

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062023\  
 Data File : BP015629.D  
 Acq On : 20 Jun 2023 19:18  
 Operator : MA/JU  
 Sample : 03080-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFJ0

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023  
 Supervised By :mohammad ahmed 06/22/2023

Quant Time: Jun 20 23:35:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 15 05:36:46 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.081  | 152  | 94861    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.910 | 136  | 420192   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.728 | 164  | 275619   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.486 | 188  | 673705   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.569 | 240  | 676683   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.116 | 264  | 722070   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96   | 7873m    | 3.073  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.852  | 84   | 80504    | 12.098 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.246  | 99   | 158628   | 18.151 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.405  | 67   | 100831   | 19.319 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.611  | 132  | 132142   | 20.855 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.805  | 113  | 114344   | 15.942 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.263  | 128  | 67847    | 20.566 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.993  | 143  | 74335    | 19.731 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.540 | 165  | 126704   | 18.437 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.063 | 131  | 98060    | 9.941  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.134 | 166  | 450385   | 20.722 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.422 | 160  | 522234   | 21.974 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.963 | 143  | 50559    | 12.990 | ng/u1  | 0.03     |
| 60) Fluorene-d10              | 15.722 | 176  | 405302   | 22.114 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.857 | 200  | 50563    | 11.847 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.586 | 188  | 655948   | 21.399 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 861658   | 23.791 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.951 | 264  | 778535   | 21.488 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 50) Acenaphthylene            | 14.451 | 152  | 33894    | 1.288  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.528 | 178  | 244985   | 6.776  | ng/u1  | 100      |
| 74) Anthracene                | 17.622 | 178  | 61739    | 1.683  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.480 | 202  | 847343   | 19.207 | ng/u1  | 99       |
| 82) Pyrene                    | 19.839 | 202  | 740570   | 16.226 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.551 | 228  | 454741   | 9.613  | ng/u1  | 99       |
| 87) Chrysene                  | 21.604 | 228  | 469819   | 10.507 | ng/u1  | 96       |
| 90) Benzo(b)fluoranthene      | 23.333 | 252  | 721746   | 15.485 | ng/u1  | 97       |
| 91) Benzo(k)fluoranthene      | 23.380 | 252  | 269699m  | 5.986  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.004 | 252  | 465823   | 11.463 | ng/u1  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.810 | 276  | 381010   | 7.245  | ng/u1  | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.821 | 278  | 96860    | 2.261  | ng/u1# | 77       |
| 96) Benzo(g,h,i)perylene      | 27.651 | 276  | 350799   | 8.094  | ng/u1  | 99       |
| -----                         |        |      |          |        |        |          |

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

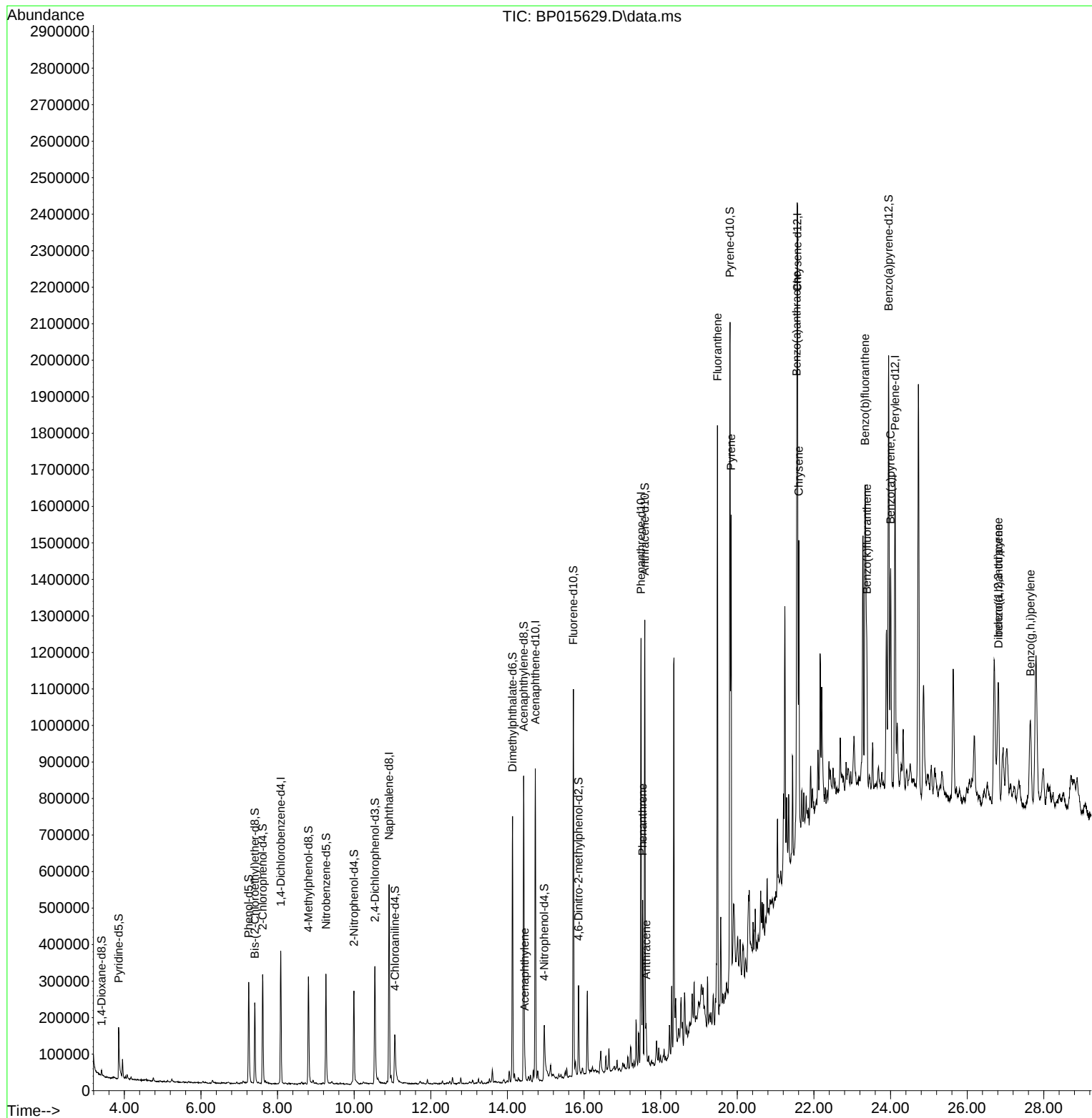
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062023\  
 Data File : BP015629.D  
 Acq On : 20 Jun 2023 19:18  
 Operator : MA/JU  
 Sample : 03080-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

