

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070523\  
 Data File : BM040663.D  
 Acq On : 06 Jul 2023 05:43  
 Operator : MA/JU  
 Sample : 03248-04DL 5X  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGN2DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/06/2023  
 Supervised By :Sohil Jodhani 07/06/2023

Quant Time: Jul 06 06:19:51 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   | 7.907  | 152  | 8534     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.712 | 136  | 32553    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.549 | 164  | 15883    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.298 | 188  | 30304    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.486 | 240  | 21473    | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.885 | 264  | 21762    | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.308  | 96   | 6420     | 0.479 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.301 | 152  | 1646     | 0.036 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.328 | 212  | 2644     | 0.038 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.762 | 128  | 47154    | 0.525 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.378 | 142  | 9148     | 0.173 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.593 | 142  | 2936     | 0.056 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.272 | 152  | 40314    | 0.568 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.614 | 153  | 3127     | 0.052 | ng/ul  | 97       |
| 12) Fluorene                | 15.600 | 166  | 4062     | 0.064 | ng/ul# | 95       |
| 15) Phenanthrene            | 17.341 | 178  | 88808    | 0.943 | ng/ul  | 99       |
| 16) Anthracene              | 17.434 | 178  | 29886    | 0.378 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.356 | 202  | 233145   | 2.556 | ng/ul  | 97       |
| 20) Pyrene                  | 19.723 | 202  | 188078   | 1.923 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.468 | 228  | 139367   | 1.919 | ng/ul  | 96       |
| 22) Chrysene                | 21.524 | 228  | 111613   | 1.347 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.157 | 252  | 211079   | 2.506 | ng/ul  | 90       |
| 25) Benzo(k)fluoranthene    | 23.198 | 252  | 71002m   | 0.855 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.777 | 252  | 127747   | 1.684 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.373 | 276  | 110137   | 1.042 | ng/ul# | 87       |
| 28) Dibenzo(a,h)anthracene  | 26.384 | 278  | 26852    | 0.325 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 27.141 | 276  | 87952    | 0.950 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

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

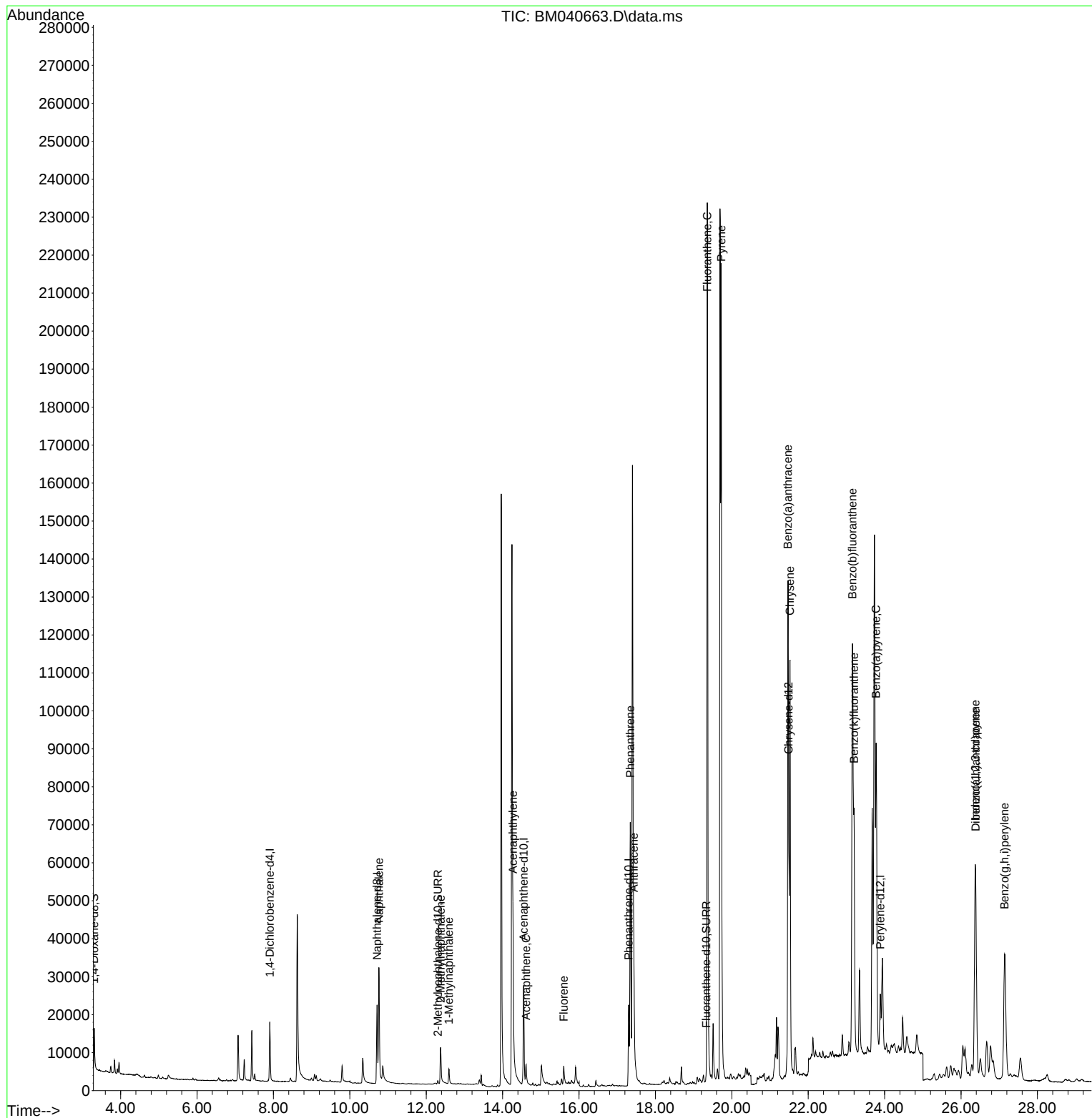
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070523\  
Data File : BM040663.D  
Acq On : 06 Jul 2023 05:43  
Operator : MA/JU  
Sample : 03248-04DL 5X  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

