

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070323\  
 Data File : BM040580.D  
 Acq On : 03 Jul 2023 18:06  
 Operator : MA/JU  
 Sample : 03242-03DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGA0DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/04/2023  
 Supervised By :Sohil Jodhani 07/04/2023

Quant Time: Jul 03 19:05:34 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 : Mon Jul 03 13:40:38 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.924  | 152  | 6560     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.733 | 136  | 23574    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.567 | 164  | 10740    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.318 | 188  | 20588    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.502 | 240  | 11765    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.910 | 264  | 12278    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.321  | 96   | 6768     | 0.657 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.322 | 152  | 1572     | 0.048 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.346 | 212  | 2146     | 0.057 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       | Qvalue |          |
| 10) Acenaphthylene          | 14.289 | 152  | 1196     | 0.025 | ng/ul# | 68       |
| 15) Phenanthrene            | 17.360 | 178  | 7896     | 0.123 | ng/ul  | 96       |
| 16) Anthracene              | 17.449 | 178  | 1606     | 0.030 | ng/ul# | 71       |
| 19) Fluoranthene            | 19.374 | 202  | 20730    | 0.415 | ng/ul  | 98       |
| 20) Pyrene                  | 19.736 | 202  | 18157m   | 0.339 | ng/ul  |          |
| 21) Benzo(a)anthracene      | 21.484 | 228  | 9822     | 0.247 | ng/ul# | 93       |
| 22) Chrysene                | 21.537 | 228  | 10204    | 0.225 | ng/ul# | 94       |
| 24) Benzo(b)fluoranthene    | 23.179 | 252  | 18257    | 0.384 | ng/ul  | 85       |
| 25) Benzo(k)fluoranthene    | 23.220 | 252  | 6788m    | 0.145 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.802 | 252  | 10677    | 0.249 | ng/ul# | 80       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.412 | 276  | 11046    | 0.185 | ng/ul# | 86       |
| 28) Dibenzo(a,h)anthracene  | 26.416 | 278  | 2594     | 0.056 | ng/ul# | 11       |
| 29) Benzo(g,h,i)perylene    | 27.187 | 276  | 10499    | 0.201 | ng/ul# | 90       |
| -----                       |        |      |          |       |        |          |

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

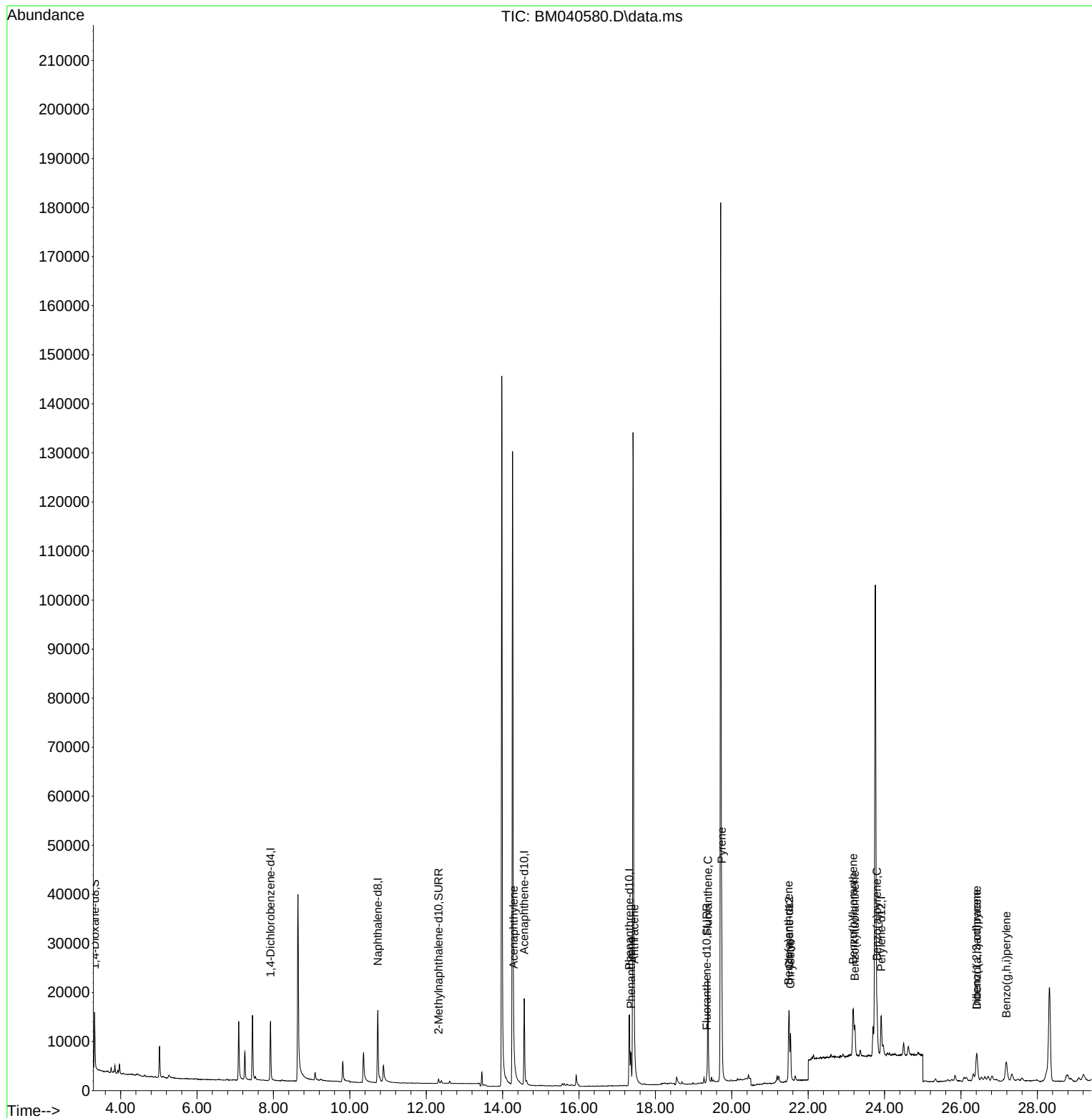
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM070323\  
Data File : BM040580.D  
Acq On : 03 Jul 2023 18:06  
Operator : MA/JU  
Sample : 03242-03DL 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

