

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
 Data File : BM040981.D  
 Acq On : 20 Jul 2023 14:51  
 Operator : MA/JU  
 Sample : 03452-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A46N9

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/20/2023  
 Supervised By :Sohil Jodhani 07/20/2023

Quant Time: Jul 20 15:55:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 20 05:08:42 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.866  | 152  | 3286     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.674 | 136  | 8632     | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.518 | 164  | 4024     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.274 | 188  | 8327     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.469 | 240  | 5532     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.860 | 264  | 4838     | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.279  | 96   | 6103     | 1.130 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.264 | 152  | 3162     | 0.275 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.306 | 212  | 5018     | 0.216 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.724 | 128  | 3261     | 0.138 | ng/ul  | 94       |
| 7) 2-Methylnaphthalene      | 12.341 | 142  | 350      | 0.027 | ng/ul  | 98       |
| 10) Acenaphthylene          | 14.240 | 152  | 618      | 0.037 | ng/ul# | 57       |
| 12) Fluorene                | 15.573 | 166  | 486      | 0.032 | ng/ul# | 90       |
| 15) Phenanthrene            | 17.316 | 178  | 5147     | 0.207 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.338 | 202  | 10145    | 0.355 | ng/ul  | 100      |
| 20) Pyrene                  | 19.696 | 202  | 7469     | 0.256 | ng/ul# | 94       |
| 21) Benzo(a)anthracene      | 21.451 | 228  | 2832     | 0.168 | ng/ul# | 90       |
| 22) Chrysene                | 21.504 | 228  | 4604     | 0.239 | ng/ul  | 94       |
| 24) Benzo(b)fluoranthene    | 23.134 | 252  | 5294     | 0.285 | ng/ul  | 82       |
| 25) Benzo(k)fluoranthene    | 23.175 | 252  | 2084m    | 0.118 | ng/ul  |          |
| 27) Indeno(1,2,3-cd)pyrene  | 26.334 | 276  | 1853     | 0.087 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.347 | 278  | 640      | 0.040 | ng/ul# | 11       |
| -----                       |        |      |          |       |        |          |

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

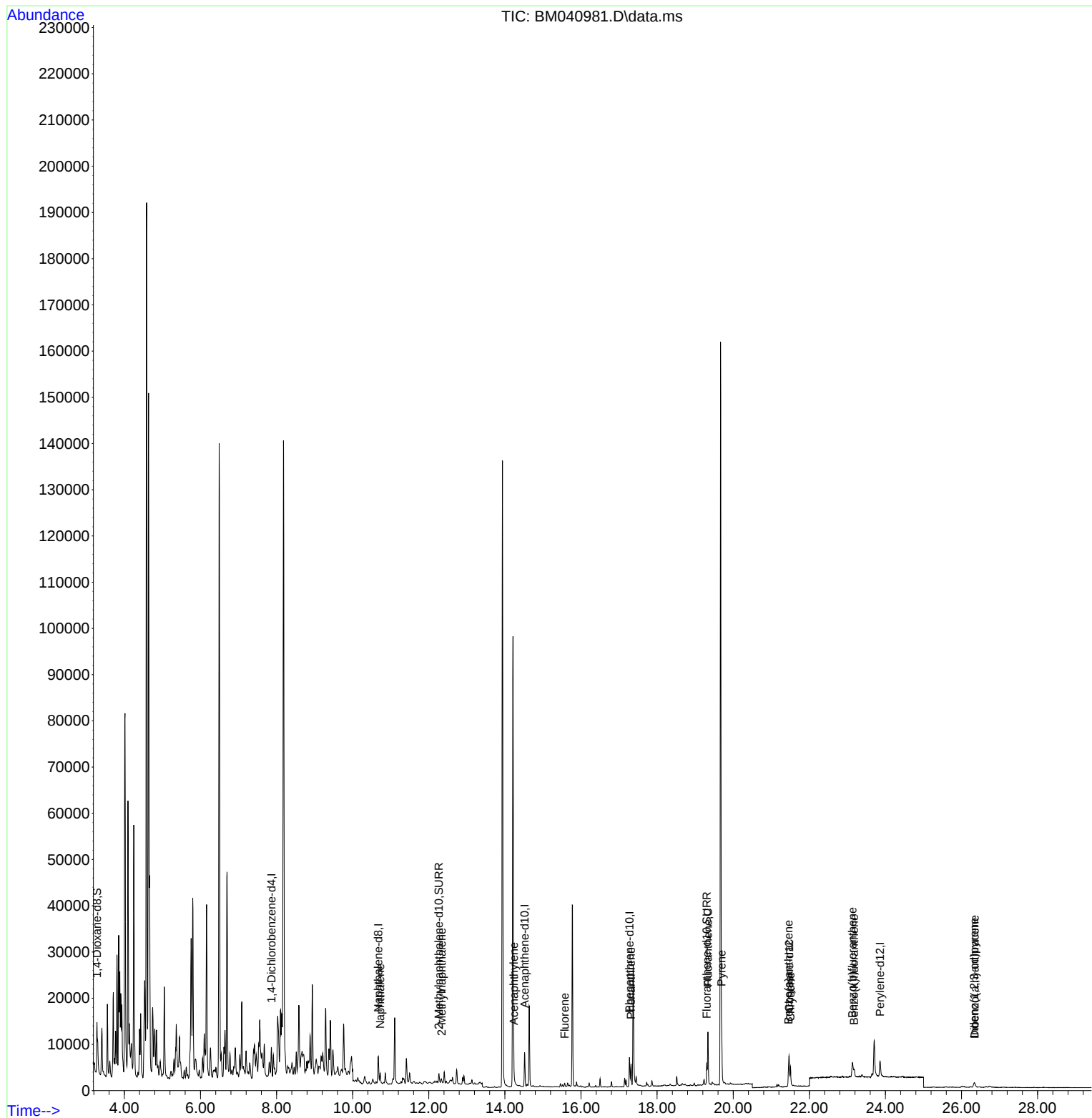
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072023\  
Data File : BM040981.D  
Acq On : 20 Jul 2023 14:51  
Operator : MA/JU  
Sample : 03452-11  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

