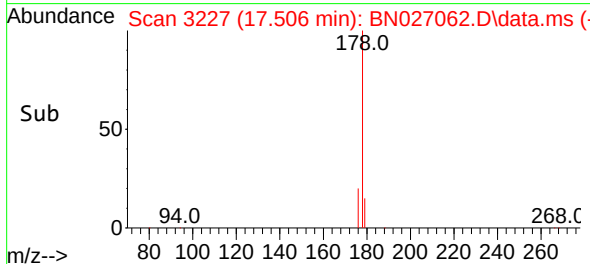
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



Tgt Ion:178 Resp: 4854  
Ion Ratio Lower Upper  
178 100  
179 15.6 12.6 18.8  
176 19.8 15.4 23.2

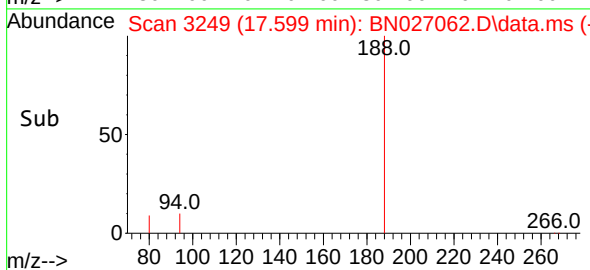
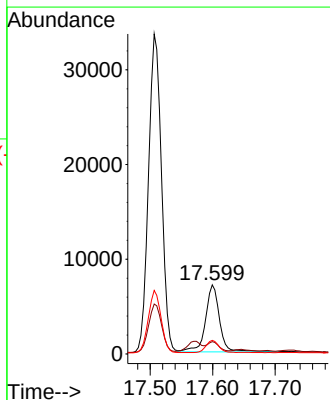
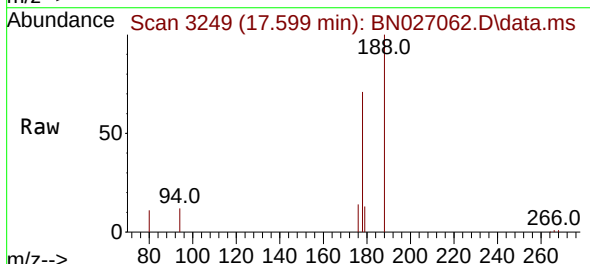
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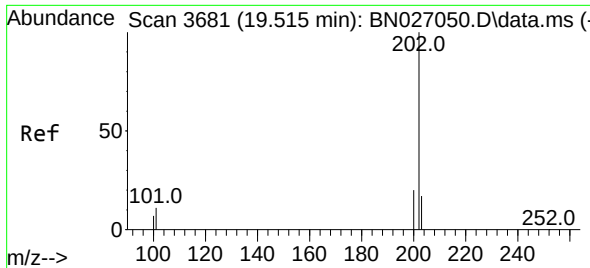
Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023



#16  
Anthracene  
Concen: 0.110 ng/ul  
RT: 17.599 min Scan# 3249  
Delta R.T. -0.004 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

Tgt Ion:178 Resp: 10967  
Ion Ratio Lower Upper  
178 100  
179 17.8 12.6 19.0  
176 19.7 15.0 22.6





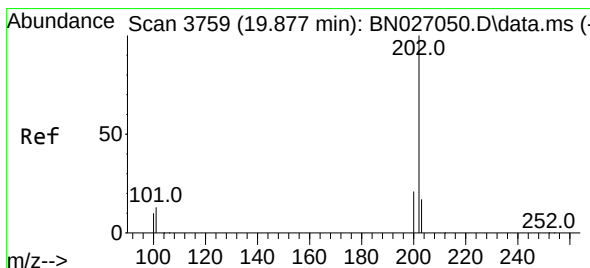
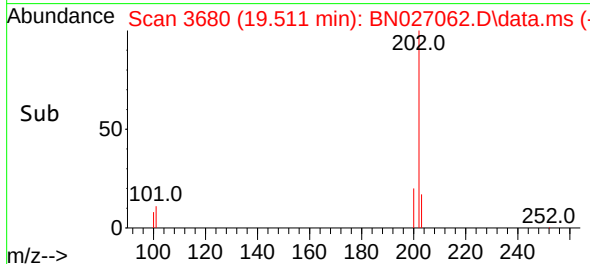
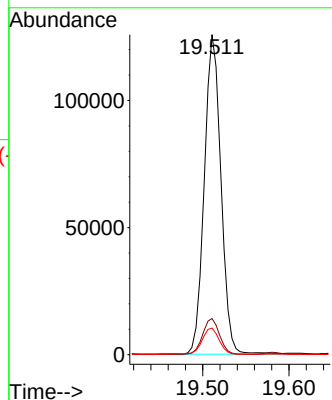
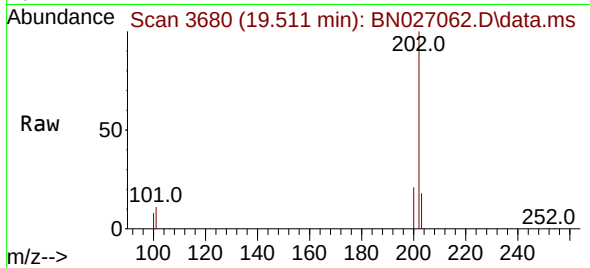
#19  
Fluoranthene  
Concen: 1.593 ng/ul  
RT: 19.511 min Scan# 3681  
Delta R.T. -0.005 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

