

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062723\  
 Data File : BP015741.D  
 Acq On : 27 Jun 2023 11:49  
 Operator : MA/JU  
 Sample : 03083-12DL 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL0DL

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023

Quant Time: Jun 27 22:21:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 27 00:56:58 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.063  | 152  | 165174   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.893 | 136  | 625308   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.710 | 164  | 322540   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 580352   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.563 | 240  | 554957   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.110 | 264  | 733250   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.387  | 96   | 6419     | 1.398  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 47045    | 4.065  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.240  | 99   | 102472   | 7.251  | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.387  | 67   | 73307    | 8.384  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.593  | 132  | 90117    | 8.447  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.799  | 113  | 66917    | 5.994  | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 9.258  | 128  | 38978    | 8.156  | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 45805m   | 8.212  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.563 | 165  | 72603m   | 7.305  | ng/u1  | 0.04     |
| 31) 4-Chloroaniline-d4        | 11.093 | 131  | 39053m   | 3.059  | ng/u1  | 0.05     |
| 46) Dimethylphthalate-d6      | 14.122 | 166  | 236735   | 9.496  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 262423   | 9.364  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d       | 0.000  | ng/u1  |          |
| 60) Fluorene-d10              | 15.710 | 176  | 185255   | 9.025  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 16342m   | 4.579  | ng/u1  | 0.02     |
| 73) Anthracene-d10            | 17.575 | 188  | 236692   | 8.929  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.798 | 212  | 286191   | 7.898  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.939 | 264  | 354630   | 9.588  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 30) Naphthalene               | 10.946 | 128  | 45437    | 1.337  | ng/u1  | 97       |
| 52) Acenaphthene              | 14.775 | 153  | 81083    | 3.787  | ng/u1  | 100      |
| 61) Fluorene                  | 15.769 | 166  | 62297    | 2.584  | ng/u1  | 95       |
| 72) Phenanthrene              | 17.516 | 178  | 1169742  | 37.102 | ng/u1  | 99       |
| 74) Anthracene                | 17.610 | 178  | 250814   | 7.917  | ng/u1  | 97       |
| 80) Fluoranthene              | 19.475 | 202  | 2124988  | 47.184 | ng/u1  | 100      |
| 82) Pyrene                    | 19.828 | 202  | 1678601  | 36.539 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.545 | 228  | 1119108  | 28.667 | ng/u1  | 98       |
| 87) Chrysene                  | 21.598 | 228  | 1094546  | 29.552 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.327 | 252  | 1646284  | 34.942 | ng/u1  | 99       |
| 91) Benzo(k)fluoranthene      | 23.369 | 252  | 575230m  | 12.084 | ng/u1  |          |
| 93) Benzo(a)pyrene            | 23.998 | 252  | 1104532  | 26.830 | ng/u1  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.804 | 276  | 870898   | 15.583 | ng/u1  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.804 | 278  | 247717   | 5.396  | ng/u1# | 85       |
| 96) Benzo(g,h,i)perylene      | 27.645 | 276  | 779011   | 16.944 | ng/u1  | 98       |
| -----                         |        |      |          |        |        |          |

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

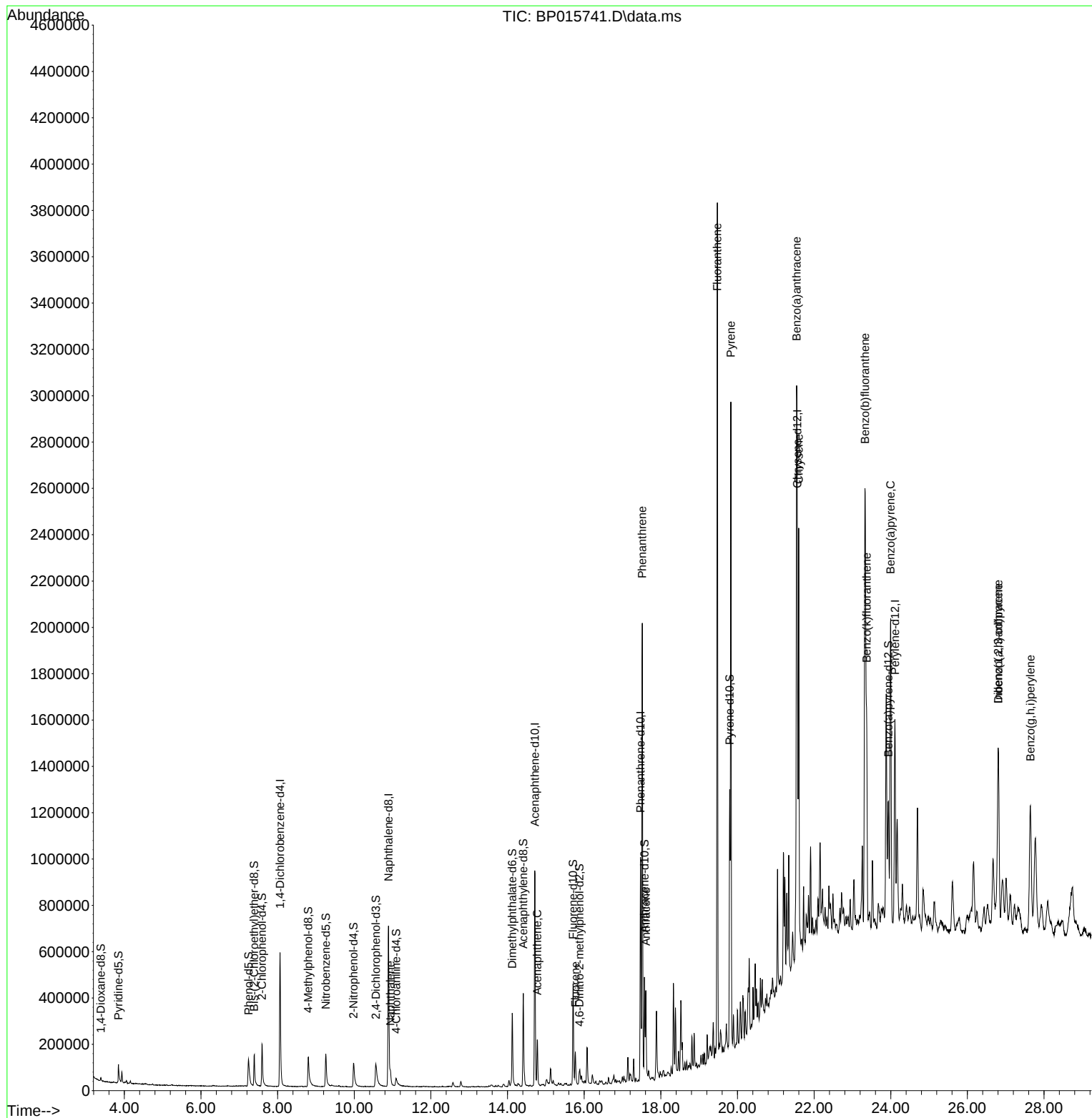
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062723\  
Data File : BP015741.D  
Acq On : 27 Jun 2023 11:49  
Operator : MA/JU  
Sample : 03083-12DL 2X  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

