

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072423\  
 Data File : BM041119.D  
 Acq On : 25 Jul 2023 23:17  
 Operator : MA/JU  
 Sample : 03540-02DL 5X  
 Misc :  
 ALS Vial : 63 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4730DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023  
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 04:42:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 26 04:20:13 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.828  | 152  | 3687     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.636 | 136  | 12808    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.490 | 164  | 6924     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.244 | 188  | 13645    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.442 | 240  | 11554    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.822 | 264  | 11309    | 0.400 | ng/ul  | #-0.01   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.250  | 96   | 1832     | 0.322 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.236 | 152  | 956      | 0.052 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.283 | 212  | 1898     | 0.060 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.686 | 128  | 1453     | 0.035 | ng/ul# | 82       |
| 7) 2-Methylnaphthalene      | 12.313 | 142  | 409      | 0.020 | ng/ul  | 92       |
| 11) Acenaphthene            | 14.550 | 153  | 2061     | 0.084 | ng/ul  | 98       |
| 12) Fluorene                | 15.545 | 166  | 1656     | 0.061 | ng/ul# | 97       |
| 15) Phenanthrene            | 17.286 | 178  | 24692    | 0.587 | ng/ul  | 99       |
| 16) Anthracene              | 17.379 | 178  | 3325     | 0.098 | ng/ul# | 89       |
| 19) Fluoranthene            | 19.310 | 202  | 35878    | 0.866 | ng/ul  | 98       |
| 20) Pyrene                  | 19.673 | 202  | 25227    | 0.553 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.428 | 228  | 15396    | 0.399 | ng/ul  | 99       |
| 22) Chrysene                | 21.480 | 228  | 13822    | 0.310 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.099 | 252  | 18218    | 0.404 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.143 | 252  | 7092m    | 0.165 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.716 | 252  | 6443     | 0.177 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.287 | 276  | 6358     | 0.118 | ng/ul# | 93       |
| 28) Dibenzo(a,h)anthracene  | 26.297 | 278  | 2057     | 0.049 | ng/ul# | 45       |
| -----                       |        |      |          |       |        |          |

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

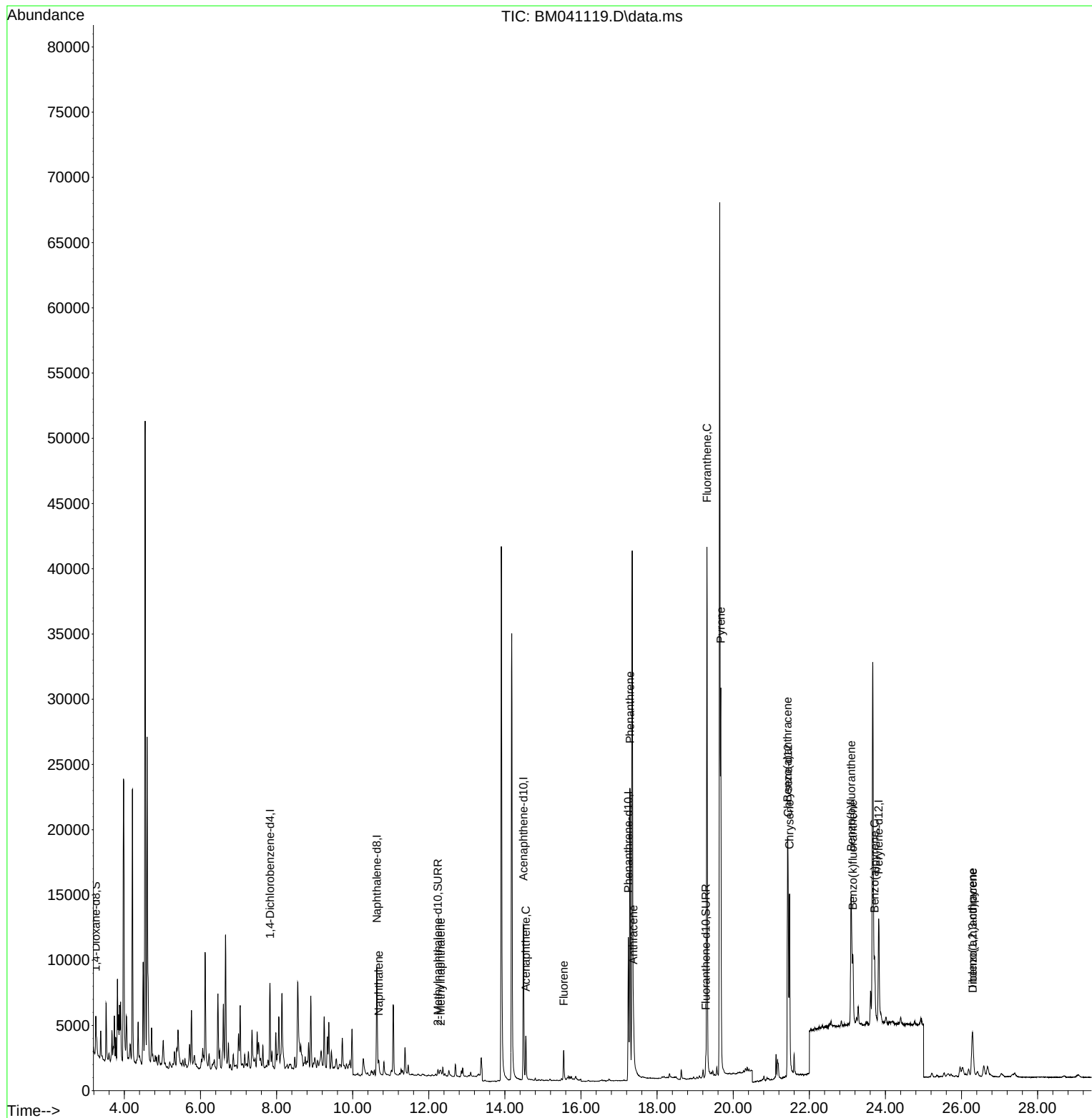
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM072423\  
Data File : BM041119.D  
Acq On : 25 Jul 2023 23:17  
Operator : MA/JU  
Sample : 03540-02DL 5X  
Misc :  
ALS Vial : 63 Sample Multiplier: 1

