

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061623\  
 Data File : BM040297.D  
 Acq On : 17 Jun 2023 01:11  
 Operator : MA/JU  
 Sample : 03080-10DL 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCFH9DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/19/2023  
 Supervised By :mohammad ahmed 06/20/2023

Quant Time: Jun 17 02:48:26 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 15 00:31:16 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.970  | 152  | 9604     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.778 | 136  | 31621    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.610 | 164  | 13926    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.349 | 188  | 24146    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.526 | 240  | 17065    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.950 | 264  | 19777    | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.350  | 96   | 9617     | 0.811 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.367 | 152  | 1809     | 0.045 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.375 | 212  | 2433     | 0.057 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.828 | 128  | 3391     | 0.045 | ng/ul# | 89       |
| 7) 2-Methylnaphthalene      | 12.439 | 142  | 1488     | 0.032 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.659 | 142  | 1069     | 0.022 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.327 | 152  | 5889     | 0.121 | ng/ul# | 94       |
| 11) Acenaphthene            | 14.670 | 153  | 1163     | 0.028 | ng/ul  | 93       |
| 12) Fluorene                | 15.655 | 166  | 1097     | 0.024 | ng/ul# | 87       |
| 15) Phenanthrene            | 17.391 | 178  | 26607    | 0.419 | ng/ul  | 100      |
| 16) Anthracene              | 17.484 | 178  | 5646     | 0.105 | ng/ul# | 94       |
| 19) Fluoranthene            | 19.403 | 202  | 79092    | 1.361 | ng/ul  | 98       |
| 20) Pyrene                  | 19.765 | 202  | 74501    | 1.234 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.509 | 228  | 36911    | 0.733 | ng/ul  | 97       |
| 22) Chrysene                | 21.562 | 228  | 49242    | 0.925 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.210 | 252  | 94326    | 1.294 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.254 | 252  | 36390m   | 0.530 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.841 | 252  | 59152    | 0.989 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.461 | 276  | 57575    | 0.760 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 26.477 | 278  | 13558    | 0.223 | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 27.242 | 276  | 54906    | 0.868 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

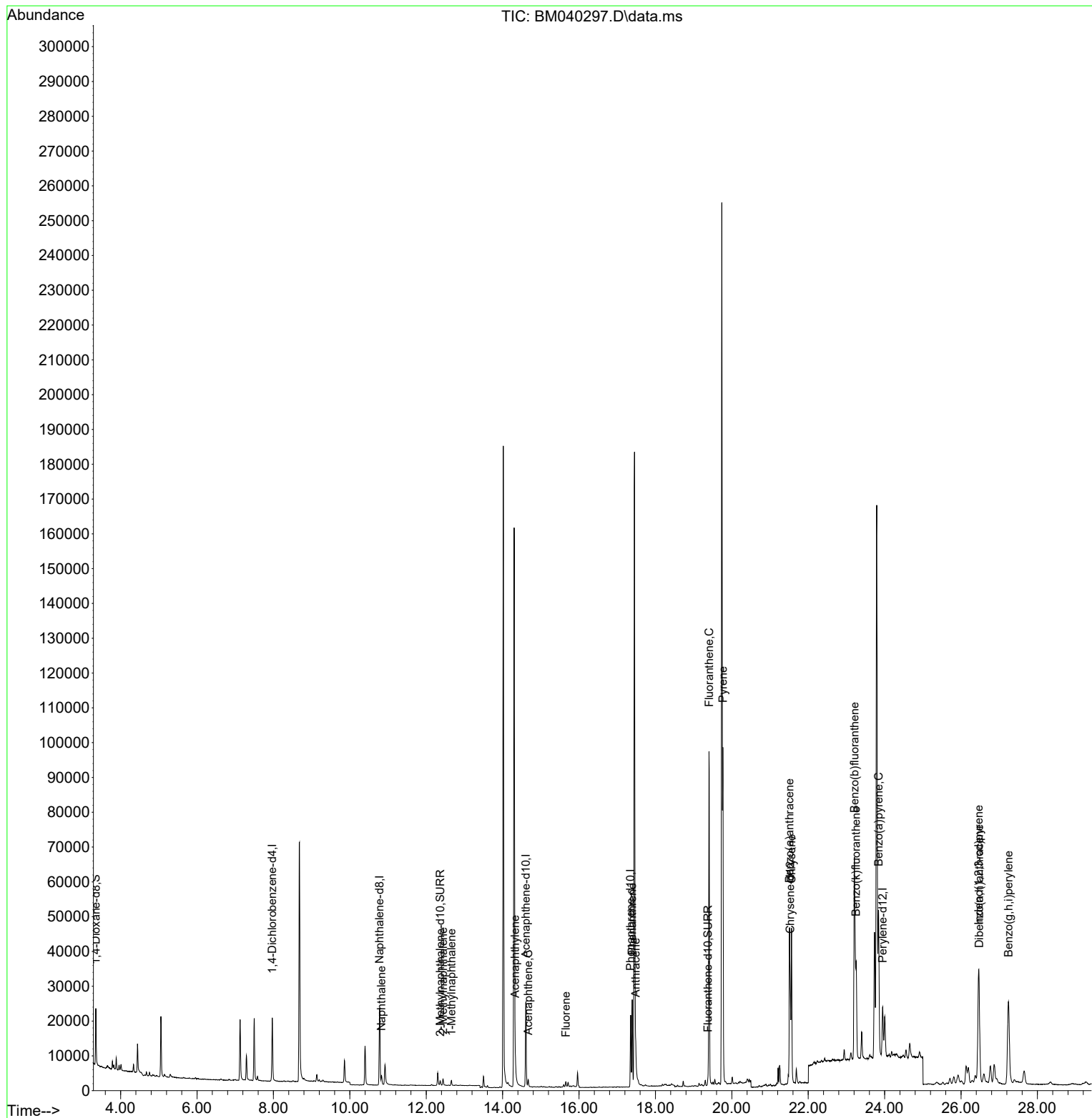
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM061623\  
Data File : BM040297.D  
Acq On : 17 Jun 2023 01:11  
Operator : MA/JU  
Sample : 03080-10DL 5X  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

