

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121422\  
 Data File : BM038015.D  
 Acq On : 15 Dec 2022 01:55  
 Operator : CG/JU  
 Sample : N5983-14  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 COLE8

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022  
 Supervised By :mohammad ahmed 12/16/2022

Quant Time: Dec 15 02:33:09 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM121322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 14 01:30:33 2022  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.064  | 152  | 5391     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.878 | 136  | 16203    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.684 | 164  | 9199     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.421 | 188  | 19673    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.583 | 240  | 13837    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.041 | 264  | 13435    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.410  | 96   | 24563    | 3.231 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.456 | 152  | 5689     | 0.248 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.436 | 212  | 12829    | 0.272 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 14) Pentachlorophenol       | 17.075 | 266  | 588      | 0.070 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.464 | 178  | 1575     | 0.023 | ng/ul# | 82       |
| 16) Anthracene              | 17.552 | 178  | 3317     | 0.053 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.468 | 202  | 4443     | 0.061 | ng/ul# | 93       |
| 20) Pyrene                  | 19.831 | 202  | 6435     | 0.087 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.565 | 228  | 1721     | 0.027 | ng/ul# | 85       |
| 22) Chrysene                | 21.620 | 228  | 2893m    | 0.044 | ng/ul  |          |
| 24) Benzo(b)fluoranthene    | 23.287 | 252  | 6131     | 0.082 | ng/ul# | 56       |
| 25) Benzo(k)fluoranthene    | 23.327 | 252  | 1435m    | 0.021 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.927 | 252  | 2487     | 0.041 | ng/ul# | 36       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.602 | 276  | 2158     | 0.029 | ng/ul# | 100      |
| 29) Benzo(g,h,i)perylene    | 27.397 | 276  | 1767     | 0.029 | ng/ul# | 73       |
| -----                       |        |      |          |       |        |          |

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

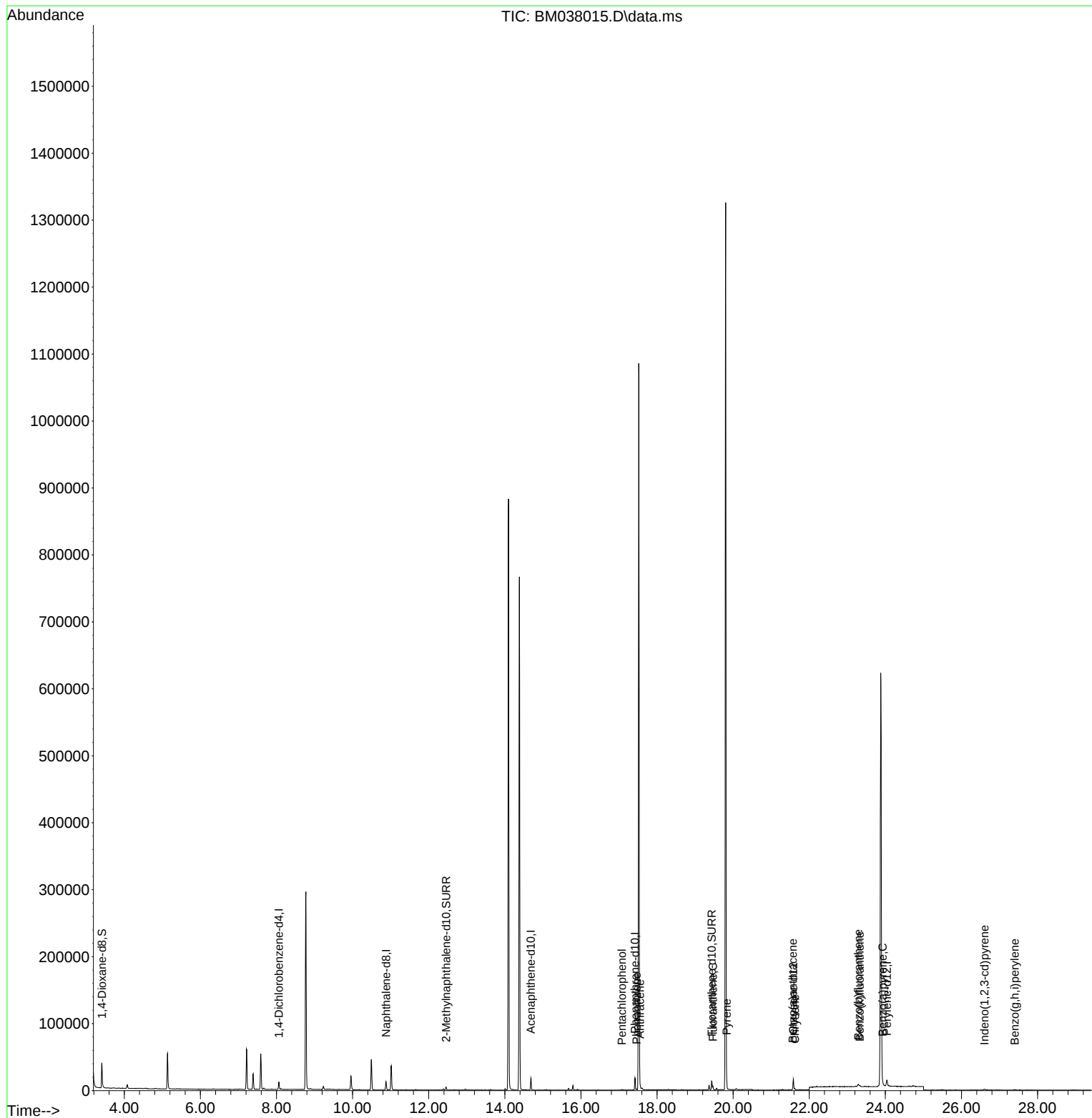
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM121422\  
Data File : BM038015.D  
Acq On : 15 Dec 2022 01:55  
Operator : CG/JU  
Sample : N5983-14  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

