

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070523\  
 Data File : BM040644.D  
 Acq On : 05 Jul 2023 17:05  
 Operator : MA/JU  
 Sample : 03245-18DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGH6DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023  
 Supervised By :Sohil Jodhani 07/05/2023

Quant Time: Jul 05 18:12:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 05 09:30:35 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.911  | 152  | 6712     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.718 | 136  | 24085    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.554 | 164  | 10972    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.303 | 188  | 20024    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.494 | 240  | 13628    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.897 | 264  | 14148    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.312  | 96   | 4100     | 0.389 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.312 | 152  | 896      | 0.027 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.333 | 212  | 1227     | 0.028 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.767 | 128  | 10435    | 0.157 | ng/ul  | 96       |
| 7) 2-Methylnaphthalene      | 12.384 | 142  | 4118     | 0.106 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.604 | 142  | 3299     | 0.085 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.276 | 152  | 15360    | 0.313 | ng/ul  | 97       |
| 11) Acenaphthene            | 14.619 | 153  | 7619     | 0.184 | ng/ul  | 99       |
| 12) Fluorene                | 15.604 | 166  | 7643     | 0.173 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.345 | 178  | 208847   | 3.358 | ng/ul  | 99       |
| 16) Anthracene              | 17.438 | 178  | 45289    | 0.866 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.366 | 202  | 473608   | 8.181 | ng/ul  | 94       |
| 20) Pyrene                  | 19.728 | 202  | 411529   | 6.631 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.477 | 228  | 191075   | 4.145 | ng/ul  | 99       |
| 22) Chrysene                | 21.529 | 228  | 172757   | 3.285 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.166 | 252  | 291903   | 5.331 | ng/ul  | 89       |
| 25) Benzo(k)fluoranthene    | 23.204 | 252  | 105685m  | 1.959 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.792 | 252  | 182721   | 3.705 | ng/ul# | 84       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.387 | 276  | 152128   | 2.215 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.394 | 278  | 33859    | 0.630 | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 27.158 | 276  | 136063   | 2.260 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

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

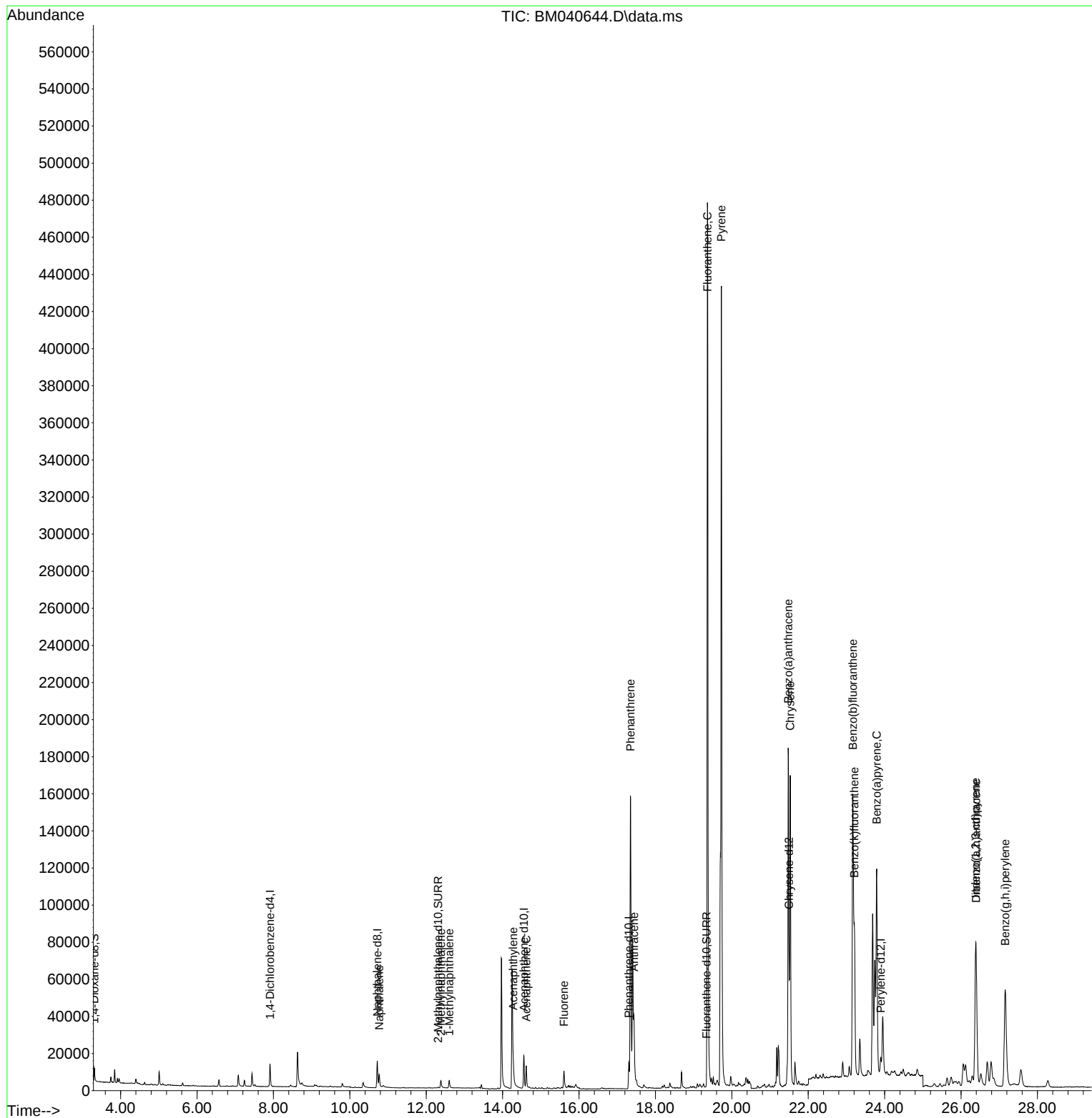
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070523\  
Data File : BM040644.D  
Acq On : 05 Jul 2023 17:05  
Operator : MA/JU  
Sample : 03245-18DL 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