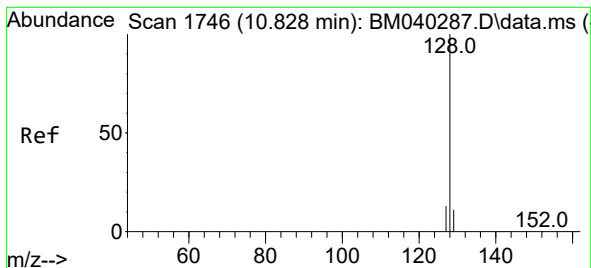
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

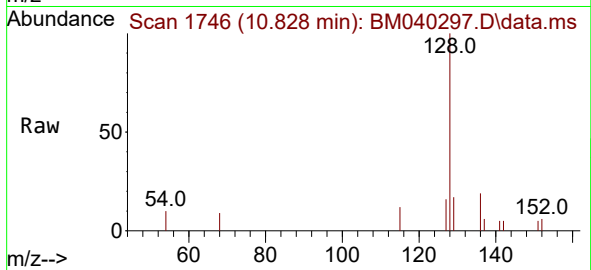
Quant Time: Jun 17 02:48:26 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM061423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 15 00:31:16 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.045 ng/ul  
RT: 10.828 min Scan# 1746  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

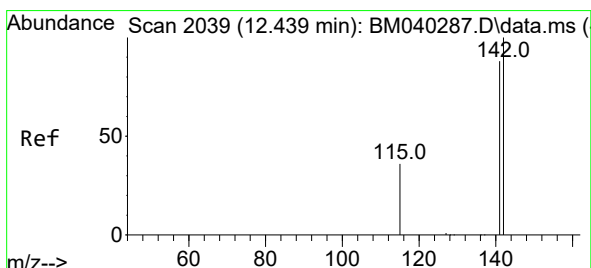
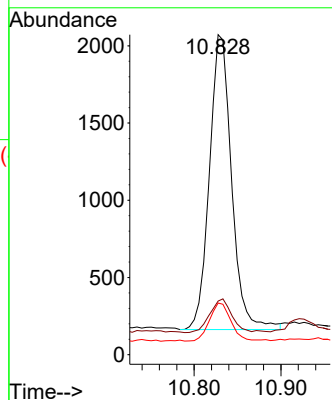
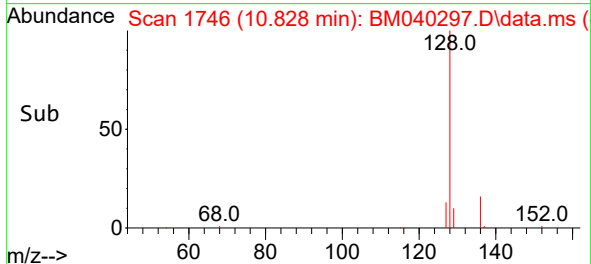
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



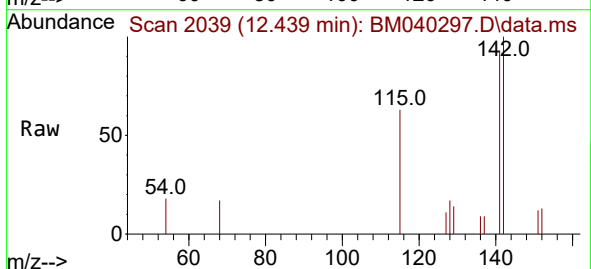
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Ion Ratio Lower Upper  
128 100  
129 16.7 9.1 13.7  
127 16.2 10.4 15.6

Manual Integrations  
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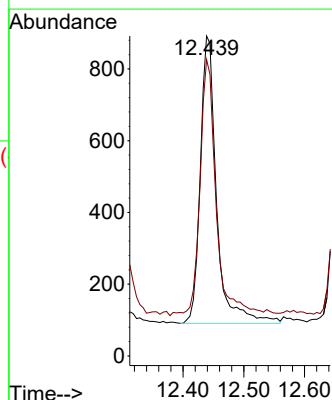
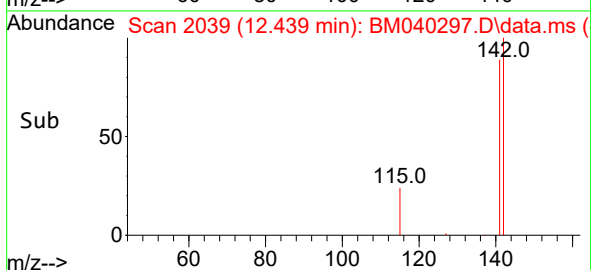
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

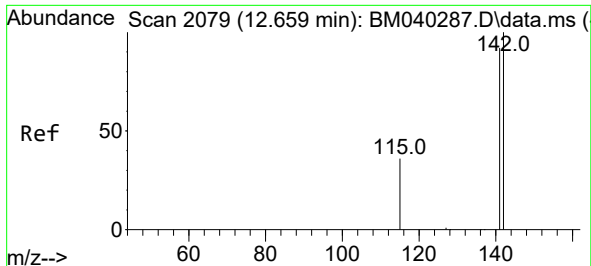


#7  
2-Methylnaphthalene  
Concen: 0.032 ng/ul  
RT: 12.439 min Scan# 2039  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11



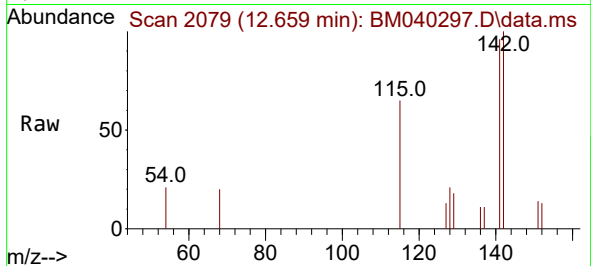
Tgt Ion:142 Resp: 1488  
Ion Ratio Lower Upper  
142 100  
141 89.4 70.6 106.0





