

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
 Data File : BM041851.D  
 Acq On : 14 Sep 2023 04:00  
 Operator : MA/JU  
 Sample : 04175-02RE  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EZYG6RE

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 05:09:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 13 16:15:23 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.971  | 152  | 7924     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.785 | 136  | 20894    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.615 | 164  | 11701    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.367 | 188  | 25700    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.536 | 240  | 15827    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.950 | 264  | 16881    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.381  | 96   | 36477    | 3.619 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.368 | 152  | 7767     | 0.273 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.399 | 212  | 16619    | 0.306 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.834 | 128  | 1970     | 0.028 | ng/ul# | 84       |
| 7) 2-Methylnaphthalene      | 12.440 | 142  | 1700     | 0.040 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.409 | 178  | 9753     | 0.087 | ng/ul# | 95       |
| 19) Fluoranthene            | 19.427 | 202  | 35047    | 0.286 | ng/ul# | 97       |
| 20) Pyrene                  | 19.785 | 202  | 31470m   | 0.245 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.518 | 228  | 15037    | 0.144 | ng/ul# | 94       |
| 22) Chrysene                | 21.571 | 228  | 30821    | 0.288 | ng/ul# | 95       |
| 24) Benzo(b)fluoranthene    | 23.208 | 252  | 45334    | 0.377 | ng/ul# | 33       |
| 25) Benzo(k)fluoranthene    | 23.252 | 252  | 15223m   | 0.138 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.845 | 252  | 20454    | 0.223 | ng/ul# | 6        |
| 27) Indeno(1,2,3-cd)pyrene  | 26.448 | 276  | 21827    | 0.155 | ng/ul# | 88       |
| 28) Dibenzo(a,h)anthracene  | 26.465 | 278  | 5254     | 0.051 | ng/ul# | 1        |
| 29) Benzo(g,h,i)perylene    | 27.229 | 276  | 23396    | 0.196 | ng/ul# | 84       |
| -----                       |        |      |          |       |        |          |

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

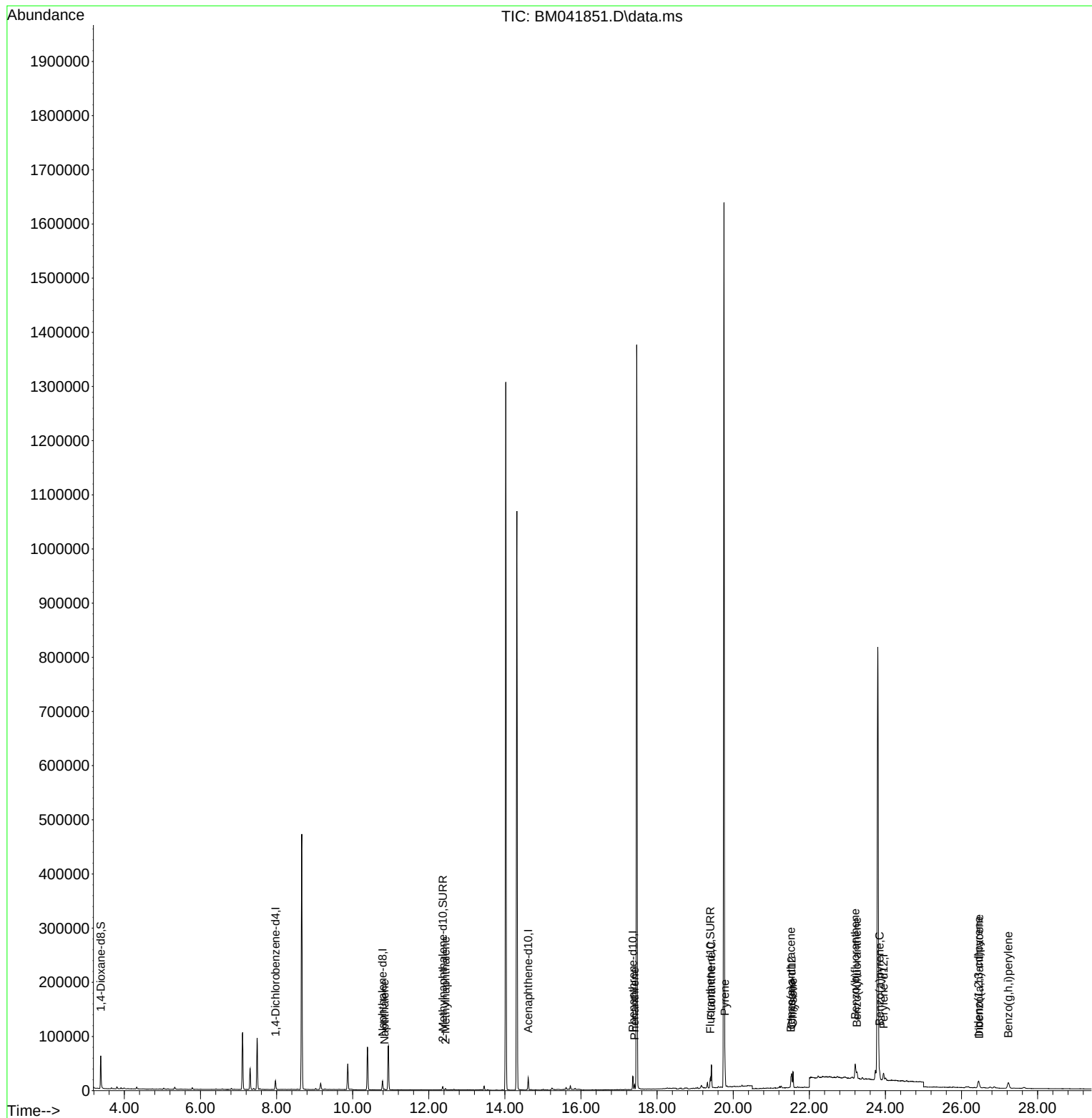
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091323\  
Data File : BM041851.D  
Acq On : 14 Sep 2023 04:00  
Operator : MA/JU  
Sample : 04175-02RE  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