Instrument :  
BNA\_N  
ClientSampleId :  
A48P4

Tgt Ion:202 Resp: 16850  
Ion Ratio Lower Upper  
202 100  
101 11.3 8.3 12.5  
100 8.3 6.2 9.2

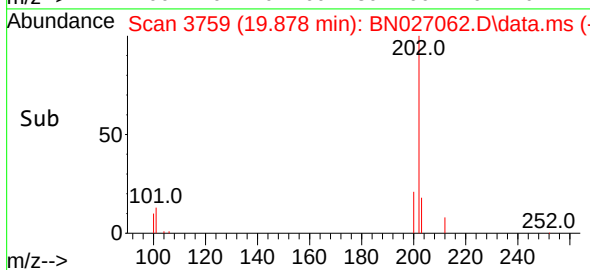
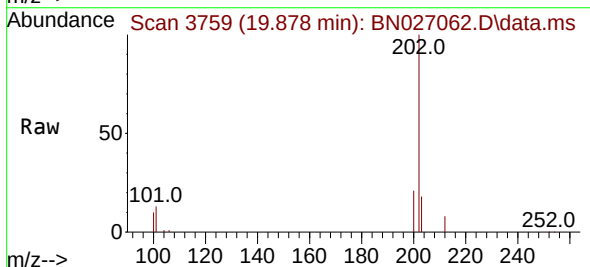
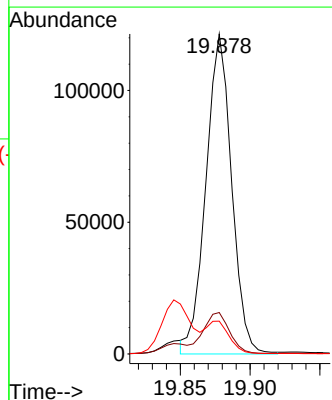
Manual Integrations  
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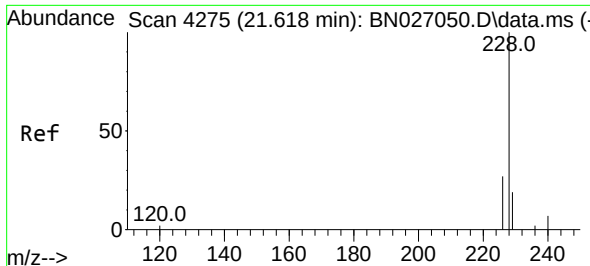
Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023



#20  
Pyrene  
Concen: 1.380 ng/ul m  
RT: 19.878 min Scan# 3759  
Delta R.T. -0.005 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

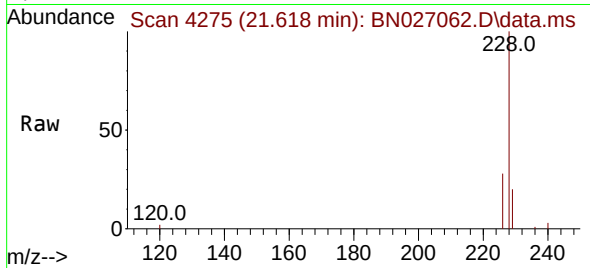
Tgt Ion:202 Resp: 155722  
Ion Ratio Lower Upper  
202 100  
101 13.0 10.7 16.1  
100 10.2 8.5 12.7