#8  
1-Methylnaphthalene  
Concen: 0.022 ng/ul  
RT: 12.659 min Scan# 2079  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

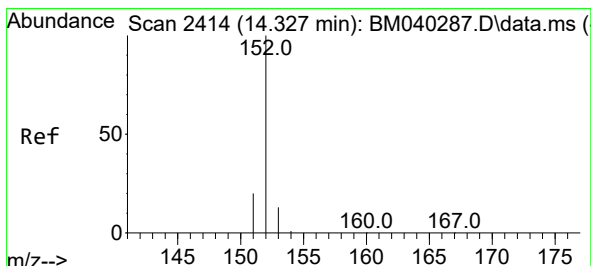
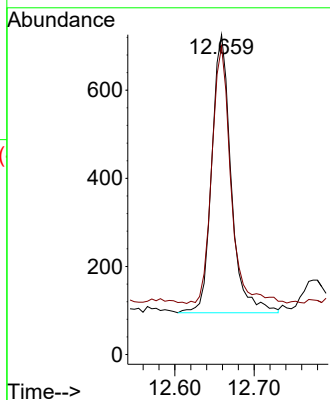
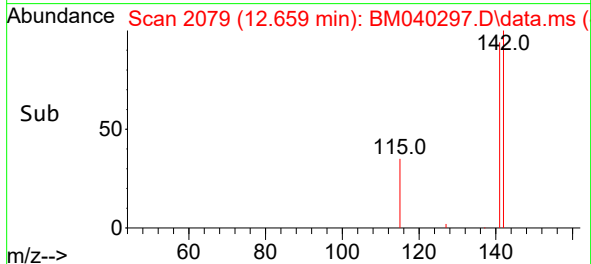
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



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Ion Ratio Lower Upper  
142 100  
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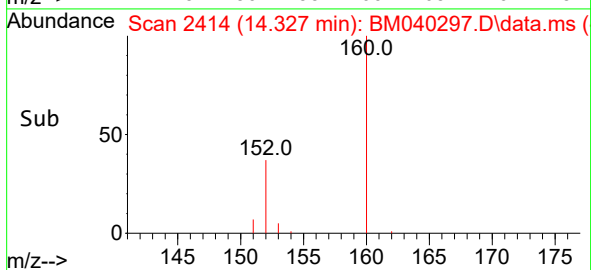
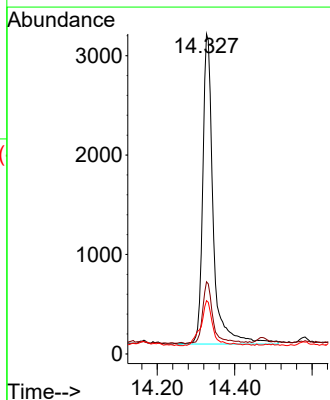
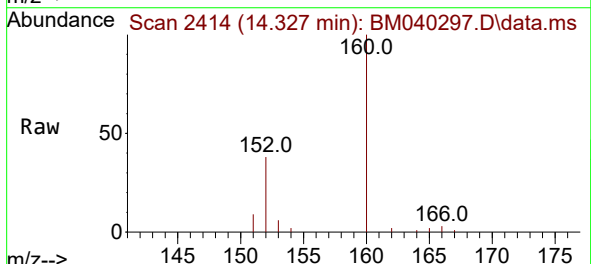
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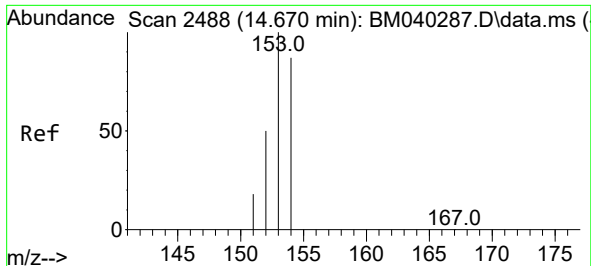
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#10  
Acenaphthylene  
Concen: 0.121 ng/ul  
RT: 14.327 min Scan# 2414  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

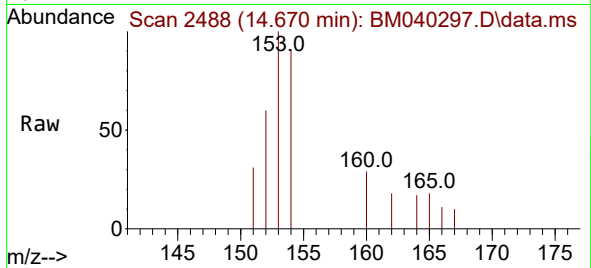
Tgt Ion:152 Resp: 5889  
Ion Ratio Lower Upper  
152 100  
151 22.6 16.3 24.5  
153 16.7 10.7 16.1#





#11  
Acenaphthene  
Concen: 0.028 ng/ul  
RT: 14.670 min Scan# 2488  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

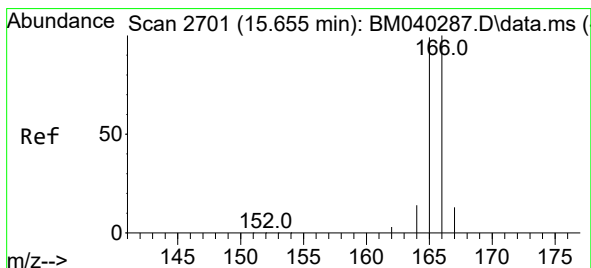
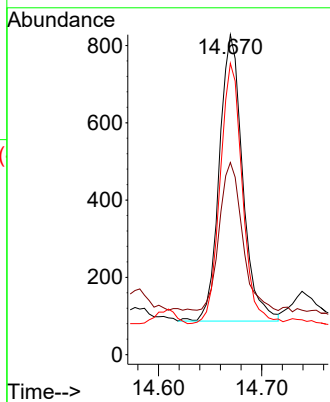
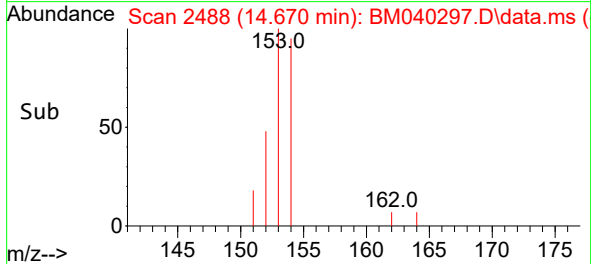
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