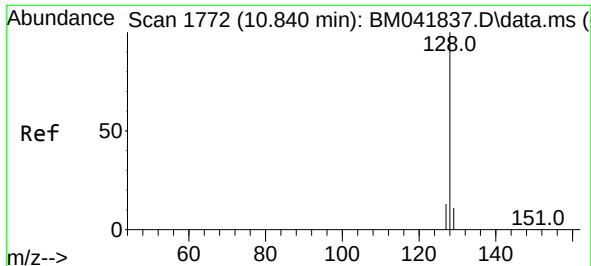
Instrument :  
BNA\_M  
ClientSampleId :  
EZYG6RE

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

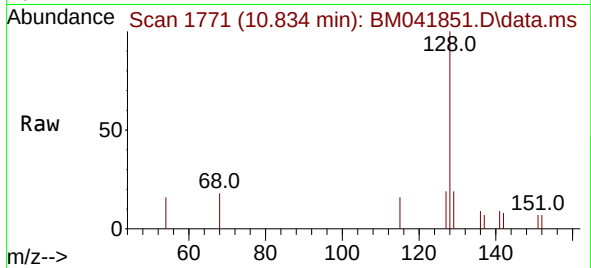
Quant Time: Sep 14 05:09:53 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM091323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 13 16:15:23 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.028 ng/ul  
RT: 10.834 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

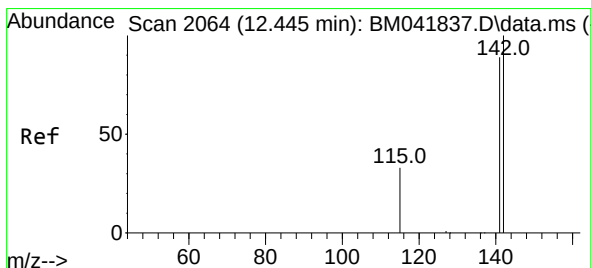
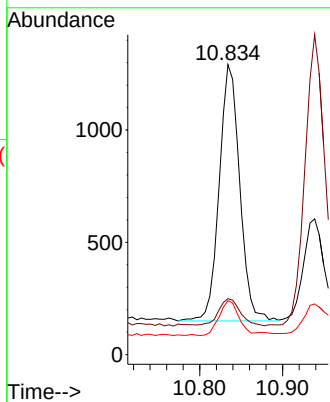
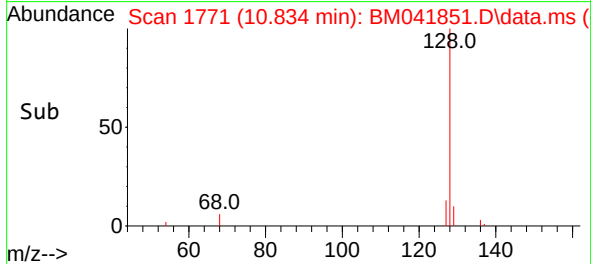
Instrument :  
BNA\_M  
ClientSampleId :  
EZYG6RE



Tgt Ion:128 Resp: 1970  
Ion Ratio Lower Upper  
128 100  
129 19.3 9.5 14.3  
127 18.7 10.7 16.1