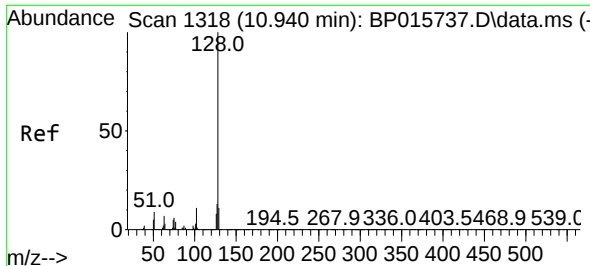
Instrument :  
BNA\_P  
ClientSampleId :  
DCFL0DL

Quant Time: Jun 27 22:21:20 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jun 27 00:56:58 2023  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023





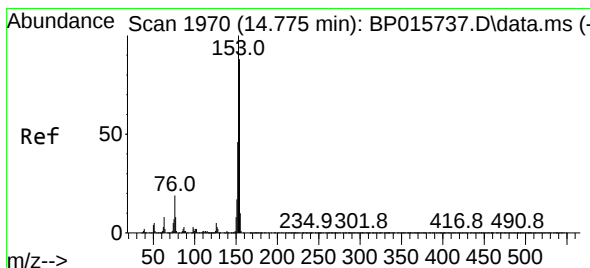
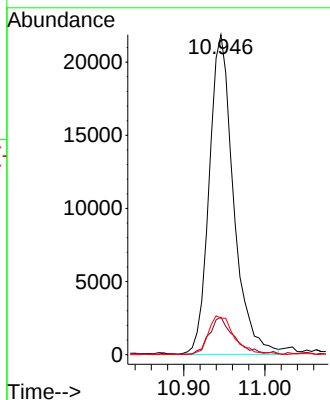
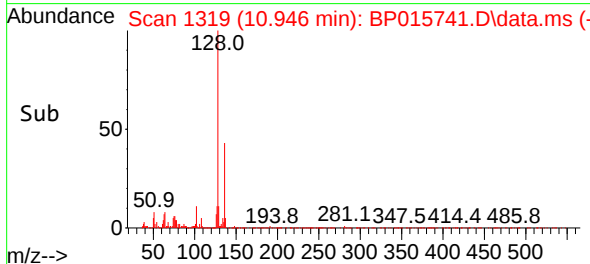
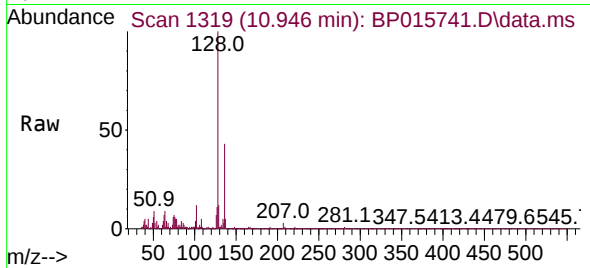
#30  
Naphthalene  
Concen: 1.337 ng/ul  
RT: 10.946 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

Instrument :  
BNA\_P  
Client Sample Id :  
DCFL0DL

Tgt Ion:128 Resp: 4543  
Ion Ratio Lower Upper  
128 100  
129 11.8 8.6 12.8  
127 11.4 10.3 15.5