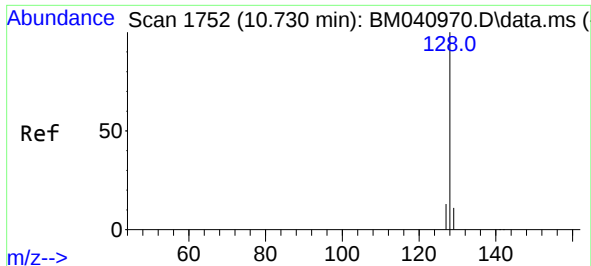
Instrument :  
BNA\_M  
ClientSampleId :  
A46N9

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023

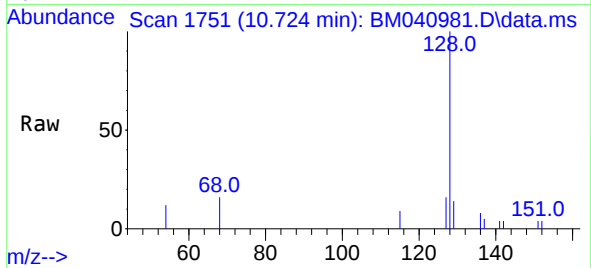
Quant Time: Jul 20 15:55:39 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM071923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 20 05:08:42 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.138 ng/ul  
RT: 10.724 min Scan# 1751  
Delta R.T. -0.006 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

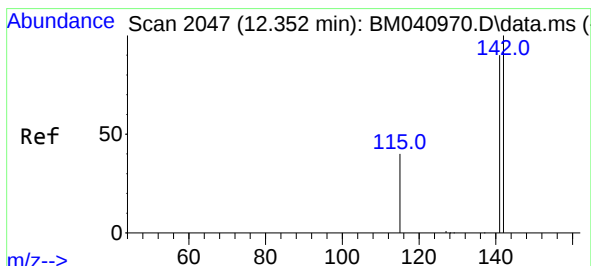
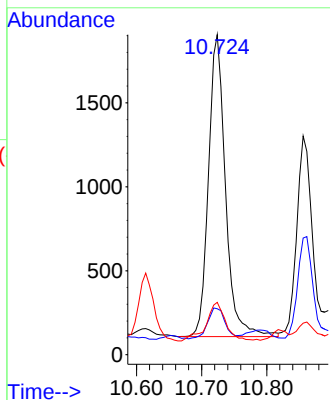
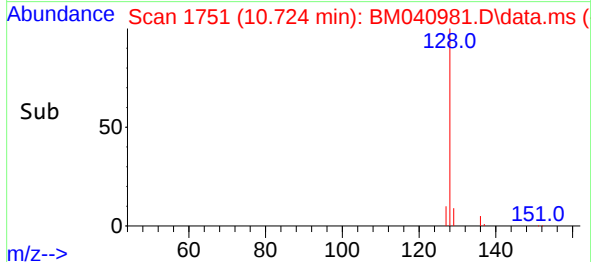
Instrument :  
BNA\_M  
ClientSampleId :  
A46N9



Tgt Ion:128 Resp: 326  
Ion Ratio Lower Upper  
128 100  
129 14.4 9.8 14.8  
127 16.4 11.0 16.4