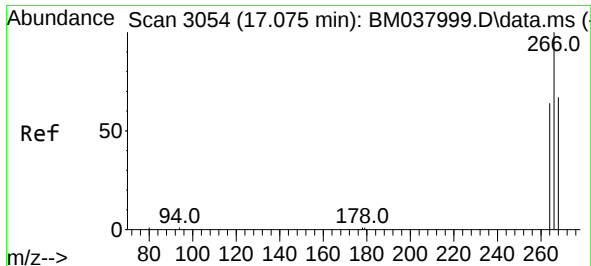
Instrument :  
BNA\_M  
ClientSampleId :  
COLE8

Manual Integrations  
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Supervised By :mohammad ahmed 12/16/2022

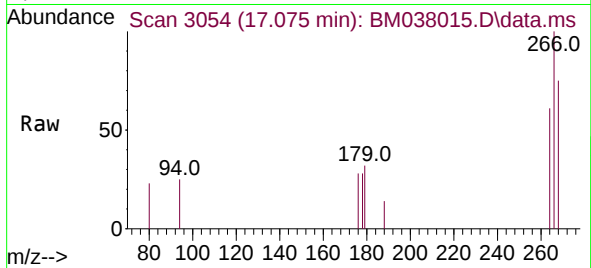
Quant Time: Dec 15 02:33:09 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM121322.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 14 01:30:33 2022  
Response via : Initial Calibration





#14  
Pentachlorophenol  
Concen: 0.070 ng/ul  
RT: 17.075 min Scan# 3054  
Delta R.T. -0.005 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55

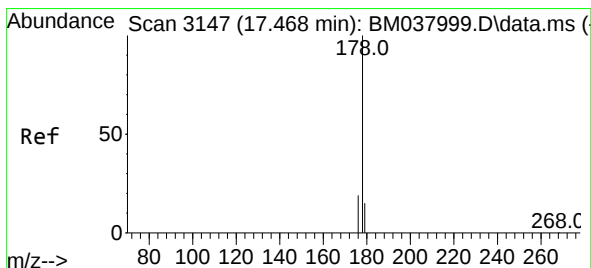
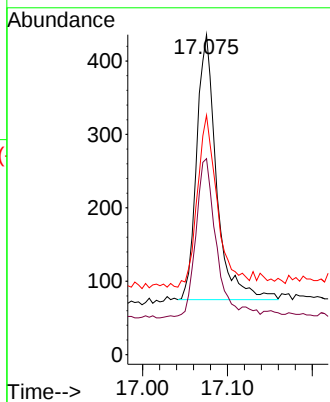
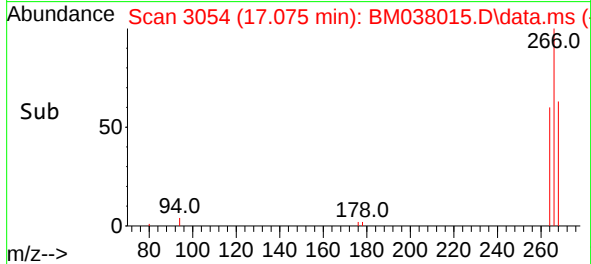
Instrument :  
BNA\_M  
ClientSampleId :  
COLE8