Tgt Ion:153 Resp: 116  
Ion Ratio Lower Upper  
153 100  
152 60.0 40.3 60.5  
154 91.1 70.5 105.7

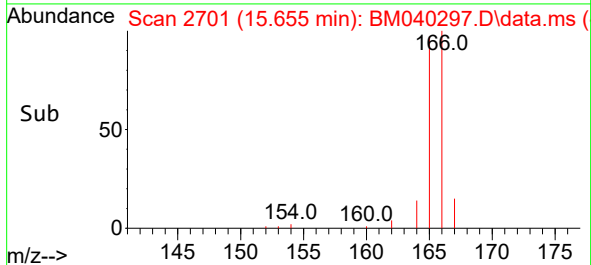
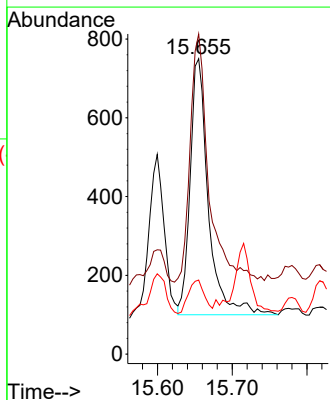
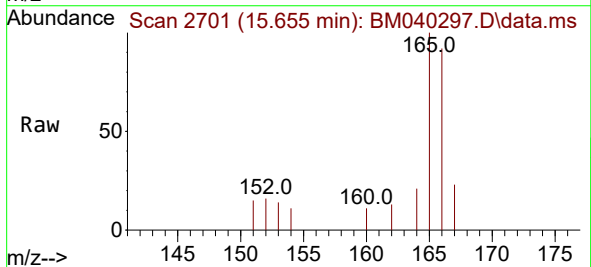
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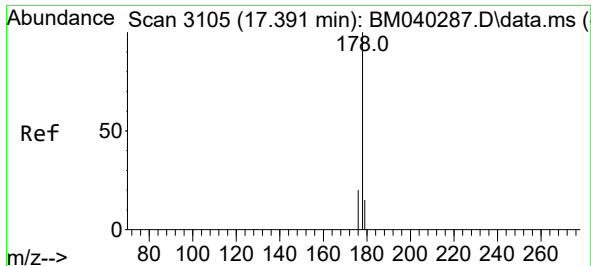
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#12  
Fluorene  
Concen: 0.024 ng/ul  
RT: 15.655 min Scan# 2701  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

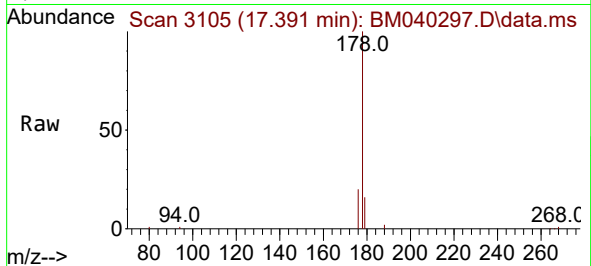
Tgt Ion:166 Resp: 1097  
Ion Ratio Lower Upper  
166 100  
165 108.4 78.2 117.4  
167 25.1 11.0 16.4#





#15  
Phenanthrene  
Concen: 0.419 ng/ul  
RT: 17.391 min Scan# 3105  
Delta R.T. -0.004 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

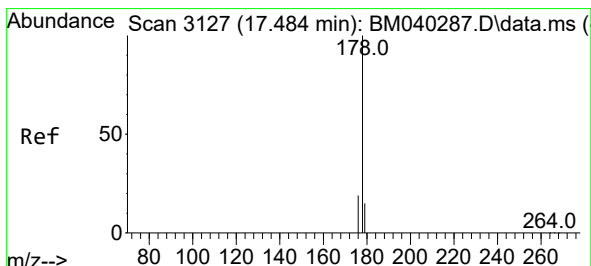
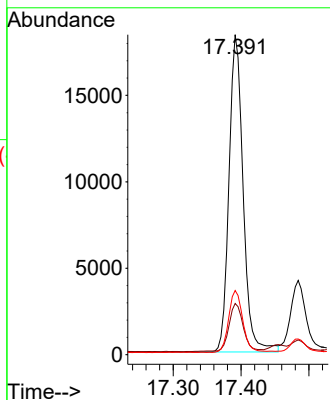
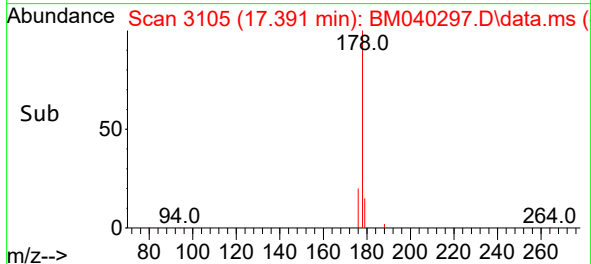
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



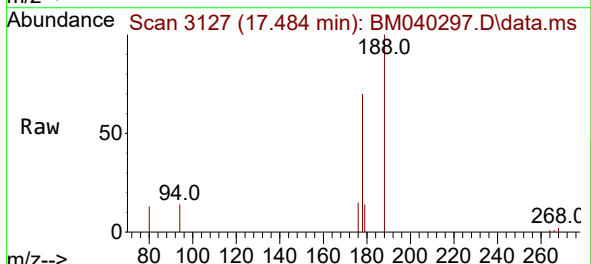
Tgt Ion:178 Resp: 2660  
Ion Ratio Lower Upper  
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176 20.1 16.1 24.1

