

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042723\  
 Data File : BM039762.D  
 Acq On : 29 Apr 2023 07:20  
 Operator : CG/JU  
 Sample : 02417-03DL 5X  
 Misc :  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EW8W9DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/01/2023  
 Supervised By : Jagrut Upadhyay 05/01/2023

Quant Time: May 01 01:32:56 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 29 04:28:45 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.800  | 152  | 4497     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.600 | 136  | 18053    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.446 | 164  | 11215    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.200 | 188  | 22382    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.395 | 240  | 12937    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.742 | 264  | 10956    | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.193  | 96   | 2269     | 0.342 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.206 | 152  | 639      | 0.028 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.229 | 212  | 1259     | 0.036 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.650 | 128  | 5497     | 0.121 | ng/ul# | 94       |
| 7) 2-Methylnaphthalene      | 12.278 | 142  | 2939     | 0.112 | ng/ul  | 96       |
| 8) 1-Methylnaphthalene      | 12.492 | 142  | 3214     | 0.115 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.168 | 152  | 8000     | 0.184 | ng/ul  | 95       |
| 11) Acenaphthene            | 14.511 | 153  | 4717     | 0.138 | ng/ul  | 97       |
| 12) Fluorene                | 15.501 | 166  | 8051     | 0.213 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.238 | 178  | 131564   | 2.231 | ng/ul  | 99       |
| 16) Anthracene              | 17.335 | 178  | 37358    | 0.738 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.262 | 202  | 221286   | 4.795 | ng/ul  | 98       |
| 20) Pyrene                  | 19.624 | 202  | 194849   | 3.909 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.381 | 228  | 83040    | 2.233 | ng/ul  | 99       |
| 22) Chrysene                | 21.430 | 228  | 73394    | 1.744 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.032 | 252  | 88530    | 2.301 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.070 | 252  | 27508m   | 0.702 | ng/ul  |          |
| 26) Benzo(a)pyrene          | 23.637 | 252  | 57058    | 1.652 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.162 | 276  | 41873    | 0.959 | ng/ul# | 90       |
| 28) Dibenzo(a,h)anthracene  | 26.169 | 278  | 9701     | 0.286 | ng/ul# | 91       |
| 29) Benzo(g,h,i)perylene    | 26.914 | 276  | 39159    | 1.029 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

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

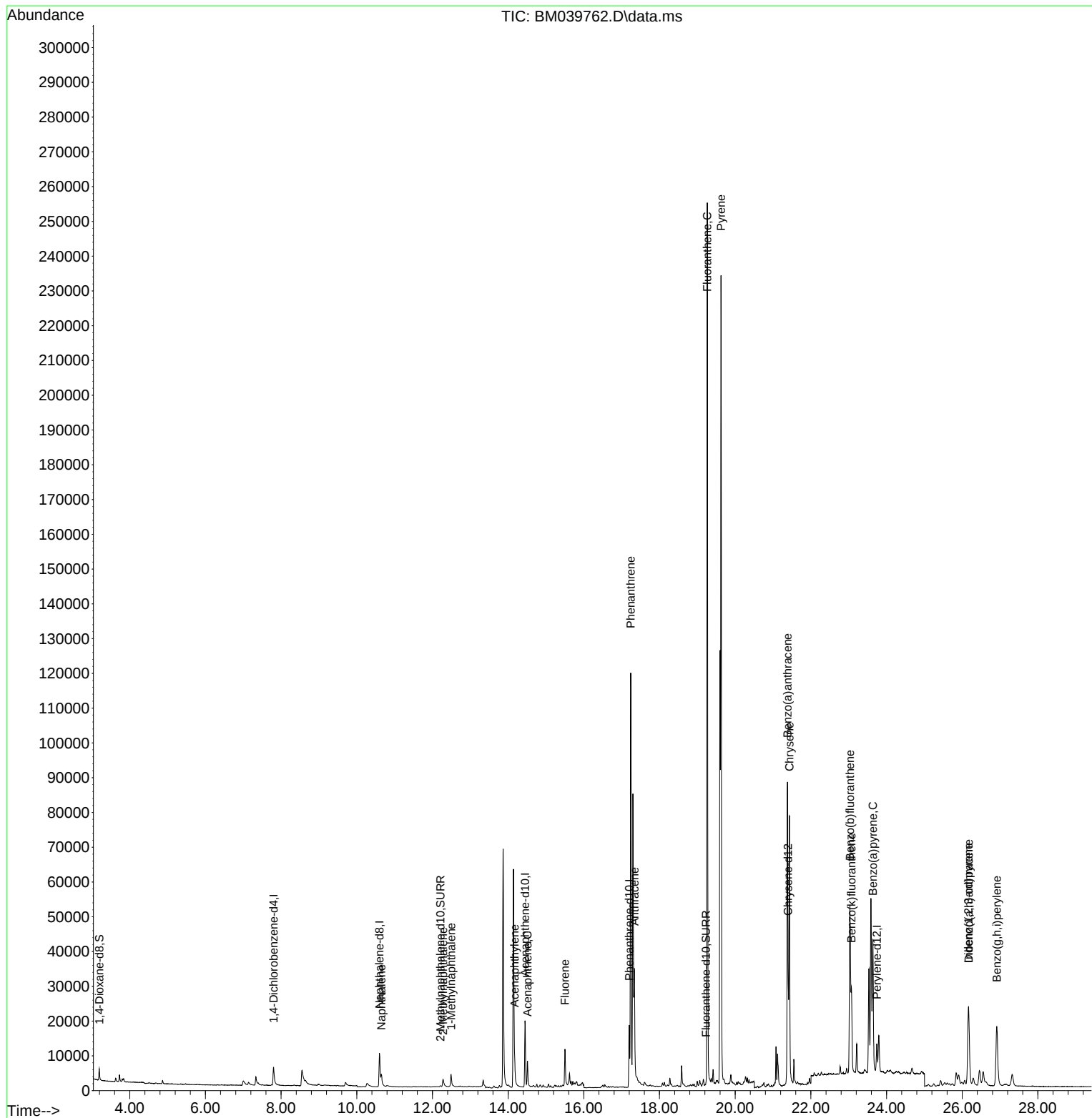
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM042723\  
Data File : BM039762.D  
Acq On : 29 Apr 2023 07:20  
Operator : CG/JU  
Sample : 02417-03DL 5X  
Misc :  
ALS Vial : 66 Sample Multiplier: 1