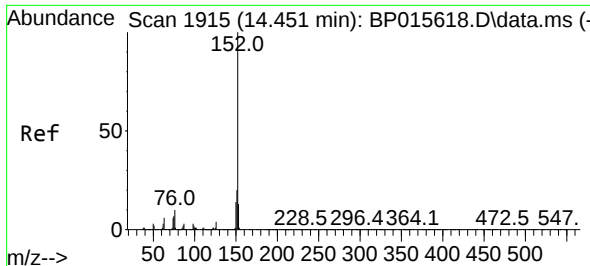
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFJ0

Quant Time: Jun 20 23:35:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP060723.MA.M  
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### Manual Integrations APPROVED

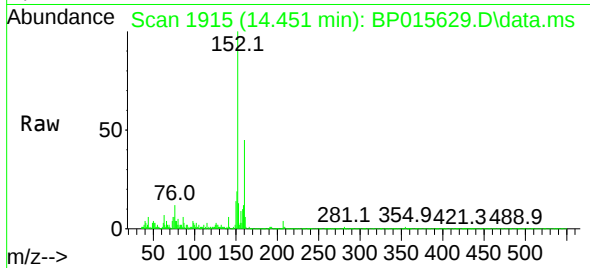
Reviewed By :Yogesh Patel 06/21/2023  
 Supervised By :mohammad ahmed 06/22/2023





#50  
Acenaphthylene  
Concen: 1.288 ng/ul  
RT: 14.451 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: BP015629.D  
Acq: 20 Jun 2023 19:18

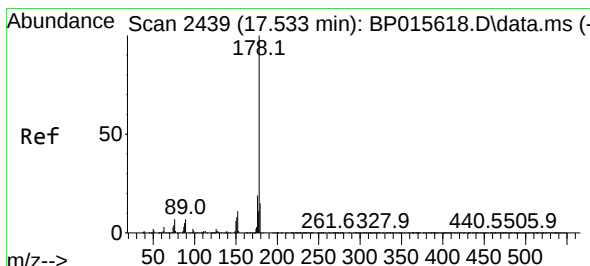
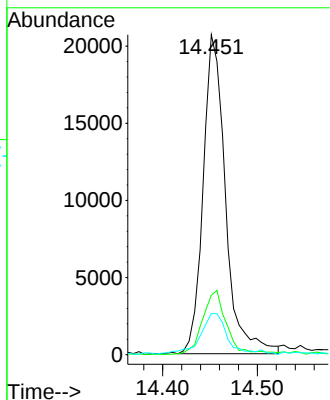
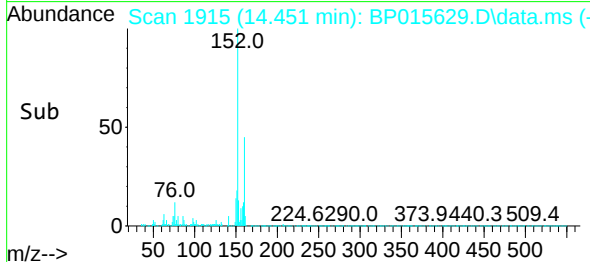
Instrument :  
BNA\_P  
ClientSampleId :  
DCFJ0