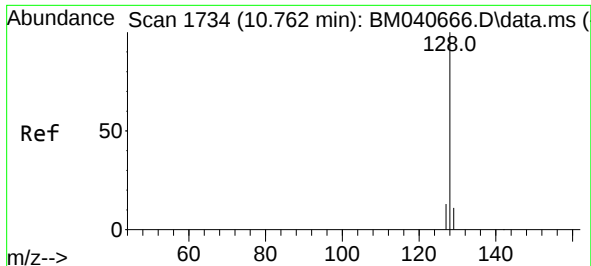
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL

Quant Time: Jul 06 06:19:51 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  
APPROVED

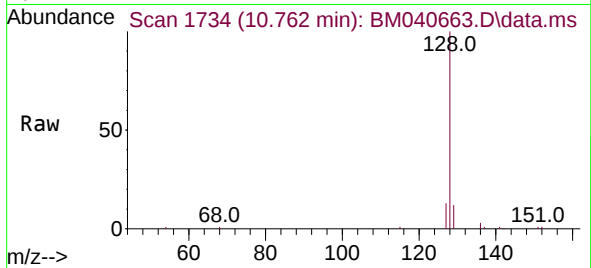
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023





#5  
Naphthalene  
Concen: 0.525 ng/ul  
RT: 10.762 min Scan# 1734  
Delta R.T. -0.004 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

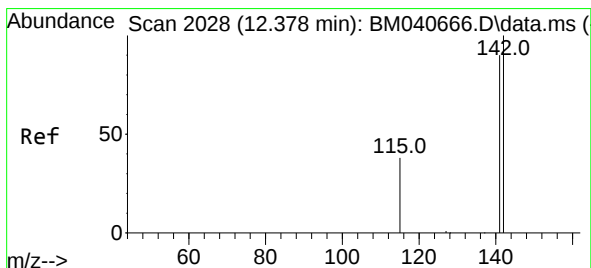
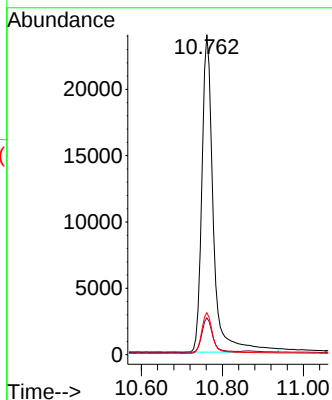
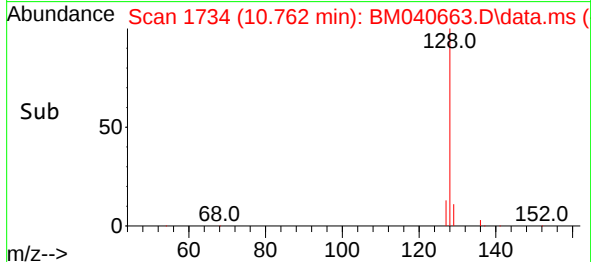
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



Tgt Ion:128 Resp: 47154  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.2 13.8  
127 13.1 10.6 15.8

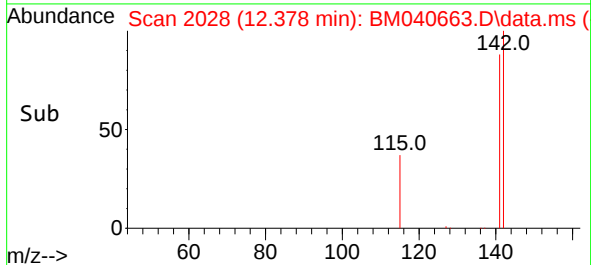
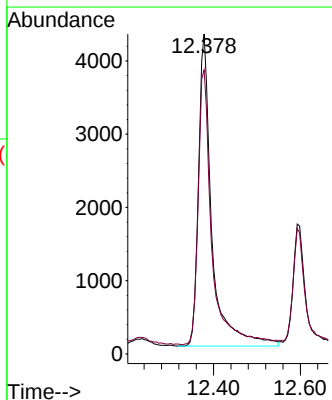
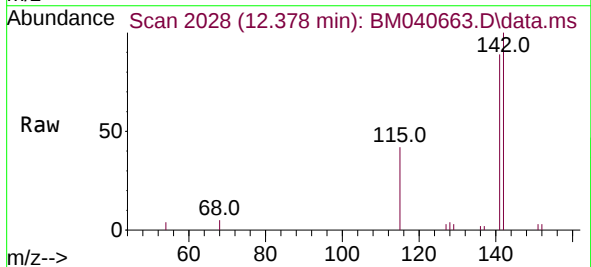
Manual Integrations  
APPROVED

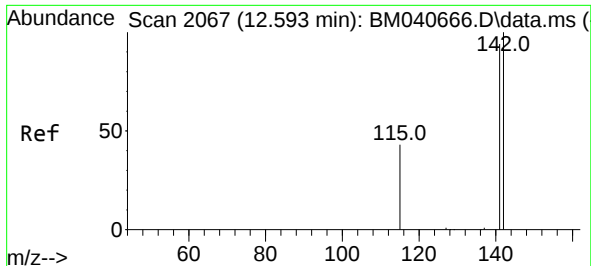
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#7  
2-Methylnaphthalene  
Concen: 0.173 ng/ul  
RT: 12.378 min Scan# 2028  
Delta R.T. -0.004 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

Tgt Ion:142 Resp: 9148  
Ion Ratio Lower Upper  
142 100  
141 90.0 71.9 107.9





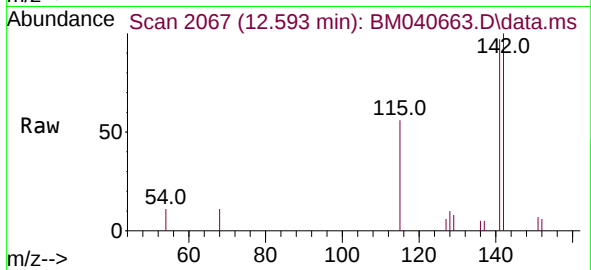
#8  
1-Methylnaphthalene  
Concen: 0.056 ng/ul  
RT: 12.593 min Scan# 2067  
Delta R.T. -0.010 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