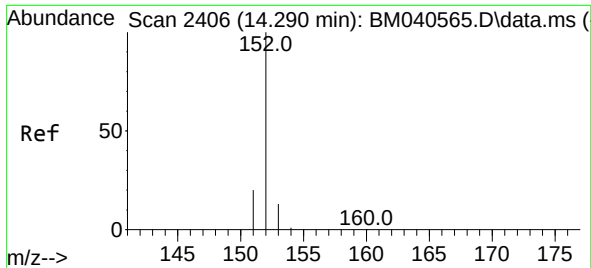
Instrument :  
BNA\_M  
ClientSampleId :  
DCGA0DL

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

Quant Time: Jul 03 19:05:34 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 : Mon Jul 03 13:40:38 2023  
Response via : Initial Calibration





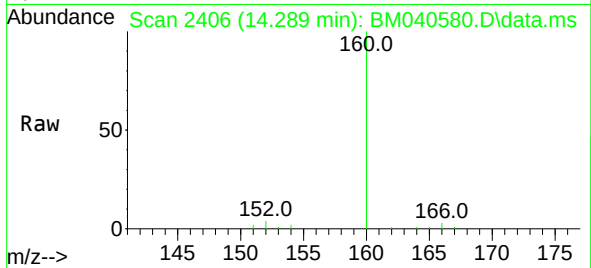
#10  
Acenaphthylene  
Concen: 0.025 ng/ul  
RT: 14.289 min Scan# 2406  
Delta R.T. -0.001 min  
Lab File: BM040580.D  
Acq: 03 Jul 2023 18:06

Instrument :

BNA\_M

ClientSampleId :

DCGA0DL

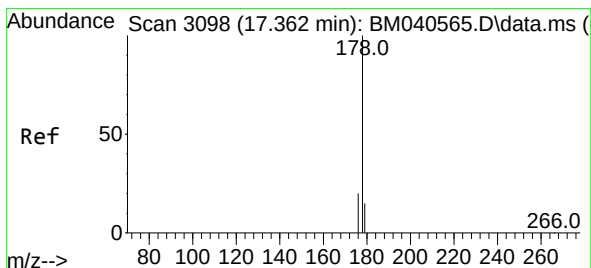
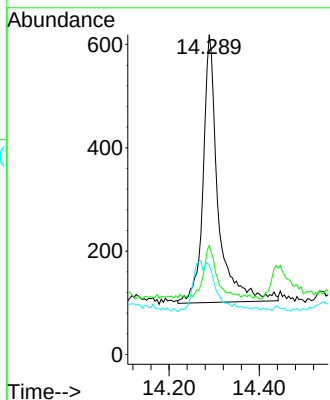
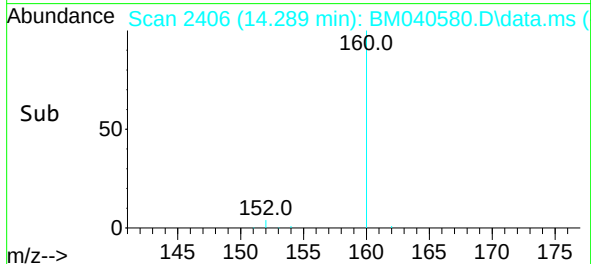


Tgt Ion:152 Resp: 1190  
Ion Ratio Lower Upper  
152 100  
151 34.1 16.2 24.2  
153 27.8 10.9 16.3