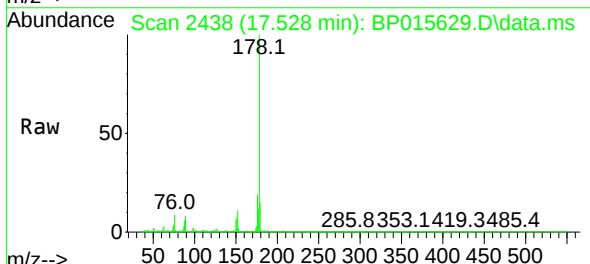
Tgt Ion:152 Resp: 33894  
Ion Ratio Lower Upper  
152 100  
151 18.6 16.0 24.0  
153 12.8 10.6 15.8

Manual Integrations  
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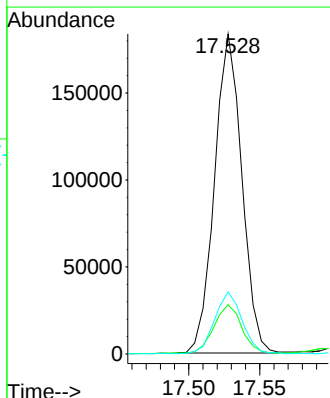
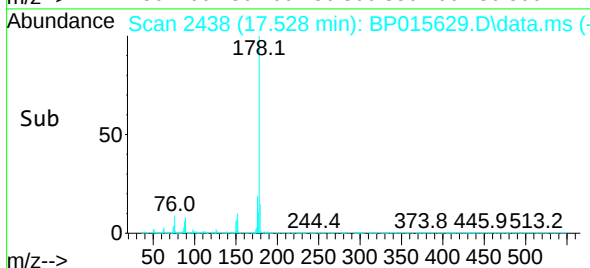
Reviewed By :Yogesh Patel 06/21/2023  
Supervised By :mohammad ahmed 06/22/2023

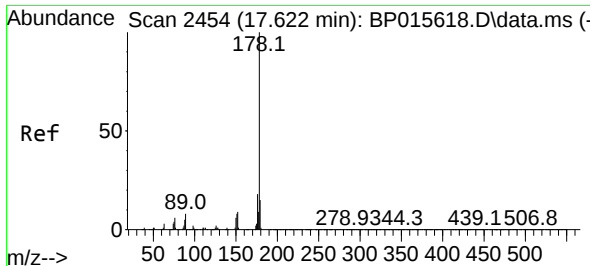


#72  
Phenanthrene  
Concen: 6.776 ng/ul  
RT: 17.528 min Scan# 2438  
Delta R.T. 0.000 min  
Lab File: BP015629.D  
Acq: 20 Jun 2023 19:18



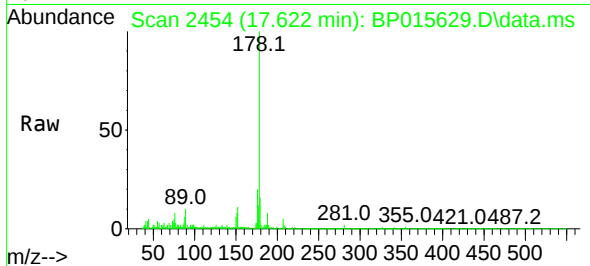
Tgt Ion:178 Resp: 244985  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.3 18.5  
176 19.4 15.4 23.0





#74  
 Anthracene  
 Concen: 1.683 ng/ul  
 RT: 17.622 min Scan# 2454  
 Delta R.T. 0.000 min  
 Lab File: BP015629.D  
 Acq: 20 Jun 2023 19:18

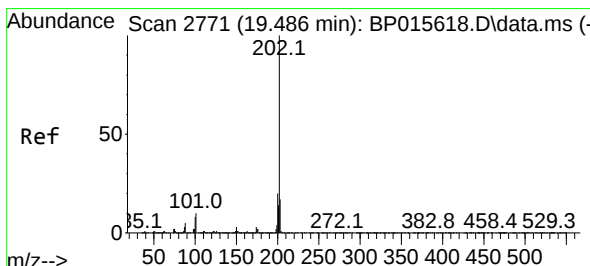
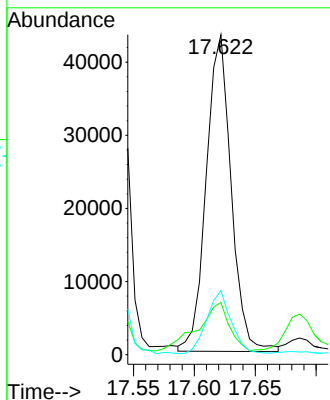
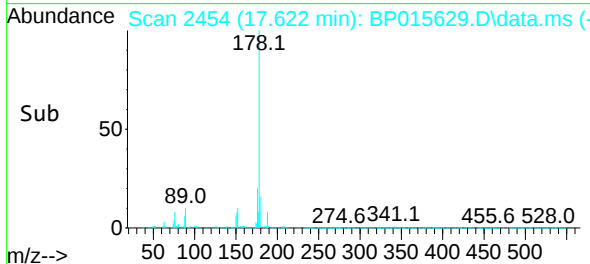
Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFJ0