Instrument :

BNA\_M

ClientSampleId :

DCGN2DL

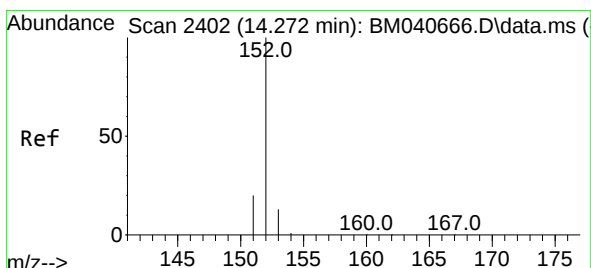
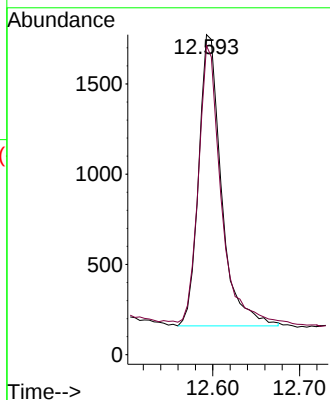
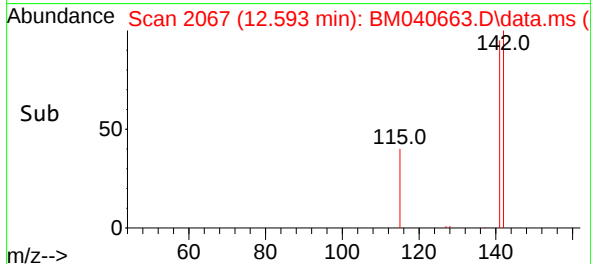


Tgt Ion:142 Resp: 2930  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.7 110.5

Manual Integrations

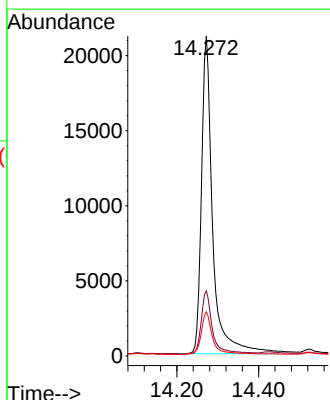
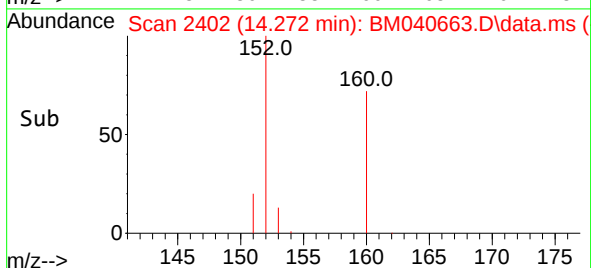
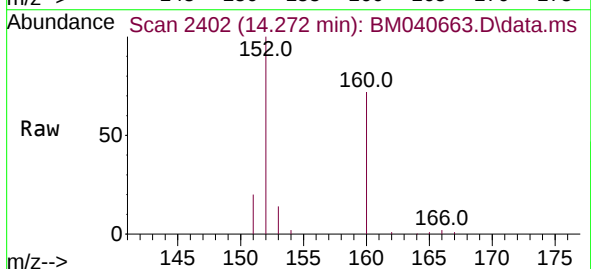
APPROVED

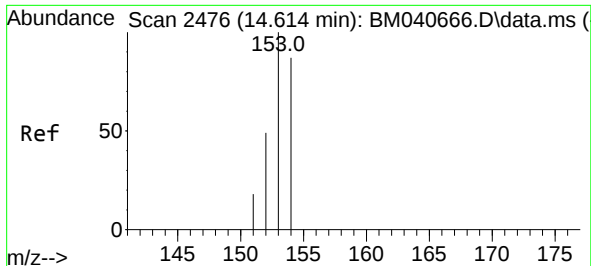
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#10  
Acenaphthylene  
Concen: 0.568 ng/ul  
RT: 14.272 min Scan# 2402  
Delta R.T. -0.008 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

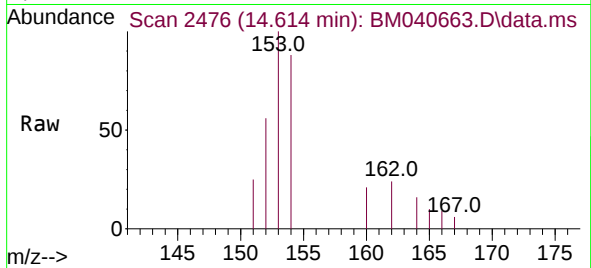
Tgt Ion:152 Resp: 40314  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.2  
153 13.8 10.9 16.3





#11  
Acenaphthene  
Concen: 0.052 ng/ul  
RT: 14.614 min Scan# 2476  
Delta R.T. -0.003 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

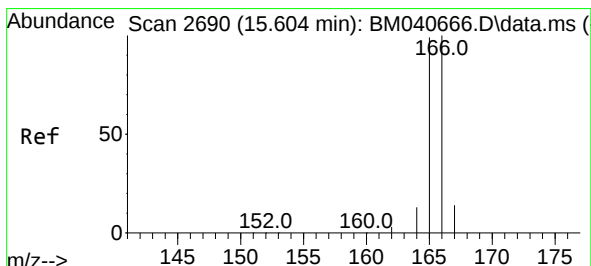
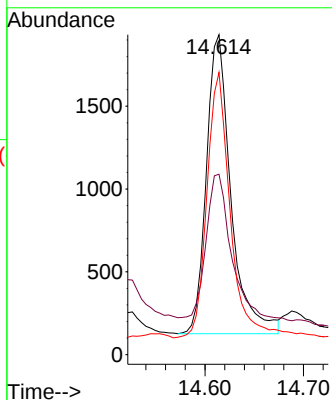
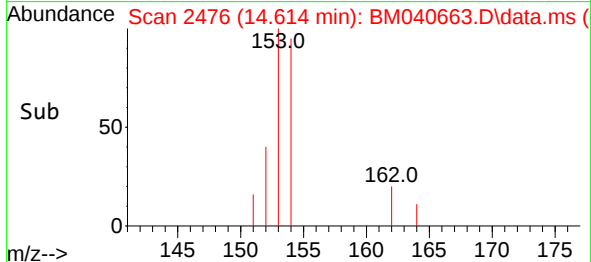
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