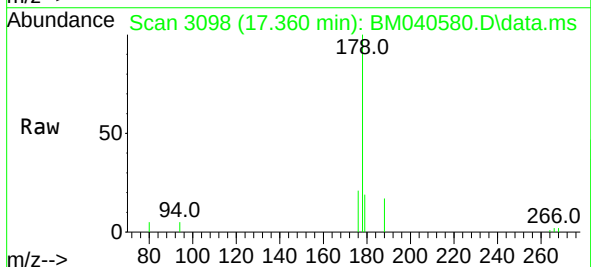
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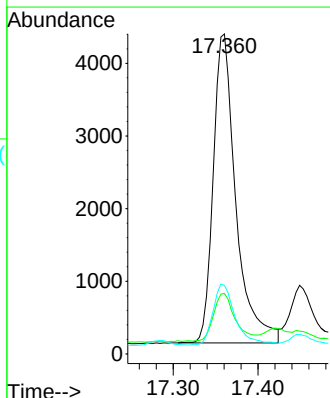
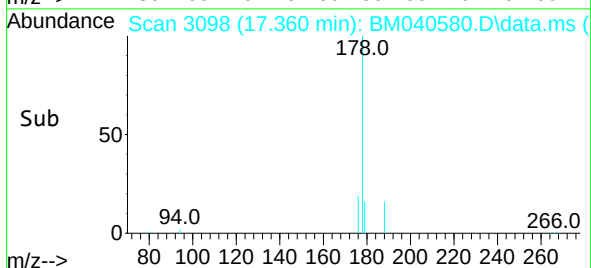
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023

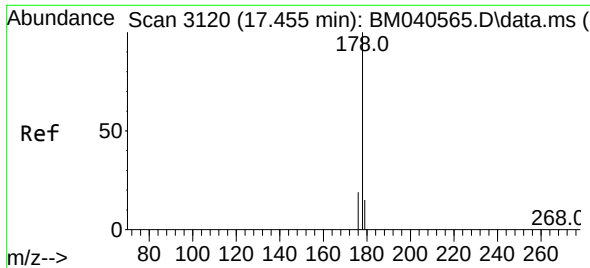


#15  
Phenanthrene  
Concen: 0.123 ng/ul  
RT: 17.360 min Scan# 3098  
Delta R.T. -0.001 min  
Lab File: BM040580.D  
Acq: 03 Jul 2023 18:06



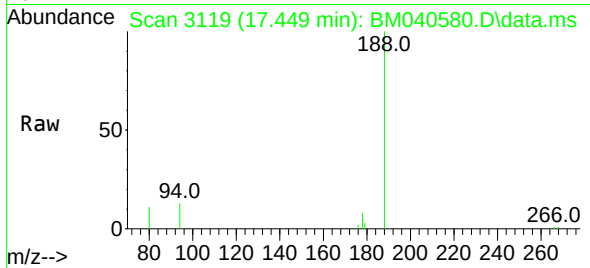
Tgt Ion:178 Resp: 7896  
Ion Ratio Lower Upper  
178 100  
179 18.9 12.8 19.2  
176 21.4 16.4 24.6





#16  
 Anthracene  
 Concen: 0.030 ng/ul  
 RT: 17.449 min Scan# 3119  
 Delta R.T. -0.006 min  
 Lab File: BM040580.D  
 Acq: 03 Jul 2023 18:06

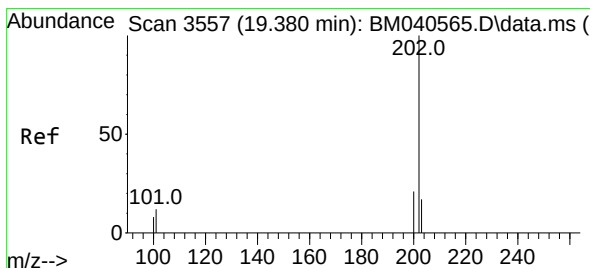
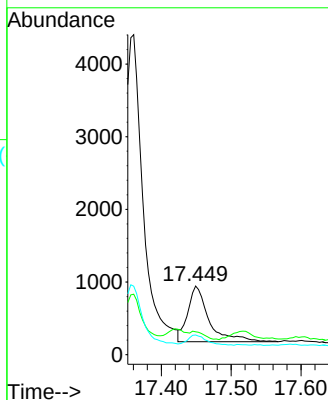
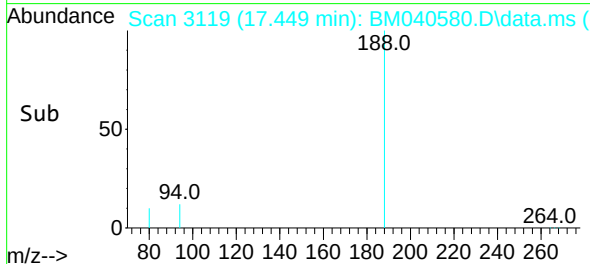
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGA0DL