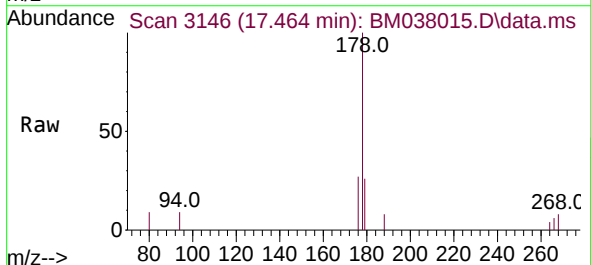
Tgt Ion:266 Resp: 588  
Ion Ratio Lower Upper  
266 100  
264 63.3 50.9 76.3  
268 65.3 50.4 75.6

Manual Integrations  
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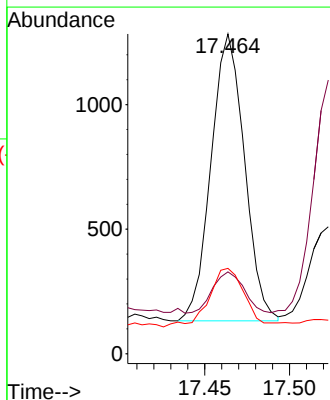
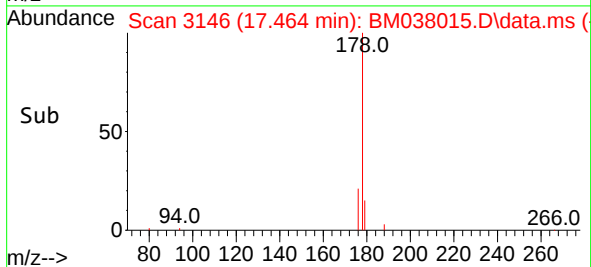
Reviewed By :Jagrut Upadhyay 12/15/2022  
Supervised By :mohammad ahmed 12/16/2022

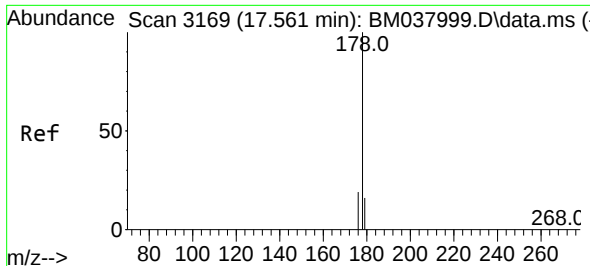


#15  
Phenanthrene  
Concen: 0.023 ng/ul  
RT: 17.464 min Scan# 3146  
Delta R.T. -0.005 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55



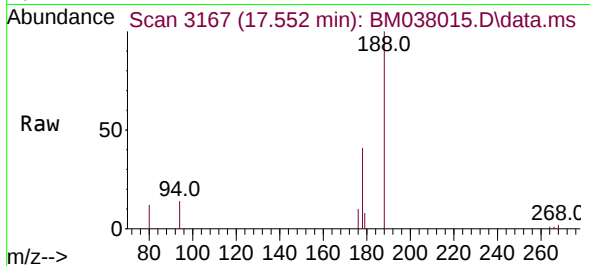
Tgt Ion:178 Resp: 1575  
Ion Ratio Lower Upper  
178 100  
179 25.6 12.7 19.1#  
176 26.7 16.2 24.2#





#16  
 Anthracene  
 Concen: 0.053 ng/ul  
 RT: 17.552 min Scan# 3167  
 Delta R.T. -0.009 min  
 Lab File: BM038015.D  
 Acq: 15 Dec 2022 01:55

