

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062823\  
 Data File : BP015794.D  
 Acq On : 29 Jun 2023 00:02  
 Operator : MA/JU  
 Sample : 03142-22  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFT9

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/29/2023

Quant Time: Jun 29 03:17:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 29 02:30:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.058  | 152  | 296734   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 1235941  | 20.000 | ng/ul  | # 0.00   |
| 38) Acenaphthene-d10          | 14.704 | 164  | 651216   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1109961  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.557 | 240  | 827716   | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 24.098 | 264  | 1063319  | 20.000 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.381  | 96   | 31063    | 3.766  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 0.000  | 84   | 0d       | 0.000  | ng/ul  |          |
| 7) Phenol-d5                  | 7.234  | 99   | 517092   | 20.367 | ng/ul  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 422229   | 26.881 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 457389   | 23.865 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 241262   | 12.029 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.246  | 128  | 235674   | 24.951 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.975  | 143  | 240184   | 21.787 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.540 | 165  | 360025   | 18.327 | ng/ul  | 0.02     |
| 31) 4-Chloroaniline-d4        | 11.069 | 131  | 190700   | 7.557  | ng/ul  | 0.04     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 1282555  | 25.481 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.404 | 160  | 1482806  | 26.206 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.028 | 143  | 37603m   | 5.661  | ng/ul  | 0.08     |
| 60) Fluorene-d10              | 15.704 | 176  | 1016790  | 24.534 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 67510m   | 9.890  | ng/ul  | 0.02     |
| 73) Anthracene-d10            | 17.569 | 188  | 1234593  | 24.351 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1312850  | 24.290 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.933 | 264  | 1394232  | 25.993 | ng/ul  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.510 | 178  | 143177   | 2.374  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.469 | 202  | 331710   | 4.938  | ng/ul# | 93       |
| 82) Pyrene                    | 19.822 | 202  | 277620   | 4.052  | ng/ul# | 89       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 154823   | 2.659  | ng/ul  | 95       |
| 87) Chrysene                  | 21.598 | 228  | 199763   | 3.616  | ng/ul  | 98       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 325445   | 4.763  | ng/ul# | 91       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 111623m  | 1.617  | ng/ul  |          |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 202603   | 3.394  | ng/ul# | 93       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.798 | 276  | 182600   | 2.253  | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 169762   | 2.546  | ng/ul# | 91       |
| -----                         |        |      |          |        |        |          |