Tgt Ion:178 Resp: 1600  
 Ion Ratio Lower Upper  
 178 100  
 179 33.4 12.9 19.3  
 176 28.7 15.8 23.6

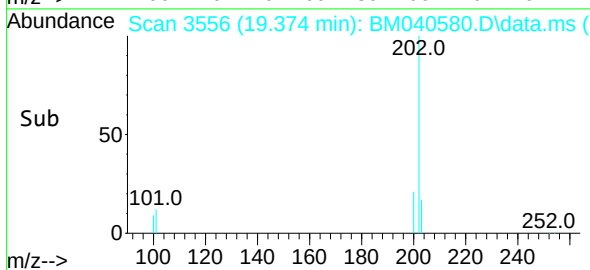
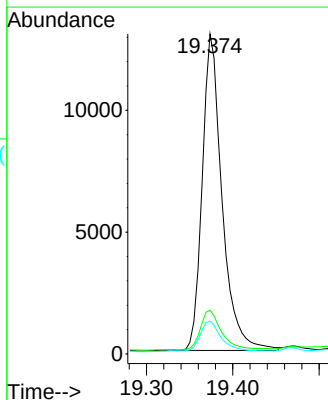
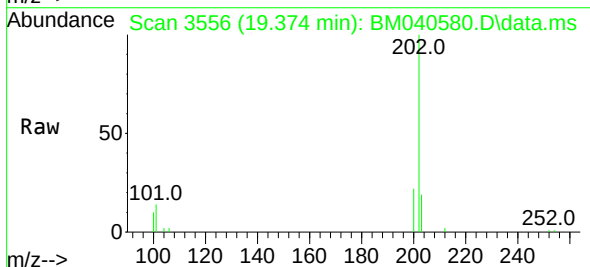
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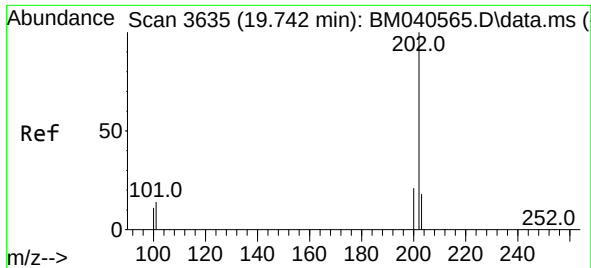
Reviewed By :Yogesh Patel 07/04/2023  
 Supervised By :Sohil Jodhani 07/04/2023



#19  
 Fluoranthene  
 Concen: 0.415 ng/ul  
 RT: 19.374 min Scan# 3556  
 Delta R.T. -0.006 min  
 Lab File: BM040580.D  
 Acq: 03 Jul 2023 18:06

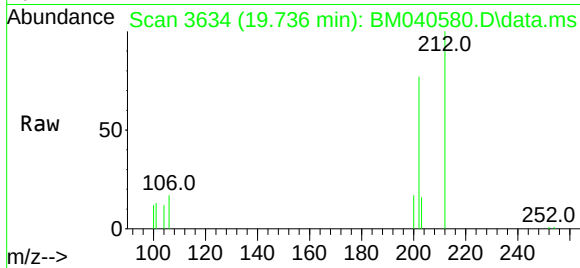
Tgt Ion:202 Resp: 20730  
 Ion Ratio Lower Upper  
 202 100  
 101 13.7 11.4 17.0  
 100 10.2 8.7 13.1





#20  
Pyrene  
Concen: 0.339 ng/ul m  
RT: 19.736 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: BM040580.D  
Acq: 03 Jul 2023 18:06

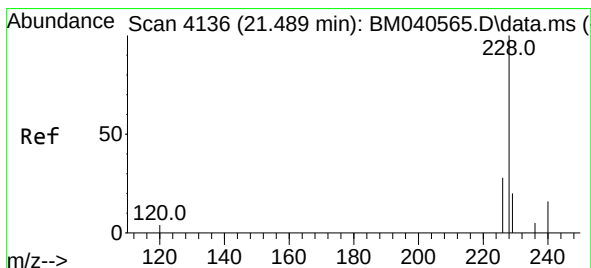
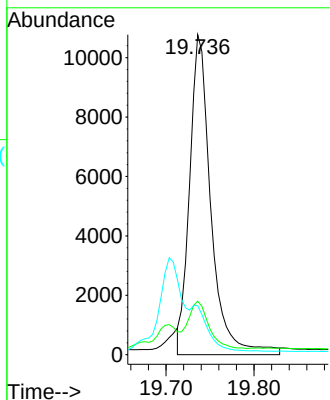
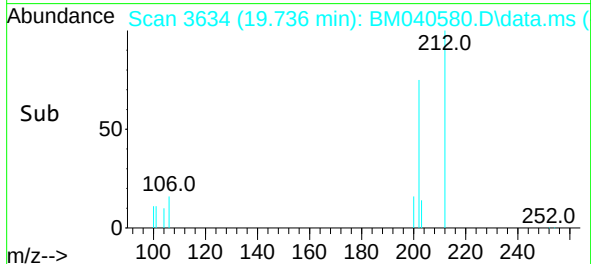
Instrument :  
BNA\_M  
ClientSampleId :  
DCGA0DL