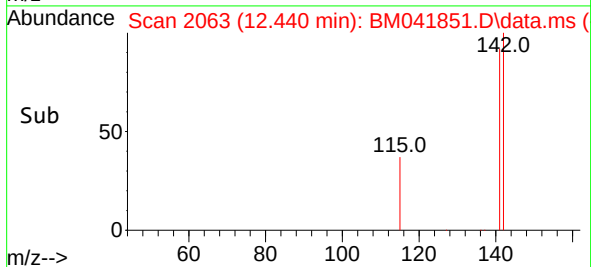
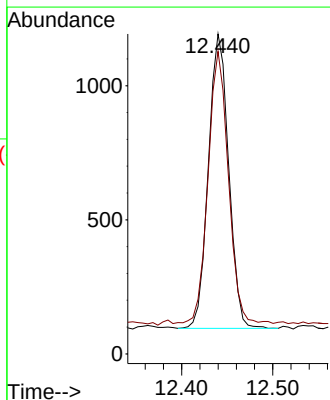
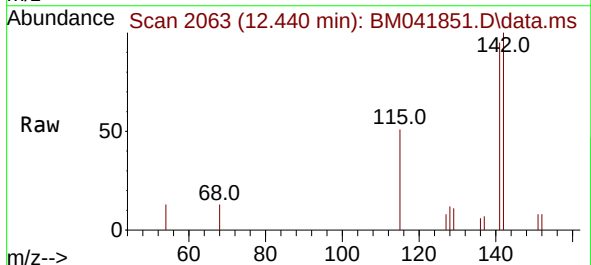
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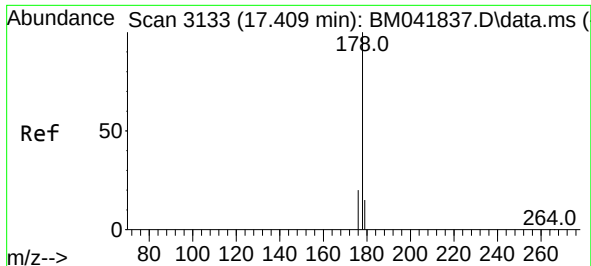
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



#7  
2-Methylnaphthalene  
Concen: 0.040 ng/ul  
RT: 12.440 min Scan# 2063  
Delta R.T. -0.006 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

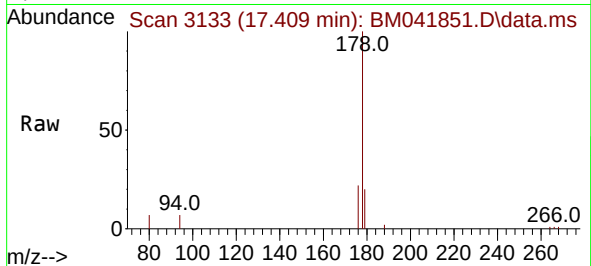
Tgt Ion:142 Resp: 1700  
Ion Ratio Lower Upper  
142 100  
141 92.4 72.1 108.1





#15  
Phenanthrene  
Concen: 0.087 ng/ul  
RT: 17.409 min Scan# 3133  
Delta R.T. -0.000 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

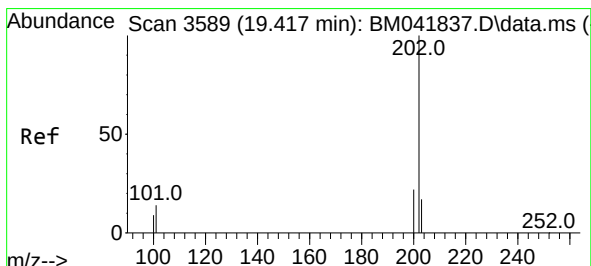
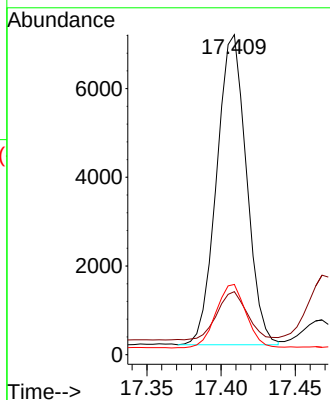
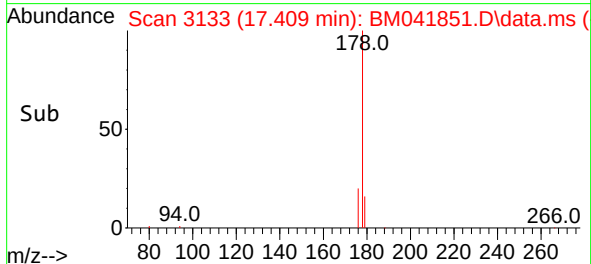
Instrument :  
BNA\_M  
ClientSampleId :  
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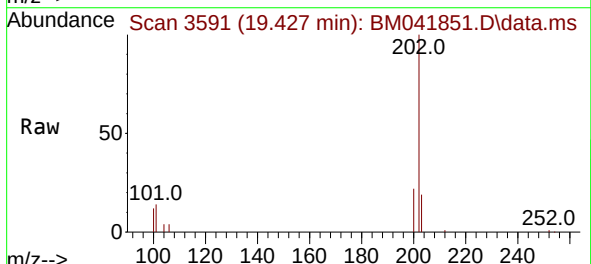
Tgt Ion:178 Resp: 975  
Ion Ratio Lower Upper  
178 100  
179 19.7 12.6 19.0  
176 21.9 16.6 25.0