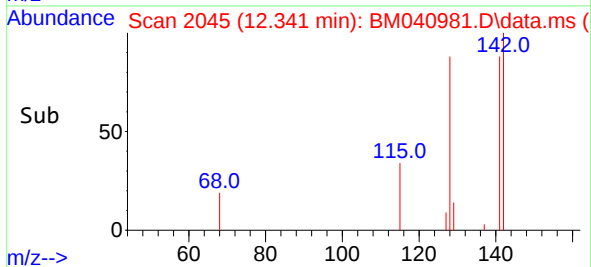
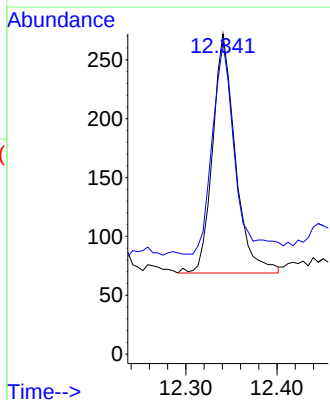
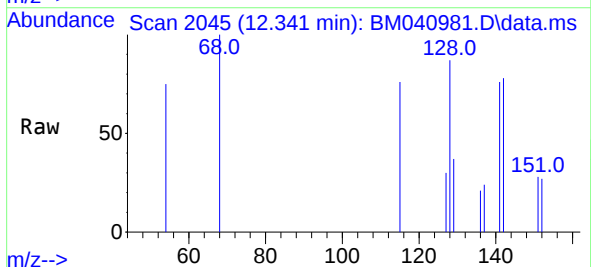
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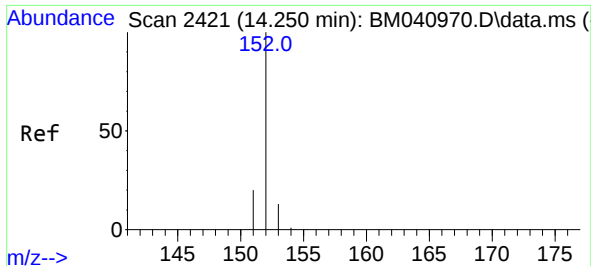
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023



#7  
2-Methylnaphthalene  
Concen: 0.027 ng/ul  
RT: 12.341 min Scan# 2045  
Delta R.T. -0.011 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

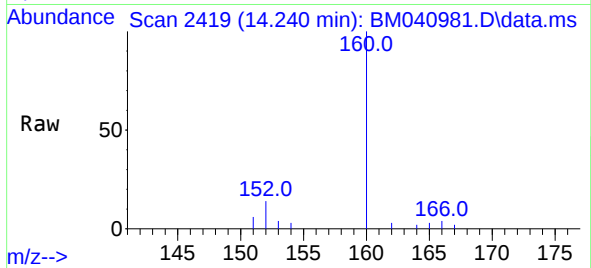
Tgt Ion:142 Resp: 350  
Ion Ratio Lower Upper  
142 100  
141 89.7 73.2 109.8





#10  
Acenaphthylene  
Concen: 0.037 ng/ul  
RT: 14.240 min Scan# 2421  
Delta R.T. -0.009 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

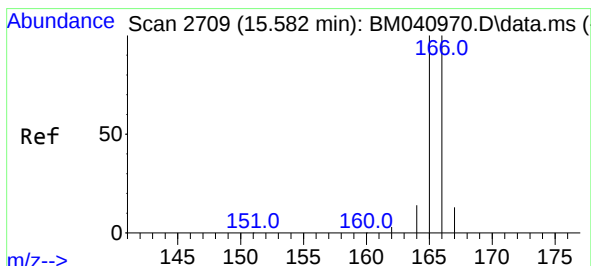
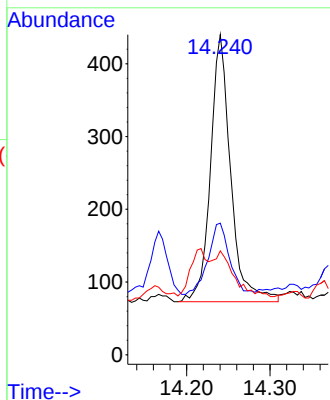
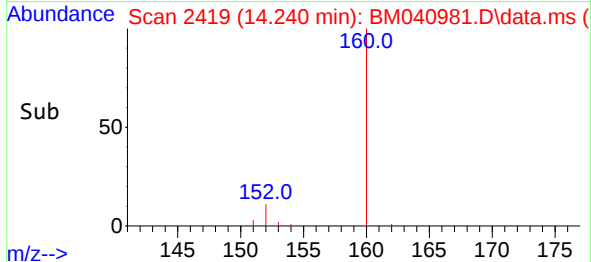
Instrument :  
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Tgt Ion:152 Resp: 618  
Ion Ratio Lower Upper  
152 100  
151 41.1 16.8 25.2  
153 32.5 11.6 17.4