Tgt Ion:202 Resp: 1815  
Ion Ratio Lower Upper  
202 100  
101 16.7 12.6 18.8  
100 15.3 9.8 14.6

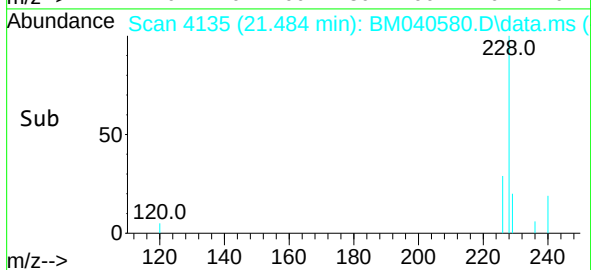
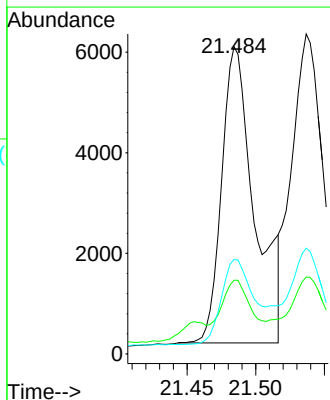
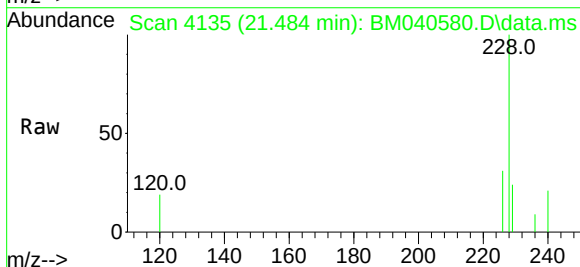
Manual Integrations  
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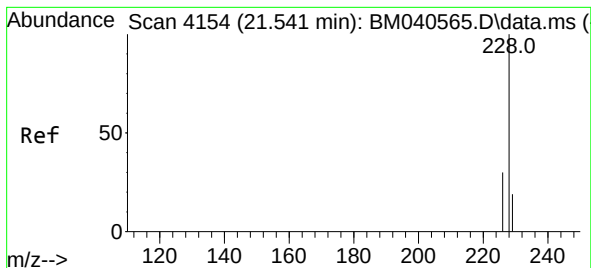
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#21  
Benzo(a)anthracene  
Concen: 0.247 ng/ul  
RT: 21.484 min Scan# 4135  
Delta R.T. -0.004 min  
Lab File: BM040580.D  
Acq: 03 Jul 2023 18:06

Tgt Ion:228 Resp: 9822  
Ion Ratio Lower Upper  
228 100  
229 24.0 16.0 24.0#  
226 30.7 22.3 33.5





#22

Chrysene

Concen: 0.225 ng/ul

RT: 21.537 min Scan# 4153

Delta R.T. -0.004 min

Lab File: BM040580.D

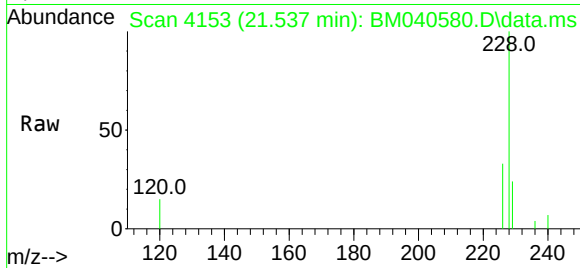
Acq: 03 Jul 2023 18:06

Instrument :

BNA\_M

ClientSampleId :

DCGA0DL



Tgt Ion:228 Resp: 10204

Ion Ratio Lower Upper

228 100

226 33.1 24.9 37.3

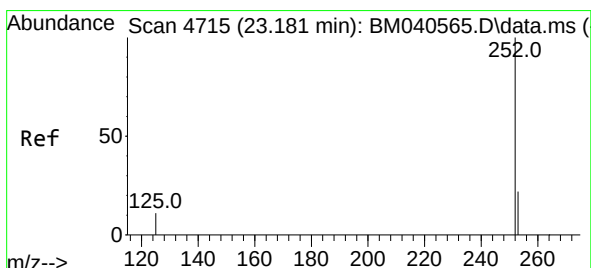
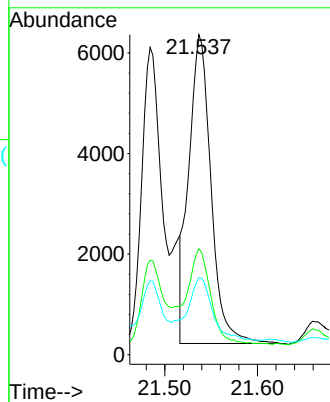
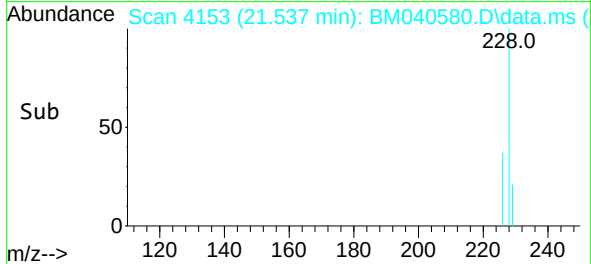
229 24.0 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/04/2023