#21  
Benzo(a)anthracene  
Concen: 0.693 ng/u1  
RT: 21.618 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

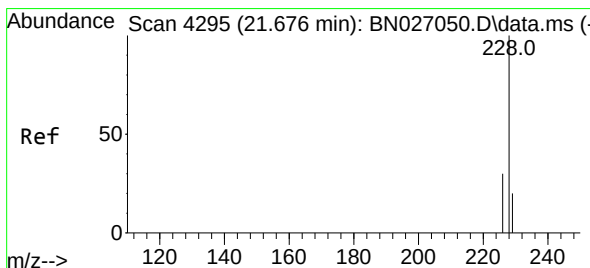
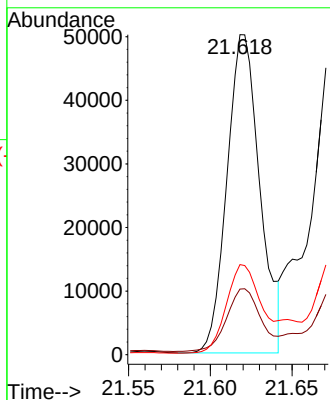
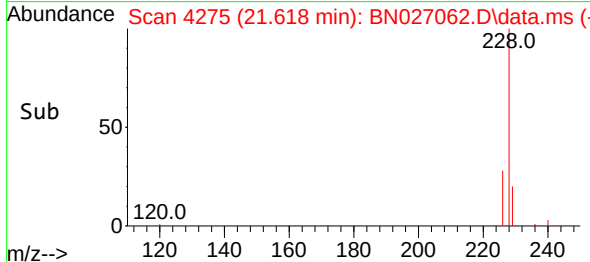
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



Tgt Ion:228 Resp: 7012  
Ion Ratio Lower Upper  
228 100  
229 20.5 16.0 24.0  
226 28.1 22.2 33.2

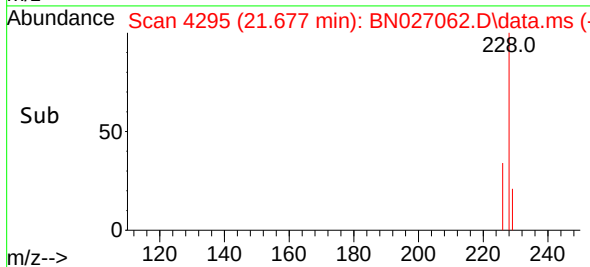
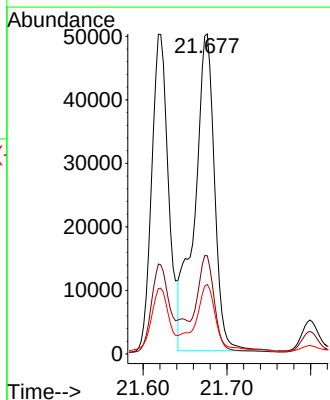
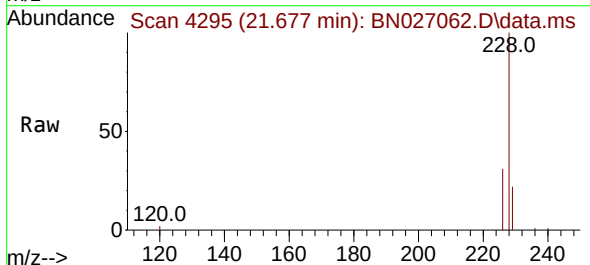
Manual Integrations  
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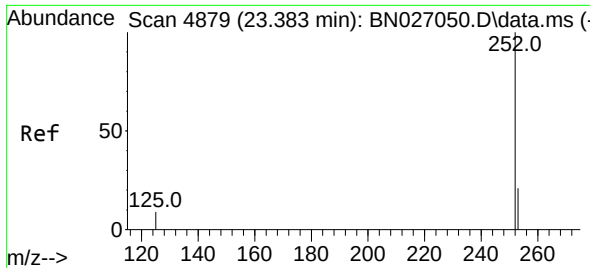
Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023



#22  
Chrysene  
Concen: 0.827 ng/u1  
RT: 21.677 min Scan# 4295  
Delta R.T. 0.000 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