Tgt Ion:153 Resp: 312  
Ion Ratio Lower Upper  
153 100  
152 56.4 41.0 61.4  
154 88.2 70.8 106.2

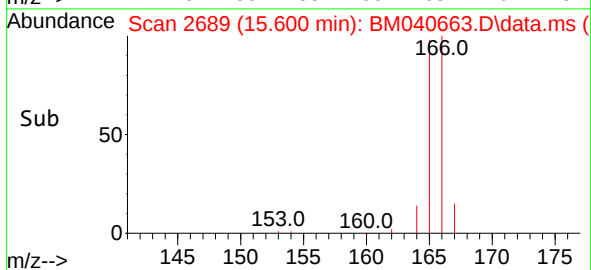
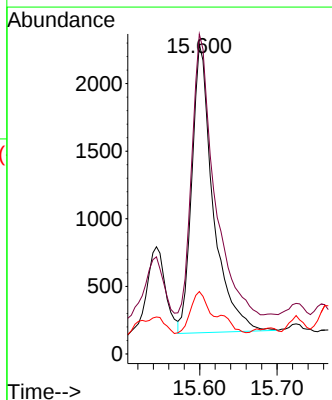
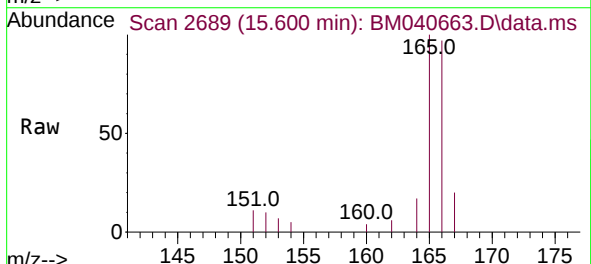
Manual Integrations  
APPROVED

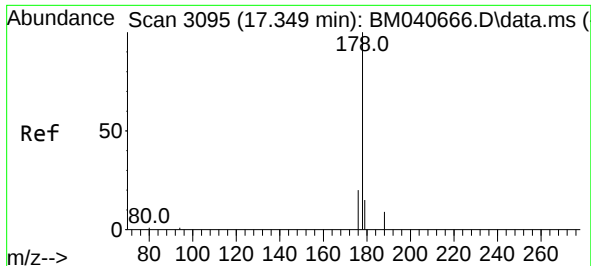
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#12  
Fluorene  
Concen: 0.064 ng/ul  
RT: 15.600 min Scan# 2689  
Delta R.T. -0.008 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

Tgt Ion:166 Resp: 4062  
Ion Ratio Lower Upper  
166 100  
165 103.2 79.6 119.4  
167 20.1 11.4 17.0#





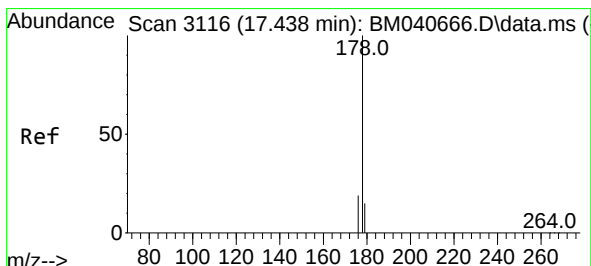
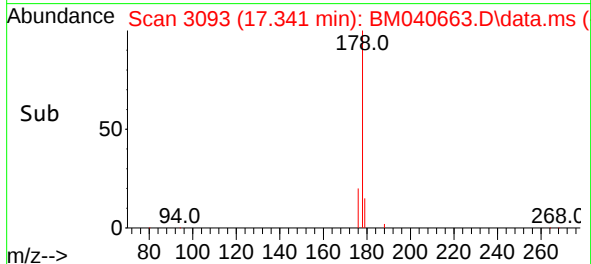
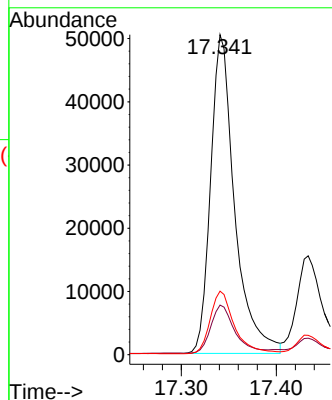
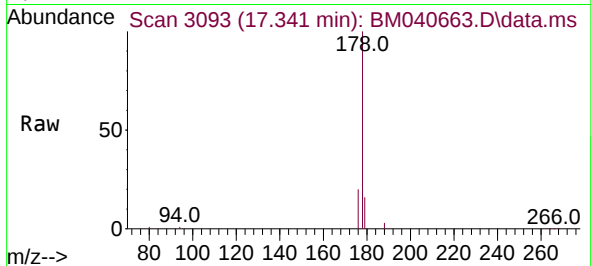
#15  
Phenanthrene  
Concen: 0.943 ng/ul  
RT: 17.341 min Scan# 3093  
Delta R.T. -0.011 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL

Tgt Ion:178 Resp: 88808  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.8 19.2  
176 19.8 16.4 24.6