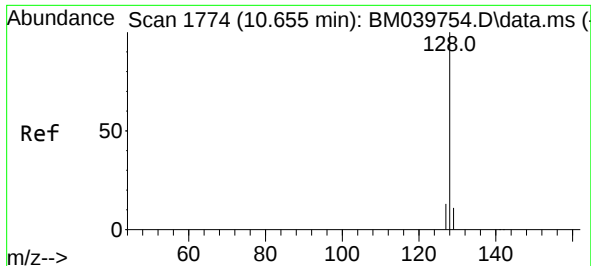
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL

Quant Time: May 01 01:32:56 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Apr 29 04:28:45 2023  
Response via : Initial Calibration

Manual Integrations  
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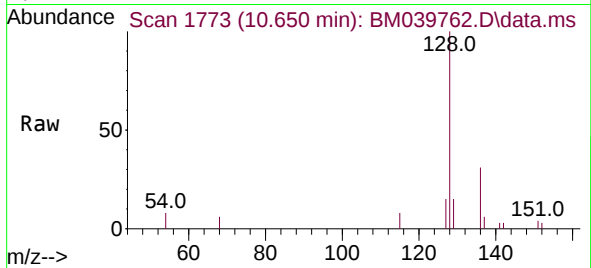
Reviewed By : Christian Giraldo 05/01/2023  
Supervised By : Jagrut Upadhyay 05/01/2023





#5  
Naphthalene  
Concen: 0.121 ng/ul  
RT: 10.650 min Scan# 1774  
Delta R.T. -0.005 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

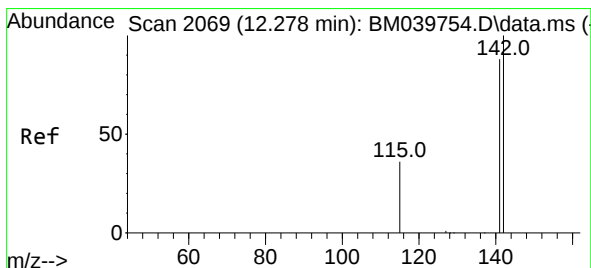
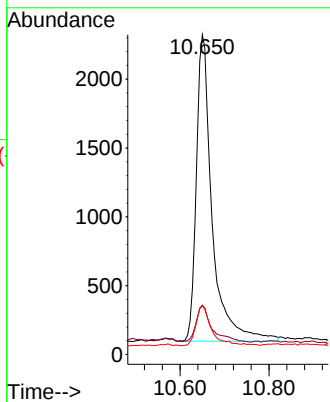
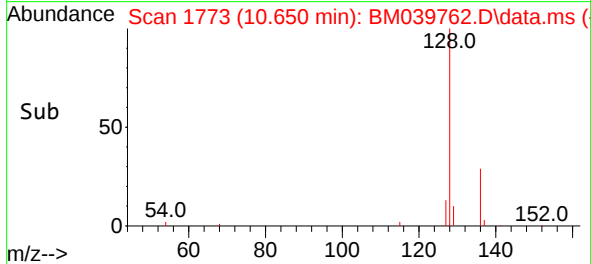
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



Tgt Ion:128 Resp: 5492  
Ion Ratio Lower Upper  
128 100  
129 15.2 9.8 14.6  
127 15.5 11.1 16.7

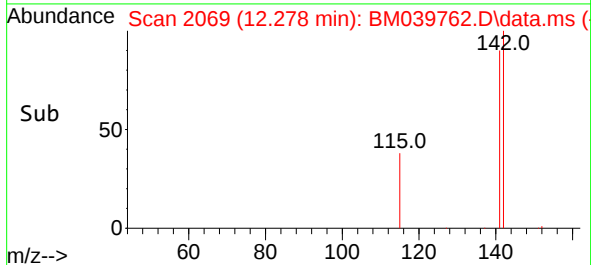
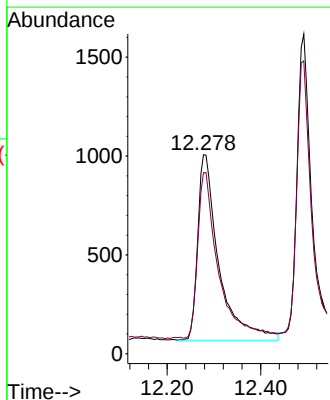
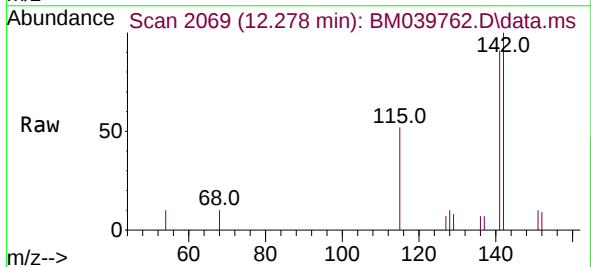
Manual Integrations  
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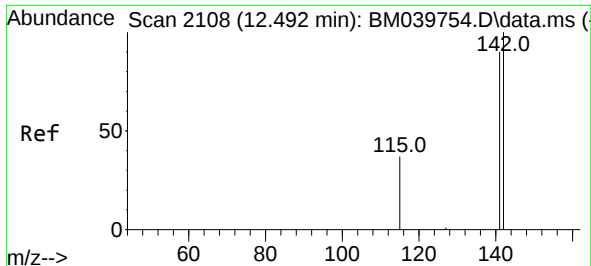
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#7  
2-Methylnaphthalene  
Concen: 0.112 ng/ul  
RT: 12.278 min Scan# 2069  
Delta R.T. 0.000 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

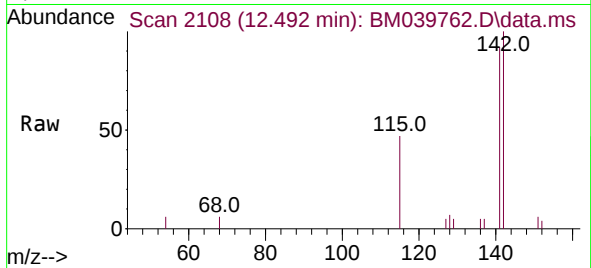
Tgt Ion:142 Resp: 2939  
Ion Ratio Lower Upper  
142 100  
141 87.4 73.2 109.8