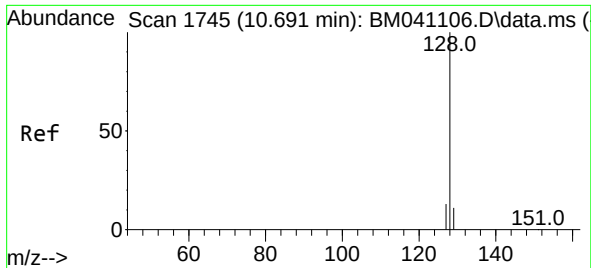
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023

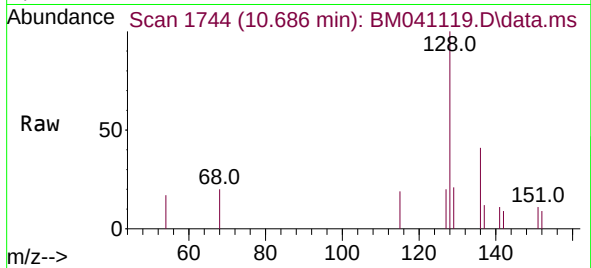
Quant Time: Jul 26 04:42:15 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM072423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 26 04:20:13 2023  
Response via : Initial Calibration





#5  
Naphthalene  
Concen: 0.035 ng/ul  
RT: 10.686 min Scan# 1744  
Delta R.T. -0.006 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

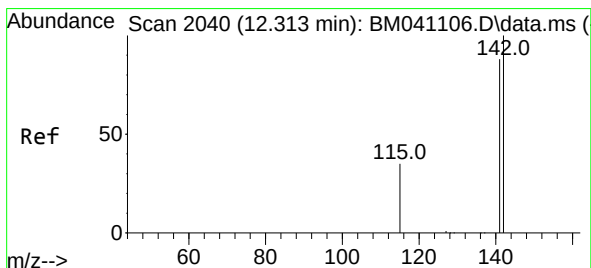
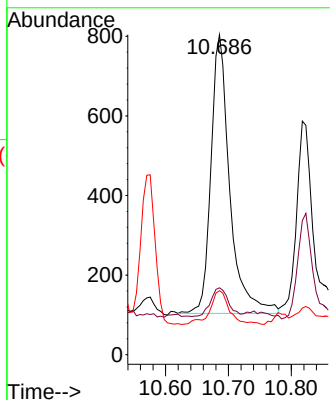
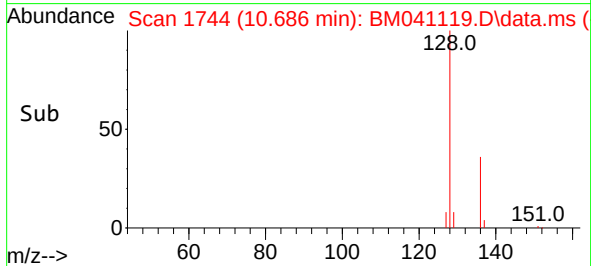
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



Tgt Ion:128 Resp: 145  
Ion Ratio Lower Upper  
128 100  
129 20.9 9.8 14.8  
127 20.0 11.1 16.7

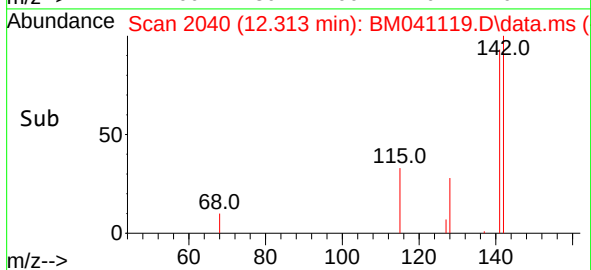
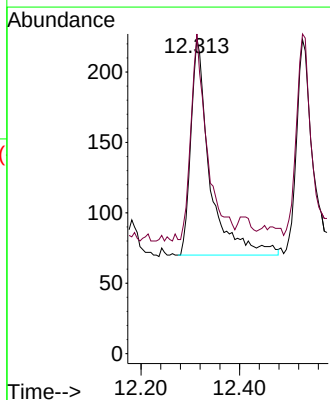
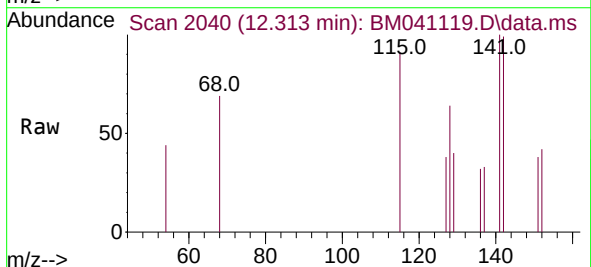
Manual Integrations  
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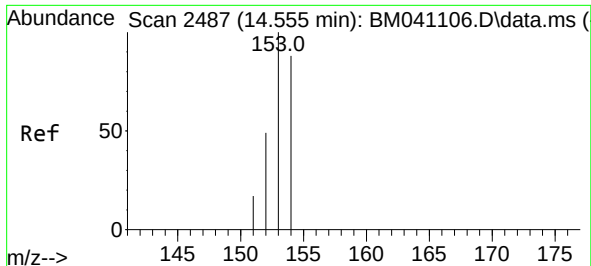
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023