Supervised By :Sohil Jodhani 07/04/2023



#24

Benzo(b)fluoranthene

Concen: 0.384 ng/ul

RT: 23.179 min Scan# 4715

Delta R.T. -0.001 min

Lab File: BM040580.D

Acq: 03 Jul 2023 18:06

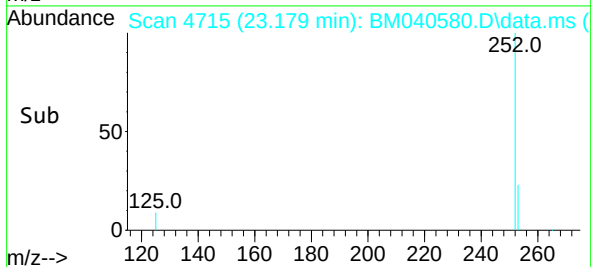
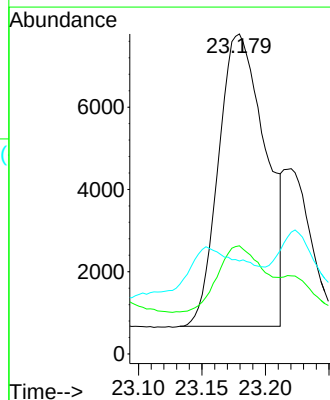
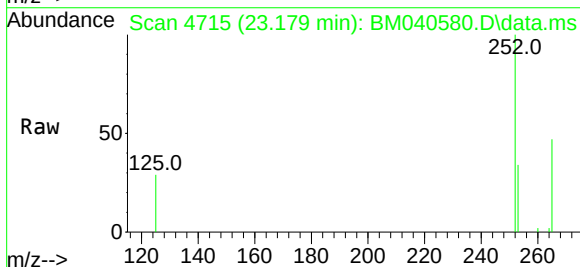
Tgt Ion:252 Resp: 18257

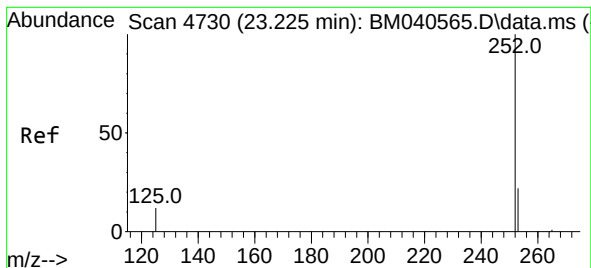
Ion Ratio Lower Upper

252 100

253 33.8 0.0 52.8

125 29.0 0.0 43.0





#25

Benzo(k)fluoranthene

Concen: 0.145 ng/ul m

RT: 23.220 min Scan# 4730

Delta R.T. -0.004 min

Lab File: BM040580.D

Acq: 03 Jul 2023 18:06

Instrument :

BNA\_M

ClientSampleId :

DCGA0DL

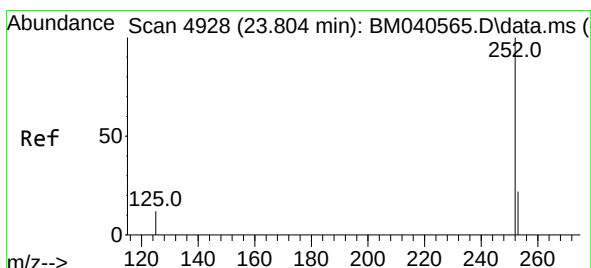
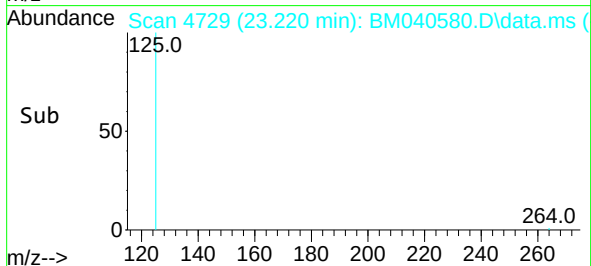
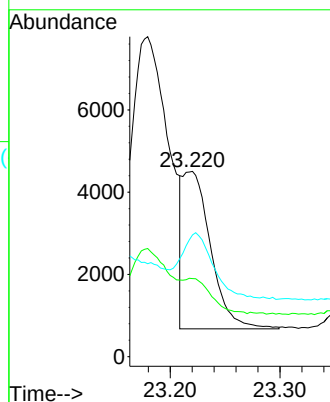
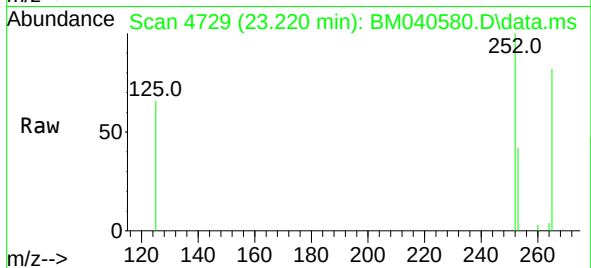
Tgt Ion:252 Resp: 6788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 42.2  | 21.2  | 31.8  |
| 125 | 65.7  | 16.4  | 24.6  |