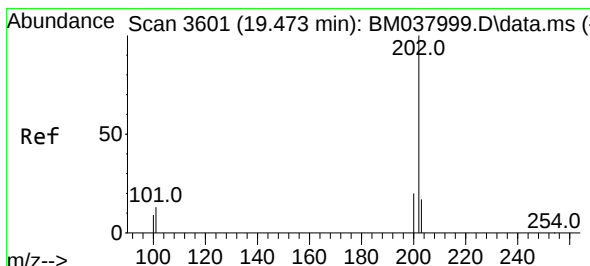
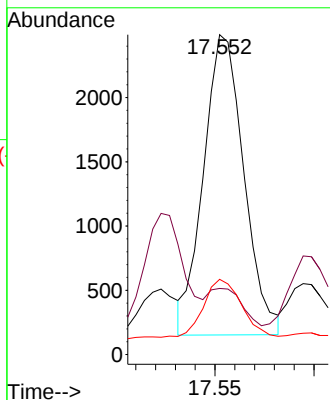
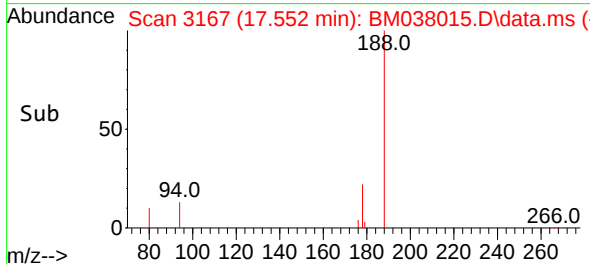
Instrument :  
 BNA\_M  
 ClientSampleId :  
 COLE8



Tgt Ion:178 Resp: 3317  
 Ion Ratio Lower Upper  
 178 100  
 179 20.6 13.4 20.0#  
 176 23.5 15.8 23.6#

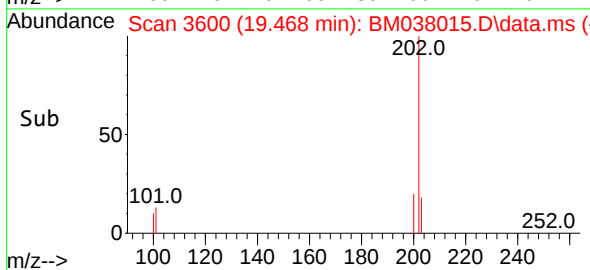
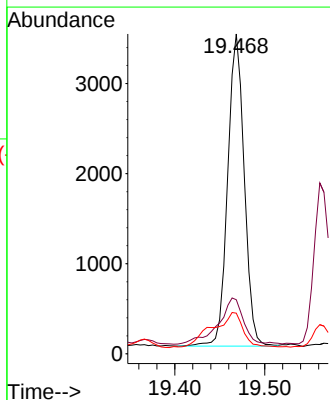
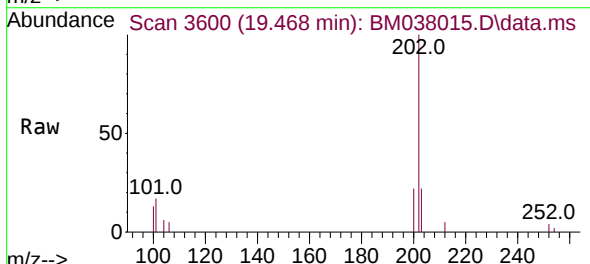
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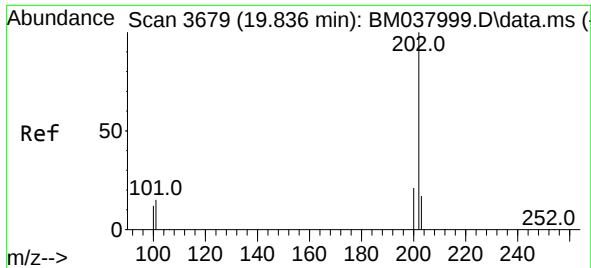
Reviewed By :Jagrut Upadhyay 12/15/2022  
 Supervised By :mohammad ahmed 12/16/2022



#19  
 Fluoranthene  
 Concen: 0.061 ng/ul  
 RT: 19.468 min Scan# 3600  
 Delta R.T. -0.005 min  
 Lab File: BM038015.D  
 Acq: 15 Dec 2022 01:55

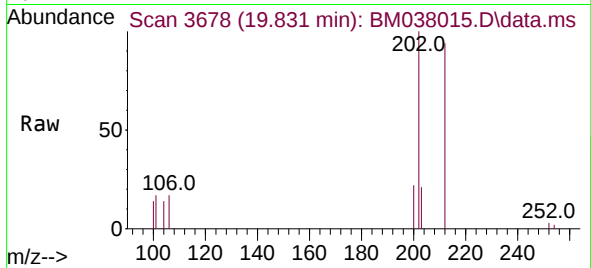
Tgt Ion:202 Resp: 4443  
 Ion Ratio Lower Upper  
 202 100  
 101 16.9 10.9 16.3#  
 100 12.7 8.5 12.7#