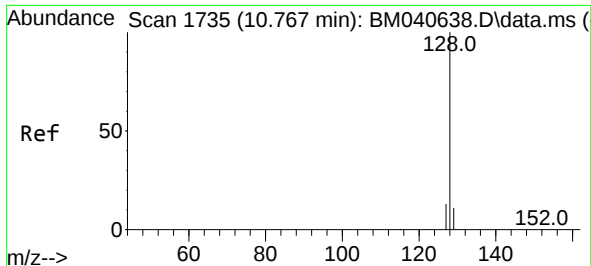
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL

Quant Time: Jul 05 18:12:30 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 05 09:30:35 2023  
Response via : Initial Calibration

Manual Integrations  
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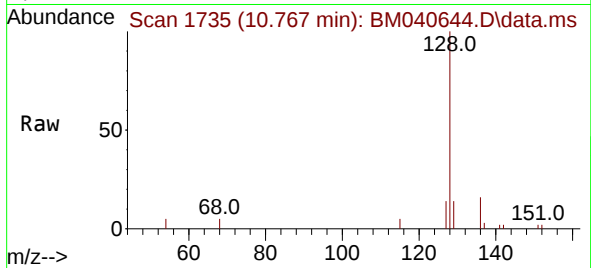
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023





#5  
Naphthalene  
Concen: 0.157 ng/ul  
RT: 10.767 min Scan# 1735  
Delta R.T. 0.001 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

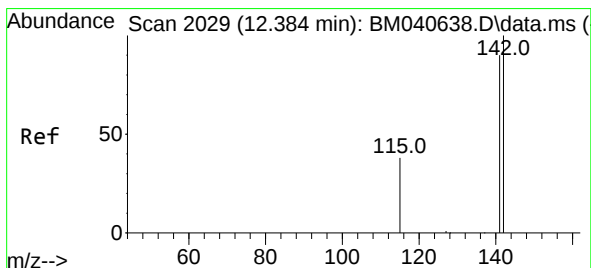
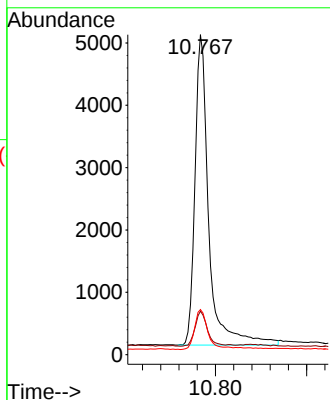
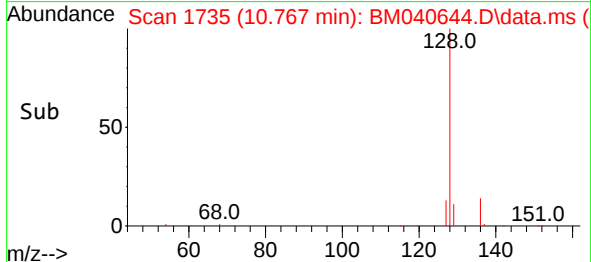
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion:128 Resp: 10435  
Ion Ratio Lower Upper  
128 100  
129 13.6 9.2 13.8  
127 14.1 10.6 15.8

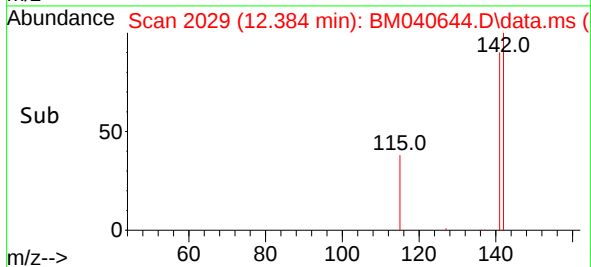
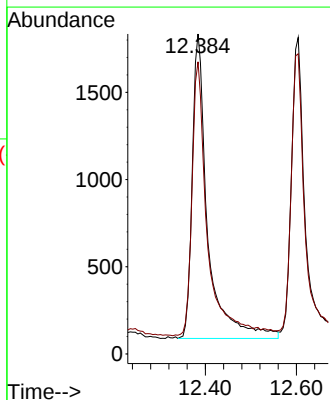
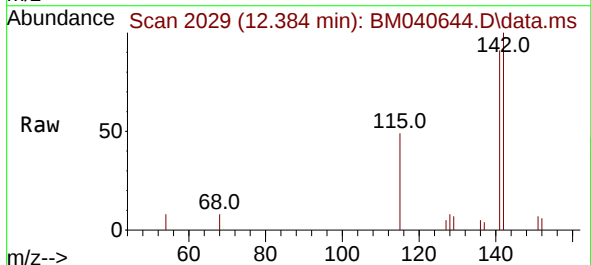
Manual Integrations  
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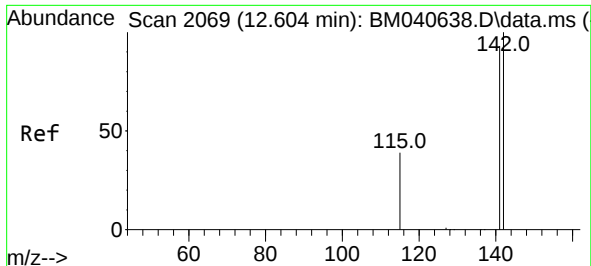
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023



#7  
2-Methylnaphthalene  
Concen: 0.106 ng/ul  
RT: 12.384 min Scan# 2029  
Delta R.T. 0.001 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

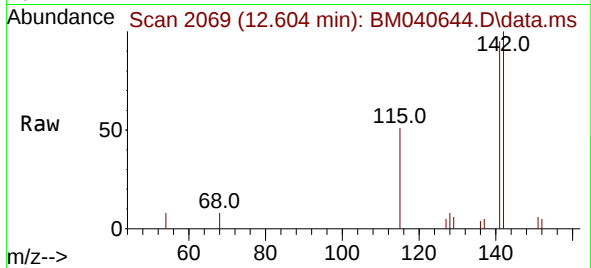
Tgt Ion:142 Resp: 4118  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.9 107.9