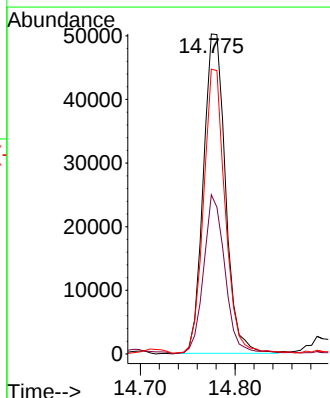
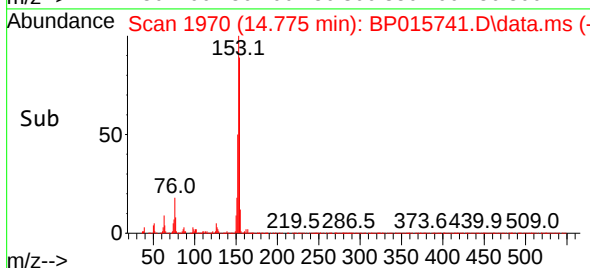
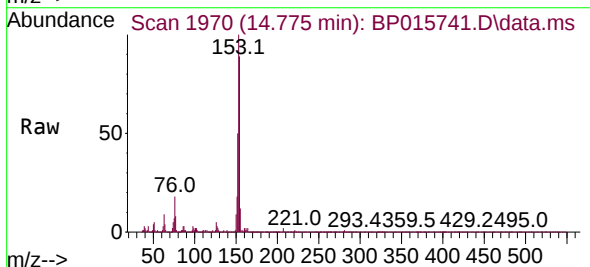
Manual Integrations  
APPROVED

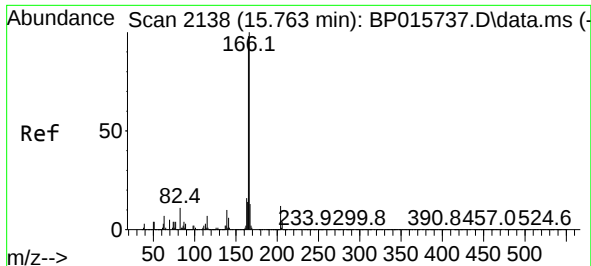
Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



#52  
Acenaphthene  
Concen: 3.787 ng/ul  
RT: 14.775 min Scan# 1970  
Delta R.T. 0.000 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

Tgt Ion:153 Resp: 81083  
Ion Ratio Lower Upper  
153 100  
152 49.8 39.4 59.2  
154 89.0 71.4 107.2





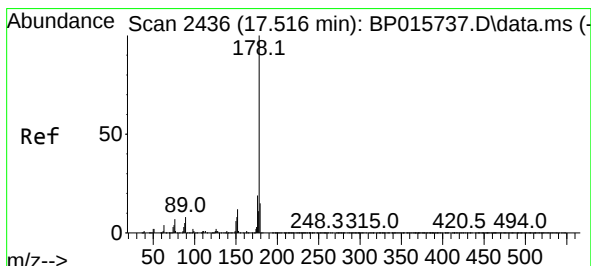
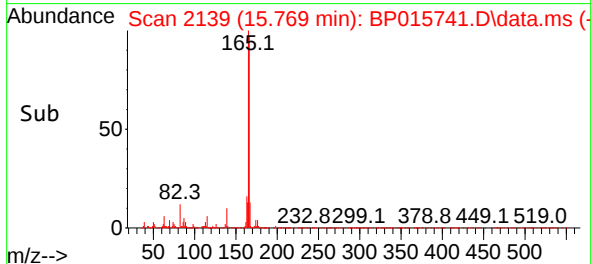
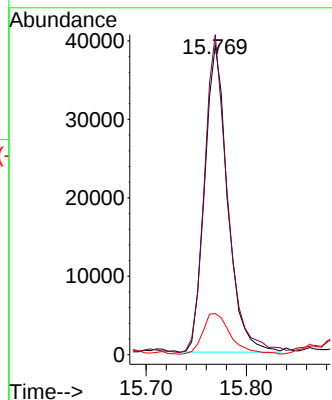
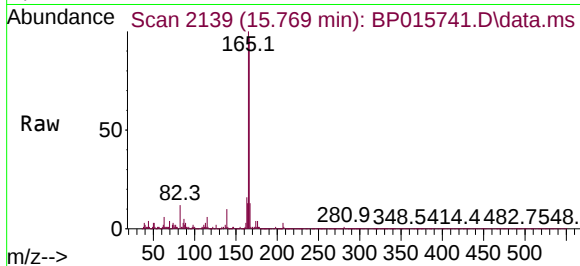
#61  
Fluorene  
Concen: 2.584 ng/u1  
RT: 15.769 min Scan# 2138  
Delta R.T. 0.006 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL0DL

Tgt Ion:166 Resp: 62297  
Ion Ratio Lower Upper  
166 100  
165 103.4 78.7 118.1  
167 13.3 10.5 15.7

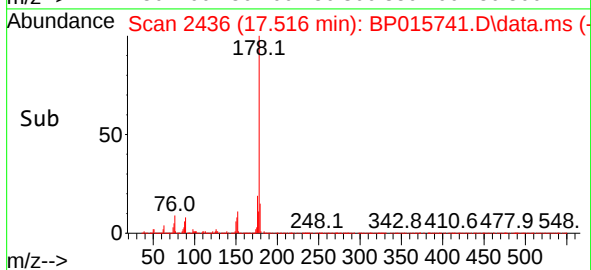
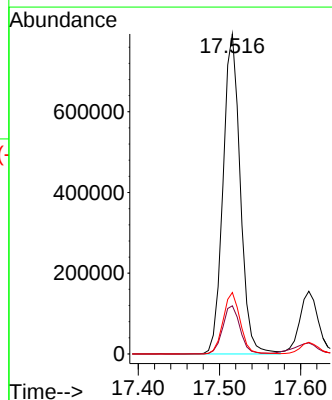
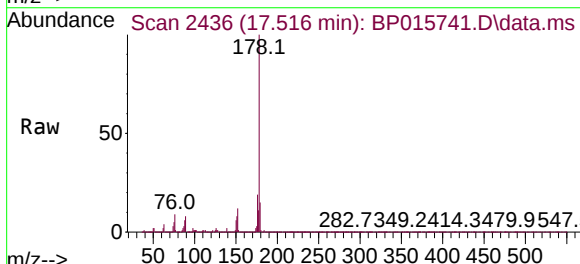
Manual Integrations  
APPROVED