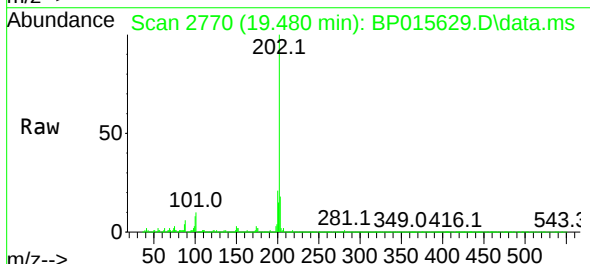
Tgt Ion:178 Resp: 61739  
 Ion Ratio Lower Upper  
 178 100  
 179 16.4 12.4 18.6  
 176 20.0 15.0 22.4

Manual Integrations  
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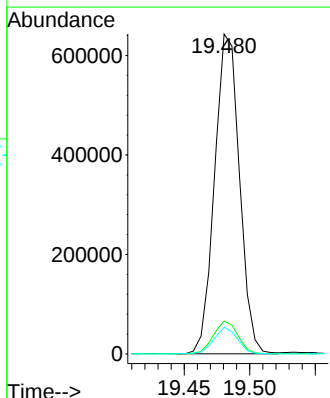
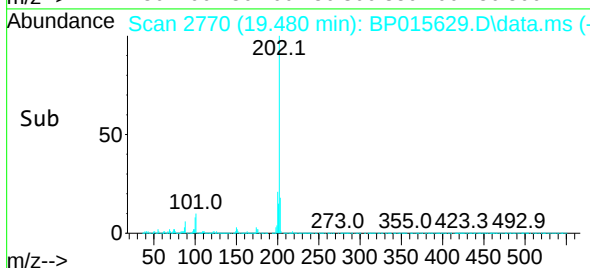
Reviewed By :Yogesh Patel 06/21/2023  
 Supervised By :mohammad ahmed 06/22/2023

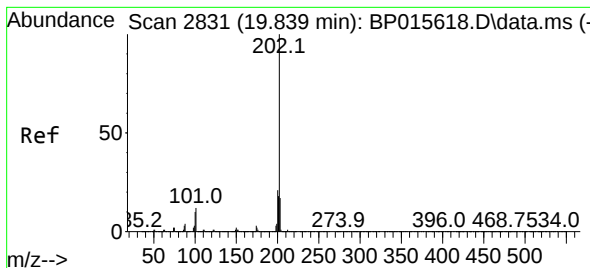


#80  
 Fluoranthene  
 Concen: 19.207 ng/ul  
 RT: 19.480 min Scan# 2770  
 Delta R.T. -0.006 min  
 Lab File: BP015629.D  
 Acq: 20 Jun 2023 19:18



Tgt Ion:202 Resp: 847343  
 Ion Ratio Lower Upper  
 202 100  
 101 10.3 8.6 13.0  
 100 8.4 6.6 9.8





#82

Pyrene

Concen: 16.226 ng/ul

RT: 19.839 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015629.D

Acq: 20 Jun 2023 19:18

Instrument :

BNA\_P

ClientSampleId :

DCFJ0

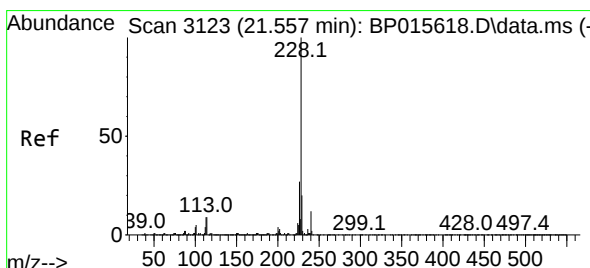
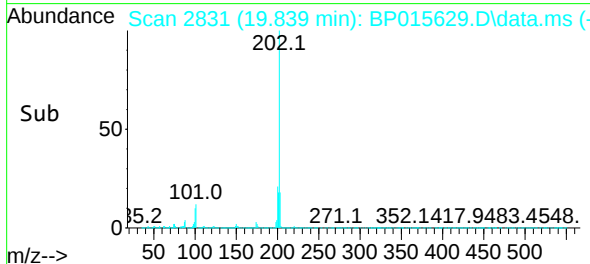
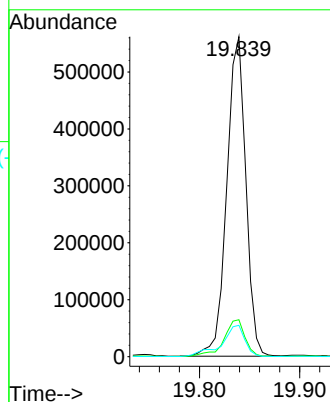
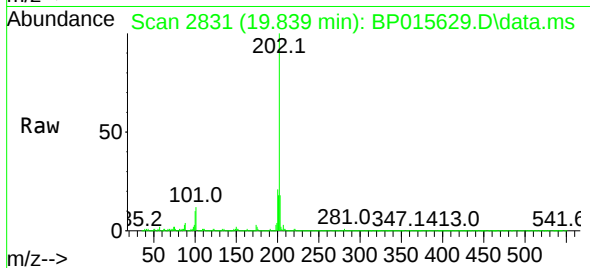
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 740570 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 11.6  | 9.9   | 14.9   |
| 100       | 9.8   | 8.4   | 12.6   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/22/2023