#8  
1-Methylnaphthalene  
Concen: 0.085 ng/ul  
RT: 12.604 min Scan# 2069  
Delta R.T. 0.001 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

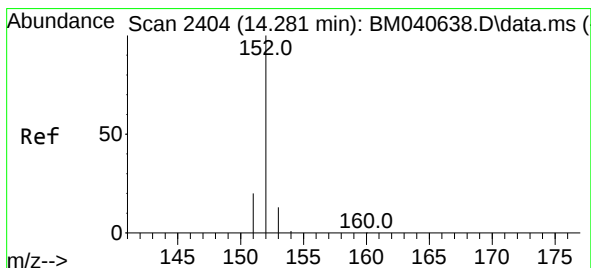
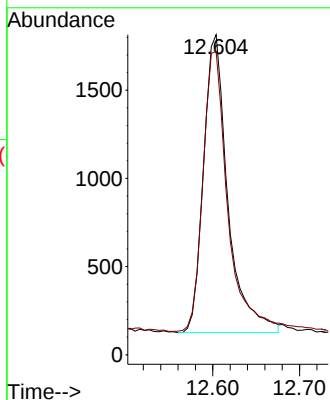
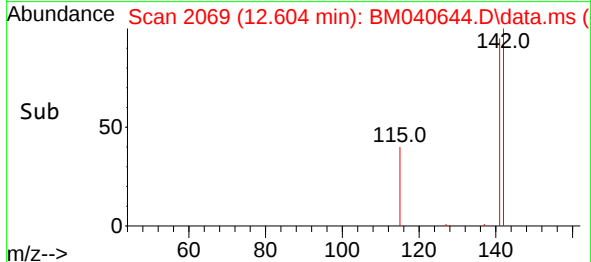
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



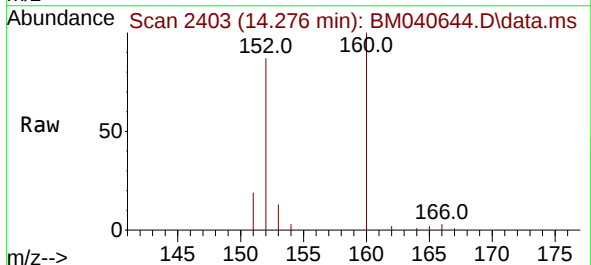
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Ion Ratio Lower Upper  
142 100  
141 95.5 73.7 110.5

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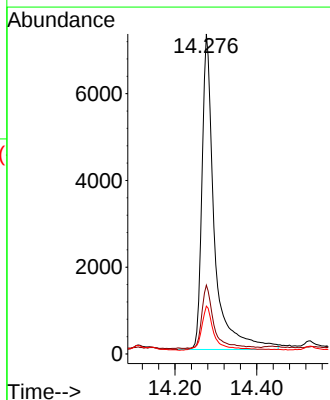
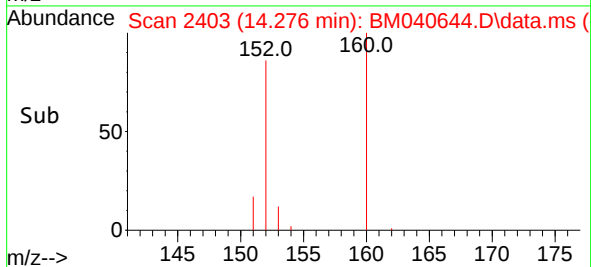
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023

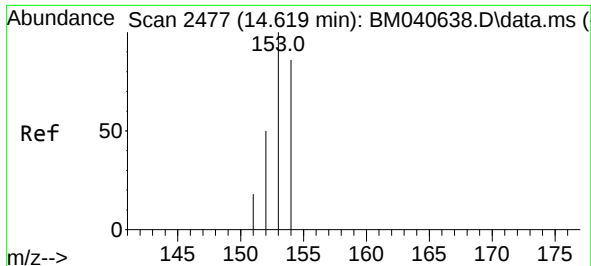


#10  
Acenaphthylene  
Concen: 0.313 ng/ul  
RT: 14.276 min Scan# 2403  
Delta R.T. -0.003 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05



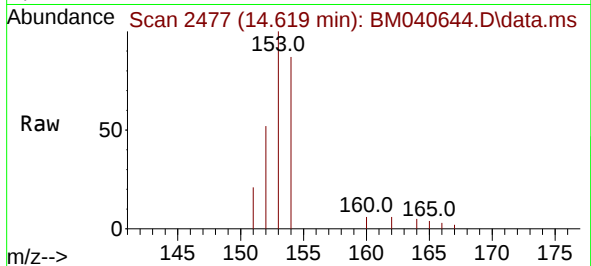
Tgt Ion:152 Resp: 15360  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.2 24.2  
153 15.0 10.9 16.3





#11  
Acenaphthene  
Concen: 0.184 ng/ul  
RT: 14.619 min Scan# 2477  
Delta R.T. 0.001 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

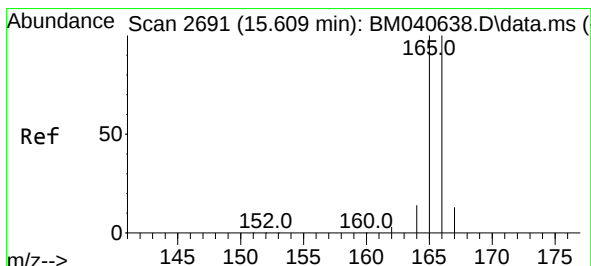
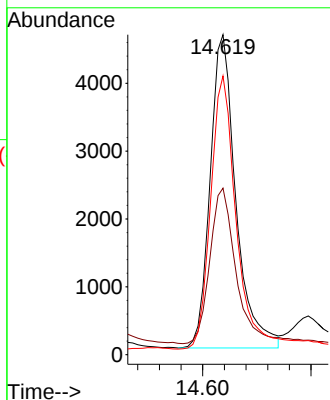
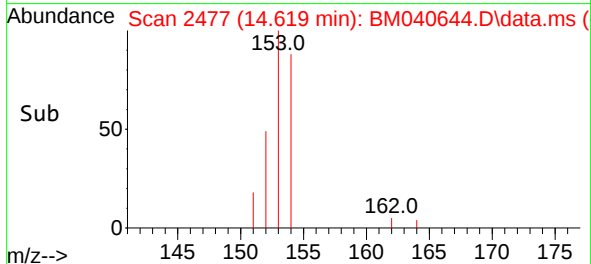
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion:153 Resp: 7619  
Ion Ratio Lower Upper  
153 100  
152 52.1 41.0 61.4  
154 87.1 70.8 106.2