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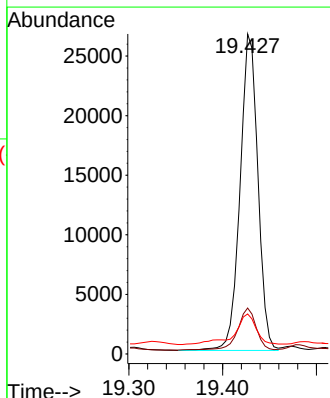
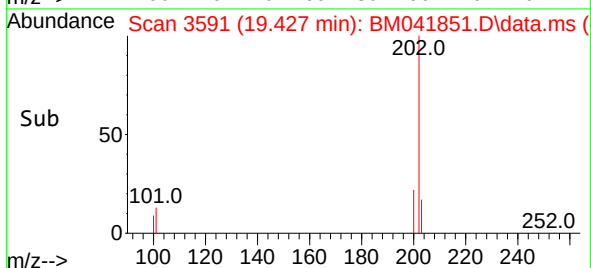
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

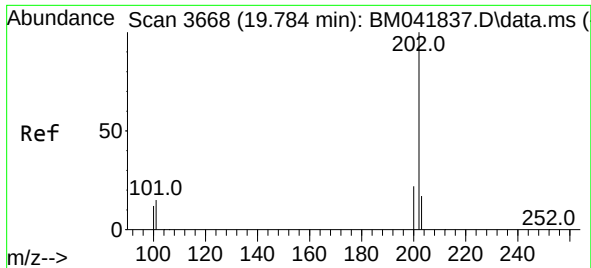


#19  
Fluoranthene  
Concen: 0.286 ng/ul  
RT: 19.427 min Scan# 3591  
Delta R.T. 0.009 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00



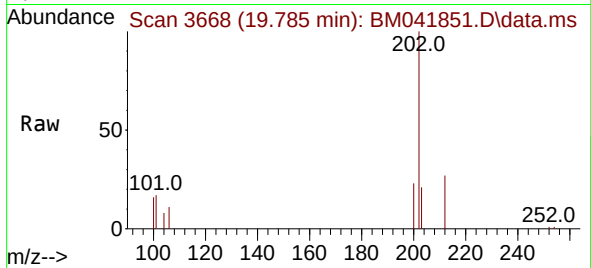
Tgt Ion:202 Resp: 35047  
Ion Ratio Lower Upper  
202 100  
101 14.3 11.0 16.6  
100 12.5 8.2 12.4





#20  
Pyrene  
Concen: 0.245 ng/ul m  
RT: 19.785 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

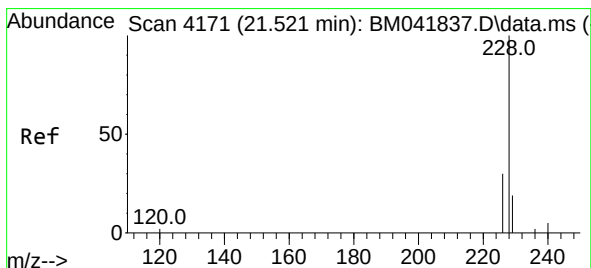
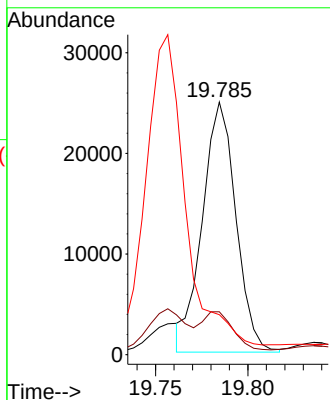
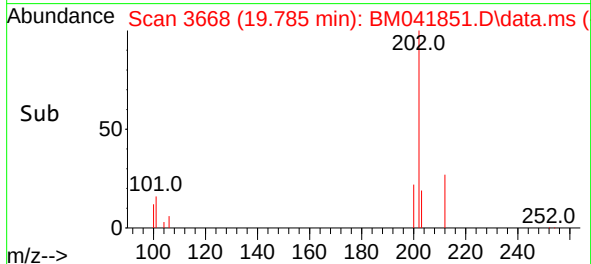
Instrument :  
BNA\_M  
ClientSampleId :  
EZYG6RE