#8  
1-Methylnaphthalene  
Concen: 0.115 ng/ul  
RT: 12.492 min Scan# 2108  
Delta R.T. 0.000 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

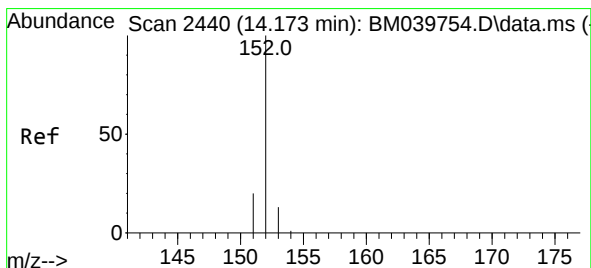
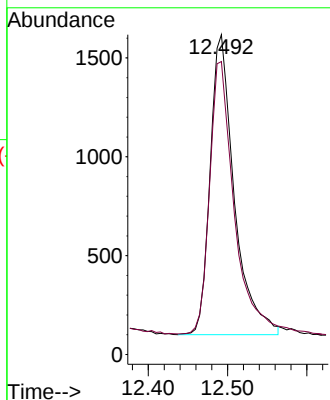
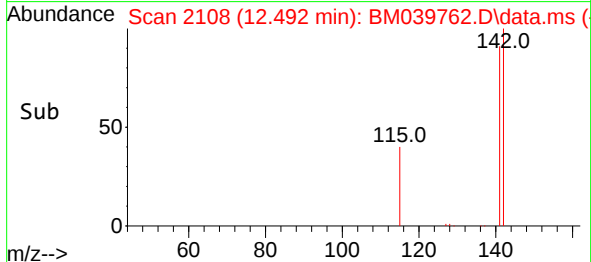
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



Tgt Ion:142 Resp: 3214  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.4 110.2

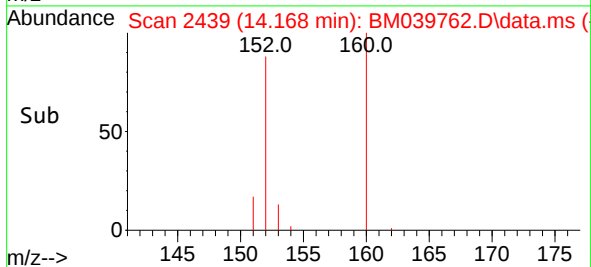
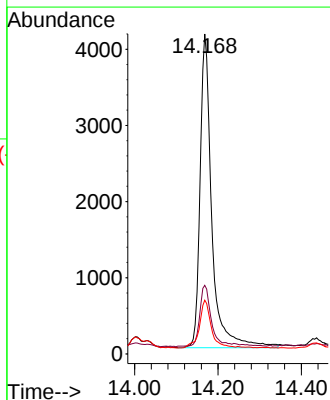
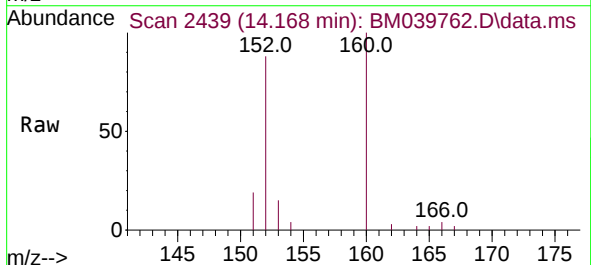
Manual Integrations  
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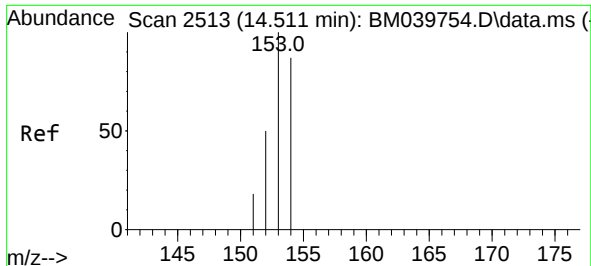
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#10  
Acenaphthylene  
Concen: 0.184 ng/ul  
RT: 14.168 min Scan# 2439  
Delta R.T. -0.005 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

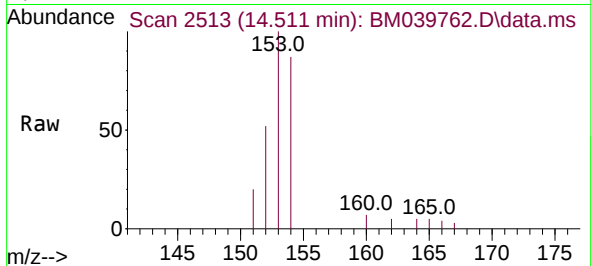
Tgt Ion:152 Resp: 8000  
Ion Ratio Lower Upper  
152 100  
151 21.4 16.0 24.0  
153 16.8 11.2 16.8





#11  
Acenaphthene  
Concen: 0.138 ng/ul  
RT: 14.511 min Scan# 2513  
Delta R.T. 0.000 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

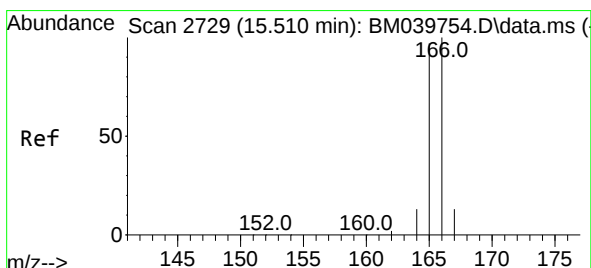
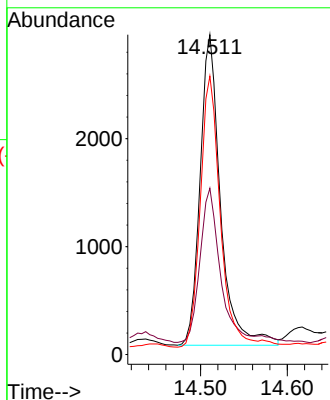
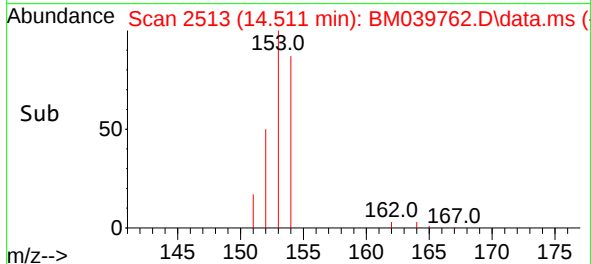
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