#20  
Pyrene  
Concen: 0.087 ng/ul  
RT: 19.831 min Scan# 3678  
Delta R.T. -0.005 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55

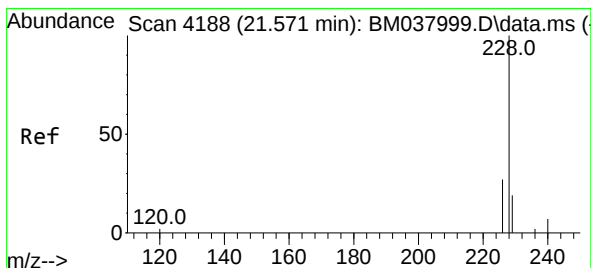
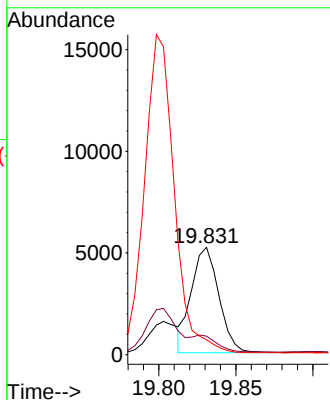
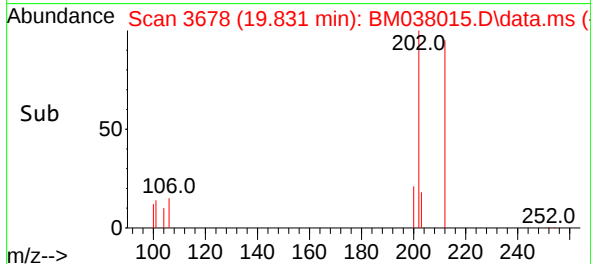
Instrument :  
BNA\_M  
ClientSampleId :  
COLE8



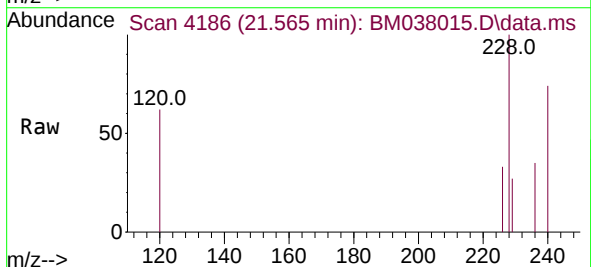
Tgt Ion:202 Resp: 6435  
Ion Ratio Lower Upper  
202 100  
101 17.3 12.6 19.0  
100 13.8 10.6 15.8

Manual Integrations  
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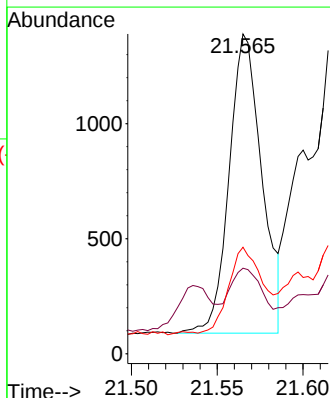
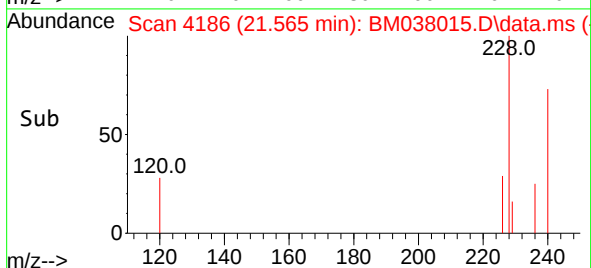
Reviewed By :Jagrut Upadhyay 12/15/2022  
Supervised By :mohammad ahmed 12/16/2022

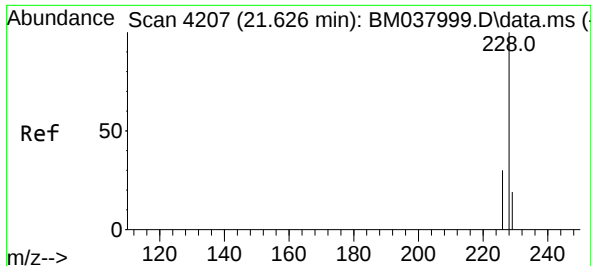


#21  
Benzo(a)anthracene  
Concen: 0.027 ng/ul  
RT: 21.565 min Scan# 4186  
Delta R.T. -0.009 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55