#85

Benzo(a)anthracene

Concen: 9.613 ng/ul

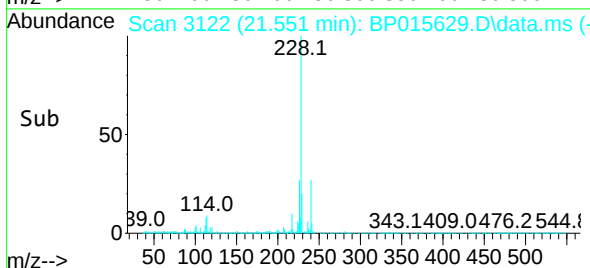
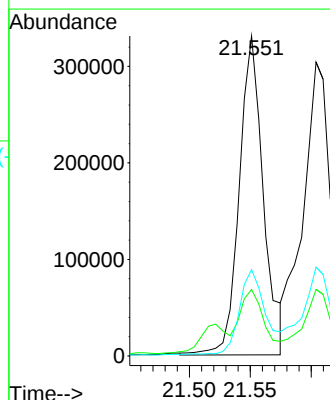
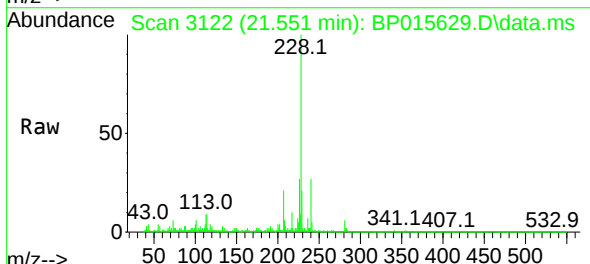
RT: 21.551 min Scan# 3122

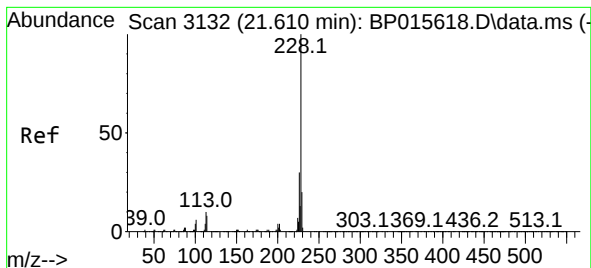
Delta R.T. 0.000 min

Lab File: BP015629.D

Acq: 20 Jun 2023 19:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 454741 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 20.7  | 15.8  | 23.6   |
| 226       | 27.0  | 21.8  | 32.6   |





#87

Chrysene

Concen: 10.507 ng/ul

RT: 21.604 min Scan# 3132

Delta R.T. -0.006 min

Lab File: BP015629.D

Acq: 20 Jun 2023 19:18

Instrument :

BNA\_P

ClientSampleId :

DCFJ0

Tgt Ion:228 Resp: 469819

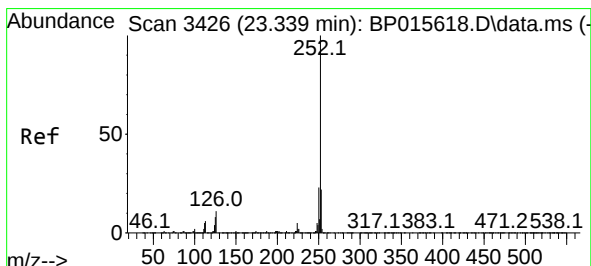
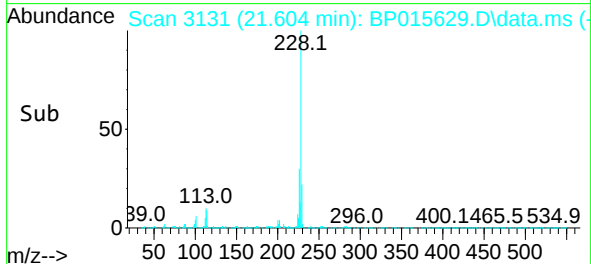
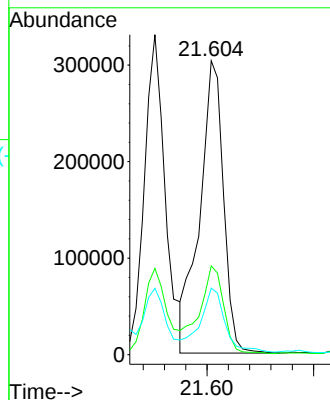
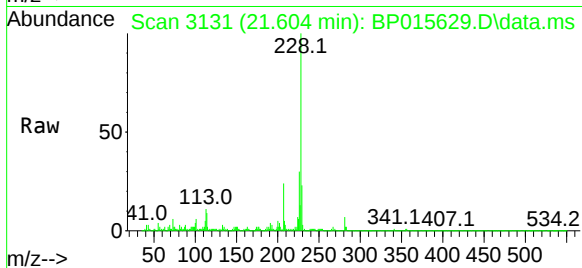
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.2  | 23.9  | 35.9  |
| 229 | 22.7  | 15.1  | 22.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/22/2023