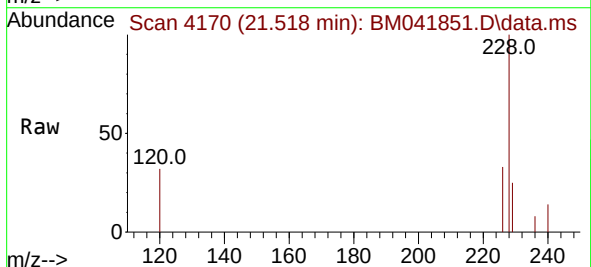
Tgt Ion:202 Resp: 31470  
Ion Ratio Lower Upper  
202 100  
101 17.0 12.6 19.0  
100 15.8 9.9 14.9

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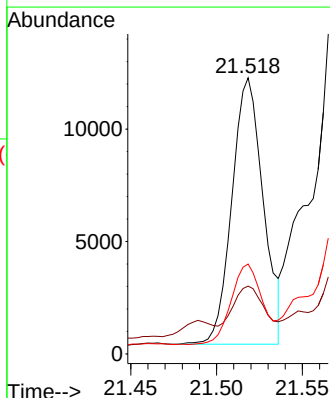
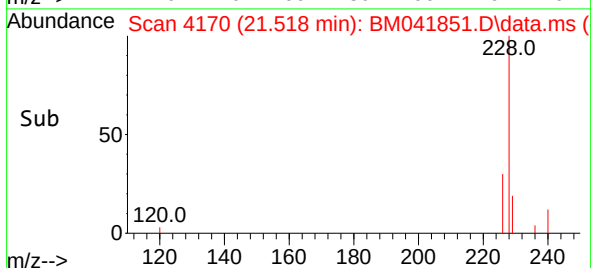
Reviewed By :Yogesh Patel 09/14/2023  
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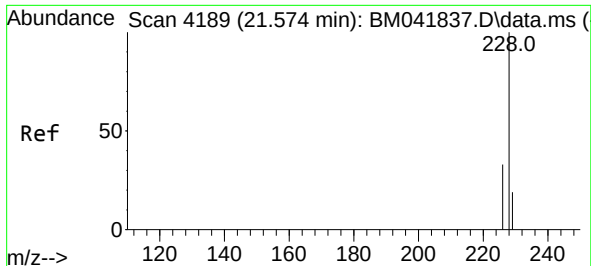


#21  
Benzo(a)anthracene  
Concen: 0.144 ng/ul  
RT: 21.518 min Scan# 4170  
Delta R.T. -0.003 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00



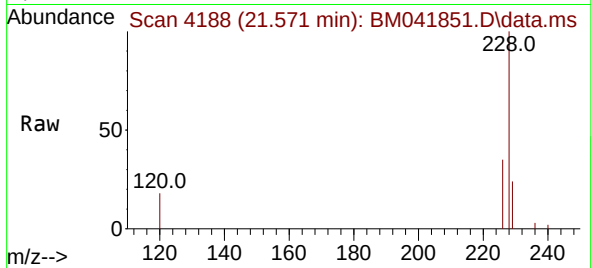
Tgt Ion:228 Resp: 15037  
Ion Ratio Lower Upper  
228 100  
229 24.6 15.8 23.8#  
226 32.5 24.3 36.5





#22  
Chrysene  
Concen: 0.288 ng/ul  
RT: 21.571 min Scan# 4188  
Delta R.T. -0.006 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

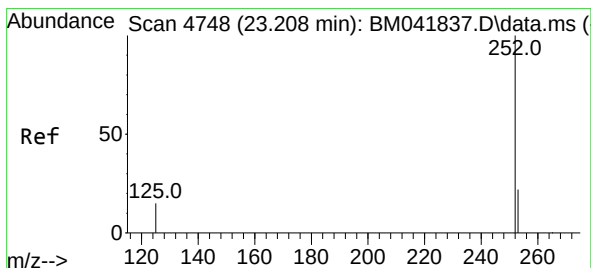
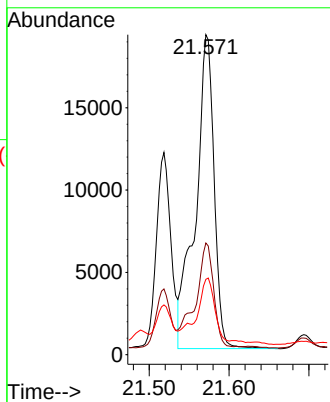
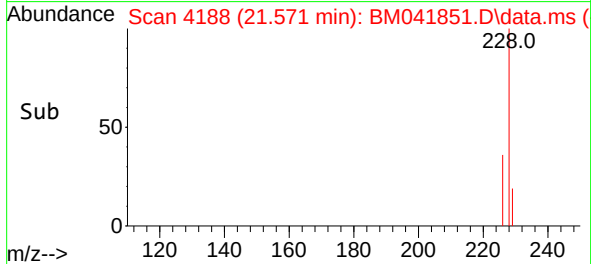
Instrument :  
BNA\_M  
ClientSampleId :  
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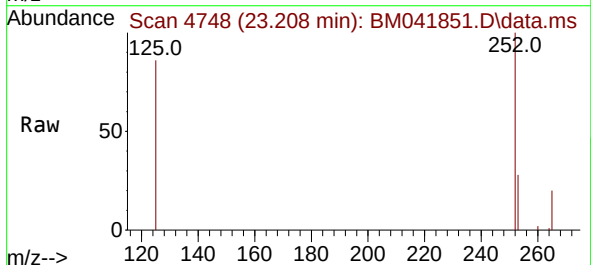
Tgt Ion:228 Resp: 3082  
Ion Ratio Lower Upper  
228 100  
226 34.9 27.0 40.4  
229 23.6 15.7 23.5