Manual Integrations  
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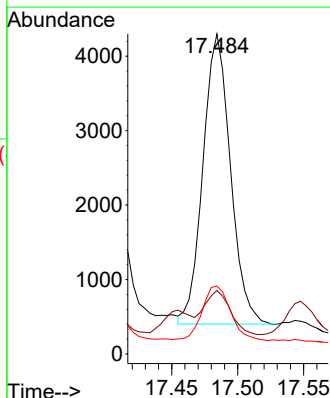
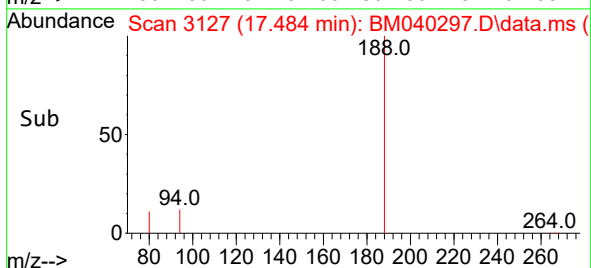
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

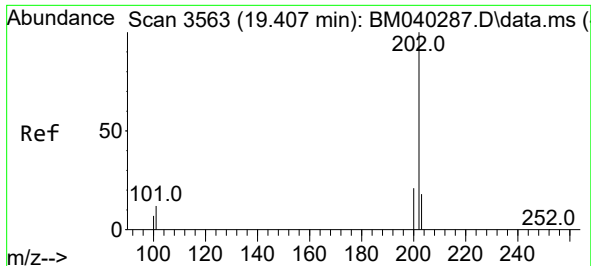


#16  
Anthracene  
Concen: 0.105 ng/ul  
RT: 17.484 min Scan# 3127  
Delta R.T. -0.004 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11



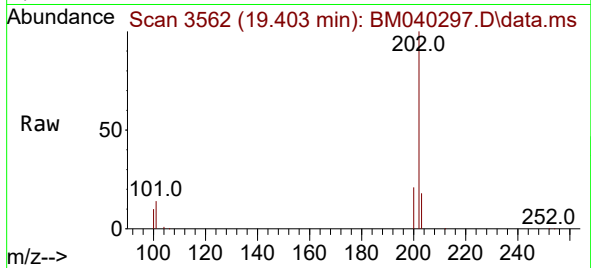
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Ion Ratio Lower Upper  
178 100  
179 19.8 13.0 19.4#  
176 21.2 15.5 23.3





#19  
Fluoranthene  
Concen: 1.361 ng/ul  
RT: 19.403 min Scan# 3562  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

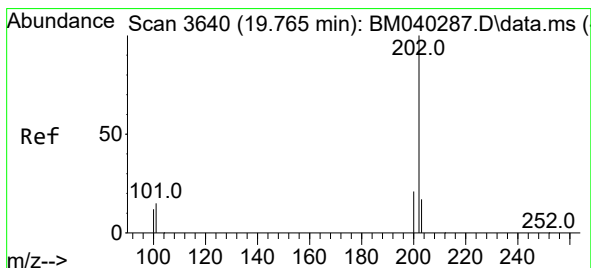
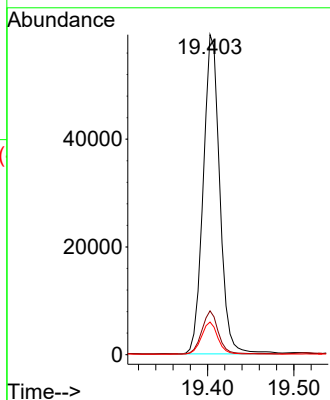
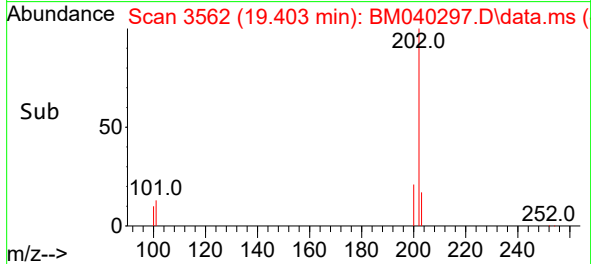
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



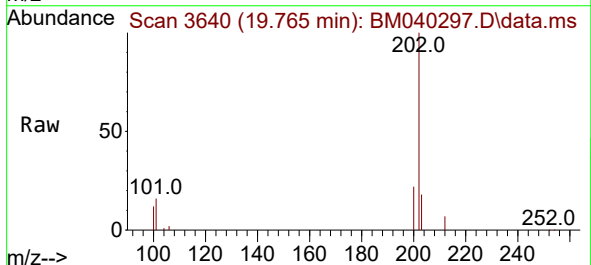
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101 13.7 10.2 15.4  
100 10.2 7.6 11.4

Manual Integrations  
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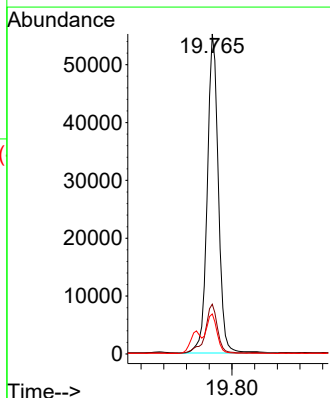
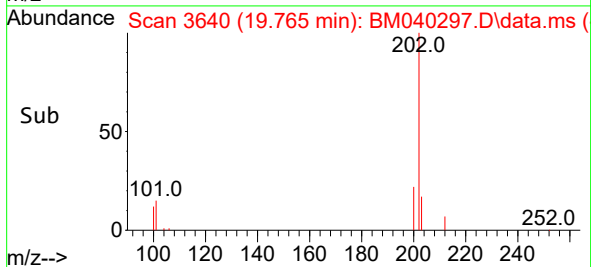
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

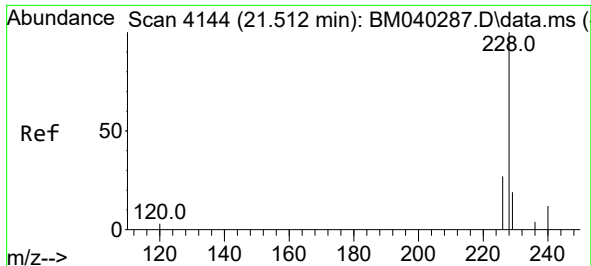


#20  
Pyrene  
Concen: 1.234 ng/ul  
RT: 19.765 min Scan# 3640  
Delta R.T. -0.005 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11