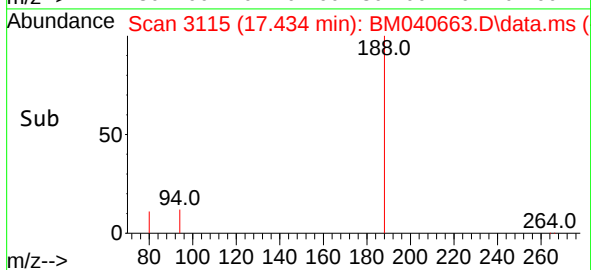
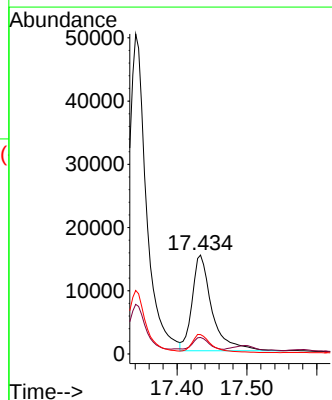
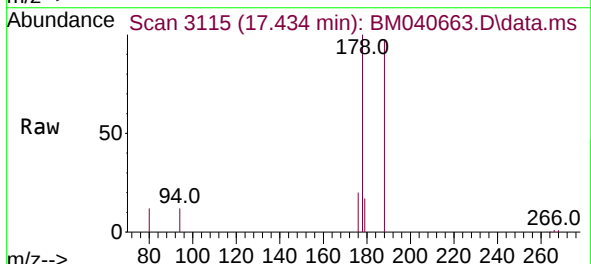
Manual Integrations  
APPROVED

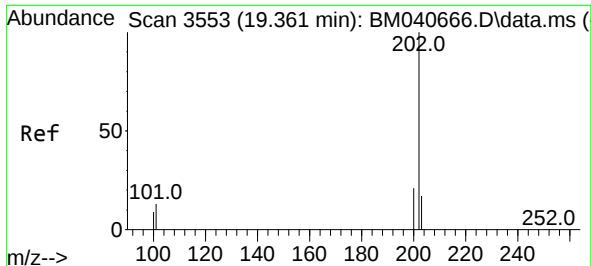
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#16  
Anthracene  
Concen: 0.378 ng/ul  
RT: 17.434 min Scan# 3115  
Delta R.T. -0.011 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

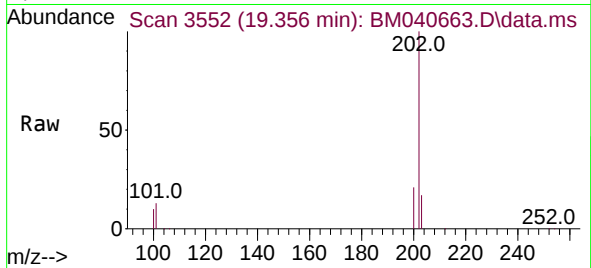
Tgt Ion:178 Resp: 29886  
Ion Ratio Lower Upper  
178 100  
179 16.7 12.9 19.3  
176 19.7 15.8 23.6





#19  
Fluoranthene  
Concen: 2.556 ng/ul  
RT: 19.356 min Scan# 3553  
Delta R.T. -0.013 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

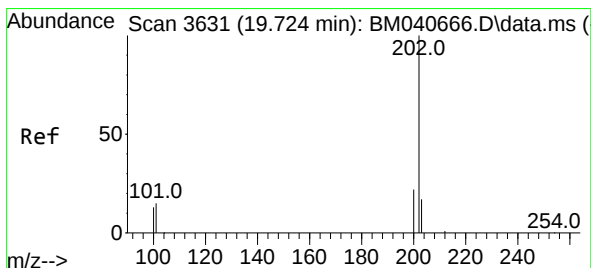
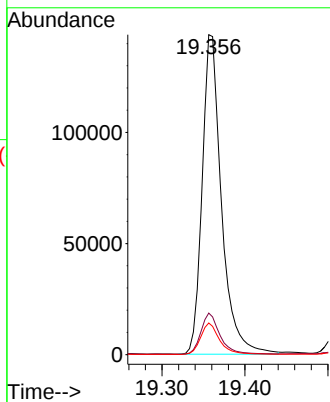
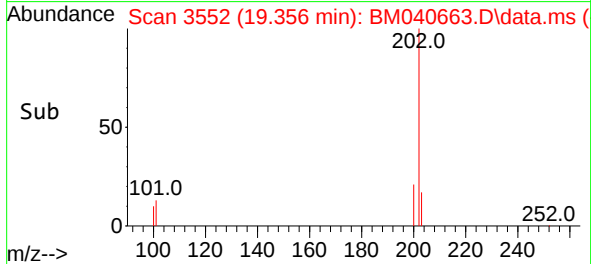
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



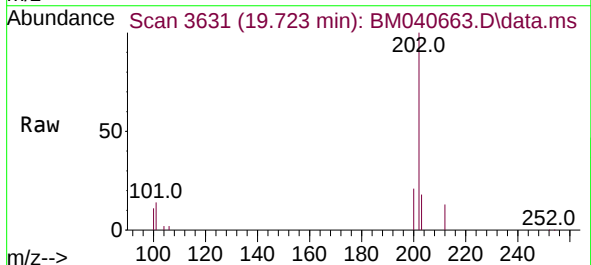
Tgt Ion:202 Resp: 233145  
Ion Ratio Lower Upper  
202 100  
101 13.0 11.4 17.0  
100 9.9 8.7 13.1

Manual Integrations  
APPROVED

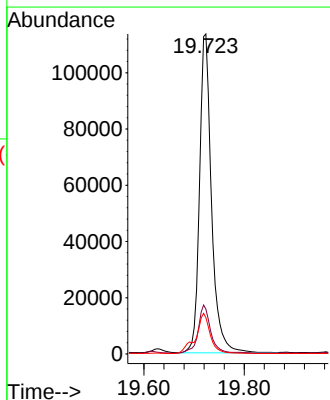
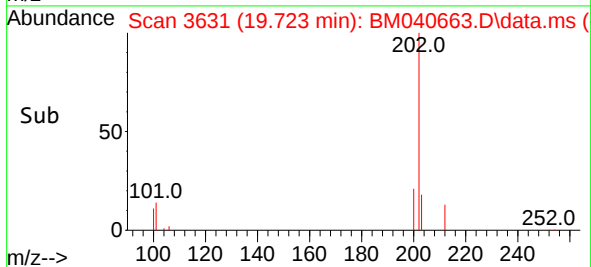
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023

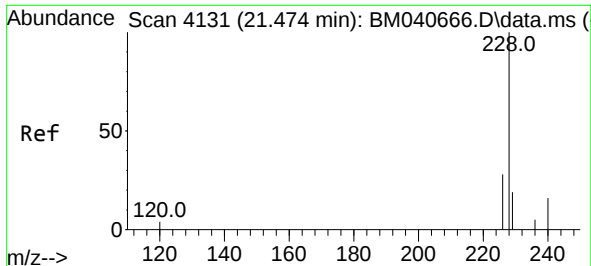


#20  
Pyrene  
Concen: 1.923 ng/ul  
RT: 19.723 min Scan# 3631  
Delta R.T. -0.008 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43