#90

Benzo(b)fluoranthene

Concen: 15.485 ng/ul

RT: 23.333 min Scan# 3425

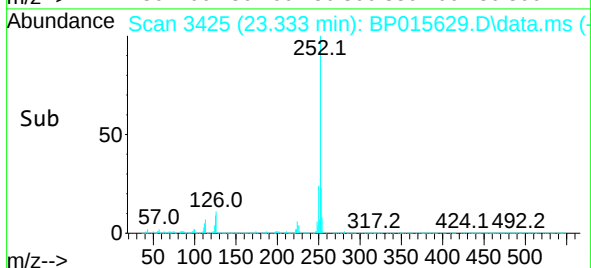
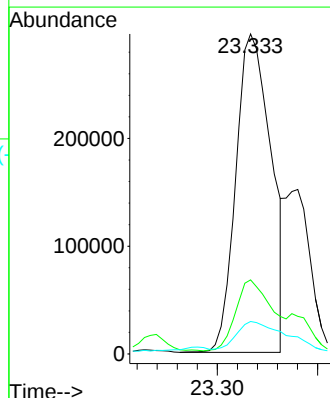
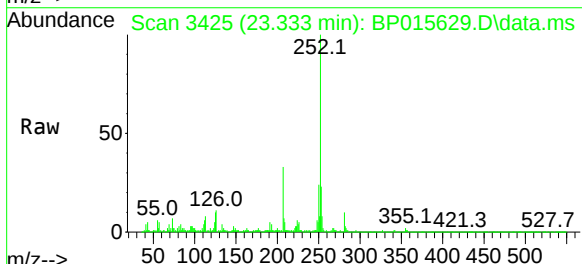
Delta R.T. 0.006 min

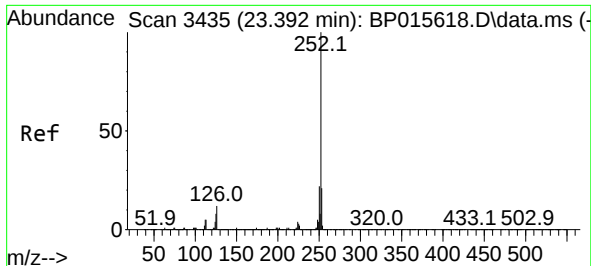
Lab File: BP015629.D

Acq: 20 Jun 2023 19:18

Tgt Ion:252 Resp: 721746

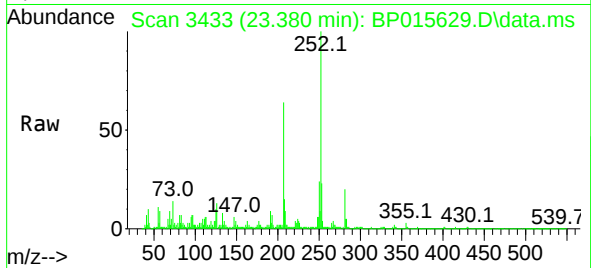
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.1  | 17.4  | 26.2  |
| 125 | 10.2  | 7.3   | 10.9  |





#91  
Benzo(k)fluoranthene  
Concen: 5.986 ng/ul m  
RT: 23.380 min Scan# 3435  
Delta R.T. 0.000 min  
Lab File: BP015629.D  
Acq: 20 Jun 2023 19:18