#7  
2-Methylnaphthalene  
Concen: 0.020 ng/ul  
RT: 12.313 min Scan# 2040  
Delta R.T. -0.000 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

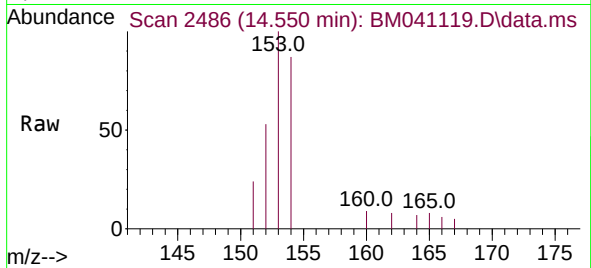
Tgt Ion:142 Resp: 409  
Ion Ratio Lower Upper  
142 100  
141 83.6 73.3 109.9





#11  
Acenaphthene  
Concen: 0.084 ng/ul  
RT: 14.550 min Scan# 2487  
Delta R.T. -0.005 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

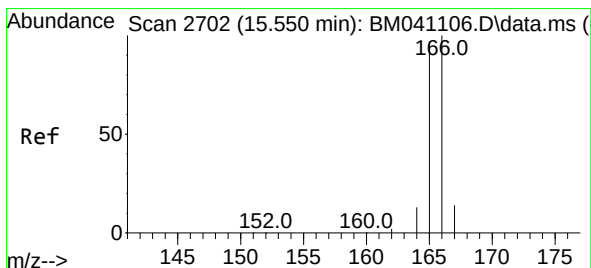
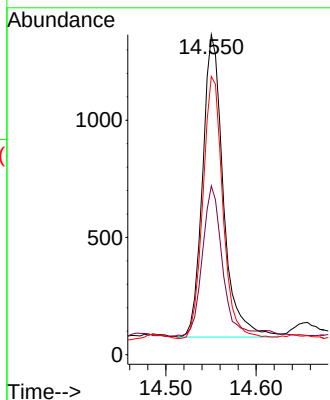
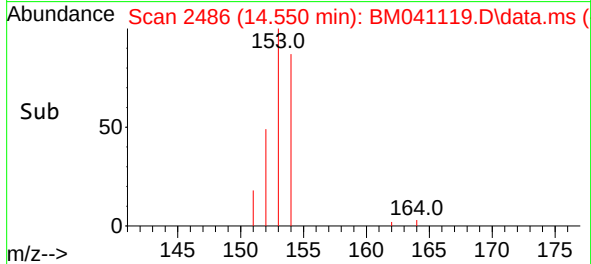
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



Tgt Ion:153 Resp: 206  
Ion Ratio Lower Upper  
153 100  
152 52.7 40.2 60.4  
154 87.0 70.3 105.5

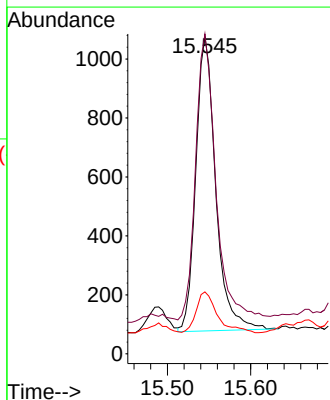
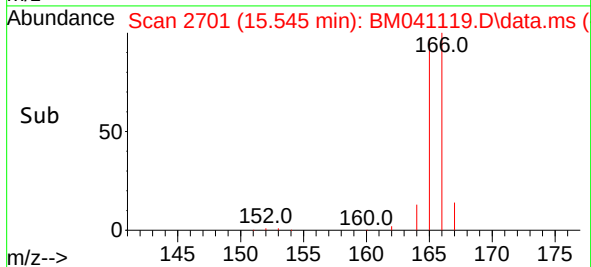
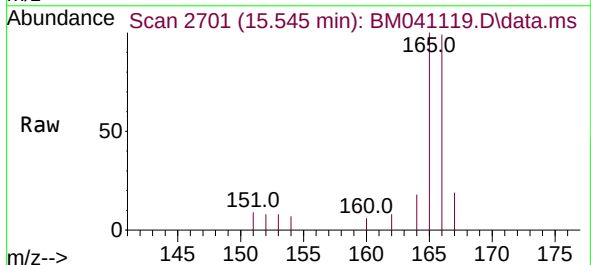
Manual Integrations  
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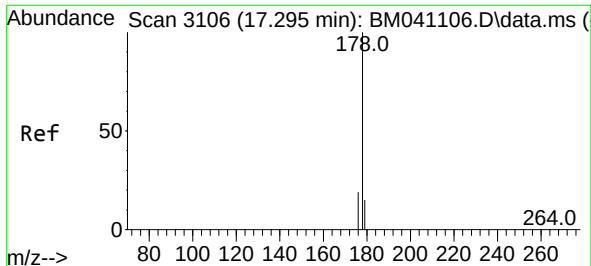
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023