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

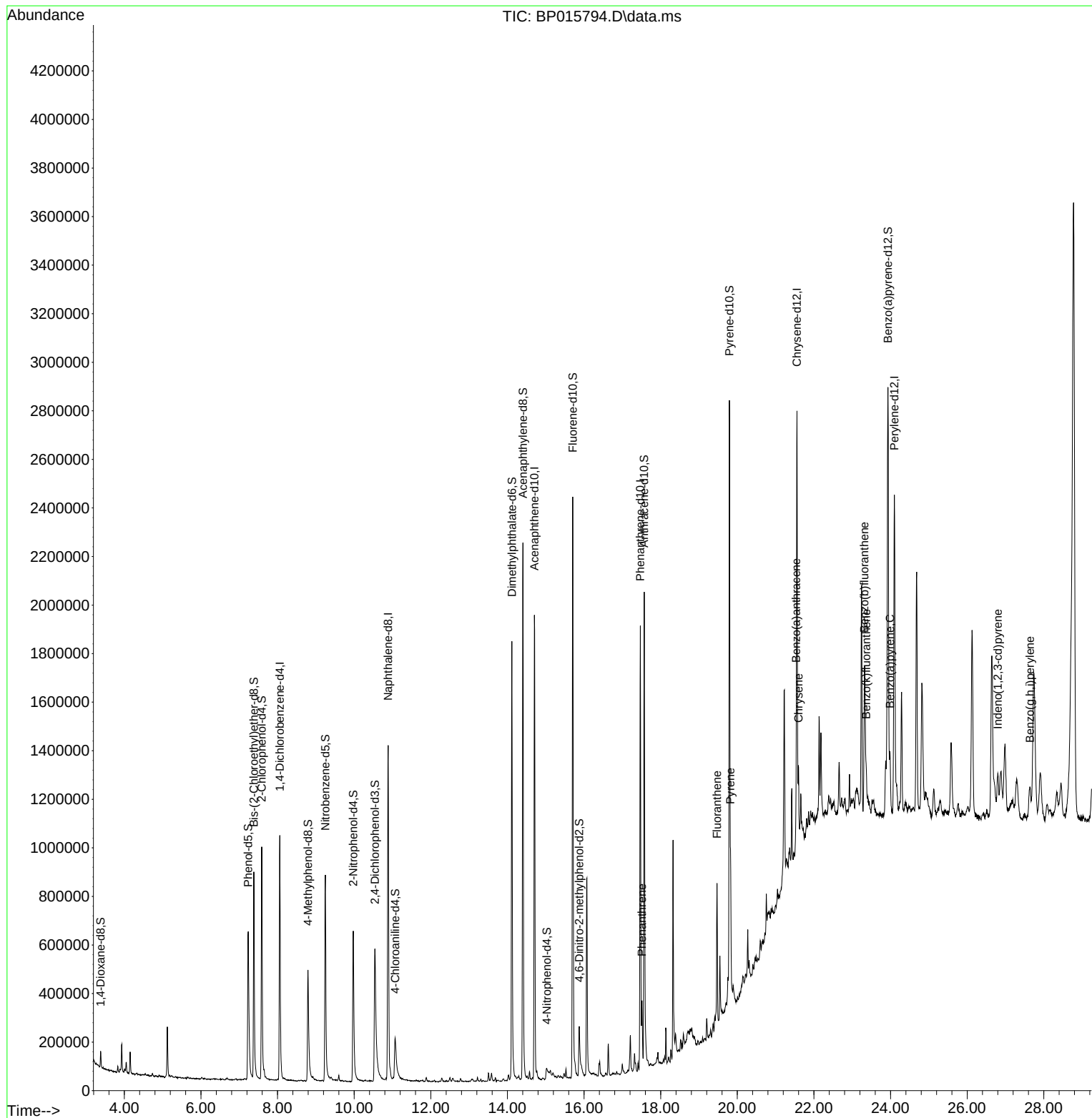
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062823\  
Data File : BP015794.D  
Acq On : 29 Jun 2023 00:02  
Operator : MA/JU  
Sample : 03142-22  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

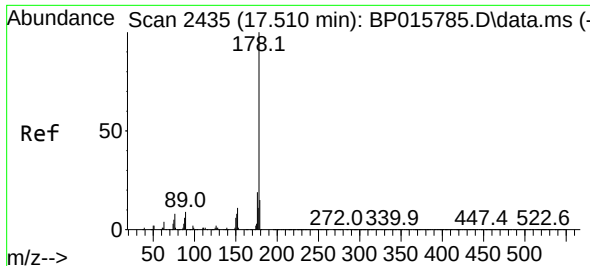
Instrument :  
BNA\_P  
ClientSampleId :  
DCFT9

Quant Time: Jun 29 03:17:04 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP062623.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 29 02:30:23 2023  
Response via : Initial Calibration

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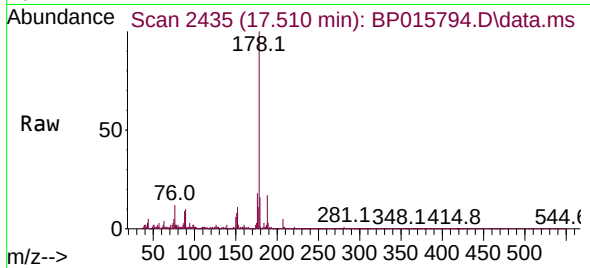
Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023





#72  
Phenanthrene  
Concen: 2.374 ng/ul  
RT: 17.510 min Scan# 2435  
Delta R.T. -0.000 min  
Lab File: BP015794.D  
Acq: 29 Jun 2023 00:02