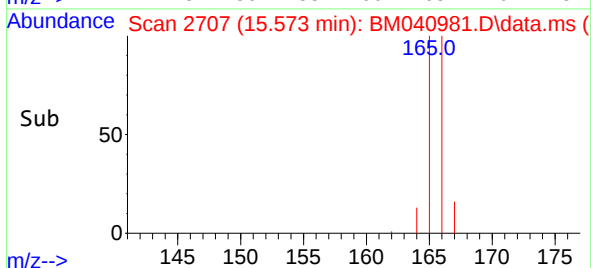
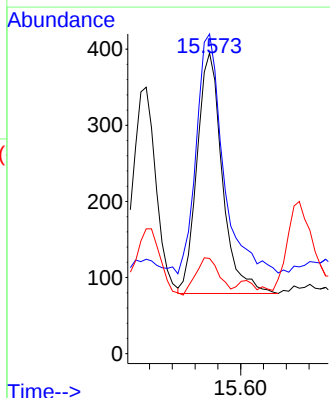
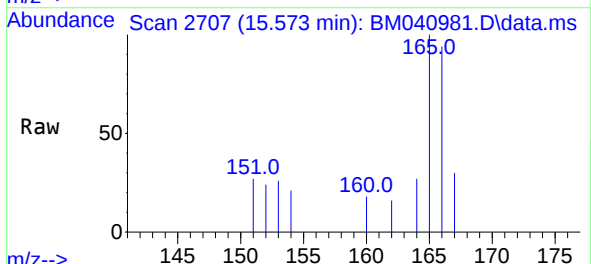
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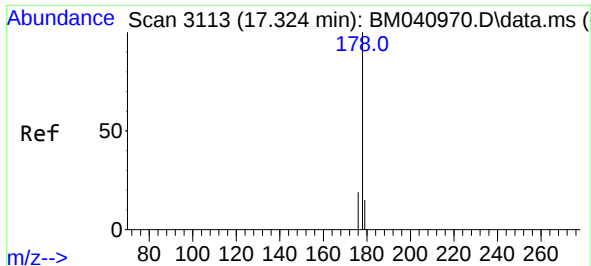
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023



#12  
Fluorene  
Concen: 0.032 ng/ul  
RT: 15.573 min Scan# 2707  
Delta R.T. -0.009 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

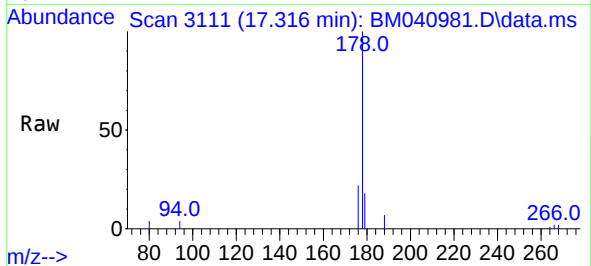
Tgt Ion:166 Resp: 486  
Ion Ratio Lower Upper  
166 100  
165 106.3 80.3 120.5  
167 31.6 11.7 17.5





#15  
Phenanthrene  
Concen: 0.207 ng/ul  
RT: 17.316 min Scan# 3111  
Delta R.T. -0.008 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

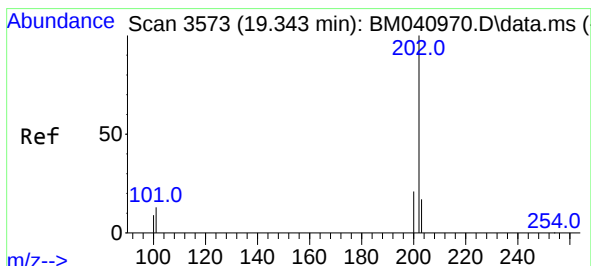
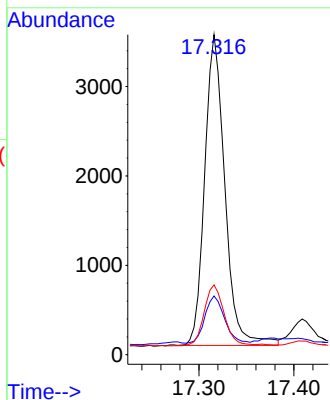
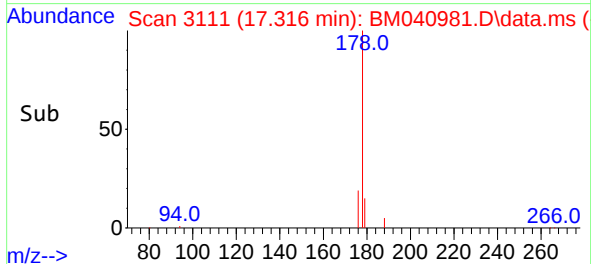
Instrument :  
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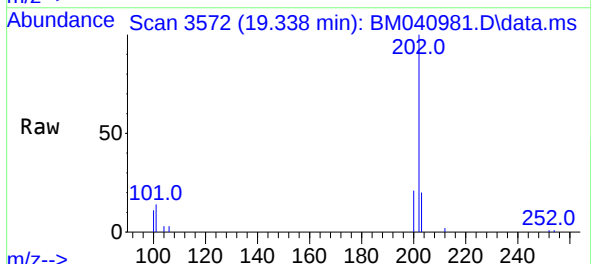
Tgt Ion:178 Resp: 514  
Ion Ratio Lower Upper  
178 100  
179 18.4 13.0 19.6  
176 21.8 16.2 24.4