Tgt Ion:153 Resp: 471  
Ion Ratio Lower Upper  
153 100  
152 52.0 40.6 61.0  
154 87.0 71.9 107.9

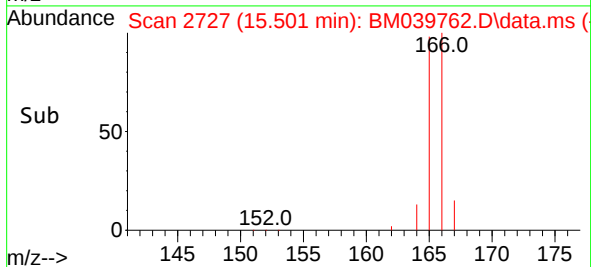
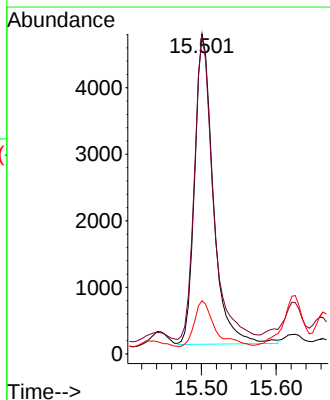
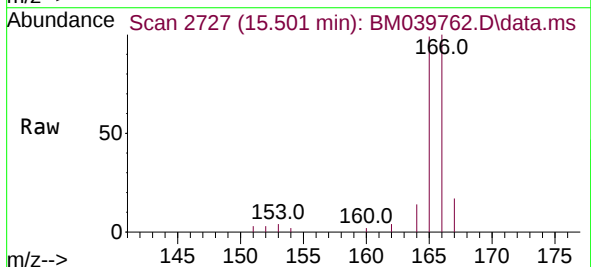
Manual Integrations  
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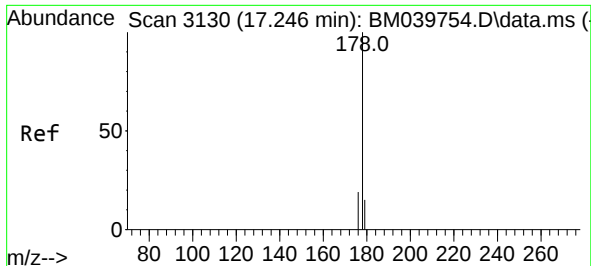
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#12  
Fluorene  
Concen: 0.213 ng/ul  
RT: 15.501 min Scan# 2727  
Delta R.T. -0.009 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

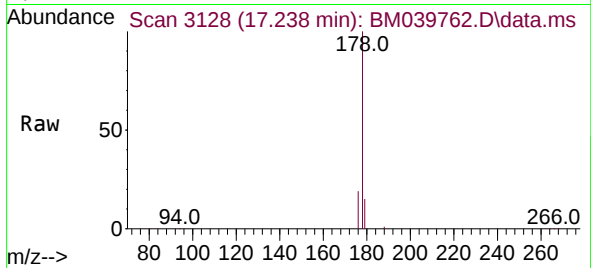
Tgt Ion:166 Resp: 8051  
Ion Ratio Lower Upper  
166 100  
165 99.2 79.0 118.6  
167 16.6 11.8 17.6





#15  
Phenanthrene  
Concen: 2.231 ng/ul  
RT: 17.238 min Scan# 3112  
Delta R.T. -0.008 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

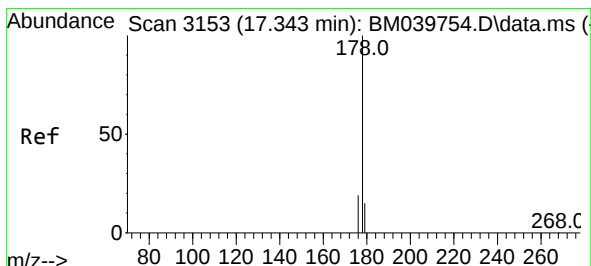
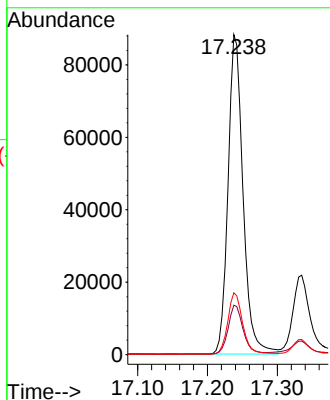
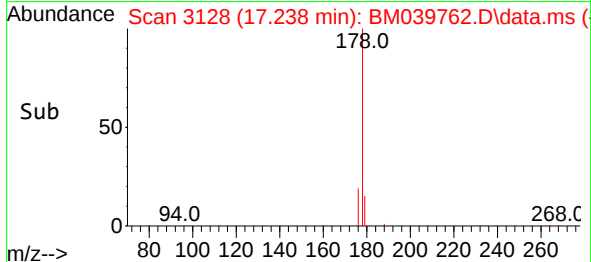
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



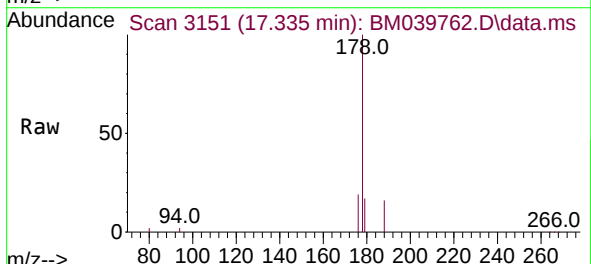
Tgt Ion:178 Resp: 131564  
Ion Ratio Lower Upper  
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179 15.4 13.0 19.6  
176 19.3 15.8 23.8