Manual Integrations  
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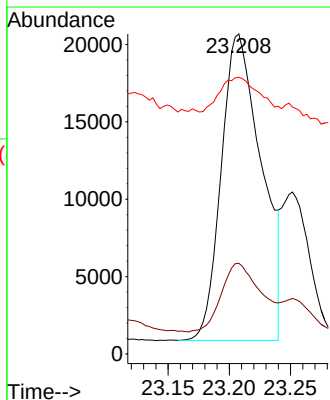
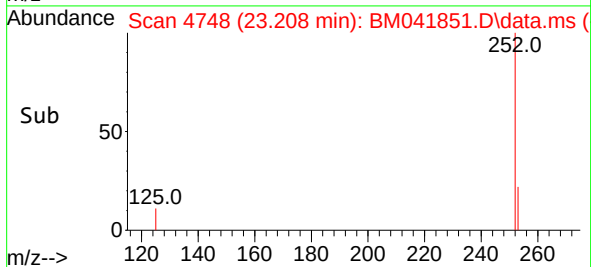
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

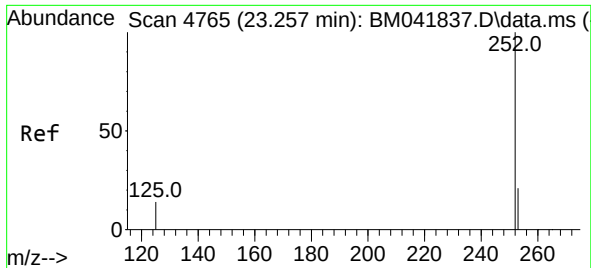


#24  
Benzo(b)fluoranthene  
Concen: 0.377 ng/ul  
RT: 23.208 min Scan# 4748  
Delta R.T. -0.000 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00



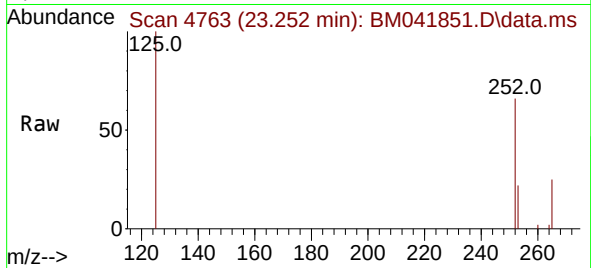
Tgt Ion:252 Resp: 45334  
Ion Ratio Lower Upper  
252 100  
253 28.3 0.0 51.0  
125 86.5 0.0 39.8





#25  
Benzo(k)fluoranthene  
Concen: 0.138 ng/ul m  
RT: 23.252 min Scan# 4763  
Delta R.T. -0.009 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

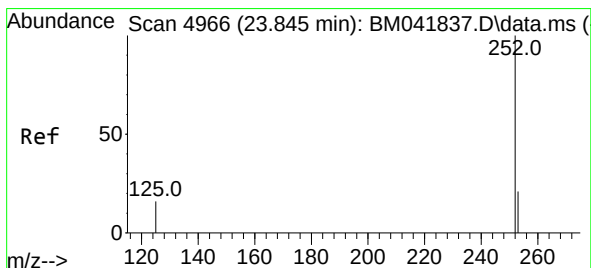
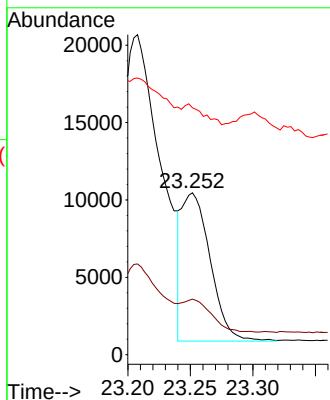
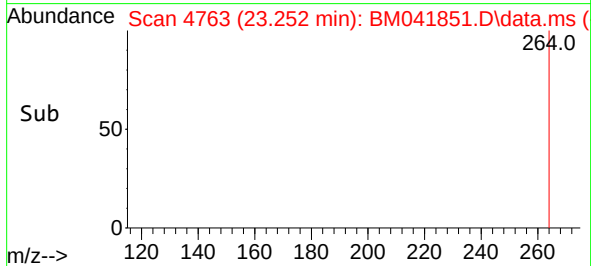
Instrument :  
BNA\_M  
ClientSampleId :  
EZYG6RE