#12  
Fluorene  
Concen: 0.061 ng/ul  
RT: 15.545 min Scan# 2701  
Delta R.T. -0.005 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

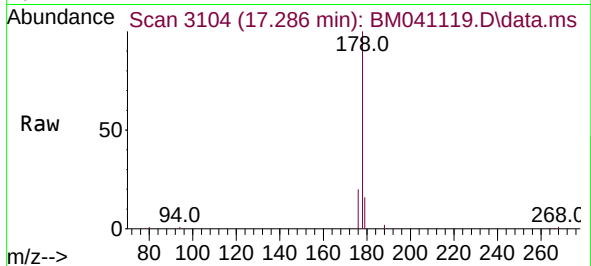
Tgt Ion:166 Resp: 1656  
Ion Ratio Lower Upper  
166 100  
165 100.7 79.4 119.0  
167 19.5 11.4 17.2#





#15  
Phenanthrene  
Concen: 0.587 ng/u1  
RT: 17.286 min Scan# 3104  
Delta R.T. -0.009 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

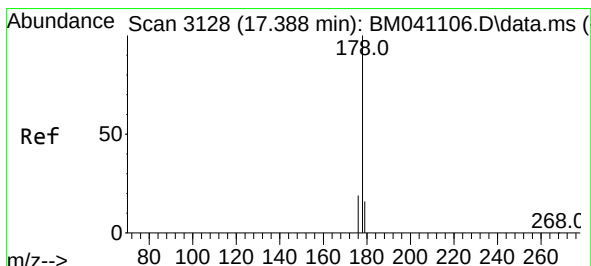
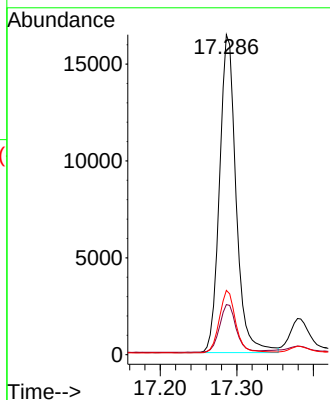
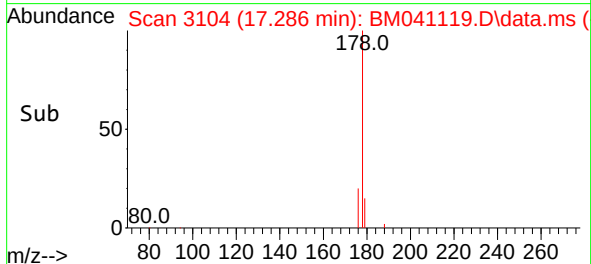
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



Tgt Ion:178 Resp: 24692  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.4 20.2  
176 20.1 16.0 24.0

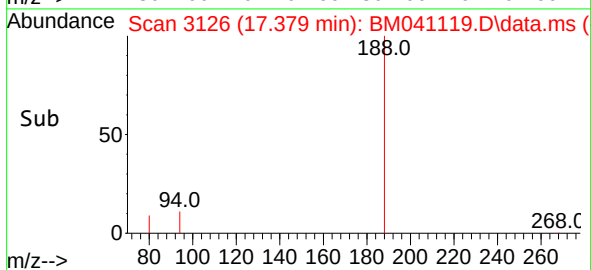
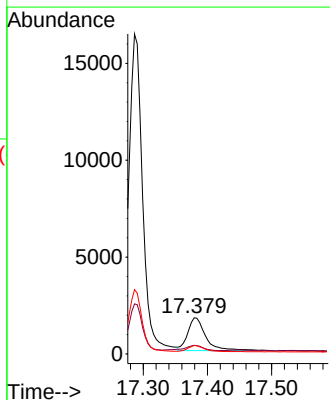
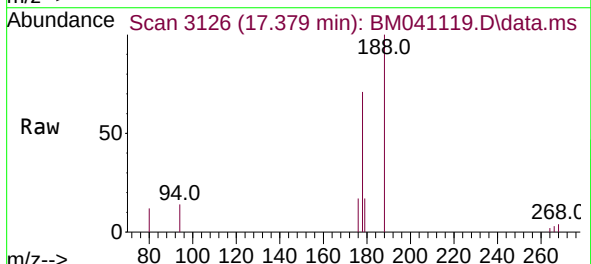
Manual Integrations  
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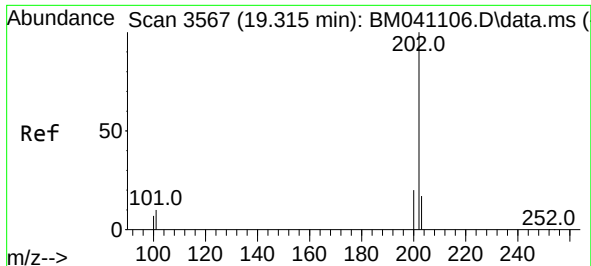
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023