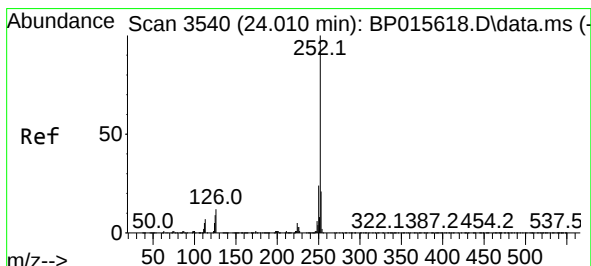
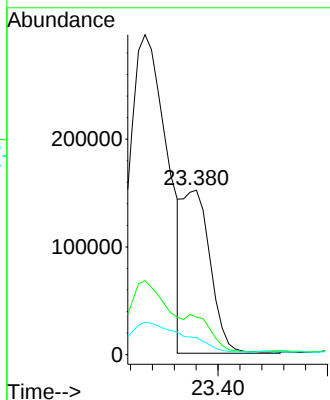
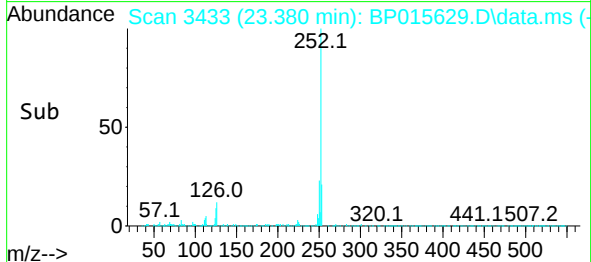
Instrument :  
BNA\_P  
ClientSampleId :  
DCFJ0



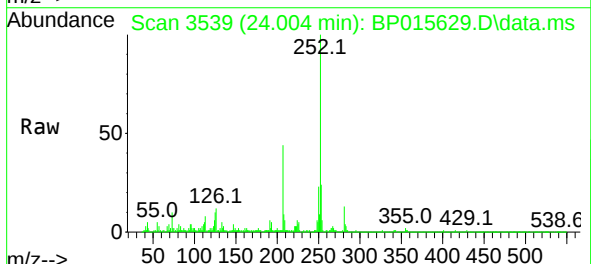
Tgt Ion:252 Resp: 269699  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.7 26.5  
125 10.5 7.3 10.9

Manual Integrations  
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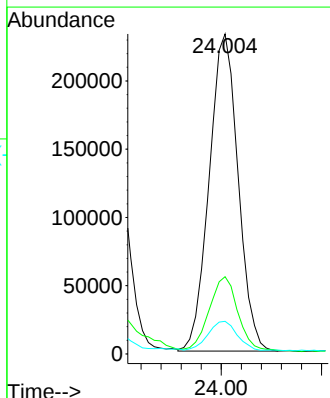
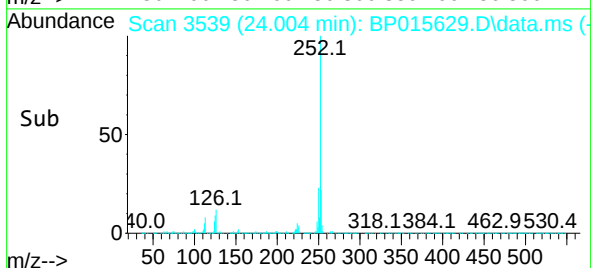
Reviewed By :Yogesh Patel 06/21/2023  
Supervised By :mohammad ahmed 06/22/2023

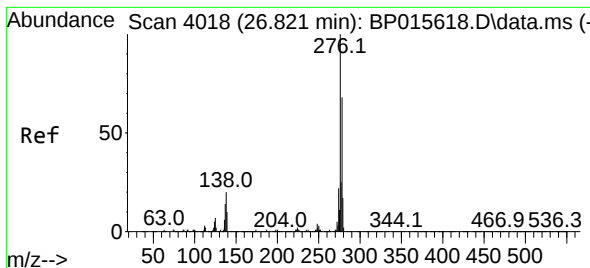


#93  
Benzo(a)pyrene  
Concen: 11.463 ng/ul  
RT: 24.004 min Scan# 3539  
Delta R.T. 0.000 min  
Lab File: BP015629.D  
Acq: 20 Jun 2023 19:18



Tgt Ion:252 Resp: 465823  
Ion Ratio Lower Upper  
252 100  
253 24.1 17.8 26.6  
125 10.2 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 7.245 ng/ul

RT: 26.810 min Scan# 4018

Delta R.T. 0.000 min

Lab File: BP015629.D

Acq: 20 Jun 2023 19:18

Instrument :

BNA\_P

ClientSampleId :