Manual Integrations  
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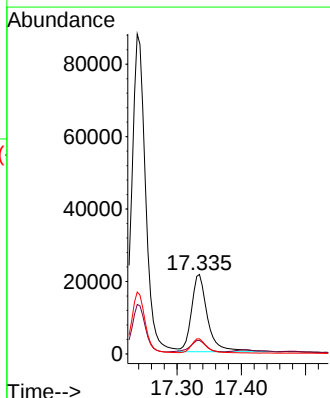
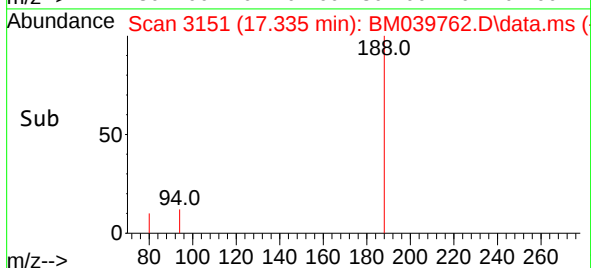
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

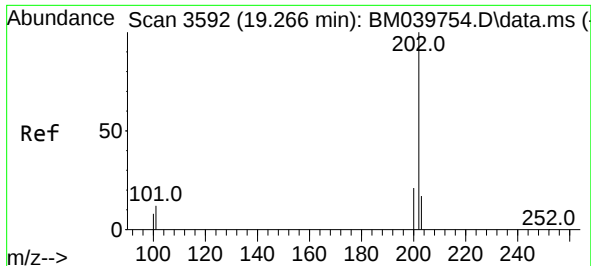


#16  
Anthracene  
Concen: 0.738 ng/ul  
RT: 17.335 min Scan# 3151  
Delta R.T. -0.008 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20



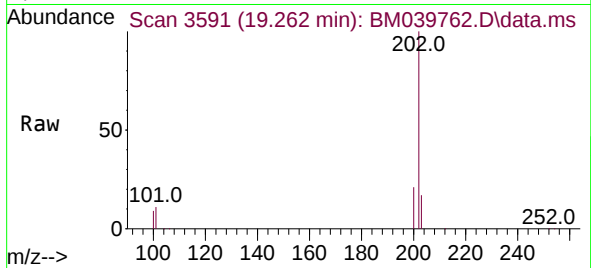
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Ion Ratio Lower Upper  
178 100  
179 17.0 13.8 20.6  
176 19.0 15.8 23.8





#19  
Fluoranthene  
Concen: 4.795 ng/u1  
RT: 19.262 min Scan# 3591  
Delta R.T. -0.005 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

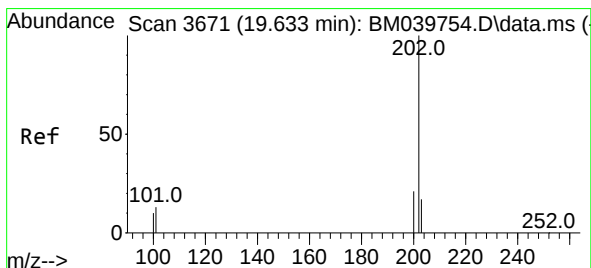
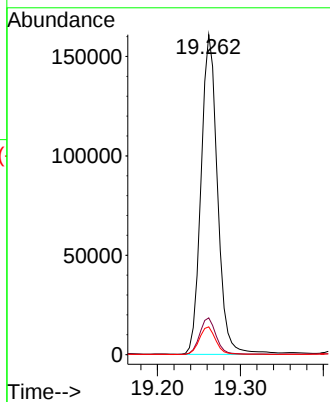
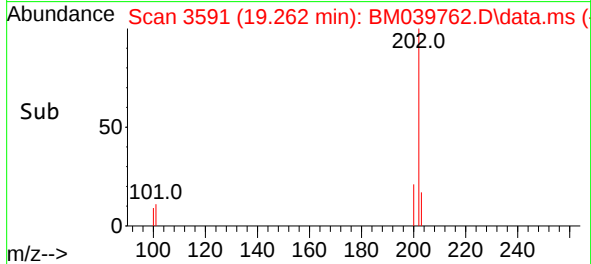
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



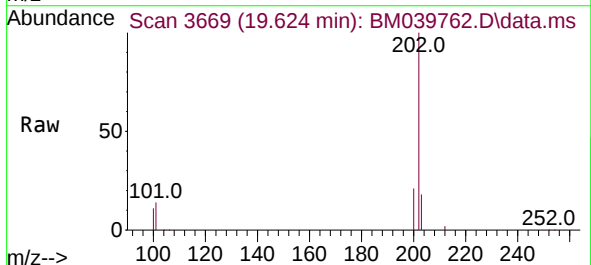
Tgt Ion:202 Resp: 221286  
Ion Ratio Lower Upper  
202 100  
101 11.5 9.8 14.8  
100 8.7 7.3 10.9

Manual Integrations  
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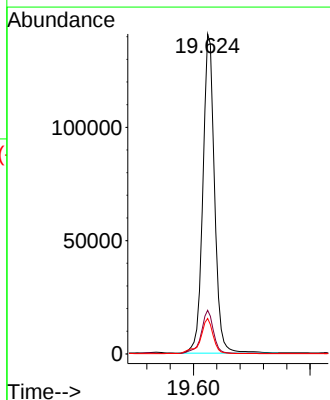
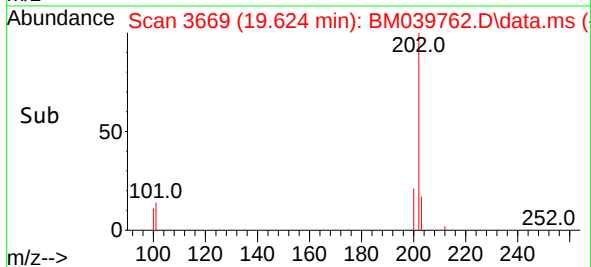
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