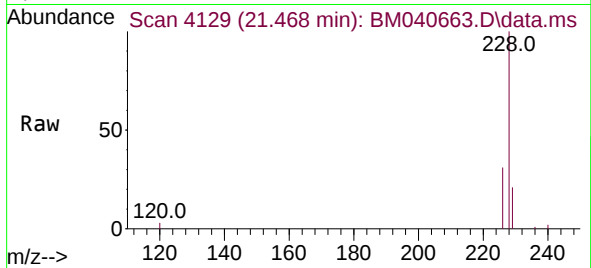
Tgt Ion:202 Resp: 188078  
Ion Ratio Lower Upper  
202 100  
101 14.0 12.6 18.8  
100 11.4 9.8 14.6





#21  
Benzo(a)anthracene  
Concen: 1.919 ng/ul  
RT: 21.468 min Scan# 4129  
Delta R.T. -0.010 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

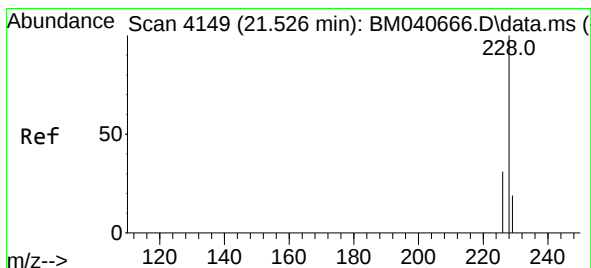
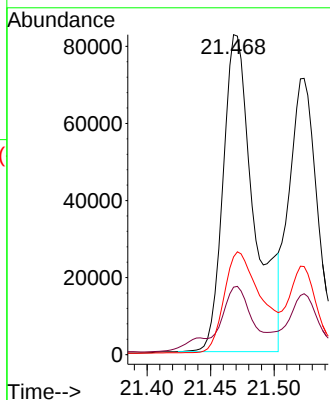
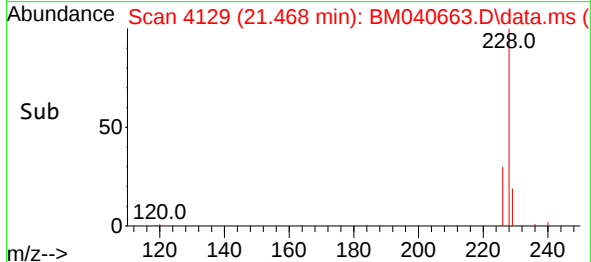
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



Tgt Ion:228 Resp: 13936  
Ion Ratio Lower Upper  
228 100  
229 21.1 16.0 24.0  
226 30.6 22.3 33.5

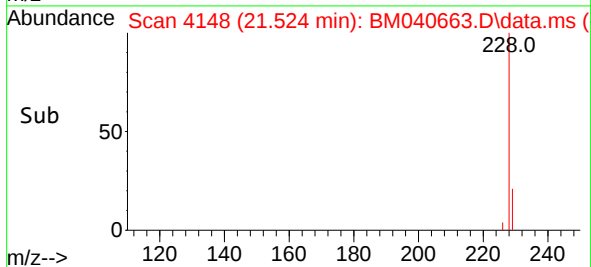
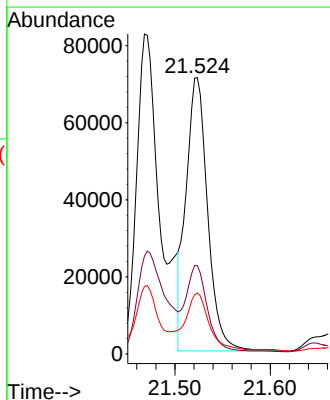
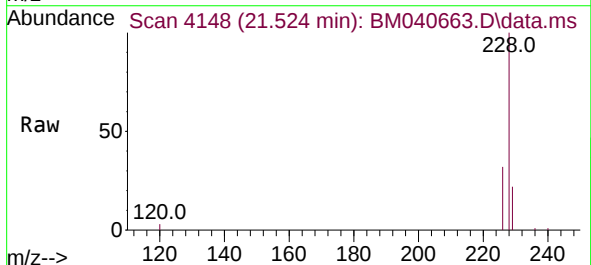
Manual Integrations  
APPROVED

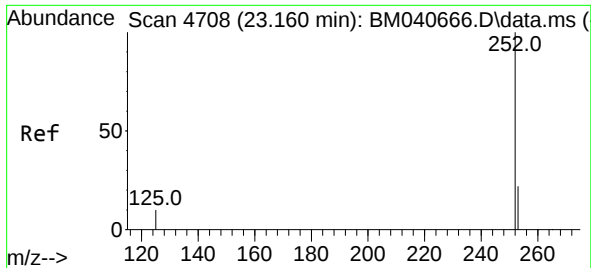
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#22  
Chrysene  
Concen: 1.347 ng/ul  
RT: 21.524 min Scan# 4148  
Delta R.T. -0.007 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

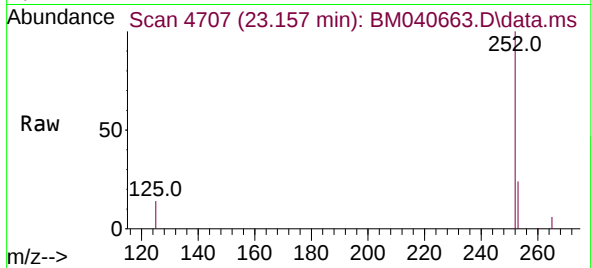
Tgt Ion:228 Resp: 111613  
Ion Ratio Lower Upper  
228 100  
226 31.9 24.9 37.3  
229 22.1 15.8 23.6





#24  
Benzo(b)fluoranthene  
Concen: 2.506 ng/ul  
RT: 23.157 min Scan# 4707  
Delta R.T. -0.010 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