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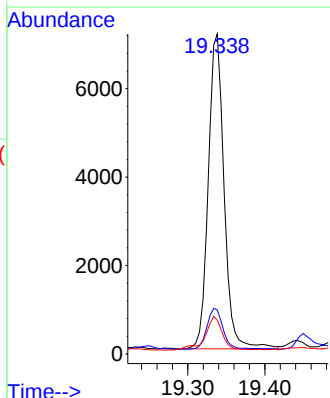
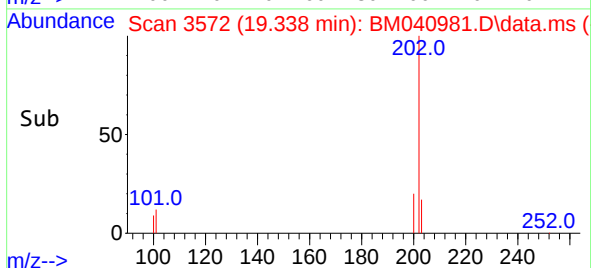
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023

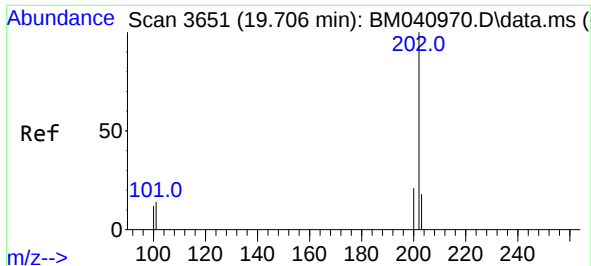


#19  
Fluoranthene  
Concen: 0.355 ng/ul  
RT: 19.338 min Scan# 3572  
Delta R.T. -0.005 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51



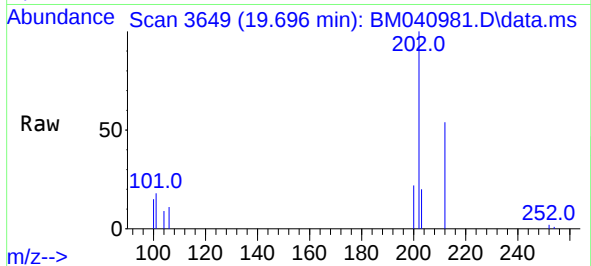
Tgt Ion:202 Resp: 10145  
Ion Ratio Lower Upper  
202 100  
101 13.8 11.0 16.4  
100 10.6 8.3 12.5





#20  
Pyrene  
Concen: 0.256 ng/ul  
RT: 19.696 min Scan# 3649  
Delta R.T. -0.009 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

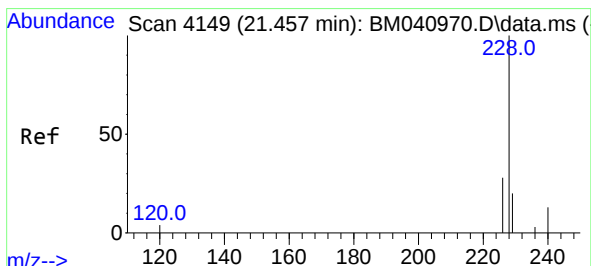
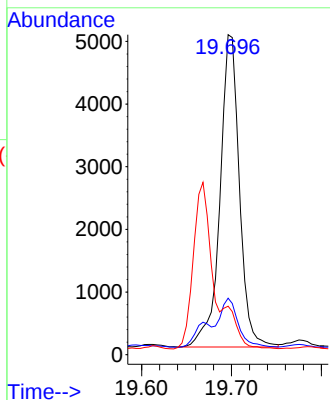
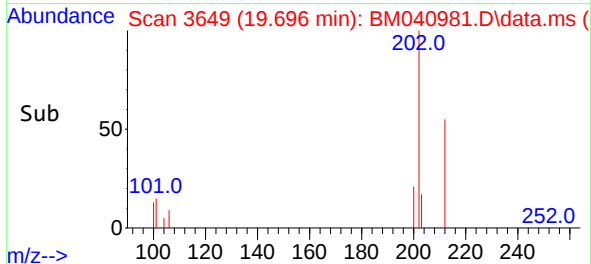
Instrument :  
BNA\_M  
ClientSampleId :  
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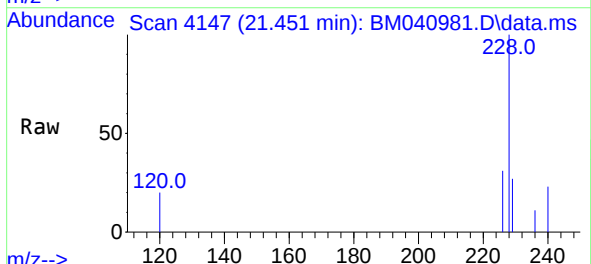
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 7469 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 17.7  | 12.5  | 18.7 |
| 100       | 15.1  | 10.0  | 15.0 |