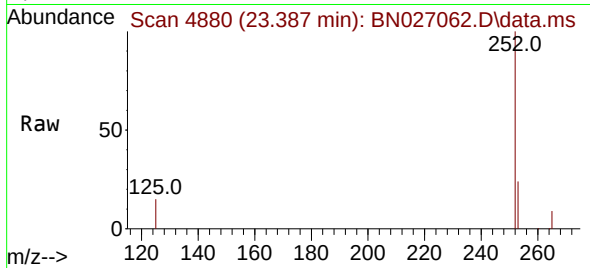
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Ion Ratio Lower Upper  
228 100  
226 30.7 24.6 36.8  
229 21.7 15.8 23.6





#24  
Benzo(b)fluoranthene  
Concen: 1.253 ng/ul m  
RT: 23.387 min Scan# 4879  
Delta R.T. 0.000 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

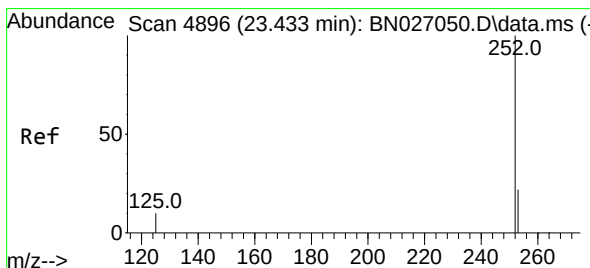
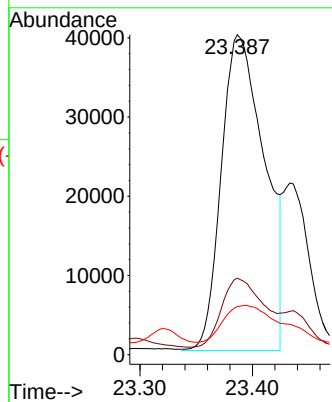
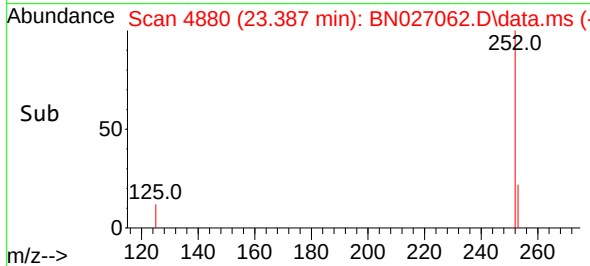
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



Tgt Ion:252 Resp: 106832  
Ion Ratio Lower Upper  
252 100  
253 23.9 0.0 46.8  
125 15.0 0.0 25.2

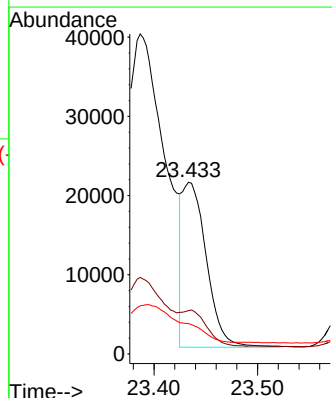
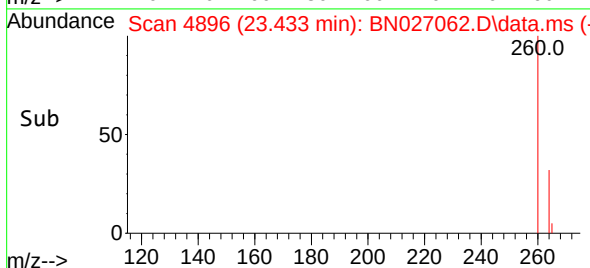
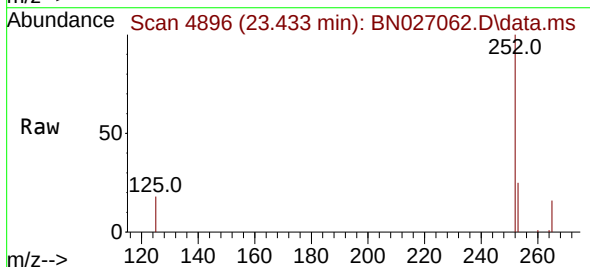
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023

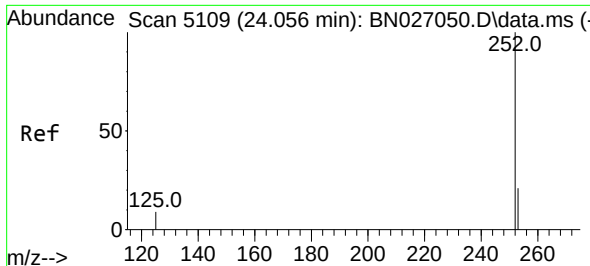


#25  
Benzo(k)fluoranthene  
Concen: 0.401 ng/ul m  
RT: 23.433 min Scan# 4896  
Delta R.T. -0.006 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