DCFJ0

Tgt Ion:276 Resp: 381010

Ion Ratio Lower Upper

276 100

138 17.9 17.3 25.9

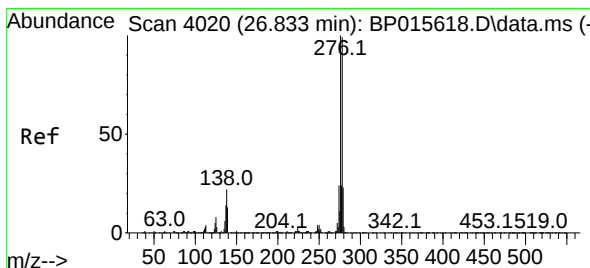
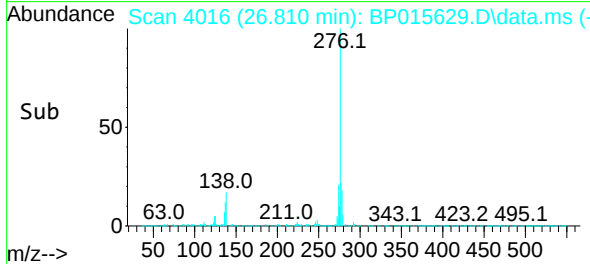
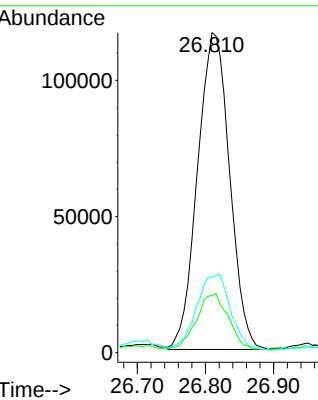
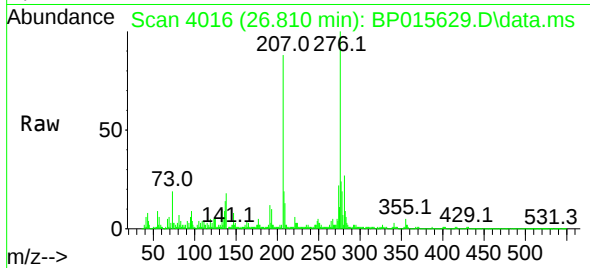
277 23.6 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/22/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.261 ng/ul

RT: 26.821 min Scan# 4018

Delta R.T. -0.006 min

Lab File: BP015629.D

Acq: 20 Jun 2023 19:18

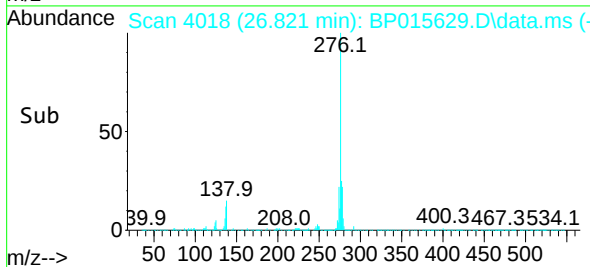
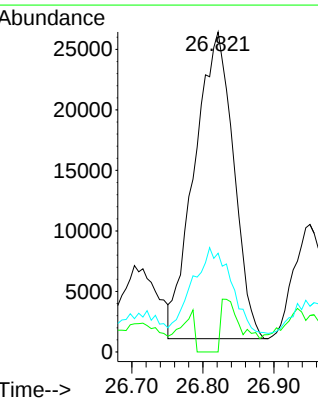
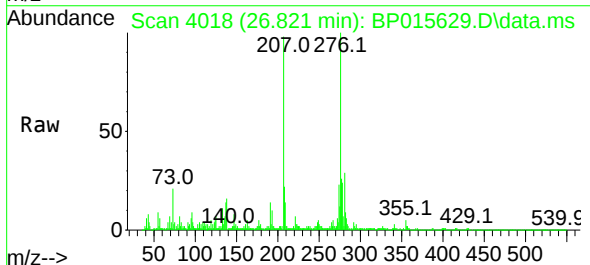
Tgt Ion:278 Resp: 96860

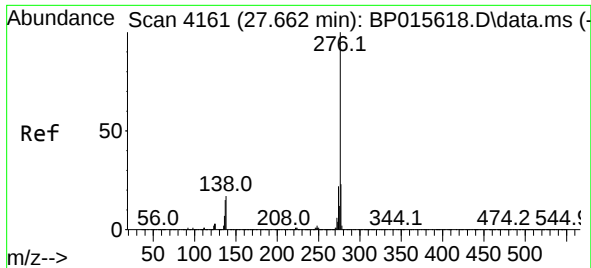
Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0#

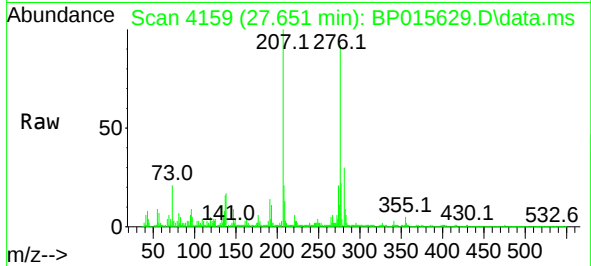
279 30.9 18.7 28.1#





#96  
 Benzo(g,h,i)perylene  
 Concen: 8.094 ng/ul  
 RT: 27.651 min Scan# 4159  
 Delta R.T. 0.012 min  
 Lab File: BP015629.D  
 Acq: 20 Jun 2023 19:18

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFJ0



|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 350799    |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 18.5  | 15.6 23.4 |
| 277         | 23.6  | 19.0 28.6 |

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023  
 Supervised By :mohammad ahmed 06/22/2023