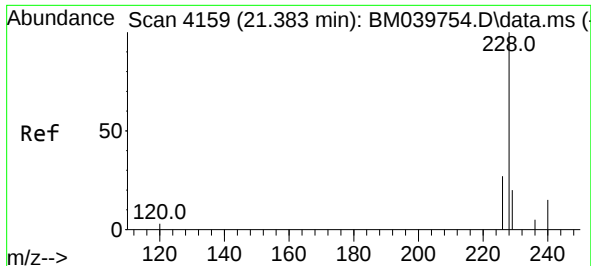


#20  
Pyrene  
Concen: 3.909 ng/u1  
RT: 19.624 min Scan# 3669  
Delta R.T. -0.009 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20



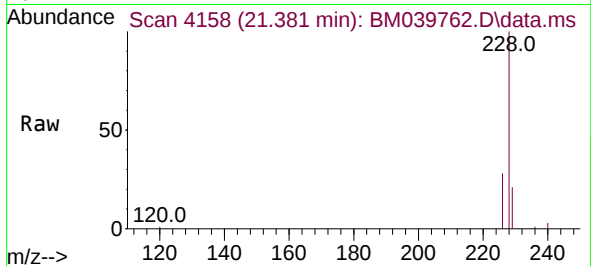
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Ion Ratio Lower Upper  
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100 11.1 8.9 13.3





#21  
Benzo(a)anthracene  
Concen: 2.233 ng/ul  
RT: 21.381 min Scan# 4159  
Delta R.T. -0.003 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

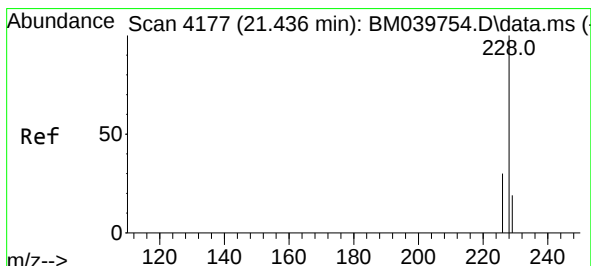
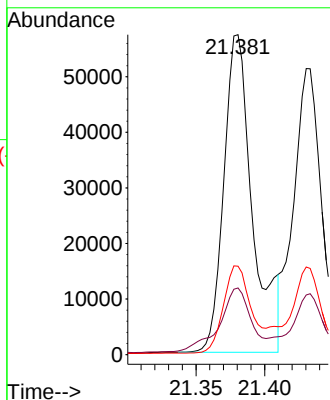
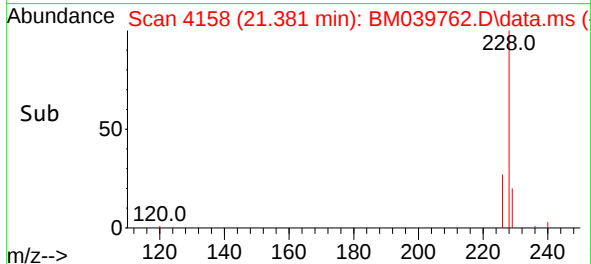
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



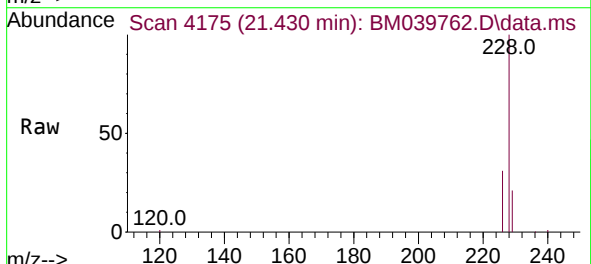
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228 100  
229 20.8 16.2 24.2  
226 27.6 21.6 32.4

Manual Integrations  
APPROVED

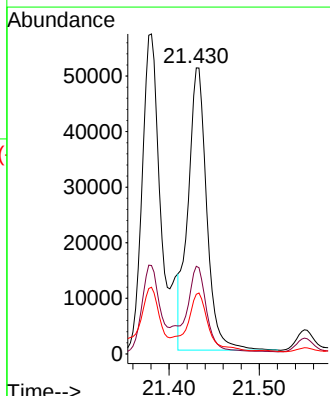
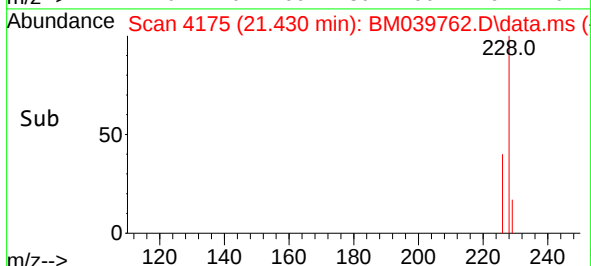
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

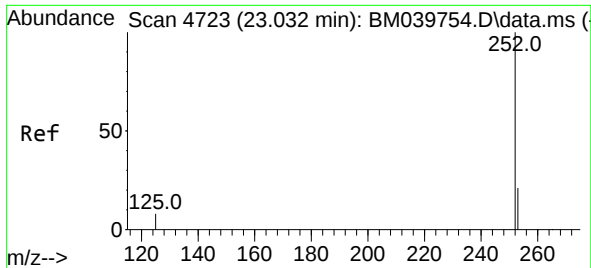


#22  
Chrysene  
Concen: 1.744 ng/ul  
RT: 21.430 min Scan# 4175  
Delta R.T. -0.006 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20



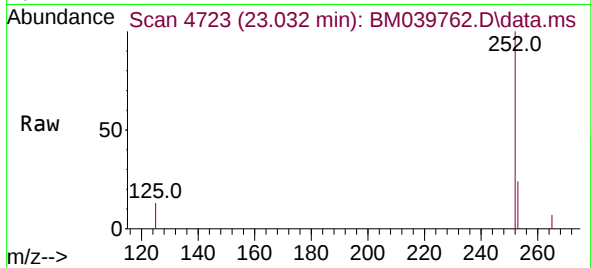
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Ion Ratio Lower Upper  
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226 30.6 24.3 36.5  
229 20.8 15.9 23.9





#24  
Benzo(b)fluoranthene  
Concen: 2.301 ng/ul  
RT: 23.032 min Scan# 4723  
Delta R.T. 0.000 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