Tgt Ion:252 Resp: 33754  
Ion Ratio Lower Upper  
252 100  
253 25.2 18.2 27.4  
125 17.7 9.9 14.9#

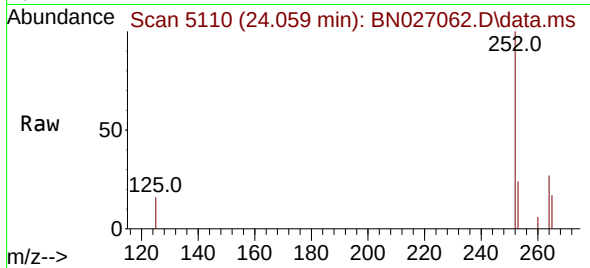






#26  
Benzo(a)pyrene  
Concen: 0.829 ng/ul  
RT: 24.059 min Scan# 5109  
Delta R.T. -0.003 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

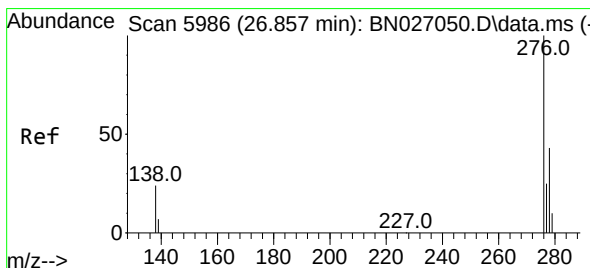
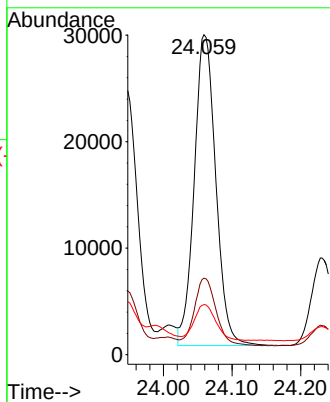
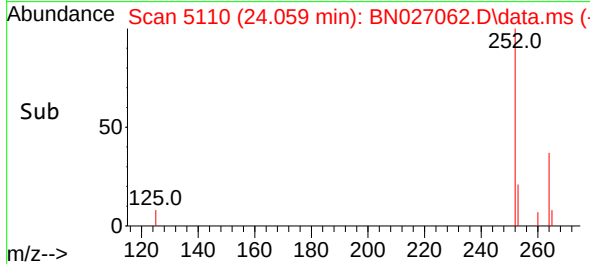
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



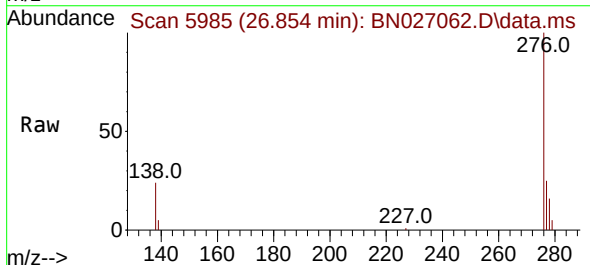
Tgt Ion:252 Resp: 63800  
Ion Ratio Lower Upper  
252 100  
253 23.9 19.0 28.6  
125 15.7 11.4 17.0

Manual Integrations  
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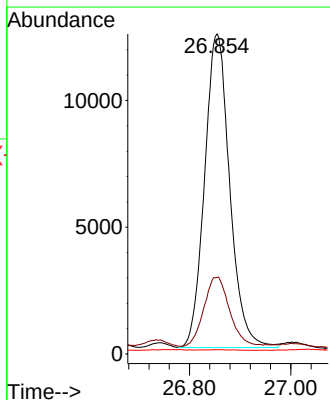
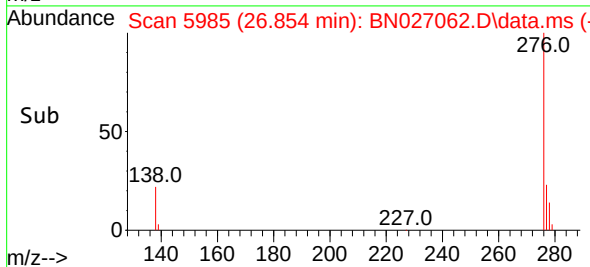
Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023