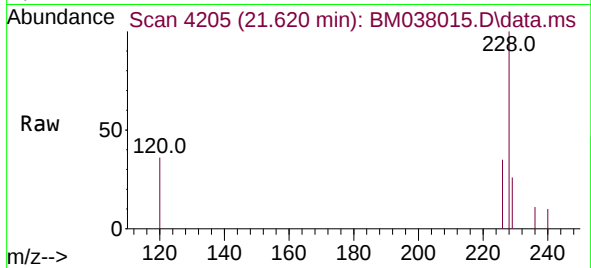
Tgt Ion:228 Resp: 1721  
Ion Ratio Lower Upper  
228 100  
229 26.8 15.8 23.6#  
226 33.3 21.0 31.4#





#22  
Chrysene  
Concen: 0.044 ng/ul m  
RT: 21.620 min Scan# 4207  
Delta R.T. -0.009 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55

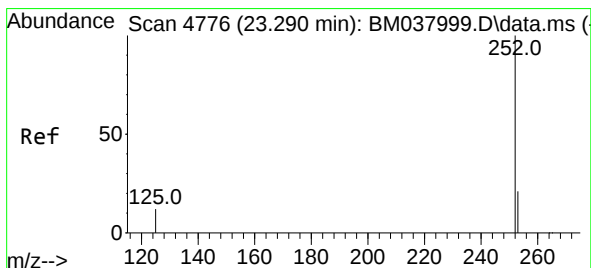
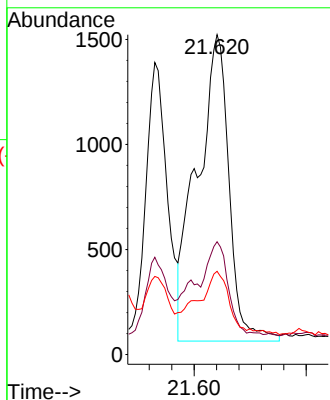
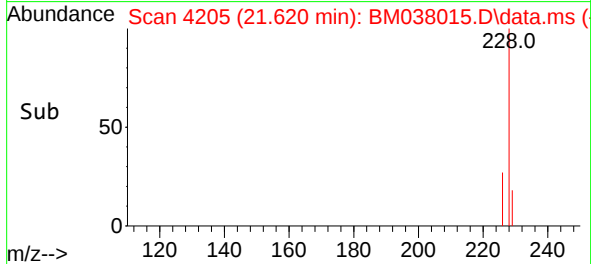
Instrument :  
BNA\_M  
ClientSampleId :  
COLE8



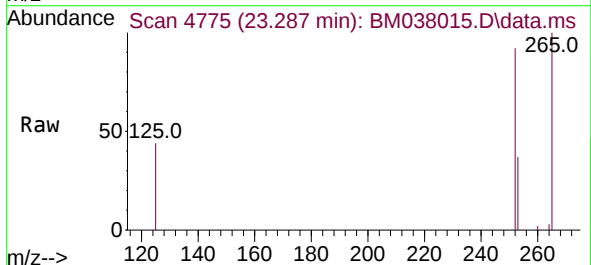
Tgt Ion:228 Resp: 2893  
Ion Ratio Lower Upper  
228 100  
226 35.3 23.7 35.5  
229 26.0 15.8 23.8

Manual Integrations  
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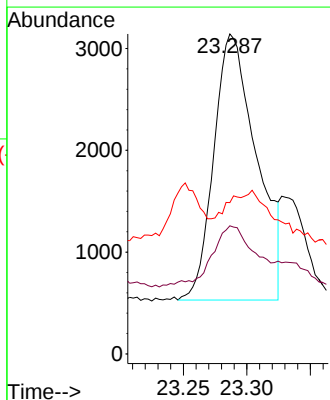
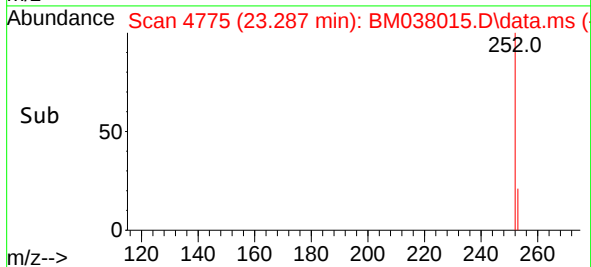
Reviewed By :Jagrut Upadhyay 12/15/2022  
Supervised By :mohammad ahmed 12/16/2022