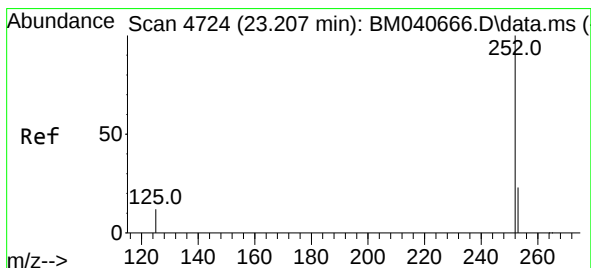
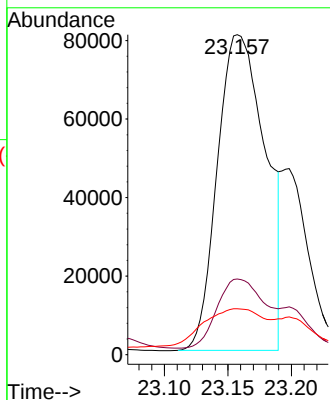
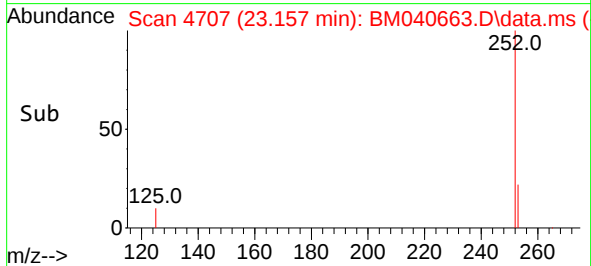
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



Tgt Ion:252 Resp: 211079  
Ion Ratio Lower Upper  
252 100  
253 23.7 0.0 52.8  
125 14.4 0.0 43.0

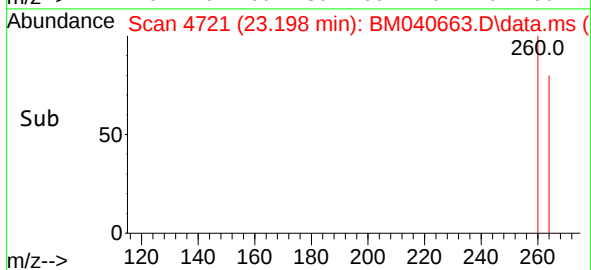
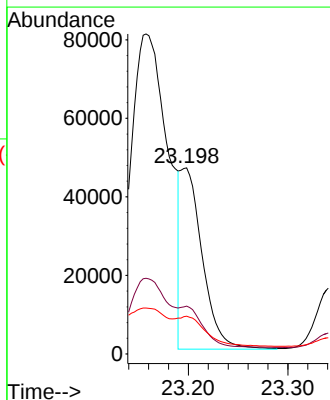
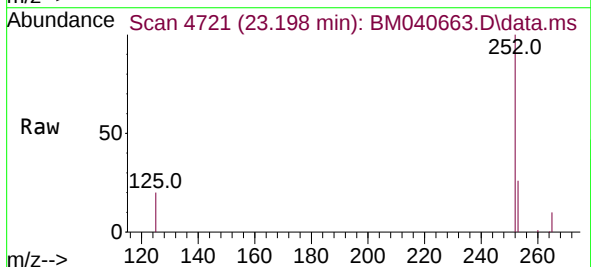
Manual Integrations  
APPROVED

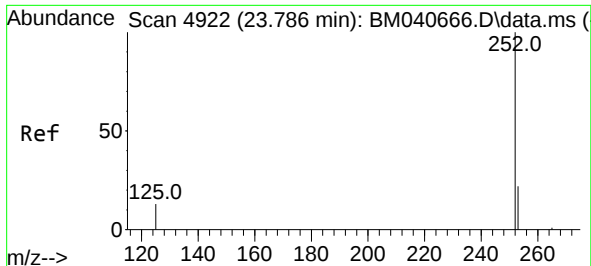
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#25  
Benzo(k)fluoranthene  
Concen: 0.855 ng/ul m  
RT: 23.198 min Scan# 4721  
Delta R.T. -0.013 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

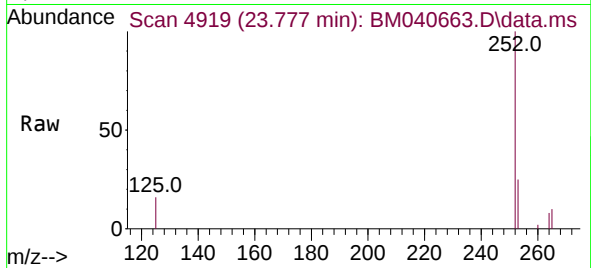
Tgt Ion:252 Resp: 71002  
Ion Ratio Lower Upper  
252 100  
253 25.8 21.2 31.8  
125 20.3 16.4 24.6





#26  
Benzo(a)pyrene  
Concen: 1.684 ng/ul  
RT: 23.777 min Scan# 4919  
Delta R.T. -0.016 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

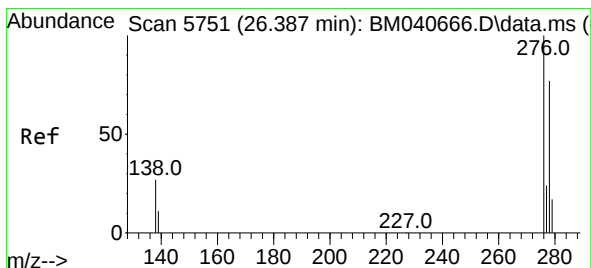
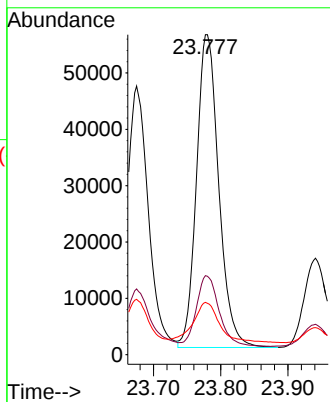
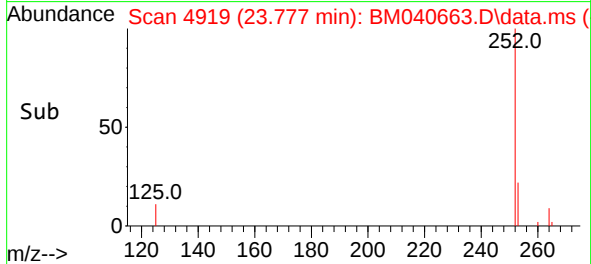
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