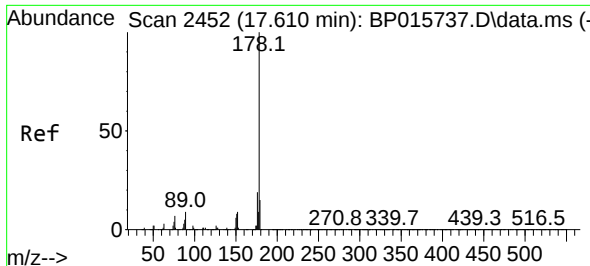
Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



#72  
Phenanthrene  
Concen: 37.102 ng/u1  
RT: 17.516 min Scan# 2436  
Delta R.T. 0.000 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

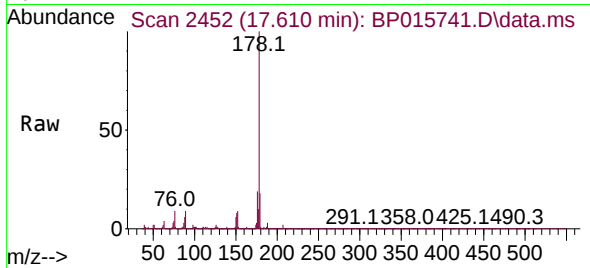
Tgt Ion:178 Resp: 1169742  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.4 18.6  
176 19.2 15.6 23.4





#74  
 Anthracene  
 Concen: 7.917 ng/ul  
 RT: 17.610 min Scan# 2452  
 Delta R.T. 0.000 min  
 Lab File: BP015741.D  
 Acq: 27 Jun 2023 11:49

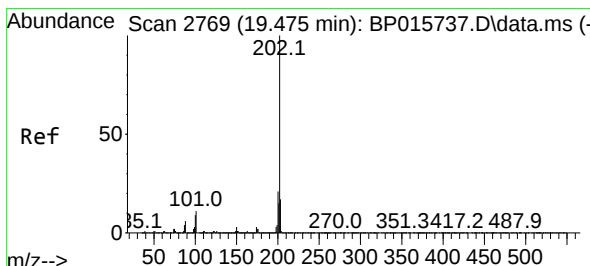
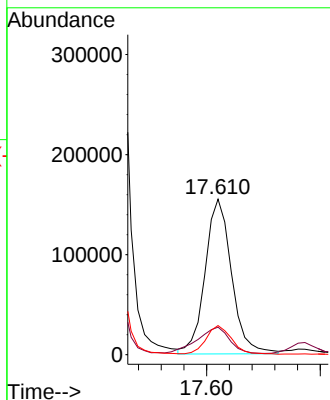
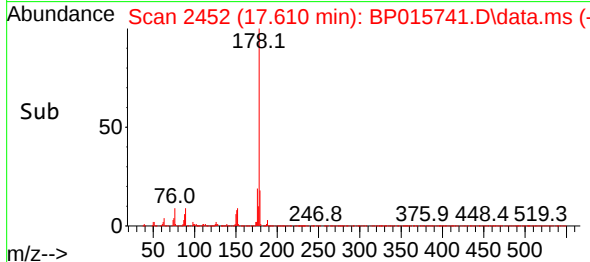
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFL0DL



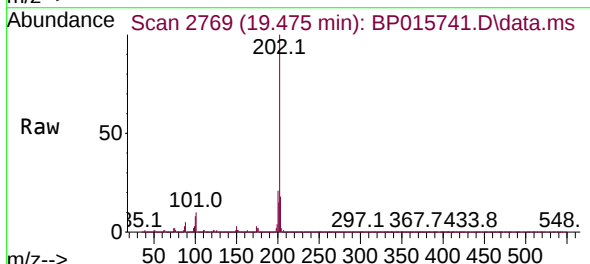
Tgt Ion:178 Resp: 250814  
 Ion Ratio Lower Upper  
 178 100  
 179 17.7 12.1 18.1  
 176 18.7 14.6 22.0

Manual Integrations  
 APPROVED

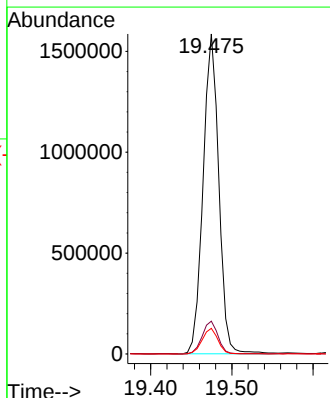
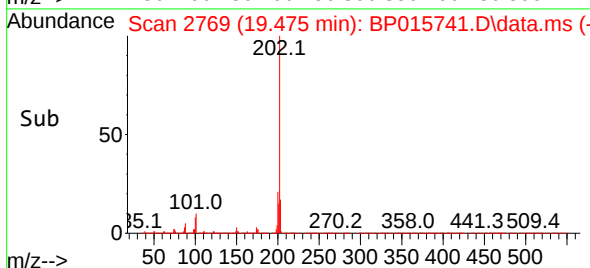
Reviewed By :Yogesh Patel 06/27/2023  
 Supervised By :mohammad ahmed 06/27/2023