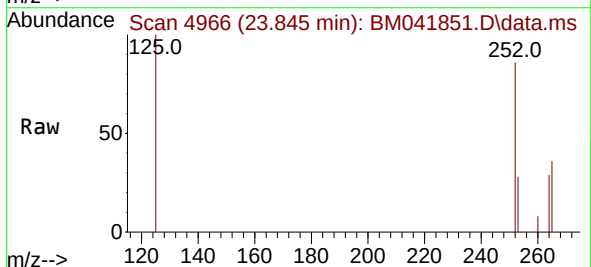
Tgt Ion:252 Resp: 15223  
Ion Ratio Lower Upper  
252 100  
253 34.3 20.2 30.2  
125 152.4 15.8 23.8

Manual Integrations  
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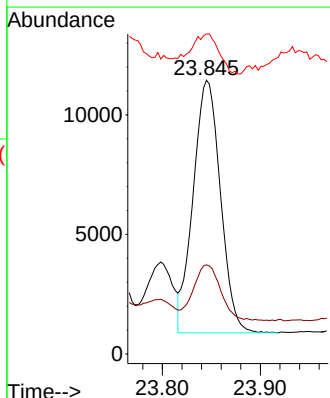
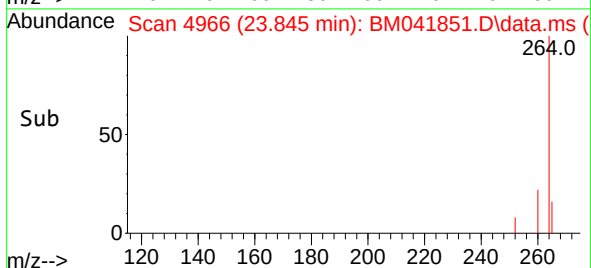
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023

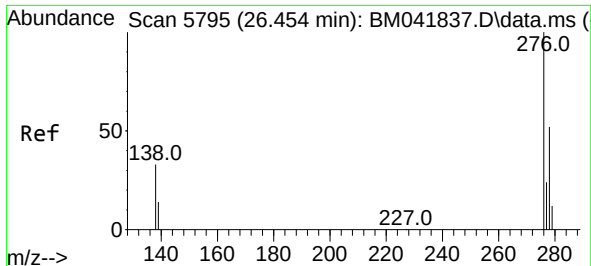


#26  
Benzo(a)pyrene  
Concen: 0.223 ng/ul  
RT: 23.845 min Scan# 4966  
Delta R.T. -0.000 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00



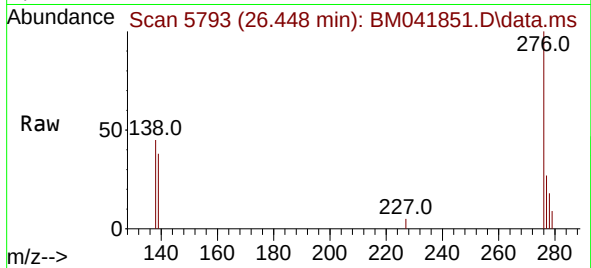
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Ion Ratio Lower Upper  
252 100  
253 32.6 21.8 32.8  
125 116.9 18.8 28.2





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.155 ng/ul  
RT: 26.448 min Scan# 5795  
Delta R.T. -0.007 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