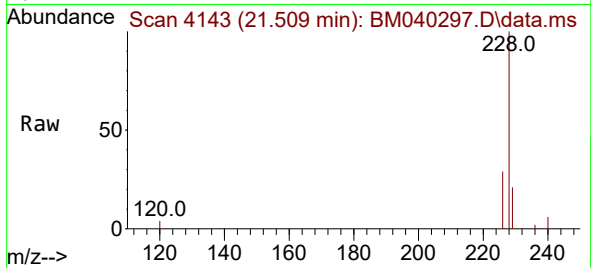
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Ion Ratio Lower Upper  
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101 15.5 11.8 17.8  
100 12.5 9.3 13.9





#21  
Benzo(a)anthracene  
Concen: 0.733 ng/ul  
RT: 21.509 min Scan# 4144  
Delta R.T. -0.006 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

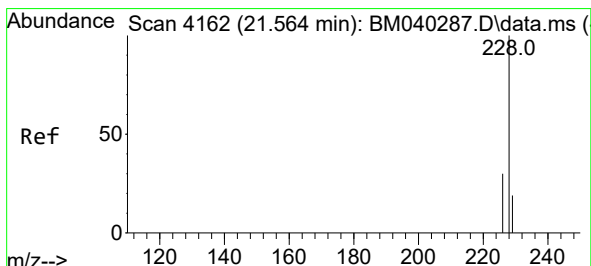
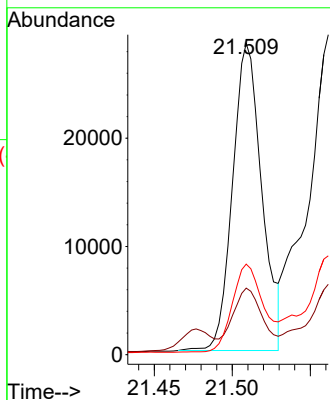
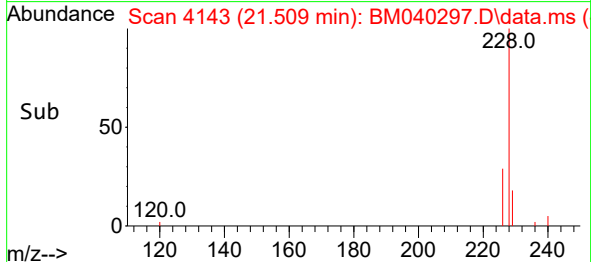
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



Tgt Ion:228 Resp: 3691  
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229 21.4 15.8 23.8  
226 29.1 22.0 33.0

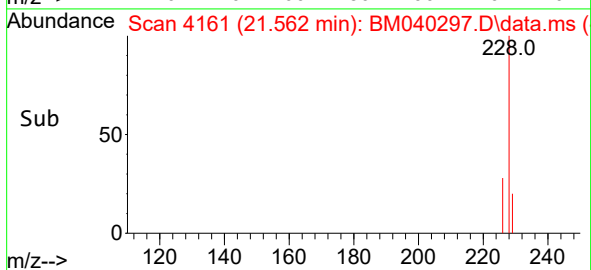
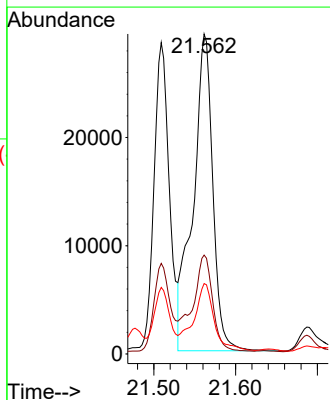
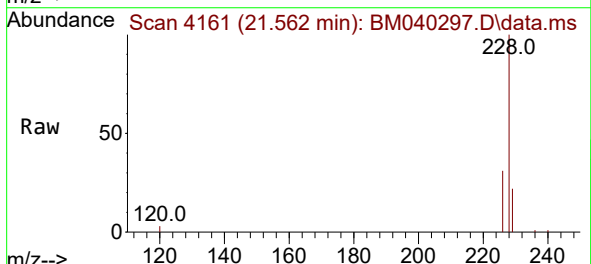
Manual Integrations  
APPROVED

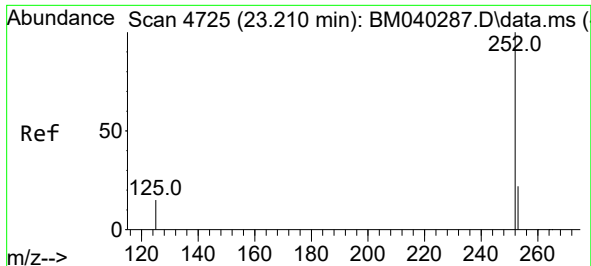
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#22  
Chrysene  
Concen: 0.925 ng/ul  
RT: 21.562 min Scan# 4161  
Delta R.T. -0.009 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

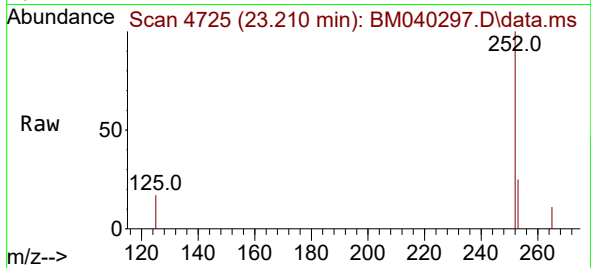
Tgt Ion:228 Resp: 49242  
Ion Ratio Lower Upper  
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226 30.9 24.3 36.5  
229 22.0 15.7 23.5





#24  
Benzo(b)fluoranthene  
Concen: 1.294 ng/ul  
RT: 23.210 min Scan# 4725  
Delta R.T. -0.006 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