#16  
Anthracene  
Concen: 0.098 ng/u1  
RT: 17.379 min Scan# 3126  
Delta R.T. -0.013 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

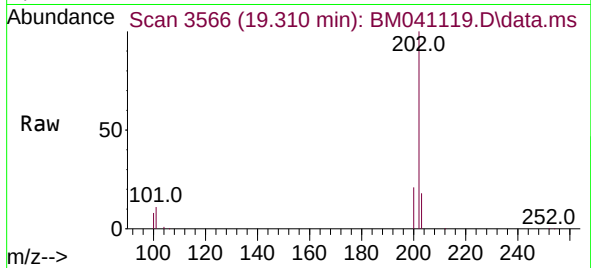
Tgt Ion:178 Resp: 3325  
Ion Ratio Lower Upper  
178 100  
179 23.8 13.6 20.4#  
176 23.4 16.0 24.0





#19  
Fluoranthene  
Concen: 0.866 ng/u1  
RT: 19.310 min Scan# 3567  
Delta R.T. -0.005 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

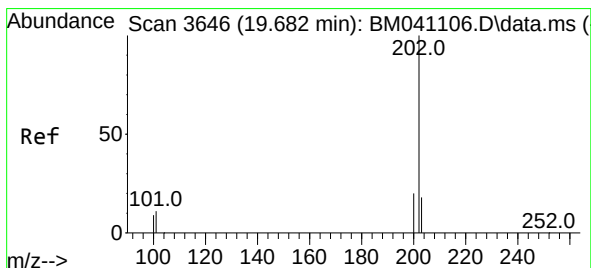
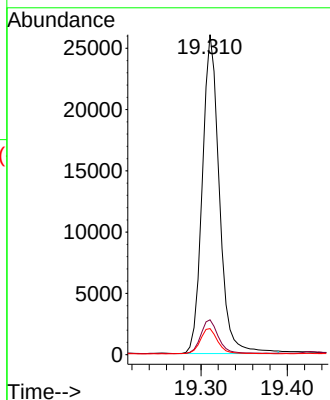
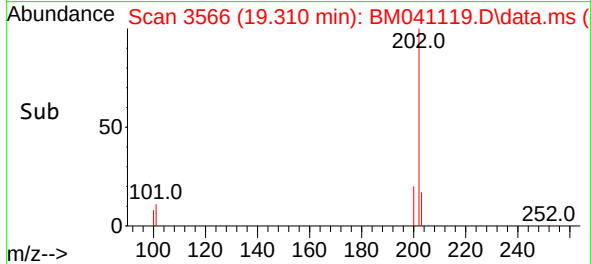
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



Tgt Ion:202 Resp: 35878  
Ion Ratio Lower Upper  
202 100  
101 10.9 9.4 14.0  
100 8.2 7.1 10.7

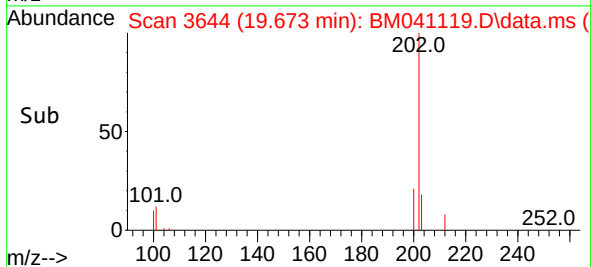
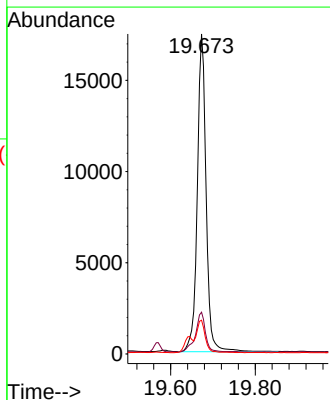
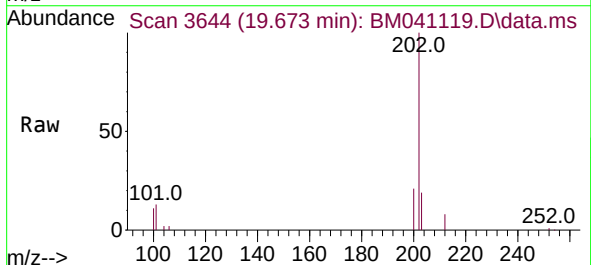
Manual Integrations  
APPROVED

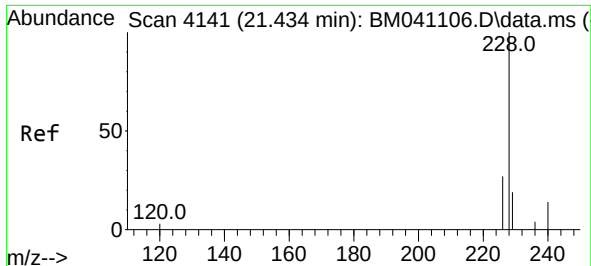
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023



#20  
Pyrene  
Concen: 0.553 ng/u1  
RT: 19.673 min Scan# 3644  
Delta R.T. -0.009 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