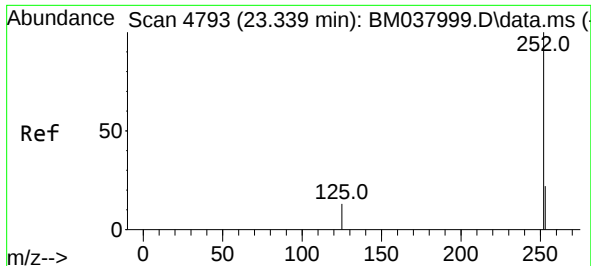


#24  
Benzo(b)fluoranthene  
Concen: 0.082 ng/ul  
RT: 23.287 min Scan# 4775  
Delta R.T. -0.009 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55



Tgt Ion:252 Resp: 6131  
Ion Ratio Lower Upper  
252 100  
253 40.0 0.0 49.6  
125 47.3 0.0 39.6





#25

Benzo(k)fluoranthene

Concen: 0.021 ng/ul m

RT: 23.327 min Scan# 4789

Delta R.T. -0.015 min

Lab File: BM038015.D

Acq: 15 Dec 2022 01:55

Instrument :

BNM

ClientSampleId :

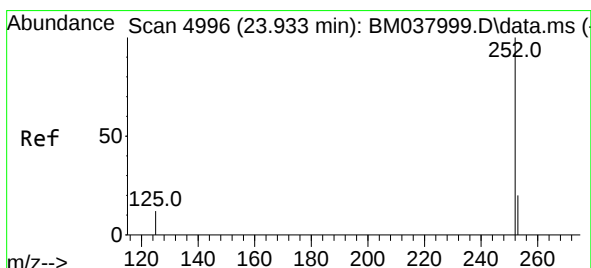
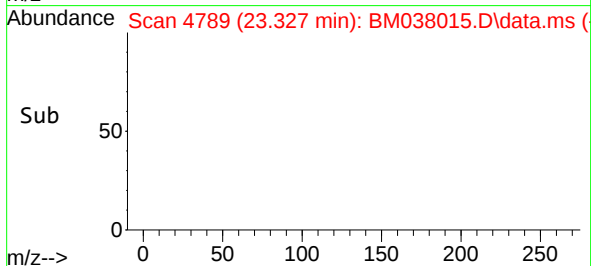
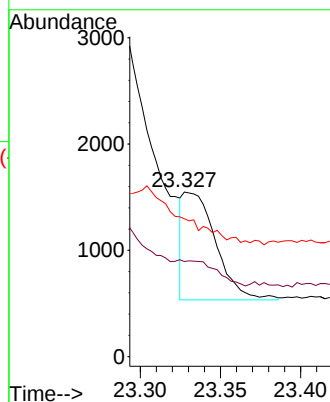
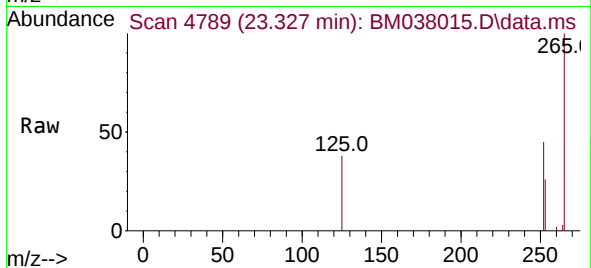
COLE8

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 1435 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 57.8  | 19.4  | 29.0 |
| 125       | 83.7  | 16.7  | 25.1 |

Manual Integrations

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#26

Benzo(a)pyrene

Concen: 0.041 ng/ul

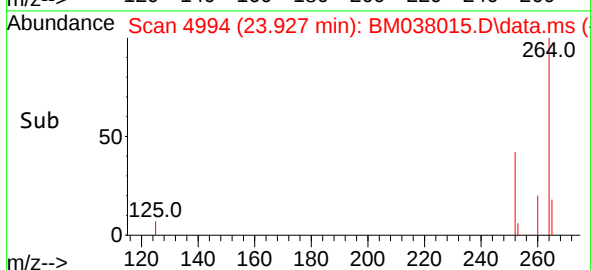
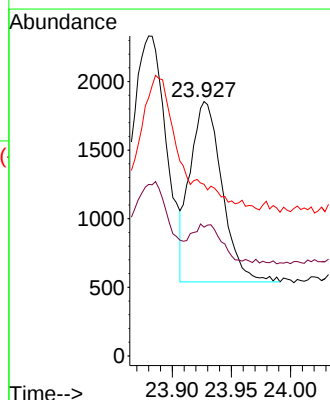
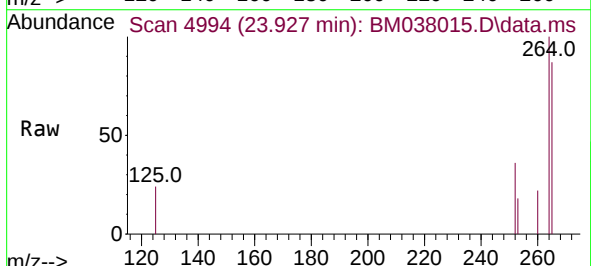
RT: 23.927 min Scan# 4994