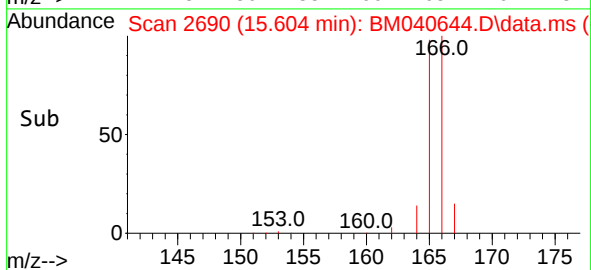
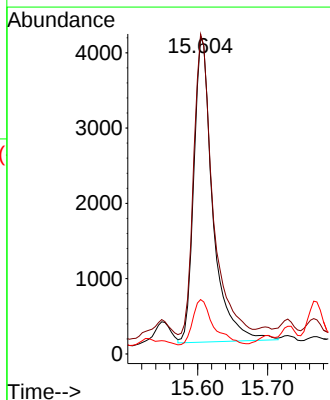
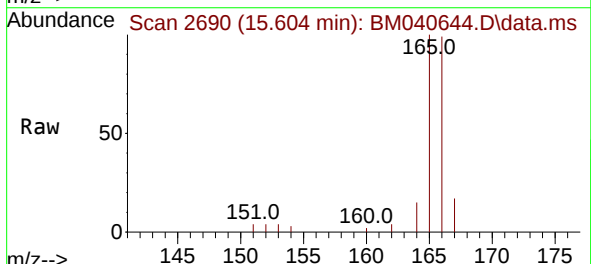
Manual Integrations  
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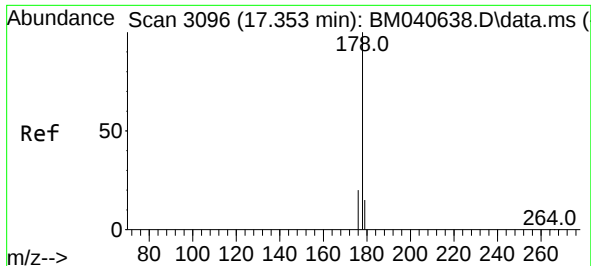
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023



#12  
Fluorene  
Concen: 0.173 ng/ul  
RT: 15.604 min Scan# 2690  
Delta R.T. -0.003 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

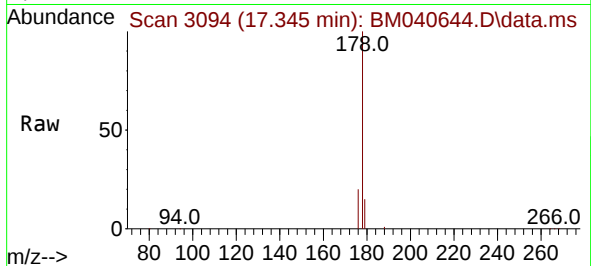
Tgt Ion:166 Resp: 7643  
Ion Ratio Lower Upper  
166 100  
165 100.7 79.6 119.4  
167 17.1 11.4 17.0#





#15  
Phenanthrene  
Concen: 3.358 ng/ul  
RT: 17.345 min Scan# 3096  
Delta R.T. -0.007 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

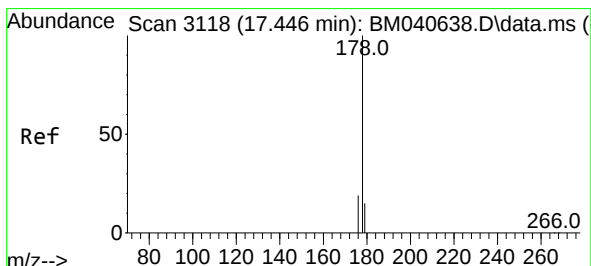
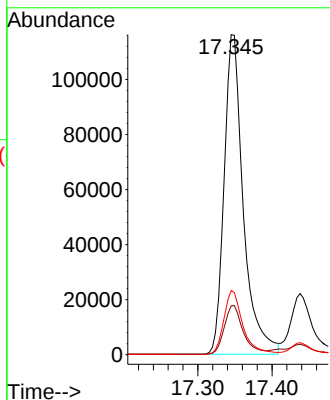
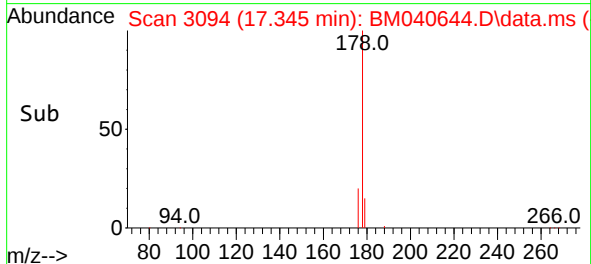
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion:178 Resp: 20884  
Ion Ratio Lower Upper  
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179 15.3 12.8 19.2  
176 20.1 16.4 24.6