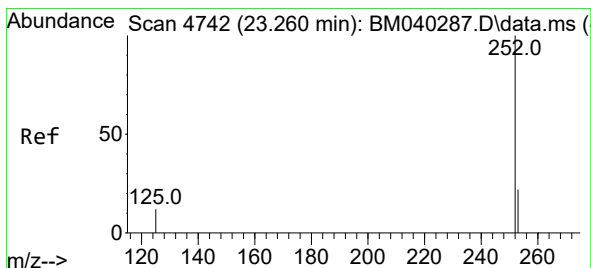
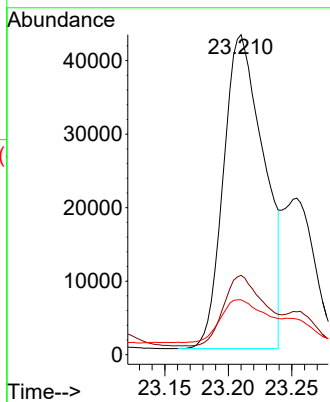
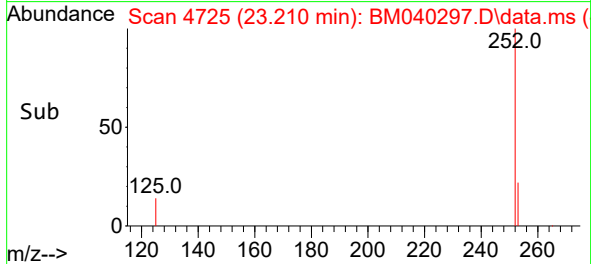
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



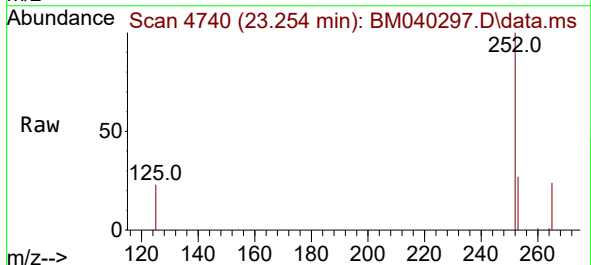
Tgt Ion:252 Resp: 94320  
Ion Ratio Lower Upper  
252 100  
253 24.8 0.0 52.4  
125 17.2 0.0 38.4

Manual Integrations  
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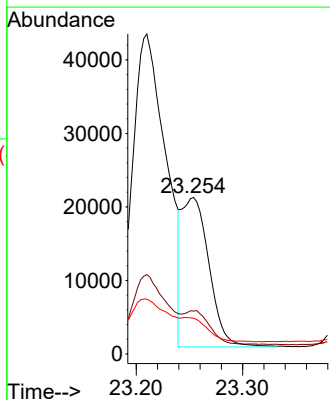
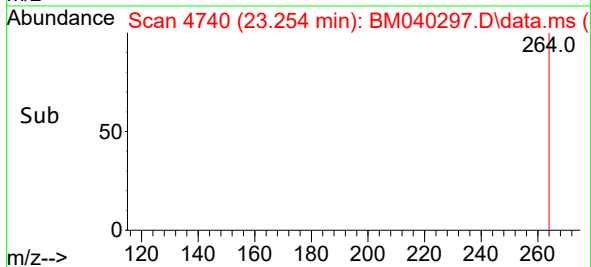
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

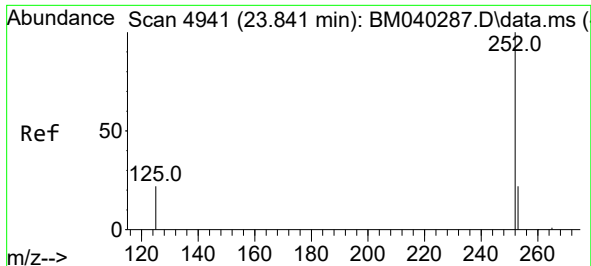


#25  
Benzo(k)fluoranthene  
Concen: 0.530 ng/ul m  
RT: 23.254 min Scan# 4740  
Delta R.T. -0.012 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11



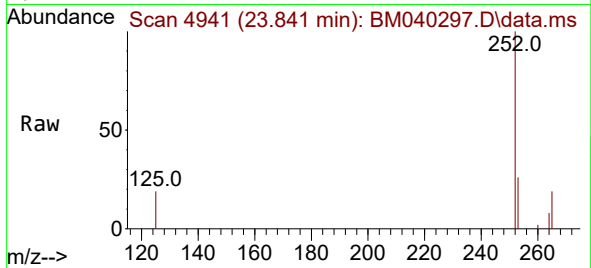
Tgt Ion:252 Resp: 36390  
Ion Ratio Lower Upper  
252 100  
253 27.4 21.5 32.3  
125 22.8 14.7 22.1#





#26  
Benzo(a)pyrene  
Concen: 0.989 ng/ul  
RT: 23.841 min Scan# 4941  
Delta R.T. -0.009 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

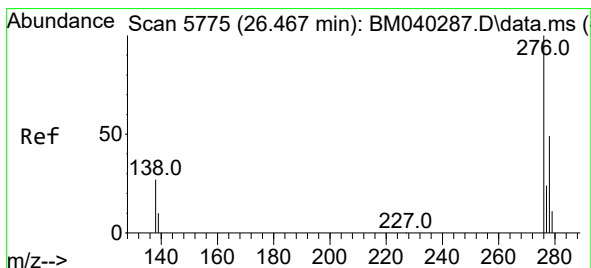
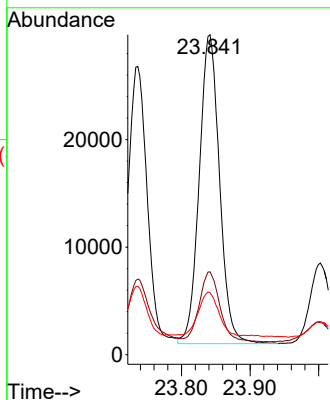
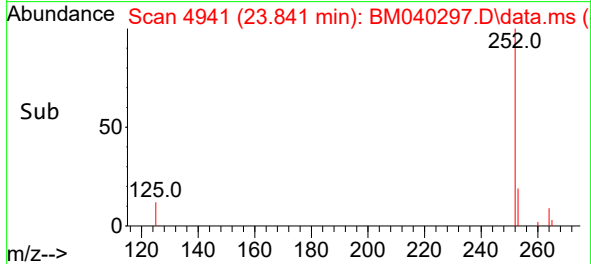
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