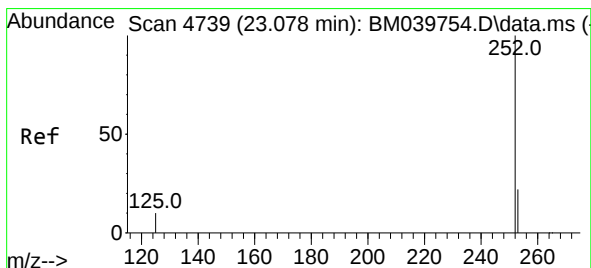
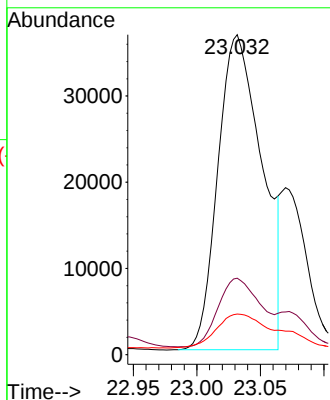
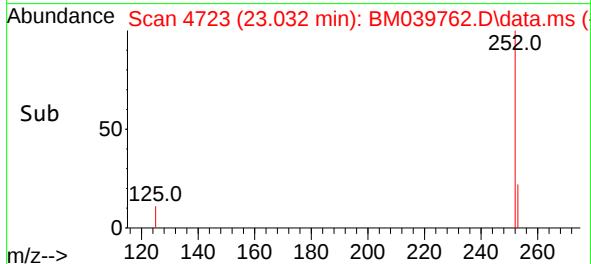
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



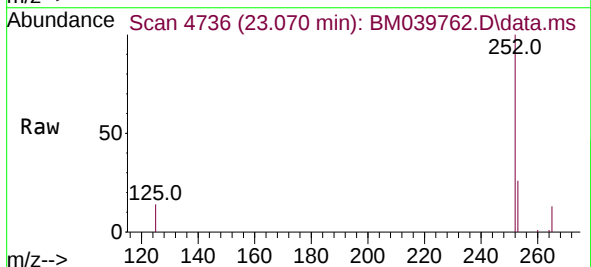
Tgt Ion:252 Resp: 88530  
Ion Ratio Lower Upper  
252 100  
253 23.9 0.0 52.8  
125 12.7 0.0 31.6

Manual Integrations  
APPROVED

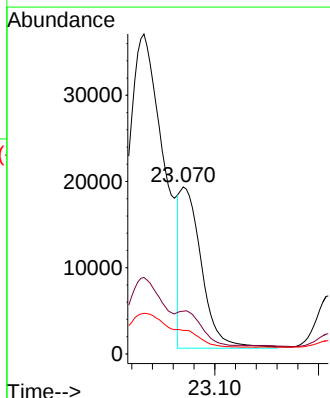
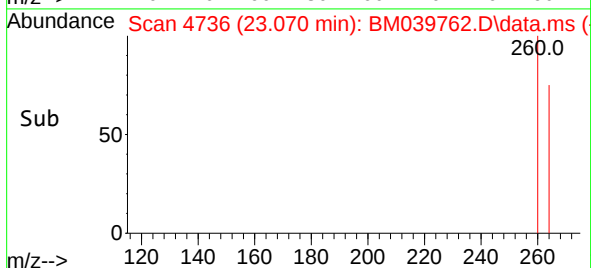
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023

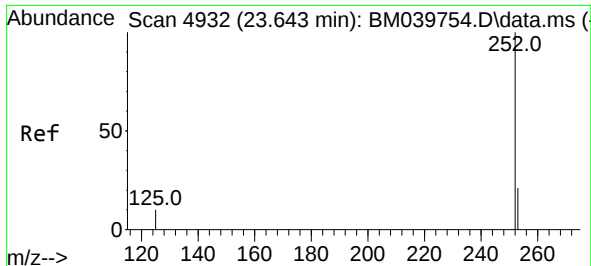


#25  
Benzo(k)fluoranthene  
Concen: 0.702 ng/ul m  
RT: 23.070 min Scan# 4736  
Delta R.T. -0.009 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20



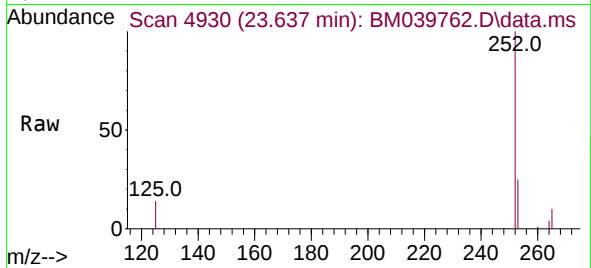
Tgt Ion:252 Resp: 27508  
Ion Ratio Lower Upper  
252 100  
253 25.6 21.3 31.9  
125 14.1 13.0 19.6





#26  
Benzo(a)pyrene  
Concen: 1.652 ng/ul  
RT: 23.637 min Scan# 4930  
Delta R.T. -0.006 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

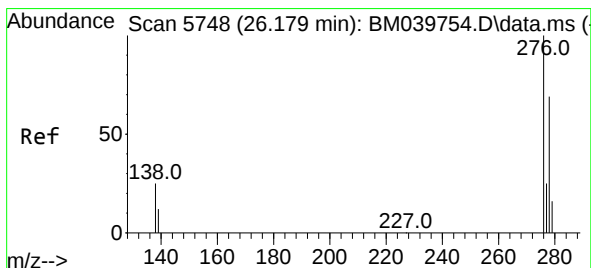
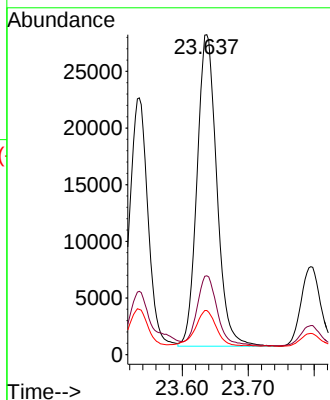
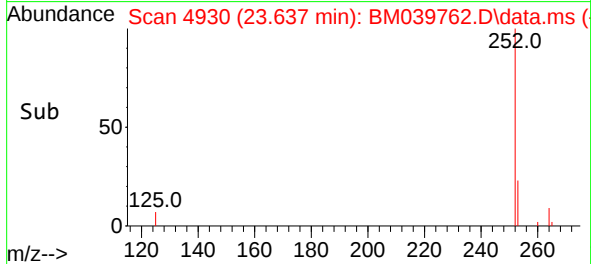
Instrument :  
BNA\_M  
ClientSampleId :  
EW8W9DL