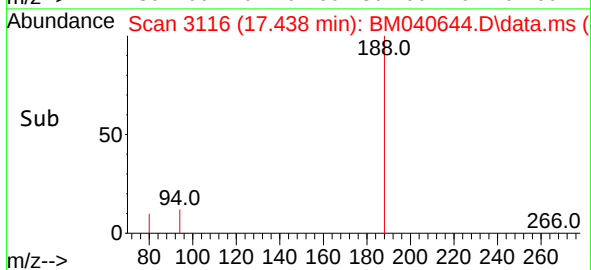
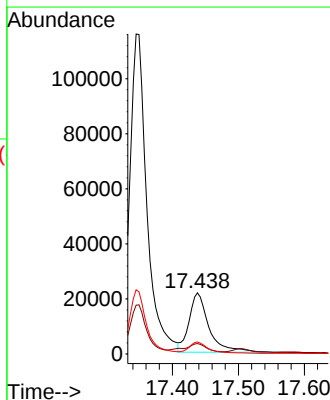
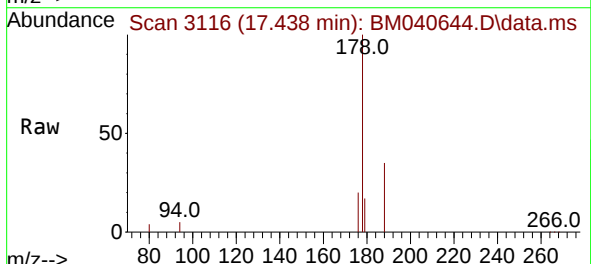
Manual Integrations  
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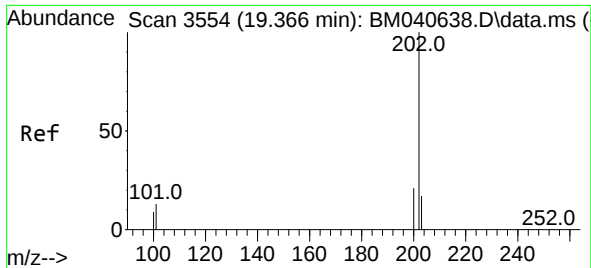
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023



#16  
Anthracene  
Concen: 0.866 ng/ul  
RT: 17.438 min Scan# 3116  
Delta R.T. -0.007 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

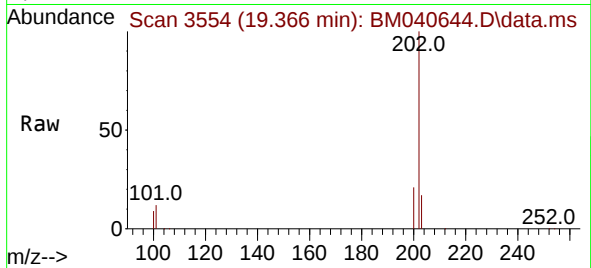
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Ion Ratio Lower Upper  
178 100  
179 17.2 12.9 19.3  
176 19.8 15.8 23.6





#19  
Fluoranthene  
Concen: 8.181 ng/ul  
RT: 19.366 min Scan# 3554  
Delta R.T. -0.003 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

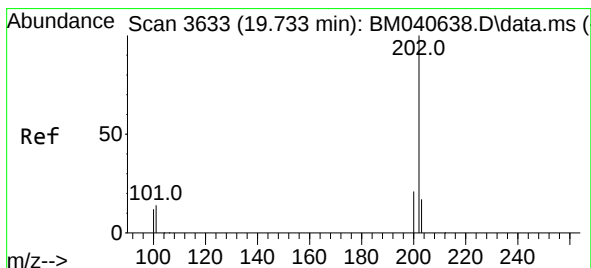
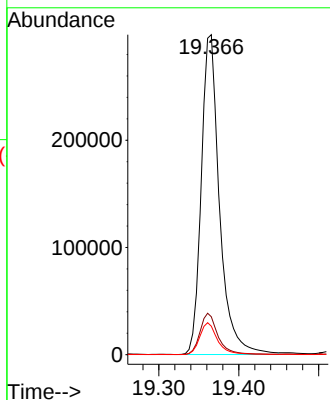
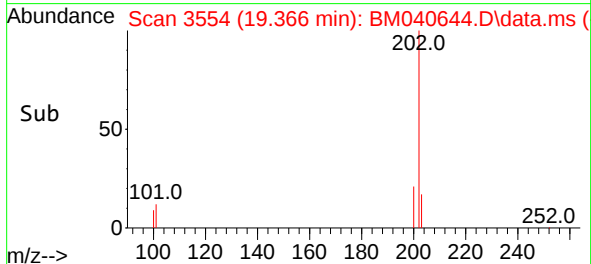
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



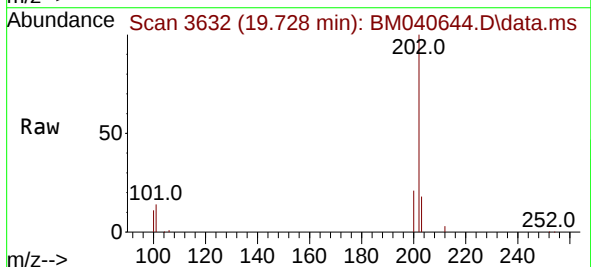
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Ion Ratio Lower Upper  
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101 11.9 11.4 17.0  
100 8.9 8.7 13.1

Manual Integrations  
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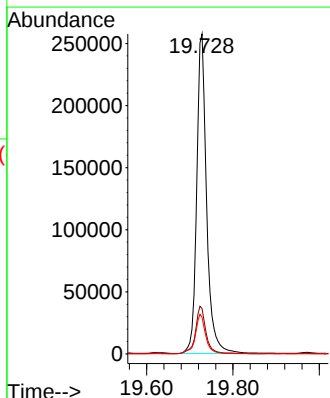
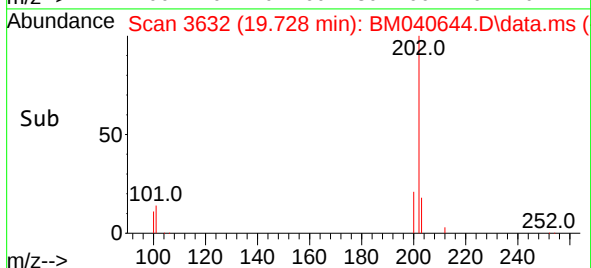
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023