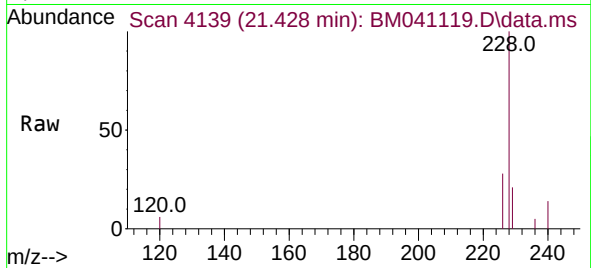
Tgt Ion:202 Resp: 25227  
Ion Ratio Lower Upper  
202 100  
101 13.0 10.7 16.1  
100 10.6 8.5 12.7





#21  
Benzo(a)anthracene  
Concen: 0.399 ng/ul  
RT: 21.428 min Scan# 4119  
Delta R.T. -0.006 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

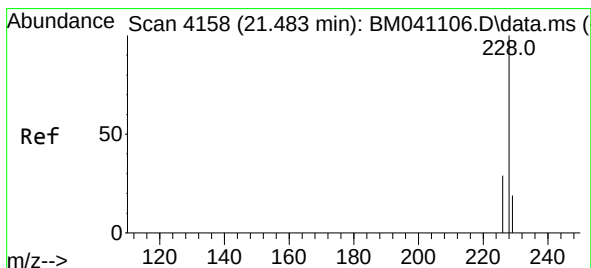
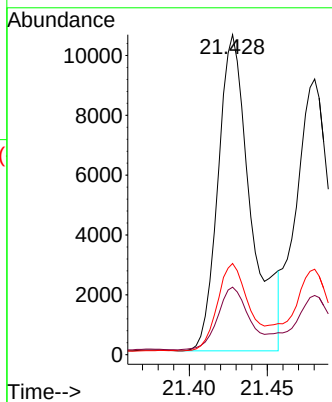
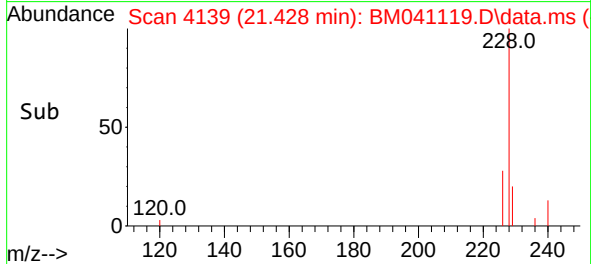
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



Tgt Ion:228 Resp: 15390  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.5 24.7  
226 28.5 22.2 33.2

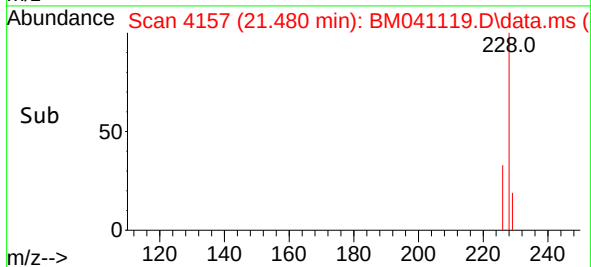
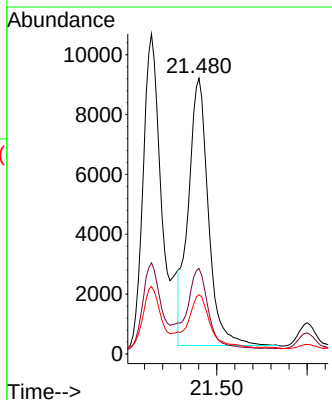
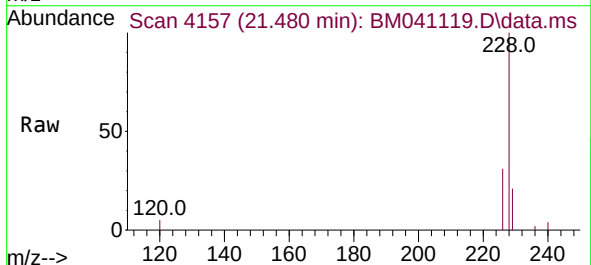
Manual Integrations  
APPROVED

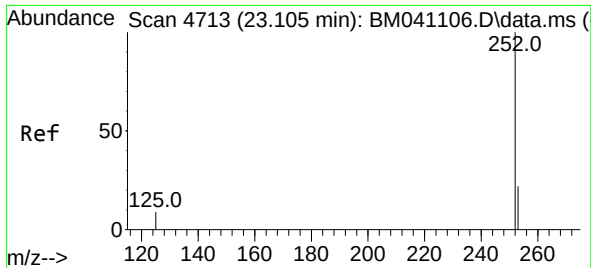
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023



#22  
Chrysene  
Concen: 0.310 ng/ul  
RT: 21.480 min Scan# 4157  
Delta R.T. -0.006 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

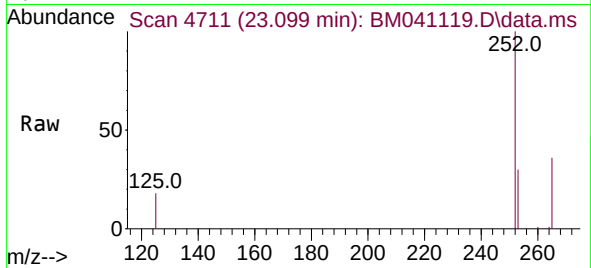
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Ion Ratio Lower Upper  
228 100  
226 31.0 24.2 36.4  
229 21.5 15.9 23.9