Tgt Ion:252 Resp: 12774  
Ion Ratio Lower Upper  
252 100  
253 24.7 22.9 34.3  
125 16.4 21.0 31.4

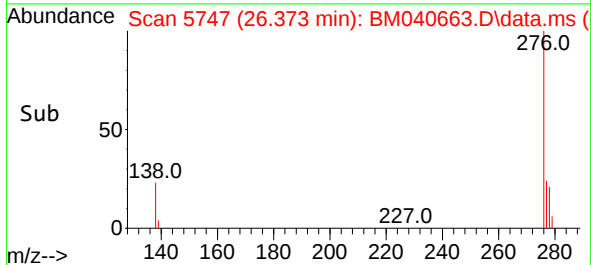
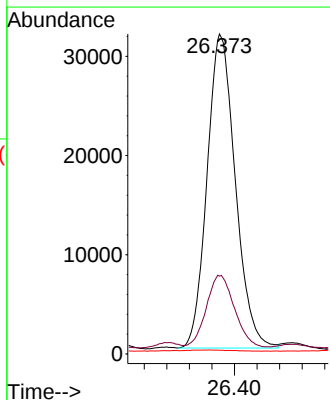
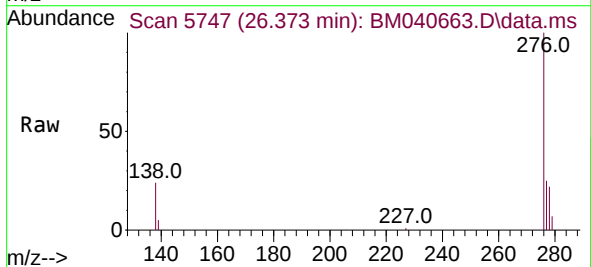
Manual Integrations  
APPROVED

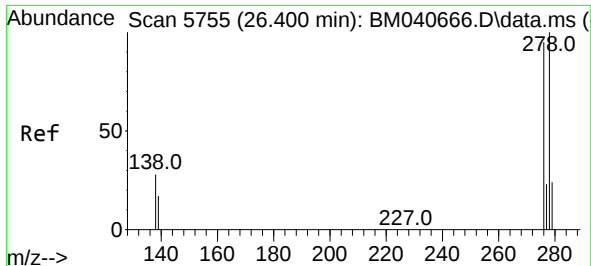
Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 1.042 ng/ul  
RT: 26.373 min Scan# 5747  
Delta R.T. -0.015 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

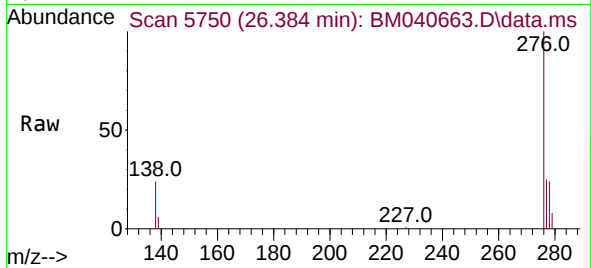
Tgt Ion:276 Resp: 110137  
Ion Ratio Lower Upper  
276 100  
138 23.3 24.5 36.7#  
227 0.0 0.1 0.1#





#28  
Dibenzo(a,h)anthracene  
Concen: 0.325 ng/ul  
RT: 26.384 min Scan# 51  
Delta R.T. -0.025 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

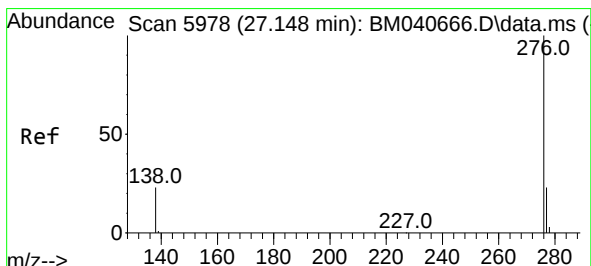
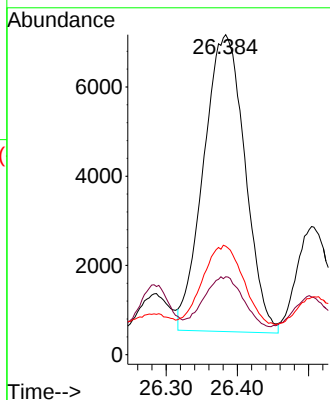
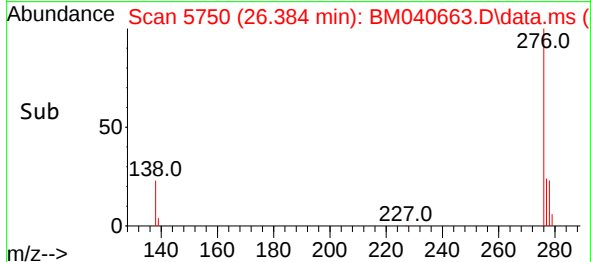
Instrument :  
BNA\_M  
ClientSampleId :  
DCGN2DL



Tgt Ion:278 Resp: 26852  
Ion Ratio Lower Upper  
278 100  
139 24.4 17.9 26.9  
279 33.9 22.0 33.0

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/06/2023  
Supervised By :Sohil Jodhani 07/06/2023



#29  
Benzo(g,h,i)perylene  
Concen: 0.950 ng/ul  
RT: 27.141 min Scan# 5976  
Delta R.T. -0.022 min  
Lab File: BM040663.D  
Acq: 06 Jul 2023 05:43

Tgt Ion:276 Resp: 87952  
Ion Ratio Lower Upper  
276 100  
138 26.4 23.0 34.6  
277 24.5 20.3 30.5