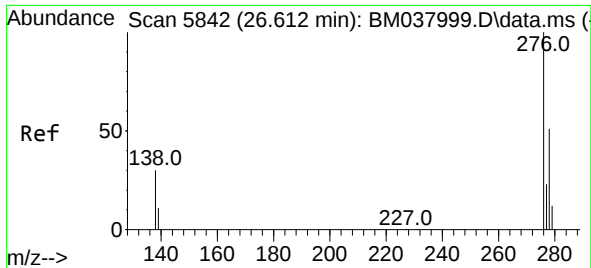
Delta R.T. -0.012 min

Lab File: BM038015.D

Acq: 15 Dec 2022 01:55

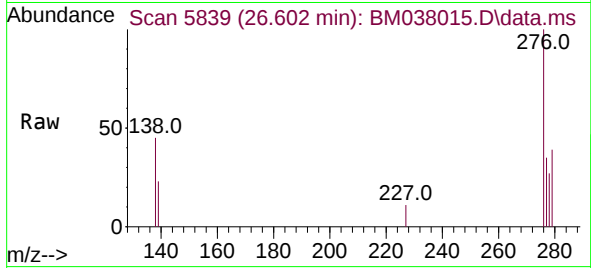
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 252   | Resp: | 2487 |
| Ion Ratio | Lower | Upper |      |
| 252       | 100   |       |      |
| 253       | 50.6  | 21.7  | 32.5 |
| 125       | 67.5  | 20.4  | 30.6 |





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.029 ng/ul  
RT: 26.602 min Scan# 5842  
Delta R.T. -0.017 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55

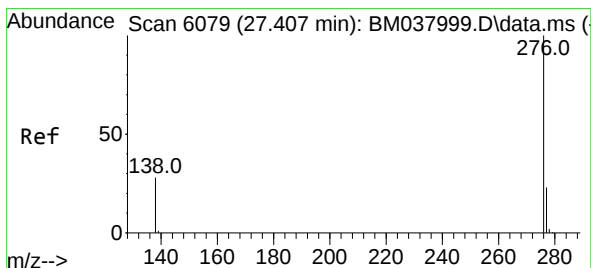
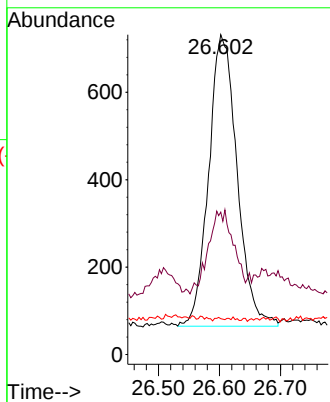
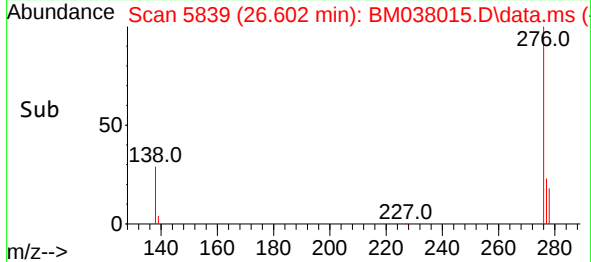
Instrument :  
BNA\_M  
ClientSampleId :  
COLE8



Tgt Ion:276 Resp: 2158  
Ion Ratio Lower Upper  
276 100  
138 0.0 0.0 0.0  
227 0.3 0.1 0.1

Manual Integrations  
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Supervised By :mohammad ahmed 12/16/2022



#29  
Benzo(g,h,i)perylene  
Concen: 0.029 ng/ul  
RT: 27.397 min Scan# 6076  
Delta R.T. -0.020 min  
Lab File: BM038015.D  
Acq: 15 Dec 2022 01:55

Tgt Ion:276 Resp: 1767  
Ion Ratio Lower Upper  
276 100  
138 46.3 23.5 35.3#  
277 36.0 20.0 30.0#