Tgt Ion:252 Resp: 57058  
Ion Ratio Lower Upper  
252 100  
253 24.6 24.7 37.1#  
125 13.8 16.5 24.7#

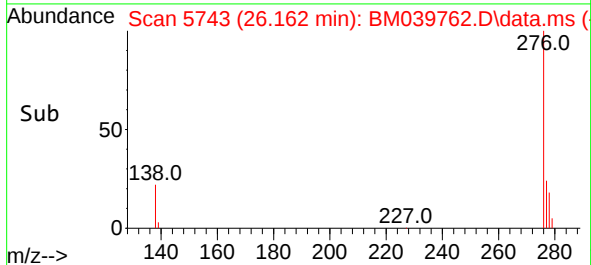
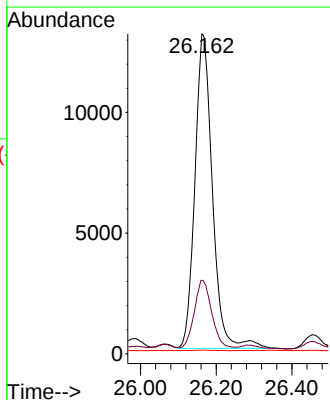
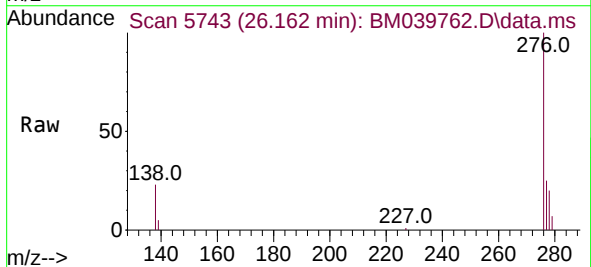
Manual Integrations  
APPROVED

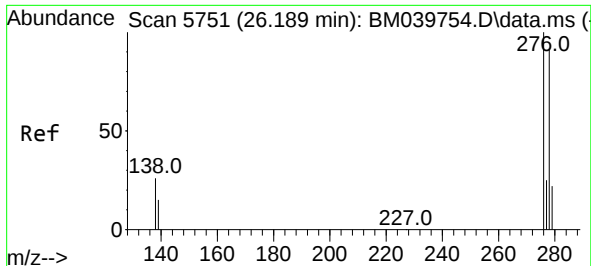
Reviewed By :Christian Giraldo 05/01/2023  
Supervised By :Jagrut Upadhyay 05/01/2023



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.959 ng/ul  
RT: 26.162 min Scan# 5743  
Delta R.T. -0.017 min  
Lab File: BM039762.D  
Acq: 29 Apr 2023 07:20

Tgt Ion:276 Resp: 41873  
Ion Ratio Lower Upper  
276 100  
138 21.3 21.1 31.7  
227 0.1 0.1 0.1#





#28

Dibenzo(a,h)anthracene

Concen: 0.286 ng/ul

RT: 26.169 min Scan# 51

Delta R.T. -0.020 min

Lab File: BM039762.D

Acq: 29 Apr 2023 07:20

Instrument :

BNA\_M

ClientSampleId :

EW8W9DL

Tgt Ion:278 Resp: 970

Ion Ratio Lower Upper

278 100

139 24.4 17.0 25.6

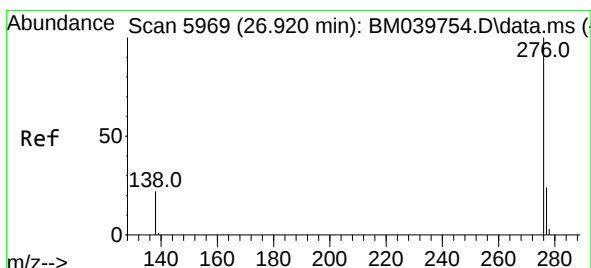
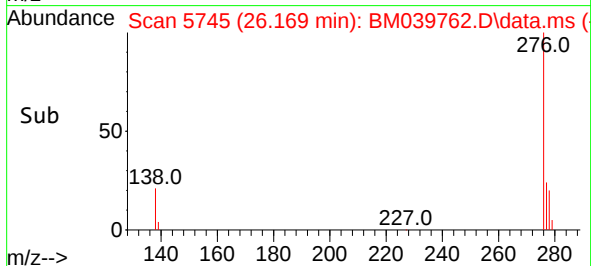
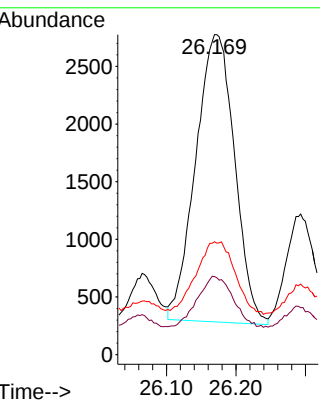
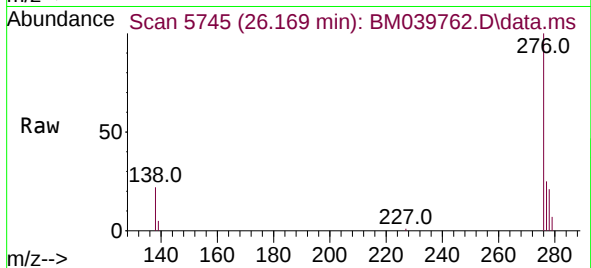
279 35.3 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/01/2023

Supervised By :Jagrut Upadhyay 05/01/2023



#29

Benzo(g,h,i)perylene

Concen: 1.029 ng/ul

RT: 26.914 min Scan# 5967

Delta R.T. -0.007 min

Lab File: BM039762.D

Acq: 29 Apr 2023 07:20

Tgt Ion:276 Resp: 39159

Ion Ratio Lower Upper

276 100

138 23.8 20.1 30.1

277 24.7 20.1 30.1