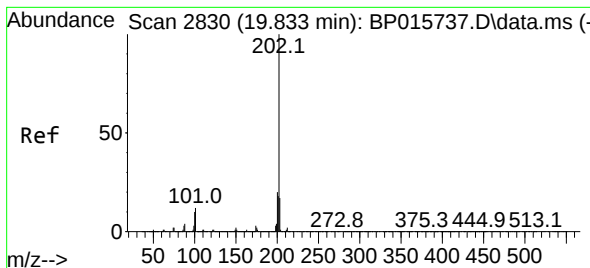


#80  
 Fluoranthene  
 Concen: 47.184 ng/ul  
 RT: 19.475 min Scan# 2769  
 Delta R.T. 0.000 min  
 Lab File: BP015741.D  
 Acq: 27 Jun 2023 11:49



Tgt Ion:202 Resp: 2124988  
 Ion Ratio Lower Upper  
 202 100  
 101 10.3 8.3 12.5  
 100 8.0 6.6 9.8





#82

Pyrene

Concen: 36.539 ng/ul

RT: 19.828 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015741.D

Acq: 27 Jun 2023 11:49

Instrument :

BNA\_P

ClientSampleId :

DCFL0DL

Tgt Ion:202 Resp: 167860

Ion Ratio Lower Upper

202 100

101 12.1 9.3 13.9

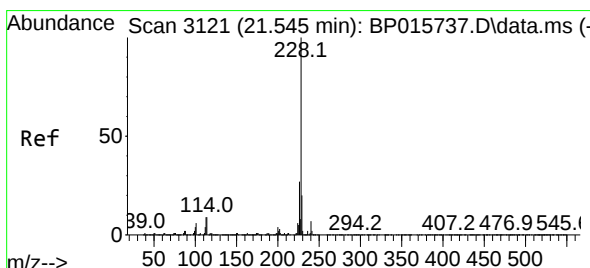
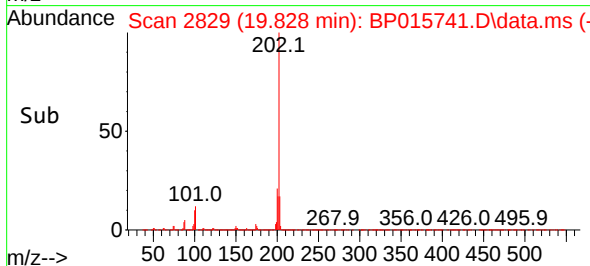
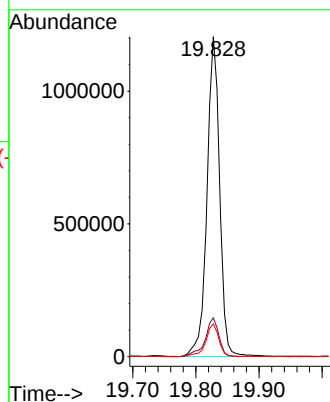
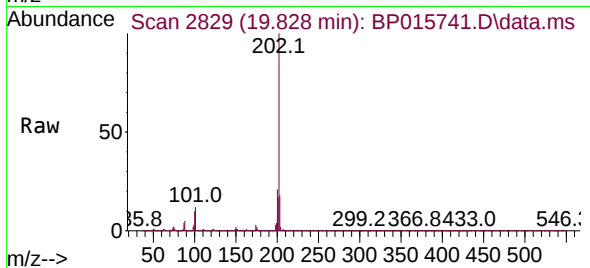
100 10.2 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2023

Supervised By :mohammad ahmed 06/27/2023



#85

Benzo(a)anthracene

Concen: 28.667 ng/ul

RT: 21.545 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BP015741.D

Acq: 27 Jun 2023 11:49

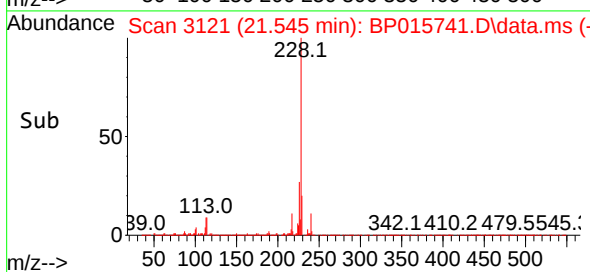
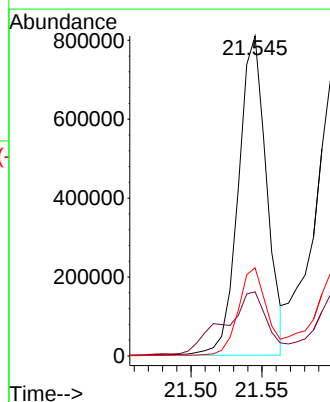
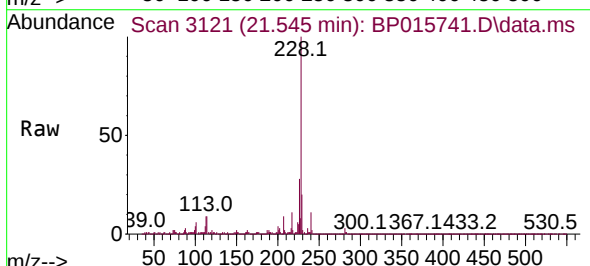
Tgt Ion:228 Resp: 1119108