#24  
Benzo(b)fluoranthene  
Concen: 0.404 ng/ul  
RT: 23.099 min Scan# 4711  
Delta R.T. -0.006 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

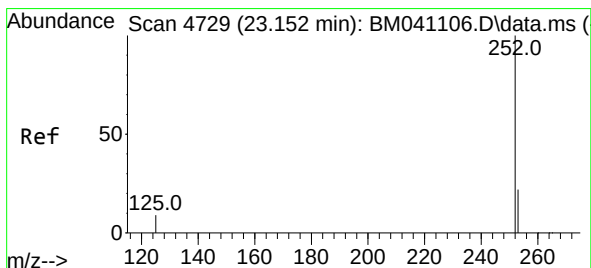
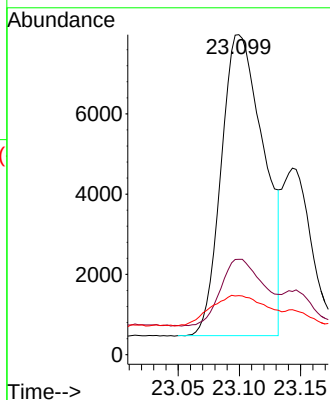
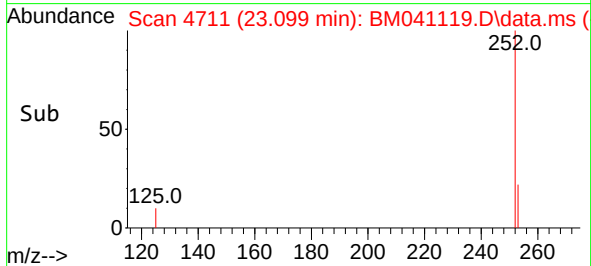
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



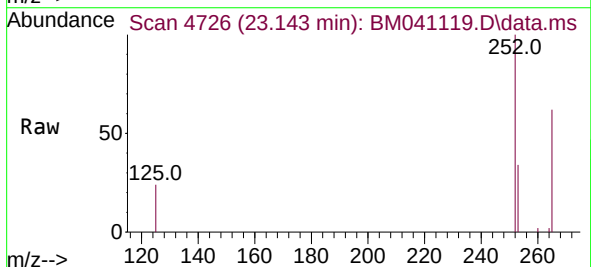
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252 100  
253 29.8 0.0 57.6  
125 18.5 0.0 33.6

Manual Integrations  
APPROVED

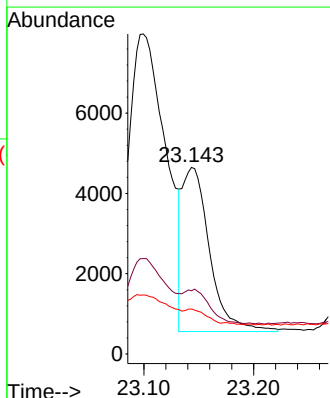
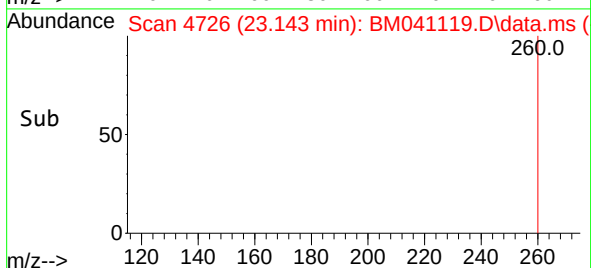
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023



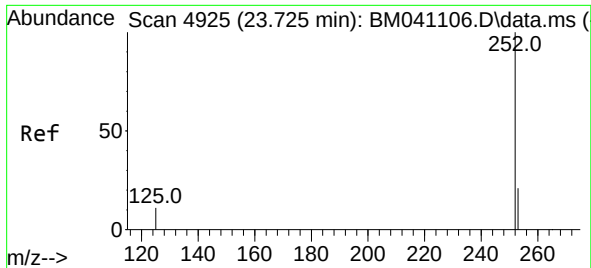
#25  
Benzo(k)fluoranthene  
Concen: 0.165 ng/ul m  
RT: 23.143 min Scan# 4726  
Delta R.T. -0.012 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17



Tgt Ion:252 Resp: 7092  
Ion Ratio Lower Upper  
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125 24.1 13.5 20.3#

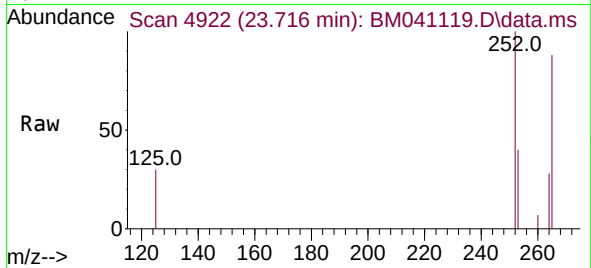






#26  
Benzo(a)pyrene  
Concen: 0.177 ng/ul  
RT: 23.716 min Scan# 4925  
Delta R.T. -0.012 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17