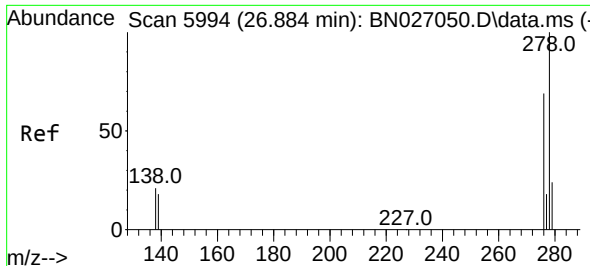


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.424 ng/ul  
RT: 26.854 min Scan# 5985  
Delta R.T. 0.000 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43



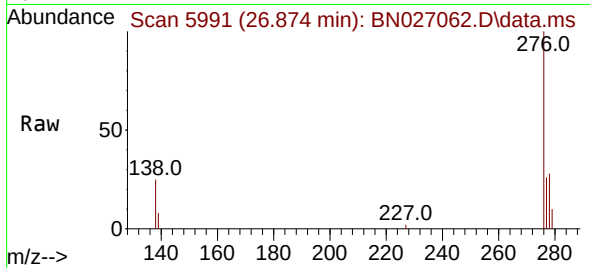
Tgt Ion:276 Resp: 42671  
Ion Ratio Lower Upper  
276 100  
138 22.7 21.6 32.4  
227 0.1 0.0 0.0#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.116 ng/ul  
RT: 26.874 min Scan# 5994  
Delta R.T. -0.010 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43

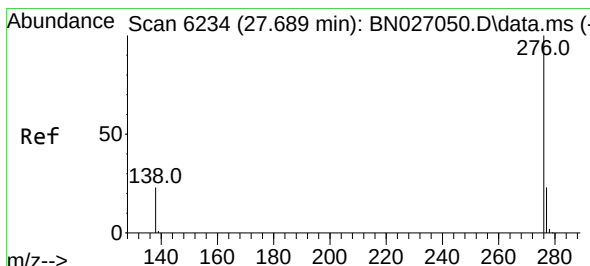
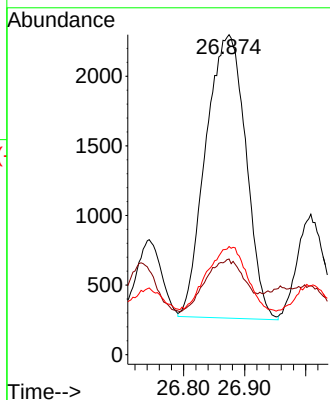
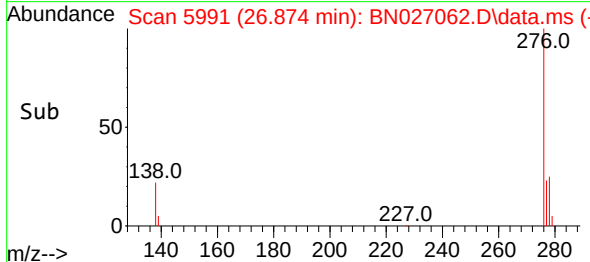
Instrument :  
BNA\_N  
ClientSampleId :  
A48P4



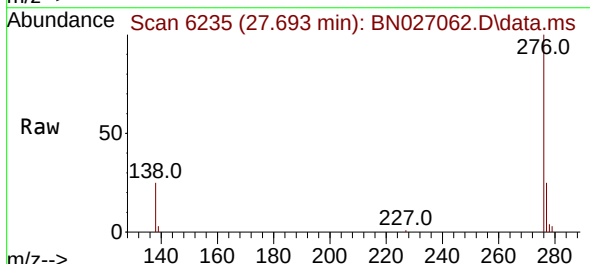
Tgt Ion:278 Resp: 9278  
Ion Ratio Lower Upper  
278 100  
139 29.9 15.7 23.5  
279 33.8 20.2 30.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/24/2023  
Supervised By :mohammad ahmed 08/24/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.489 ng/ul  
RT: 27.693 min Scan# 6235  
Delta R.T. -0.003 min  
Lab File: BN027062.D  
Acq: 23 Aug 2023 13:43



Tgt Ion:276 Resp: 40991  
Ion Ratio Lower Upper  
276 100  
138 25.3 19.3 28.9  
277 24.9 19.8 29.8