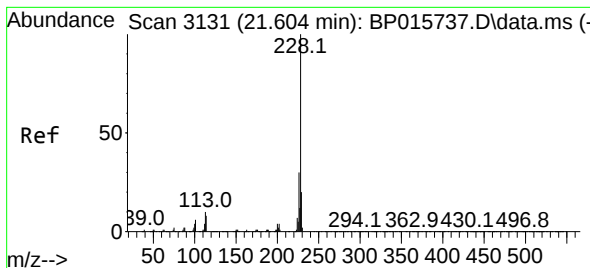
Ion Ratio Lower Upper

228 100

229 20.1 15.3 22.9

226 27.5 21.4 32.0





#87

Chrysene

Concen: 29.552 ng/ul

RT: 21.598 min Scan# 3131

Delta R.T. -0.006 min

Lab File: BP015741.D

Acq: 27 Jun 2023 11:49

Instrument :

BNA\_P

ClientSampleId :

DCFL0DL

Tgt Ion:228 Resp: 1094540

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

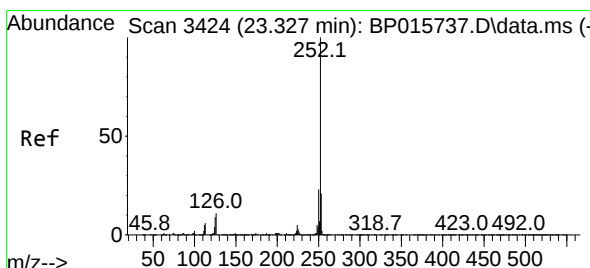
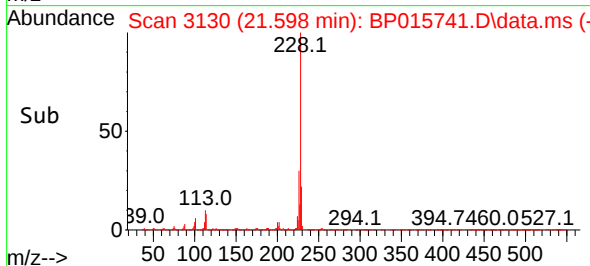
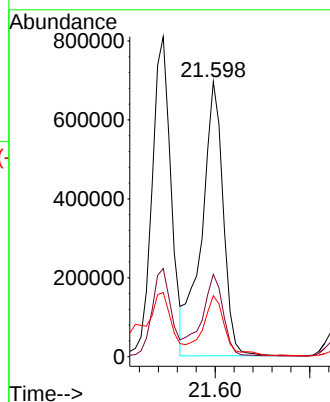
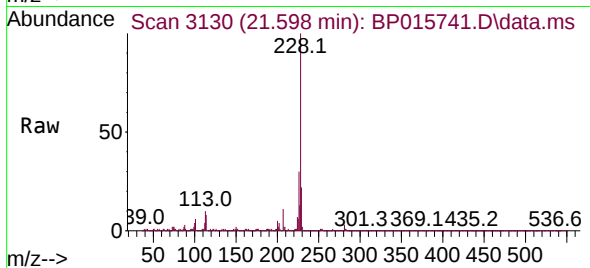
229 22.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/27/2023

Supervised By :mohammad ahmed 06/27/2023



#90

Benzo(b)fluoranthene

Concen: 34.942 ng/ul

RT: 23.327 min Scan# 3424

Delta R.T. 0.000 min

Lab File: BP015741.D

Acq: 27 Jun 2023 11:49

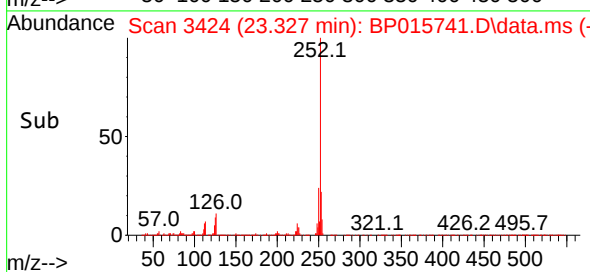
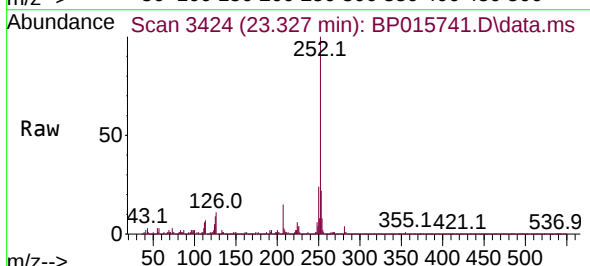
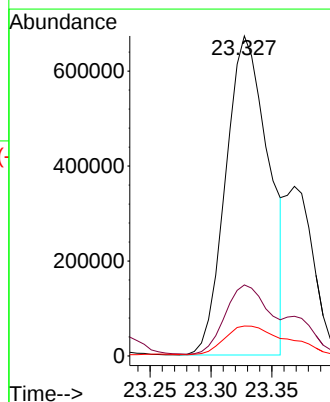
Tgt Ion:252 Resp: 1646284

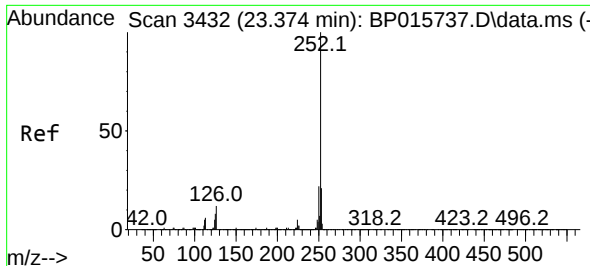
Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