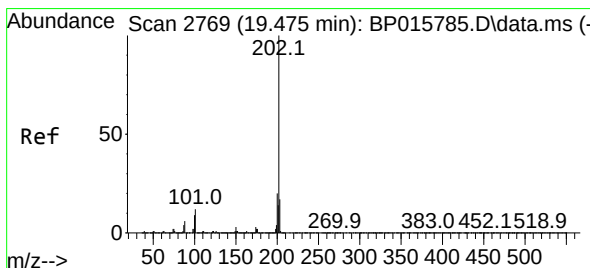
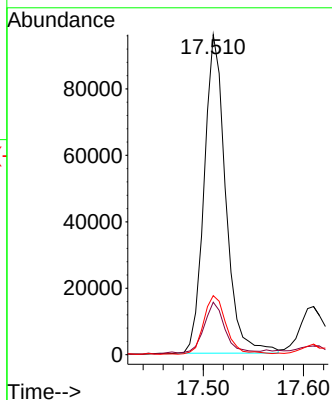
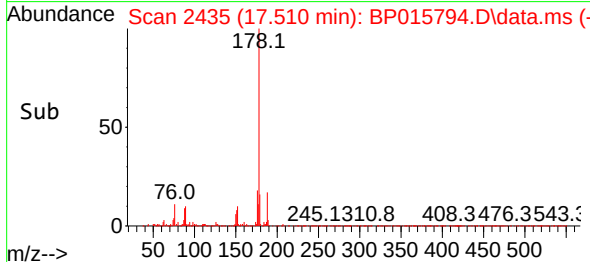
Instrument :  
BNA\_P  
ClientSampleId :  
DCFT9



Tgt Ion:178 Resp: 14317  
Ion Ratio Lower Upper  
178 100  
179 16.4 12.4 18.6  
176 18.5 15.6 23.4

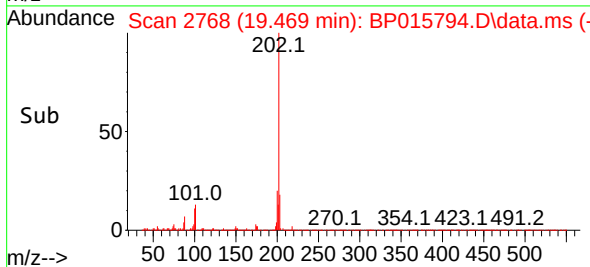
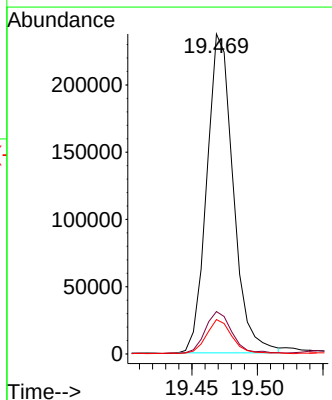
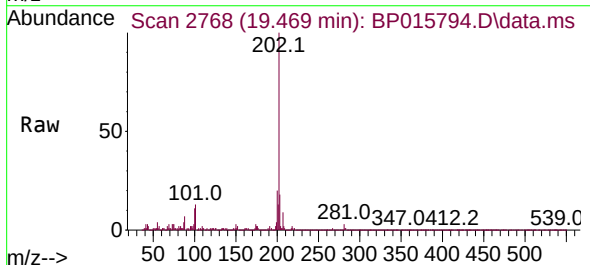
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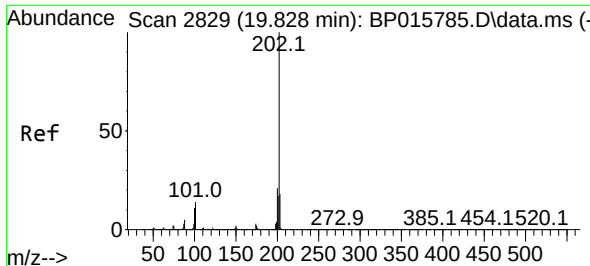
Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