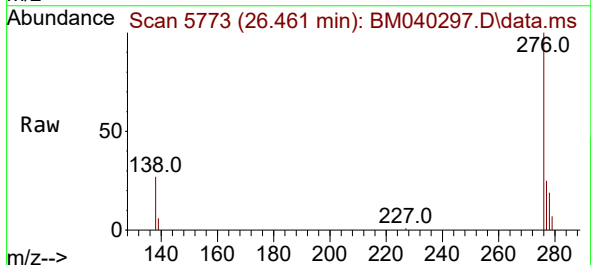
Tgt Ion:252 Resp: 5915  
Ion Ratio Lower Upper  
252 100  
253 25.9 23.4 35.0  
125 19.4 19.7 29.5

Manual Integrations  
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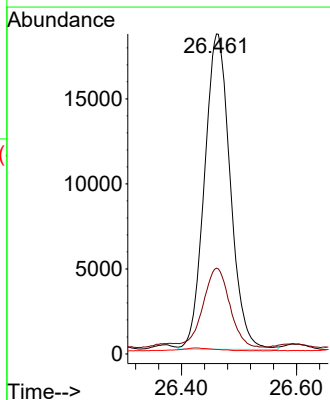
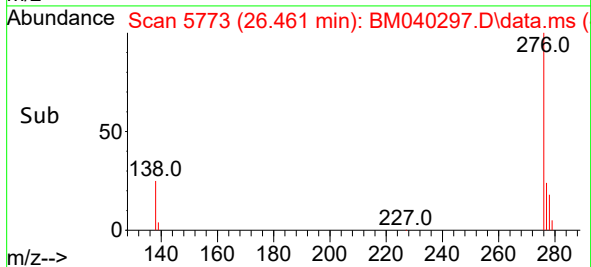
Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023

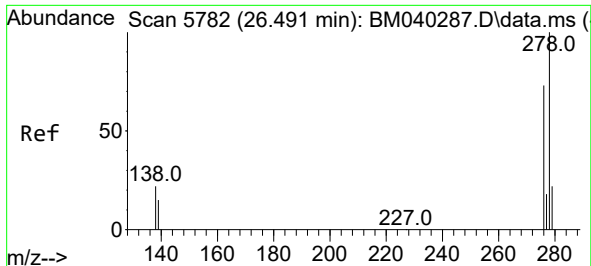


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.760 ng/ul  
RT: 26.461 min Scan# 5773  
Delta R.T. -0.017 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11



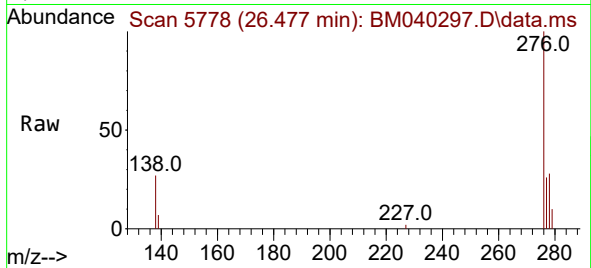
Tgt Ion:276 Resp: 57575  
Ion Ratio Lower Upper  
276 100  
138 26.2 23.3 34.9  
227 0.0 0.1 0.1





#28  
Dibenzo(a,h)anthracene  
Concen: 0.223 ng/ul  
RT: 26.477 min Scan# 5778  
Delta R.T. -0.020 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

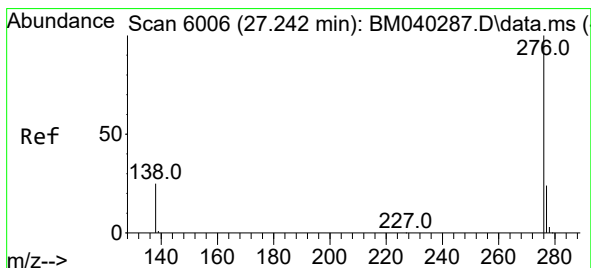
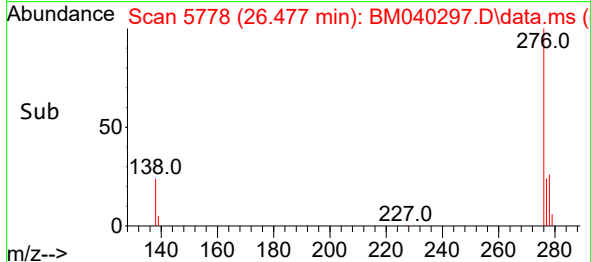
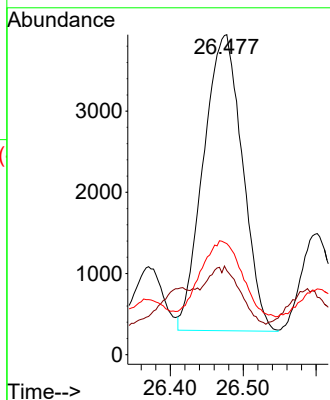
Instrument :  
BNA\_M  
ClientSampleId :  
DCFH9DL



Tgt Ion:278 Resp: 13558  
Ion Ratio Lower Upper  
278 100  
139 26.3 16.4 24.6  
279 34.7 21.8 32.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/19/2023  
Supervised By :mohammad ahmed 06/20/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.868 ng/ul  
RT: 27.242 min Scan# 6006  
Delta R.T. -0.013 min  
Lab File: BM040297.D  
Acq: 17 Jun 2023 01:11

Tgt Ion:276 Resp: 54906  
Ion Ratio Lower Upper  
276 100  
138 27.4 21.0 31.4  
277 24.6 19.6 29.4