Manual Integrations  
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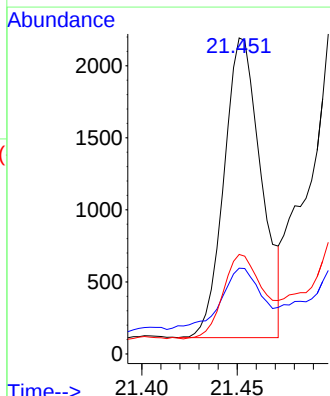
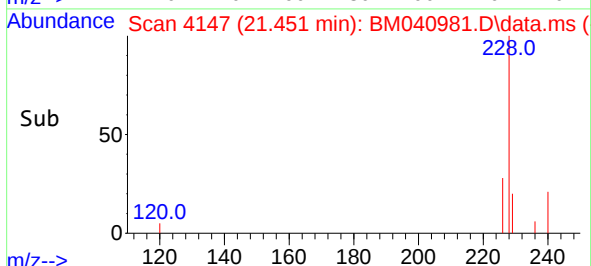
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023

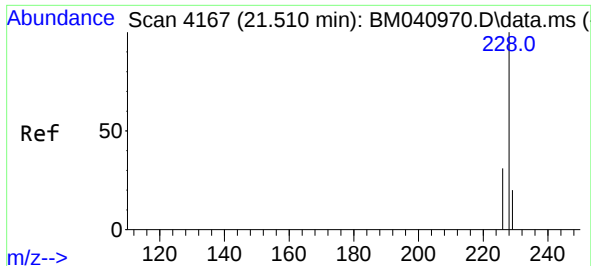


#21  
Benzo(a)anthracene  
Concen: 0.168 ng/ul  
RT: 21.451 min Scan# 4147  
Delta R.T. -0.006 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51



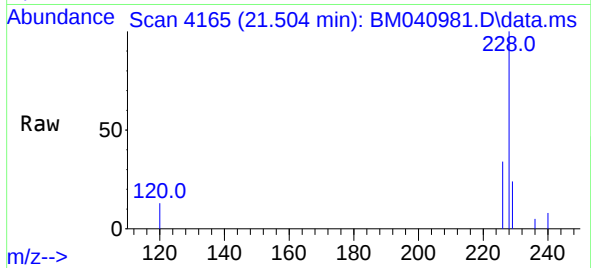
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 2832 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 27.1  | 16.2  | 24.4 |
| 226       | 31.5  | 22.3  | 33.5 |





#22  
Chrysene  
Concen: 0.239 ng/u1  
RT: 21.504 min Scan# 4165  
Delta R.T. -0.003 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

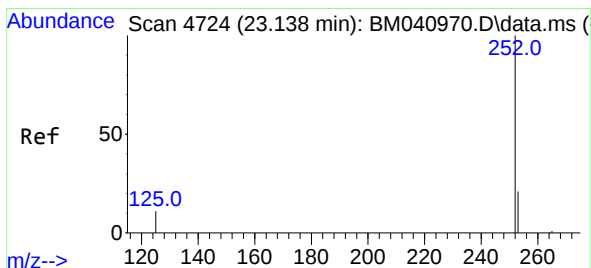
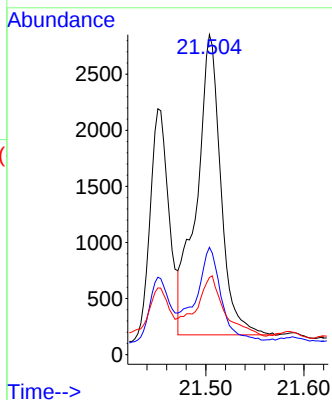
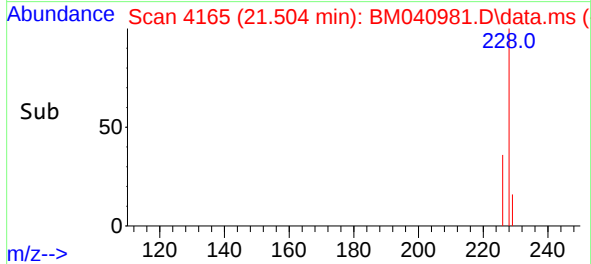
Instrument :  
BNA\_M  
ClientSampleId :  
A46N9