Manual Integrations

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Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



#26

Benzo(a)pyrene

Concen: 0.249 ng/ul

RT: 23.802 min Scan# 4928

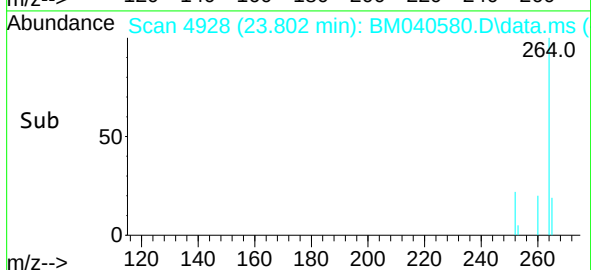
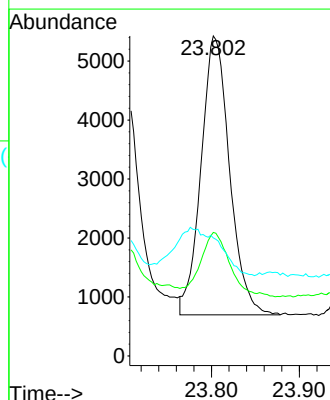
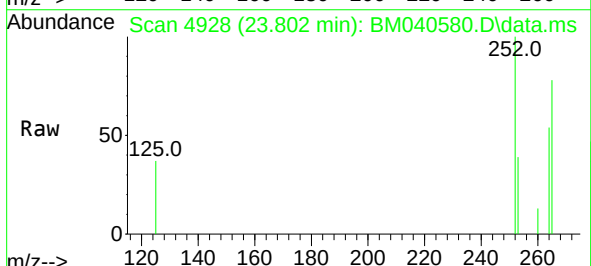
Delta R.T. -0.001 min

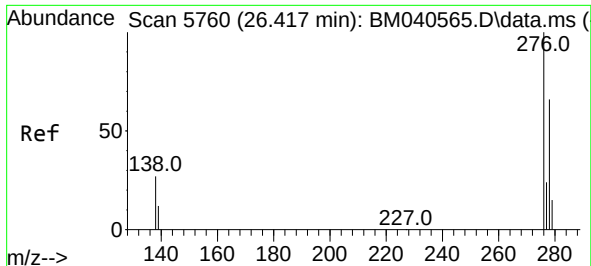
Lab File: BM040580.D

Acq: 03 Jul 2023 18:06

Tgt Ion:252 Resp: 10677

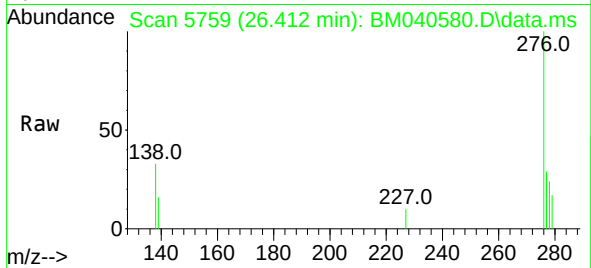
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 38.6  | 22.9  | 34.3  |
| 125 | 36.9  | 21.0  | 31.4  |





#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.185 ng/ul  
RT: 26.412 min Scan# 51  
Delta R.T. -0.005 min  
Lab File: BM040580.D  
Acq: 03 Jul 2023 18:06