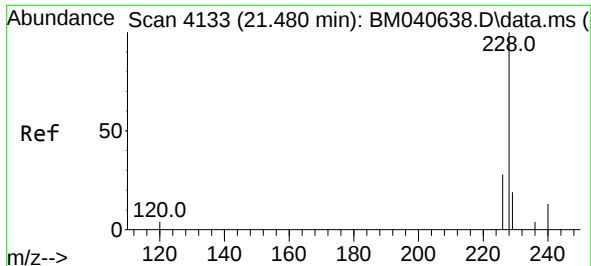


#20  
Pyrene  
Concen: 6.631 ng/ul  
RT: 19.728 min Scan# 3632  
Delta R.T. -0.003 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05



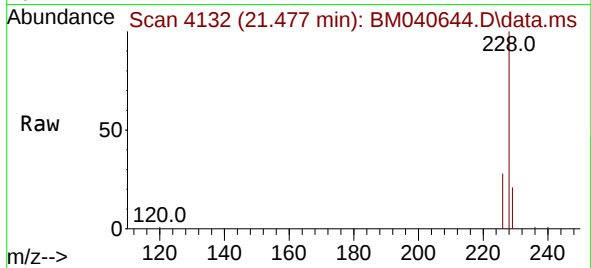
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Ion Ratio Lower Upper  
202 100  
101 14.2 12.6 18.8  
100 11.5 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 4.145 ng/ul  
RT: 21.477 min Scan# 4133  
Delta R.T. -0.002 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

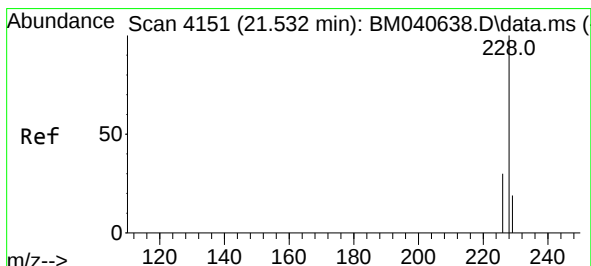
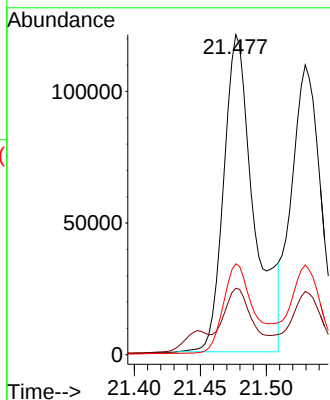
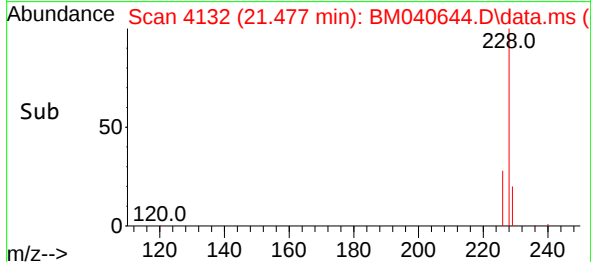
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion:228 Resp: 191075  
Ion Ratio Lower Upper  
228 100  
229 20.8 16.0 24.0  
226 28.4 22.3 33.5

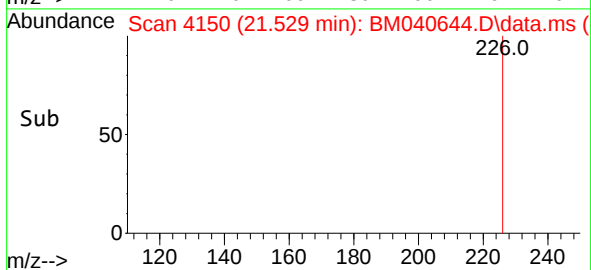
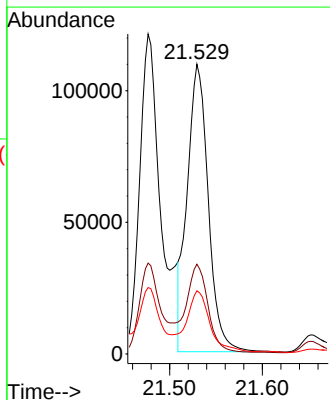
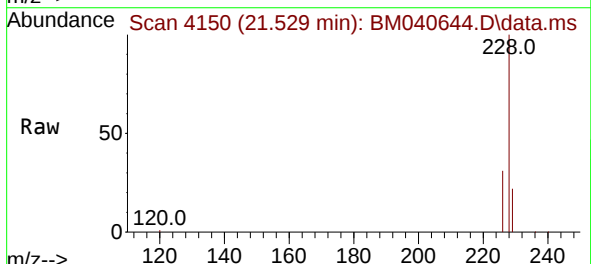
Manual Integrations  
APPROVED

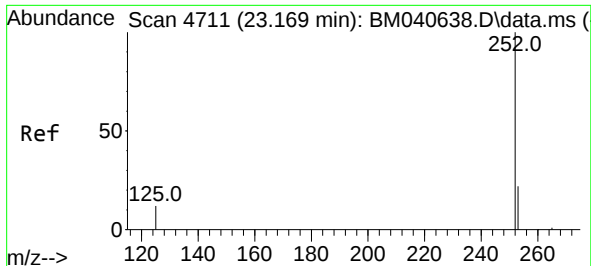
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023



#22  
Chrysene  
Concen: 3.285 ng/ul  
RT: 21.529 min Scan# 4150  
Delta R.T. -0.002 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

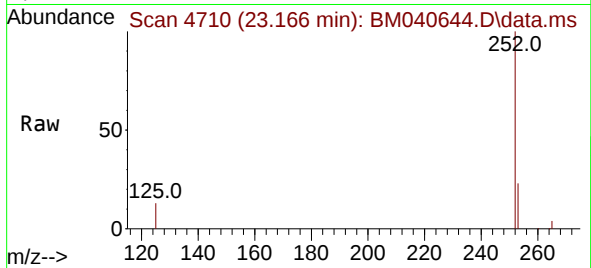
Tgt Ion:228 Resp: 172757  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.9 37.3  
229 21.8 15.8 23.6





#24  
Benzo(b)fluoranthene  
Concen: 5.331 ng/ul  
RT: 23.166 min Scan# 4711  
Delta R.T. -0.002 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