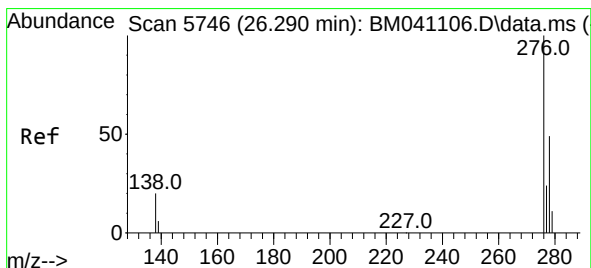
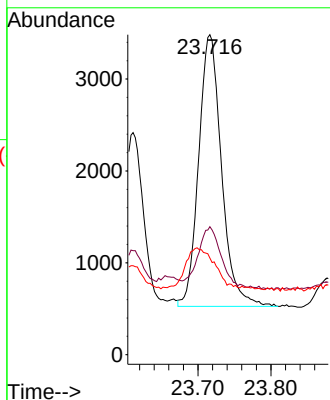
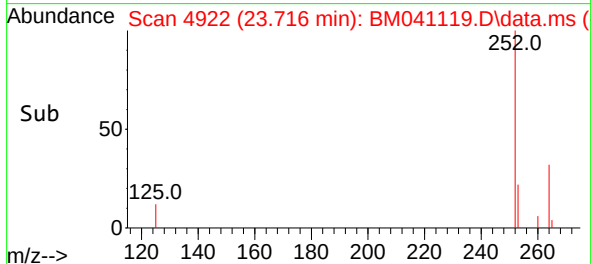
Instrument :  
BNA\_M  
ClientSampleId :  
A4730DL



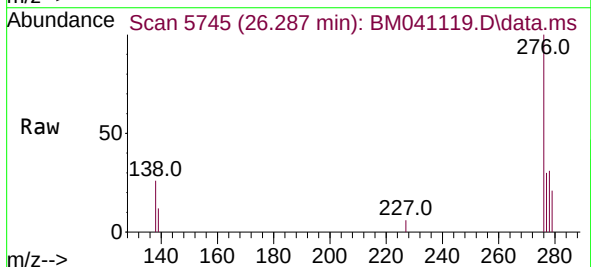
Tgt Ion:252 Resp: 644  
Ion Ratio Lower Upper  
252 100  
253 40.0 26.7 40.1  
125 30.2 18.1 27.1

Manual Integrations  
APPROVED

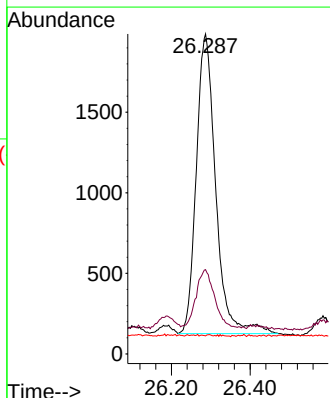
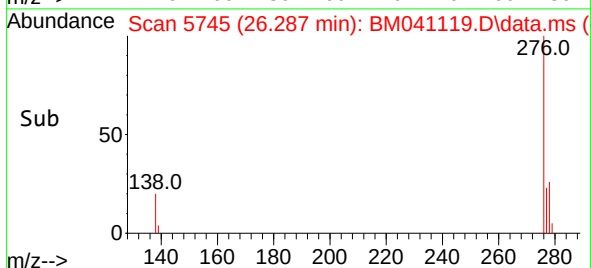
Reviewed By :Yogesh Patel 07/26/2023  
Supervised By :mohammad ahmed 07/27/2023

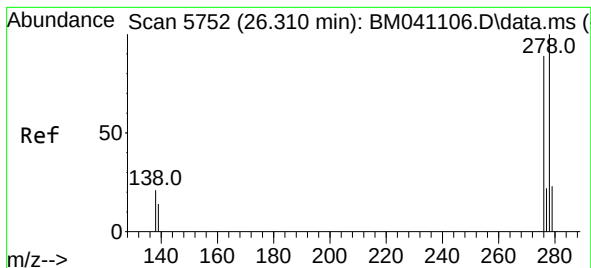


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.118 ng/ul  
RT: 26.287 min Scan# 5745  
Delta R.T. -0.010 min  
Lab File: BM041119.D  
Acq: 25 Jul 2023 23:17



Tgt Ion:276 Resp: 6358  
Ion Ratio Lower Upper  
276 100  
138 19.0 18.1 27.1  
227 0.1 0.2 0.2





#28

Dibenzo(a,h)anthracene

Concen: 0.049 ng/ul

RT: 26.297 min Scan# 51

Delta R.T. -0.020 min

Lab File: BM041119.D

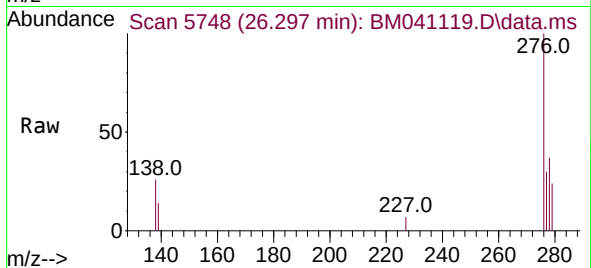
Acq: 25 Jul 2023 23:17

Instrument :

BNA\_M

ClientSampleId :

A4730DL



Tgt Ion:278 Resp: 205

Ion Ratio Lower Upper

278 100

139 36.6 14.1 21.1

279 64.9 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/27/2023