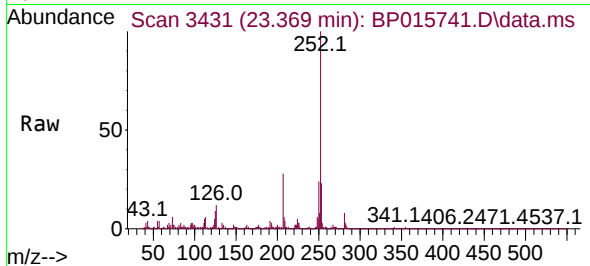
125 9.4 7.5 11.3





#91  
Benzo(k)fluoranthene  
Concen: 12.084 ng/ul m  
RT: 23.369 min Scan# 3432  
Delta R.T. -0.012 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

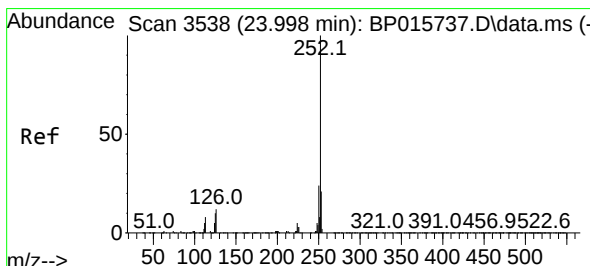
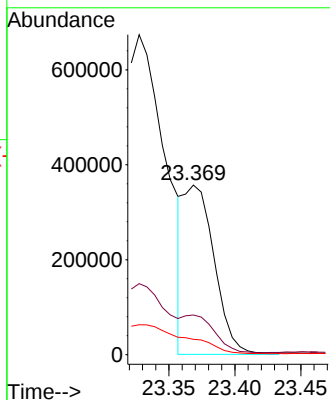
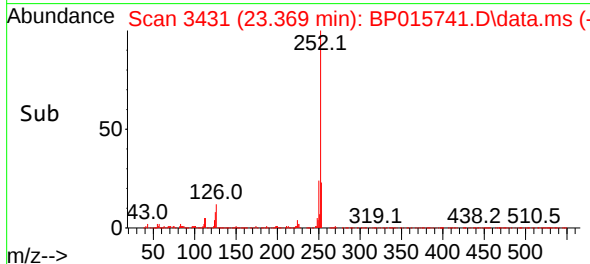
Instrument :  
BNA\_P  
ClientSampleId :  
DCFL0DL



Tgt Ion:252 Resp: 575230  
Ion Ratio Lower Upper  
252 100  
253 23.4 17.0 25.4  
125 9.1 7.3 10.9

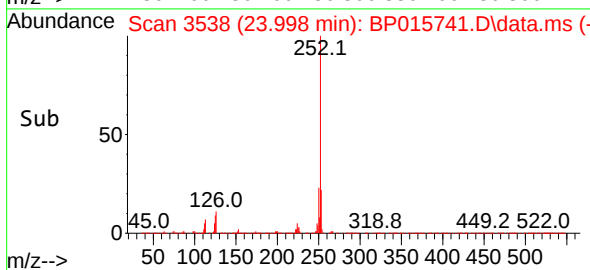
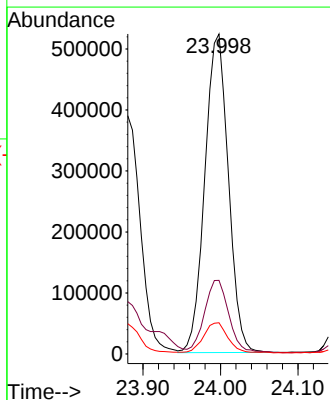
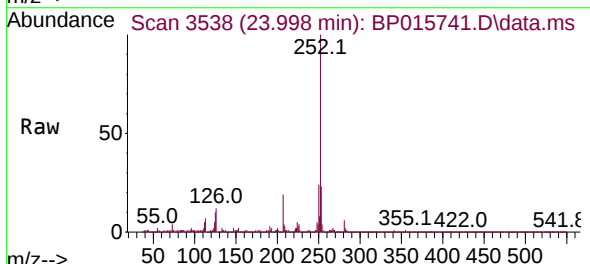
Manual Integrations  
APPROVED

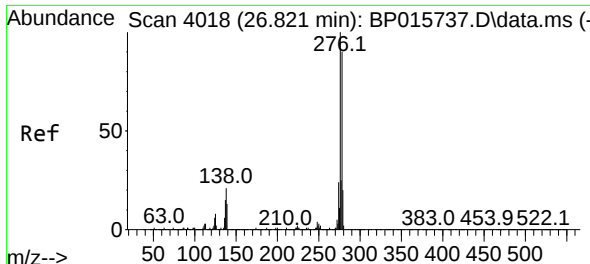
Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



#93  
Benzo(a)pyrene  
Concen: 26.830 ng/ul  
RT: 23.998 min Scan# 3538  
Delta R.T. -0.006 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

Tgt Ion:252 Resp: 1104532  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.7 26.5  
125 9.7 8.2 12.2