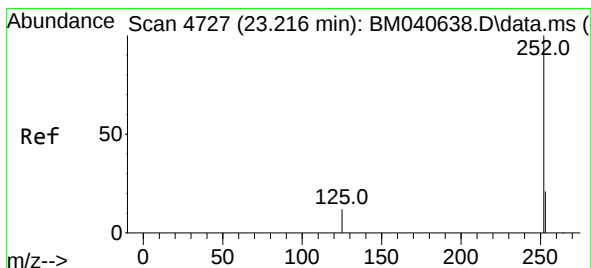
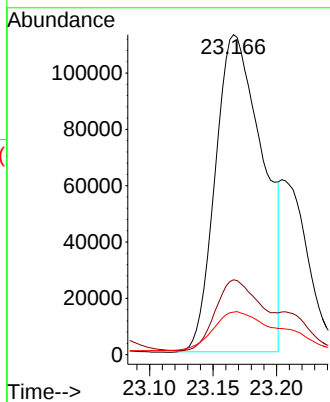
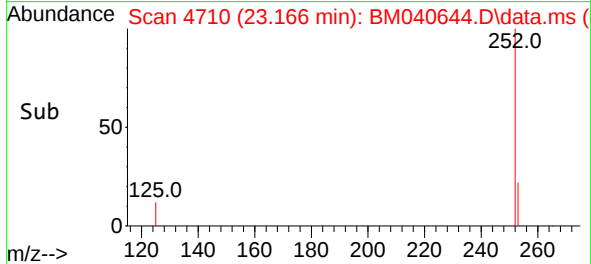
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion:252 Resp: 29190  
Ion Ratio Lower Upper  
252 100  
253 23.4 0.0 52.8  
125 13.3 0.0 43.0

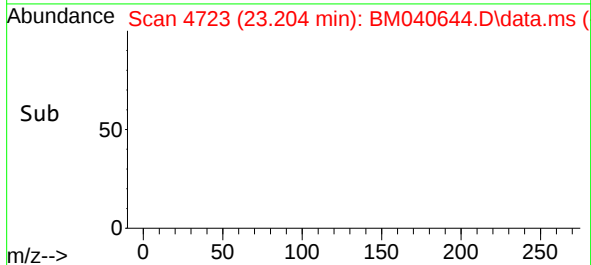
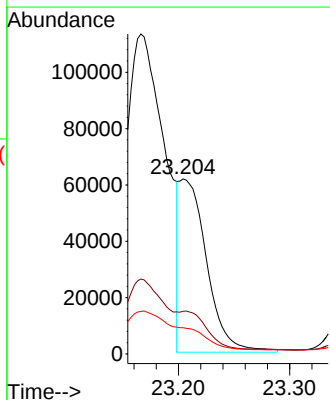
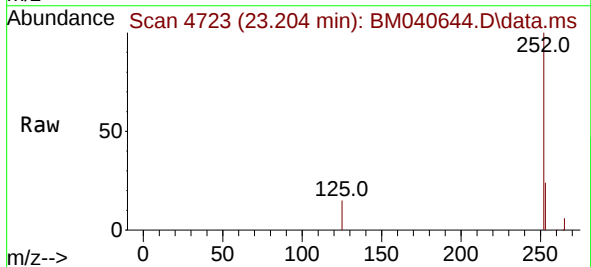
Manual Integrations  
APPROVED

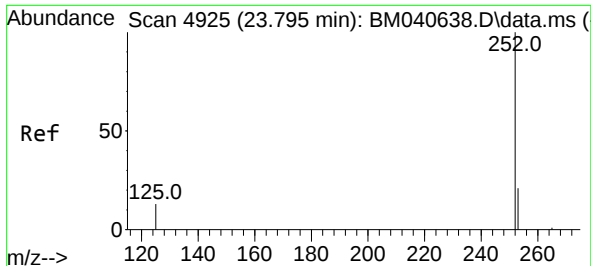
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023



#25  
Benzo(k)fluoranthene  
Concen: 1.959 ng/ul m  
RT: 23.204 min Scan# 4723  
Delta R.T. -0.007 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

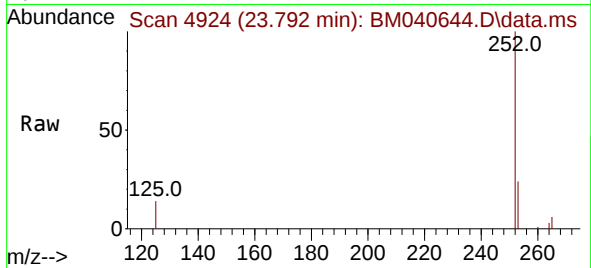
Tgt Ion:252 Resp: 105685  
Ion Ratio Lower Upper  
252 100  
253 24.4 21.2 31.8  
125 15.0 16.4 24.6#





#26  
Benzo(a)pyrene  
Concen: 3.705 ng/ul  
RT: 23.792 min Scan# 4925  
Delta R.T. -0.002 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

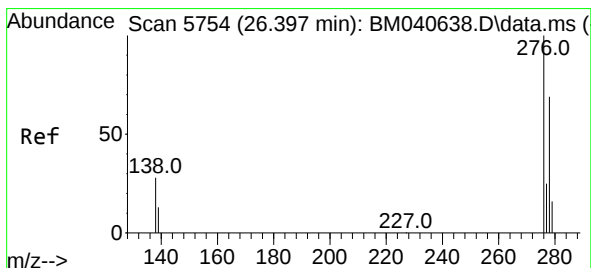
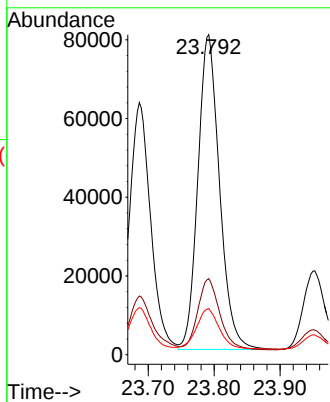
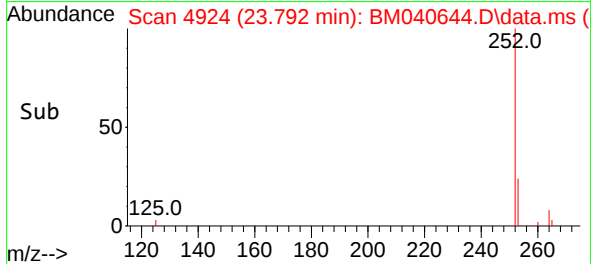
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion:252 Resp: 18272  
Ion Ratio Lower Upper  
252 100  
253 23.8 22.9 34.3  
125 14.4 21.0 31.4