Tgt Ion:228 Resp: 4604  
Ion Ratio Lower Upper  
228 100  
226 33.5 24.6 37.0  
229 24.1 16.1 24.1

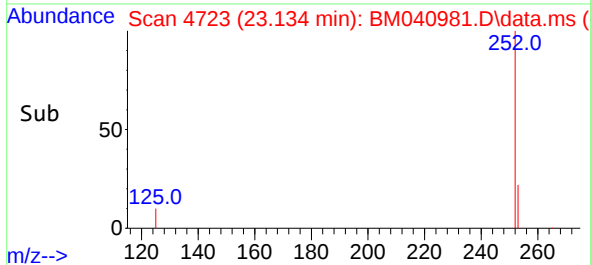
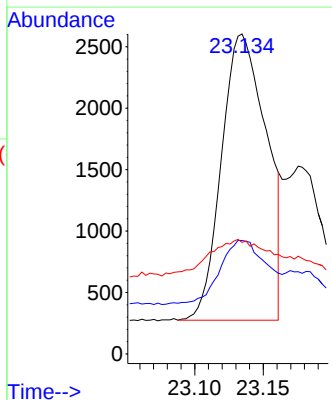
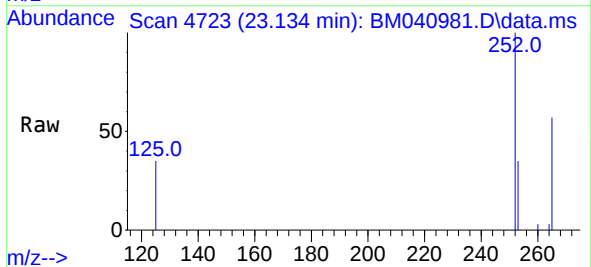
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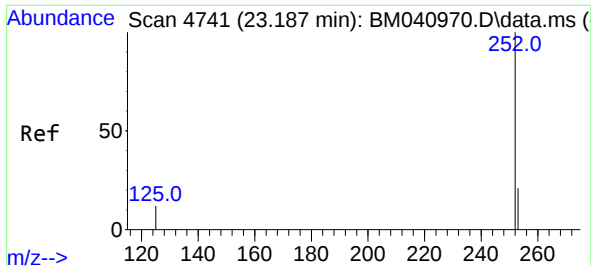
Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023



#24  
Benzo(b)fluoranthene  
Concen: 0.285 ng/u1  
RT: 23.134 min Scan# 4723  
Delta R.T. -0.000 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

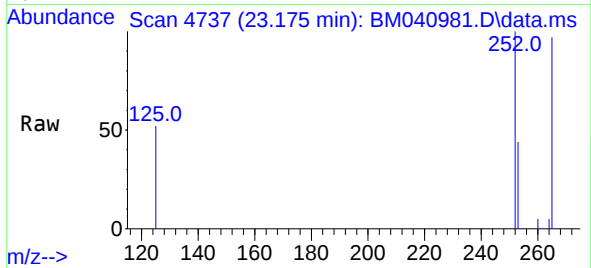
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Ion Ratio Lower Upper  
252 100  
253 35.4 0.0 57.4  
125 34.8 0.0 45.2





#25  
Benzo(k)fluoranthene  
Concen: 0.118 ng/ul m  
RT: 23.175 min Scan# 4741  
Delta R.T. -0.012 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