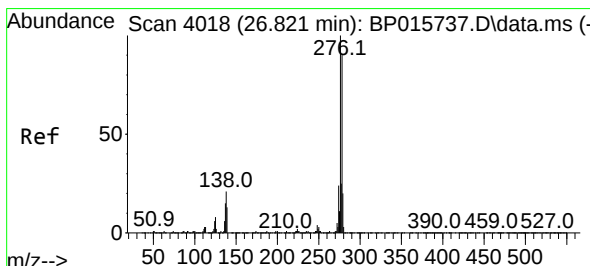
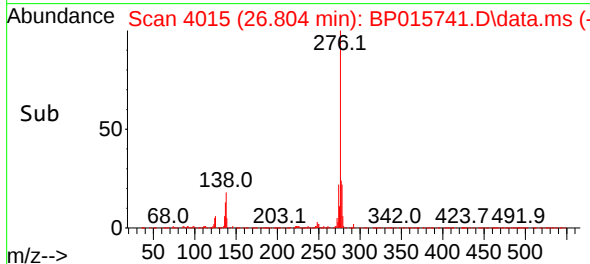
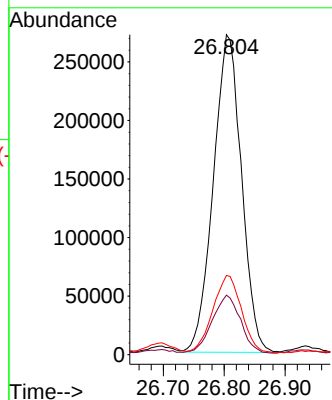
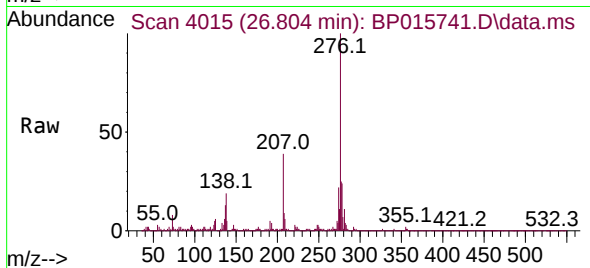
#94  
Indeno(1,2,3-cd)pyrene  
Concen: 15.583 ng/ul  
RT: 26.804 min Scan# 4015  
Delta R.T. -0.012 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL0DL

Tgt Ion:276 Resp: 870898  
Ion Ratio Lower Upper  
276 100  
138 18.6 15.7 23.5  
277 24.8 19.6 29.4

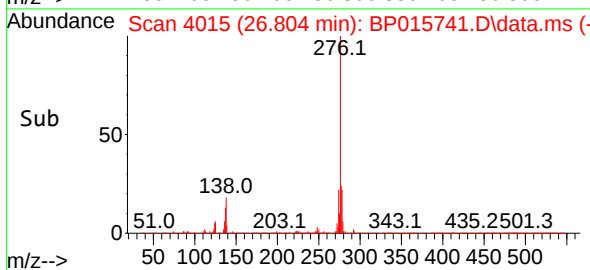
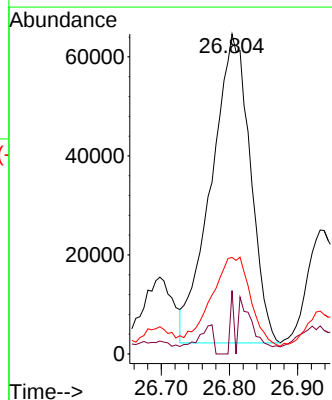
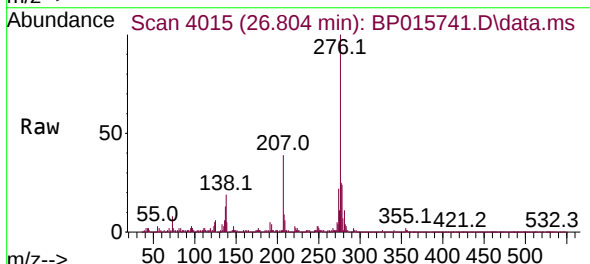
Manual Integrations  
APPROVED

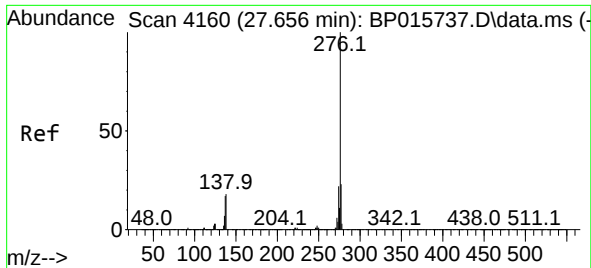
Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023



#95  
Dibenzo(a,h)anthracene  
Concen: 5.396 ng/ul  
RT: 26.804 min Scan# 4015  
Delta R.T. -0.023 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

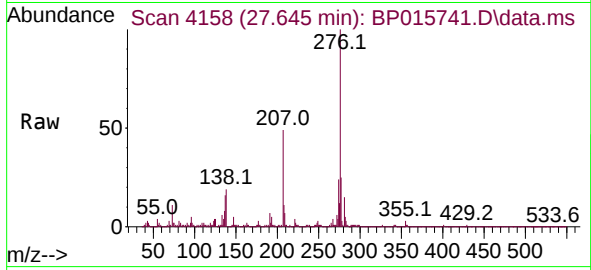
Tgt Ion:278 Resp: 247717  
Ion Ratio Lower Upper  
278 100  
139 19.8 10.5 15.7#  
279 30.2 18.4 27.6#





#96  
Benzo(g,h,i)perylene  
Concen: 16.944 ng/ul  
RT: 27.645 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: BP015741.D  
Acq: 27 Jun 2023 11:49

Instrument :  
BNA\_P  
ClientSampleId :  
DCFL0DL



Tgt Ion:276 Resp: 77901  
Ion Ratio Lower Upper  
276 100  
138 18.7 15.1 22.7  
277 24.7 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/27/2023  
Supervised By :mohammad ahmed 06/27/2023