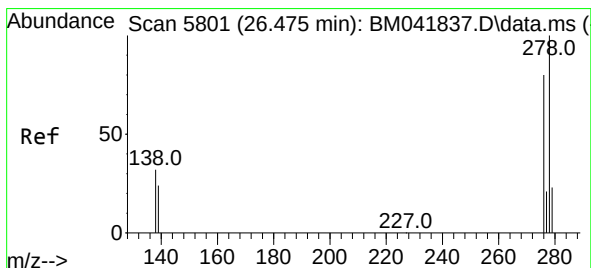
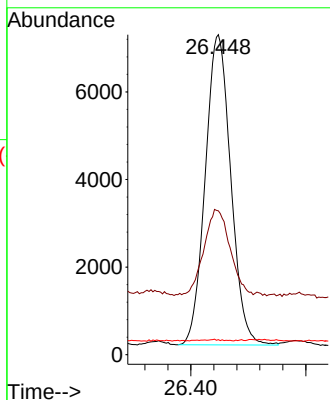
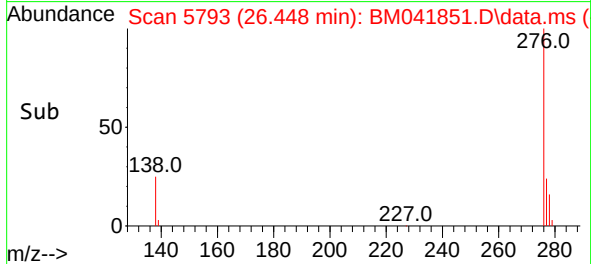
Instrument :  
BNA\_M  
ClientSampleId :  
EZYG6RE



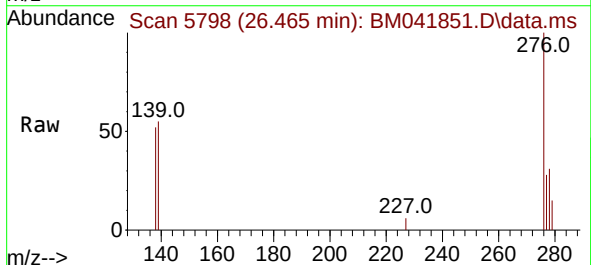
Tgt Ion: 276 Resp: 2182  
Ion Ratio Lower Upper  
276 100  
138 27.9 27.7 41.5  
227 0.2 0.1 0.1

Manual Integrations  
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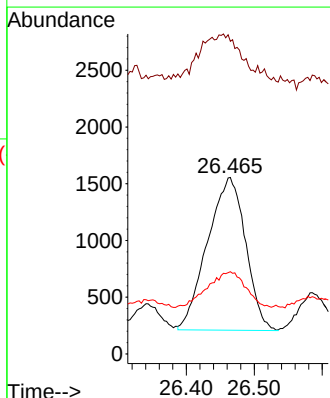
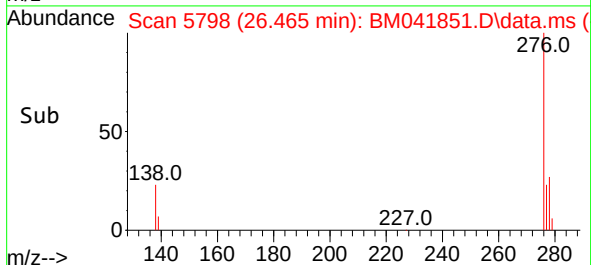
Reviewed By :Yogesh Patel 09/14/2023  
Supervised By :mohammad ahmed 09/15/2023



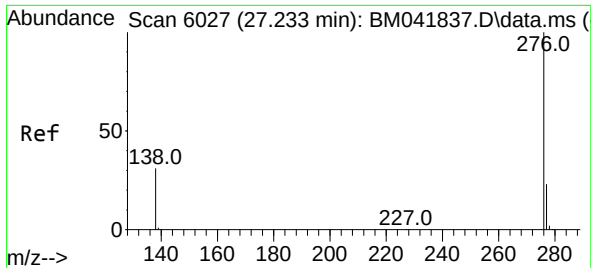
#28  
Dibenzo(a,h)anthracene  
Concen: 0.051 ng/ul  
RT: 26.465 min Scan# 5798  
Delta R.T. -0.010 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00



Tgt Ion: 278 Resp: 5254  
Ion Ratio Lower Upper  
278 100  
139 177.2 20.9 31.3#  
279 46.6 20.3 30.5#

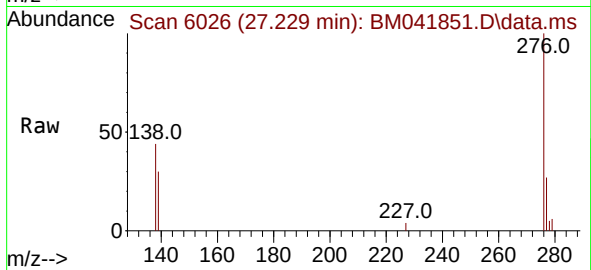






#29  
Benzo(g,h,i)perylene  
Concen: 0.196 ng/ul  
RT: 27.229 min Scan# 6026  
Delta R.T. -0.007 min  
Lab File: BM041851.D  
Acq: 14 Sep 2023 04:00

Instrument :  
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Tgt Ion: 276 Resp: 23390  
Ion Ratio Lower Upper  
276 100  
138 44.3 24.7 37.1  
277 26.6 19.3 28.9

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