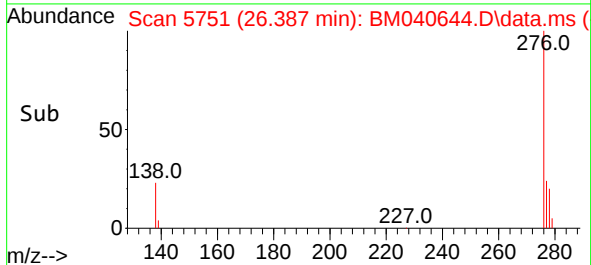
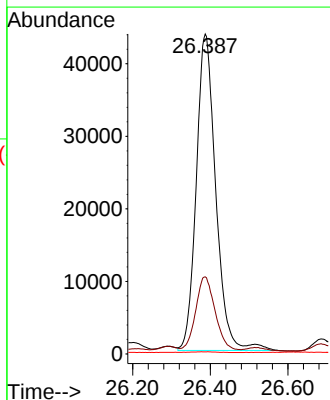
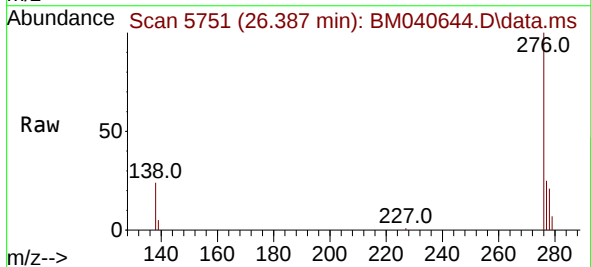
Manual Integrations  
APPROVED

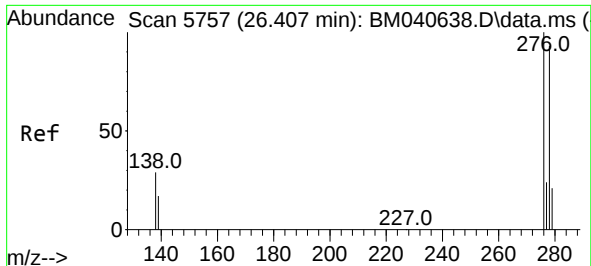
Reviewed By :Yogesh Patel 07/05/2023  
Supervised By :Sohil Jodhani 07/05/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 2.215 ng/ul  
RT: 26.387 min Scan# 5751  
Delta R.T. -0.002 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

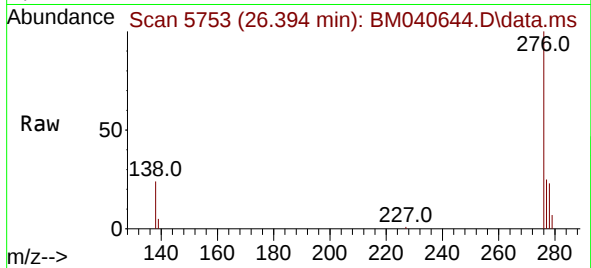
Tgt Ion:276 Resp: 152128  
Ion Ratio Lower Upper  
276 100  
138 22.9 24.5 36.7#  
227 0.3 0.1 0.1#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.630 ng/ul  
RT: 26.394 min Scan# 5753  
Delta R.T. -0.015 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

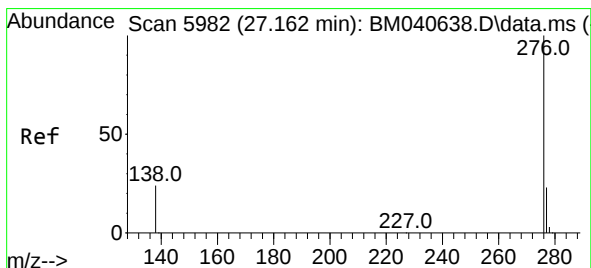
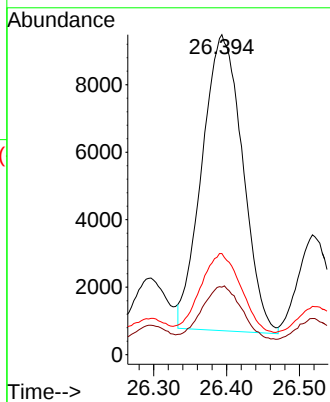
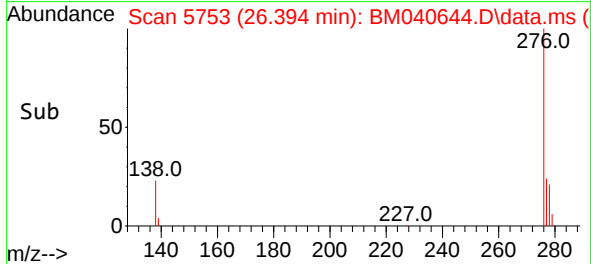
Instrument :  
BNA\_M  
ClientSampleId :  
DCGH6DL



Tgt Ion: 278 Resp: 3385  
Ion Ratio Lower Upper  
278 100  
139 21.1 17.9 26.9  
279 31.6 22.0 33.0

Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 07/05/2023  
Supervised By : Sohil Jodhani 07/05/2023



#29  
Benzo(g,h,i)perylene  
Concen: 2.260 ng/ul  
RT: 27.158 min Scan# 5981  
Delta R.T. -0.005 min  
Lab File: BM040644.D  
Acq: 05 Jul 2023 17:05

Tgt Ion: 276 Resp: 136063  
Ion Ratio Lower Upper  
276 100  
138 25.2 23.0 34.6  
277 24.6 20.3 30.5