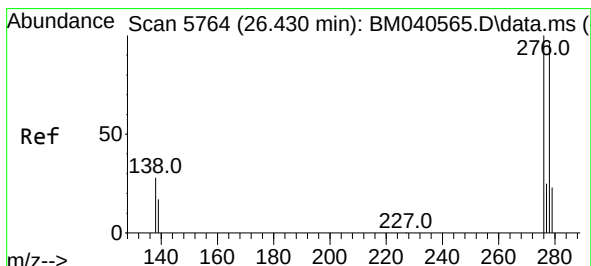
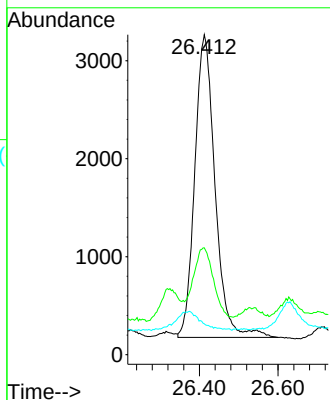
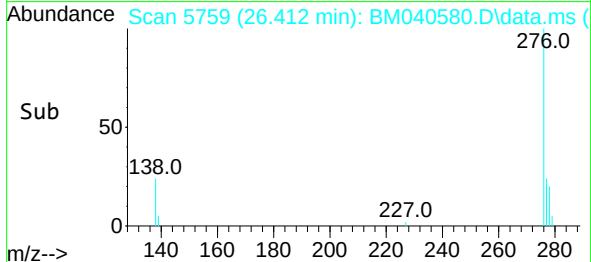
Instrument :  
BNA\_M  
ClientSampleId :  
DCGA0DL



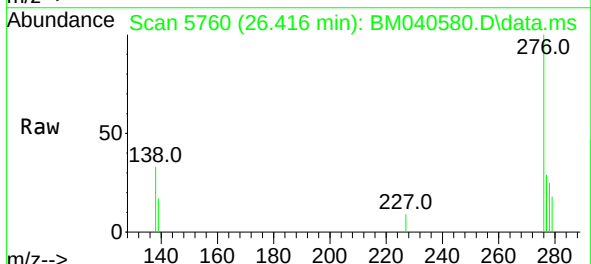
Tgt Ion:276 Resp: 11040  
Ion Ratio Lower Upper  
276 100  
138 22.8 24.5 36.7#  
227 0.0 0.1 0.1#

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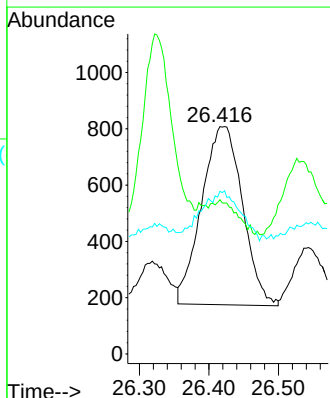
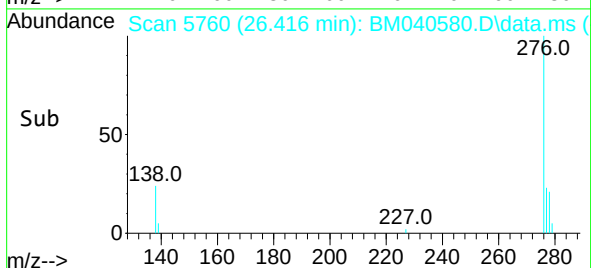
Reviewed By :Yogesh Patel 07/04/2023  
Supervised By :Sohil Jodhani 07/04/2023



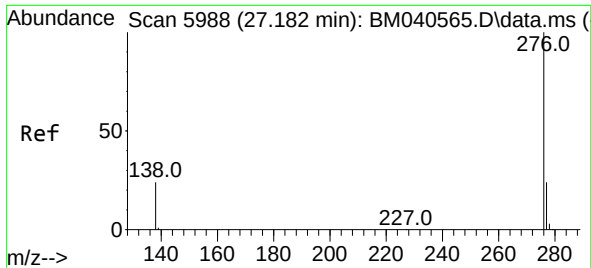
#28  
Dibenzo(a,h)anthracene  
Concen: 0.056 ng/ul  
RT: 26.416 min Scan# 5760  
Delta R.T. -0.015 min  
Lab File: BM040580.D  
Acq: 03 Jul 2023 18:06



Tgt Ion:278 Resp: 2594  
Ion Ratio Lower Upper  
278 100  
139 67.8 17.9 26.9#  
279 71.5 22.0 33.0#

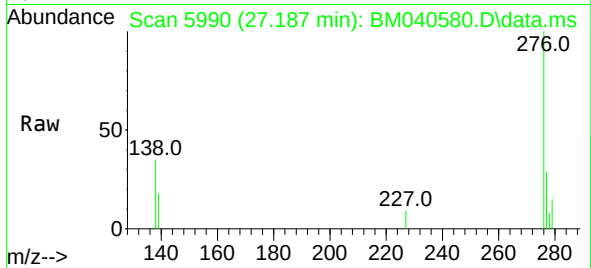






#29  
 Benzo(g,h,i)perylene  
 Concen: 0.201 ng/ul  
 RT: 27.187 min Scan# 5988  
 Delta R.T. 0.005 min  
 Lab File: BM040580.D  
 Acq: 03 Jul 2023 18:06

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DCGA0DL



Tgt Ion:276 Resp: 10499  
 Ion Ratio Lower Upper  
 276 100  
 138 35.4 23.0 34.6  
 277 29.4 20.3 30.5

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