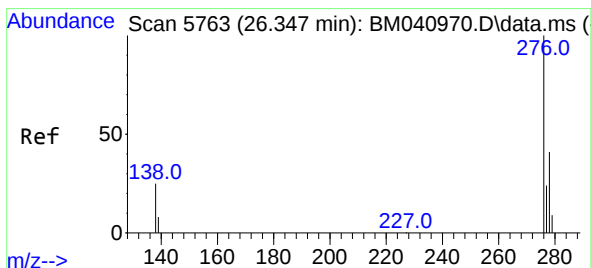
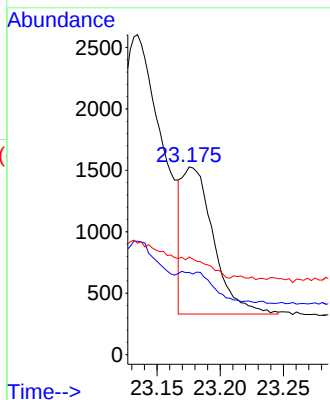
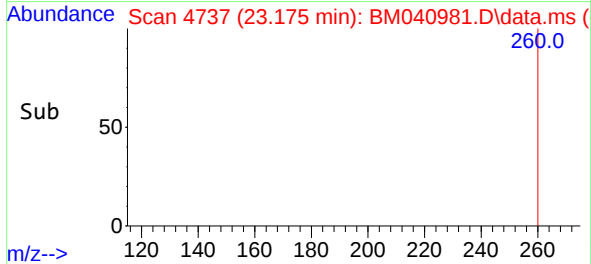
Instrument :  
BNA\_M  
ClientSampleId :  
A46N9



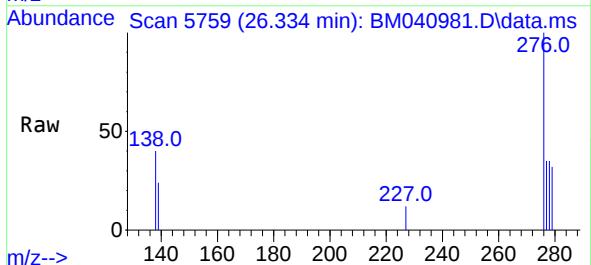
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Ion Ratio Lower Upper  
252 100  
253 43.8 23.3 34.9  
125 52.1 18.2 27.2

Manual Integrations  
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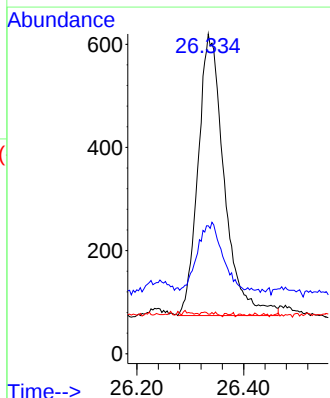
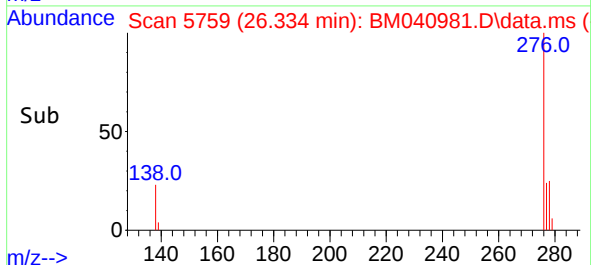
Reviewed By :Yogesh Patel 07/20/2023  
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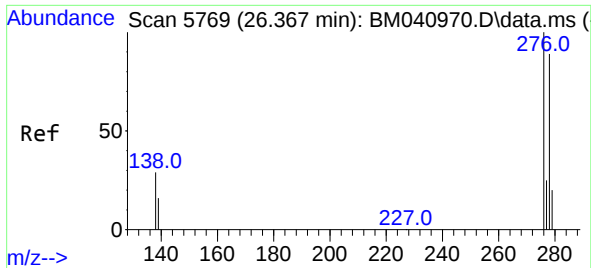


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.087 ng/ul  
RT: 26.334 min Scan# 5759  
Delta R.T. -0.017 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51



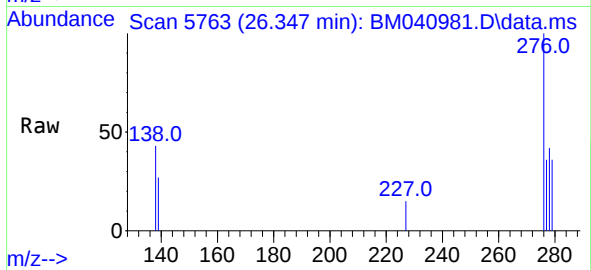
Tgt Ion:276 Resp: 1853  
Ion Ratio Lower Upper  
276 100  
138 25.9 22.3 33.5  
227 0.3 0.0 0.0





#28  
Dibenzo(a,h)anthracene  
Concen: 0.040 ng/ul  
RT: 26.347 min Scan# 51  
Delta R.T. -0.020 min  
Lab File: BM040981.D  
Acq: 20 Jul 2023 14:51

Instrument :  
BNA\_M  
ClientSampleId :  
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Tgt Ion:278 Resp: 640  
Ion Ratio Lower Upper  
278 100  
139 65.2 19.2 28.8  
279 87.0 27.0 40.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/20/2023  
Supervised By :Sohil Jodhani 07/20/2023