#80  
Fluoranthene  
Concen: 4.938 ng/ul  
RT: 19.469 min Scan# 2768  
Delta R.T. -0.006 min  
Lab File: BP015794.D  
Acq: 29 Jun 2023 00:02

Tgt Ion:202 Resp: 331710  
Ion Ratio Lower Upper  
202 100  
101 13.2 8.3 12.5#  
100 10.8 6.6 9.8#





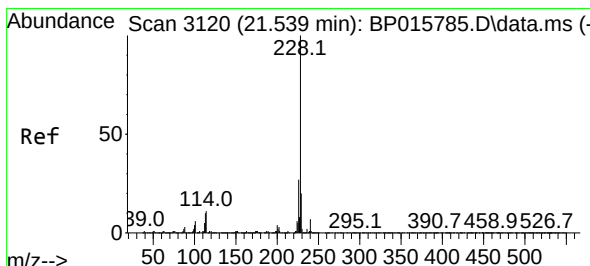
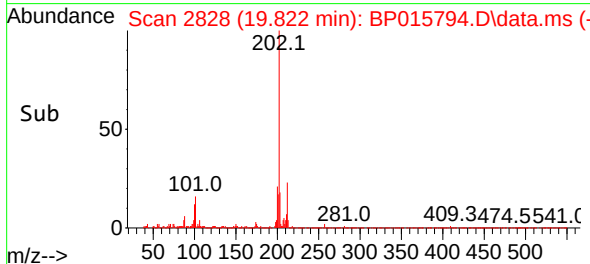
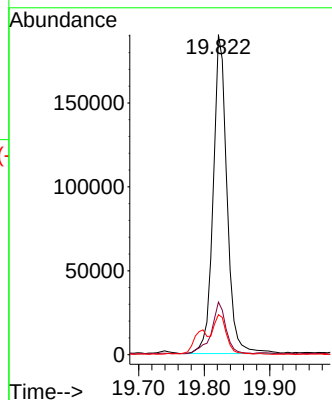
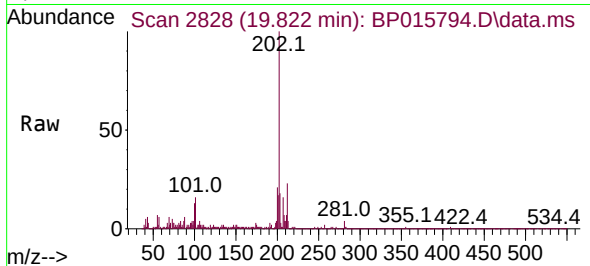
#82  
 Pyrene  
 Concen: 4.052 ng/u1  
 RT: 19.822 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BP015794.D  
 Acq: 29 Jun 2023 00:02

Instrument :  
 BNA\_P  
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Tgt Ion:202 Resp: 277620  
 Ion Ratio Lower Upper  
 202 100  
 101 16.5 9.3 13.9  
 100 12.5 7.6 11.4

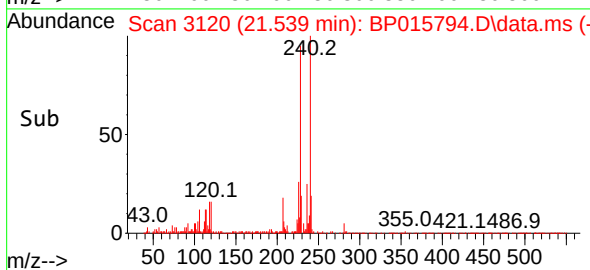
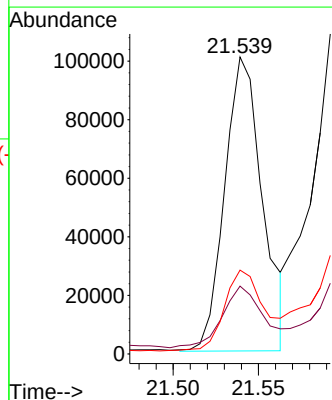
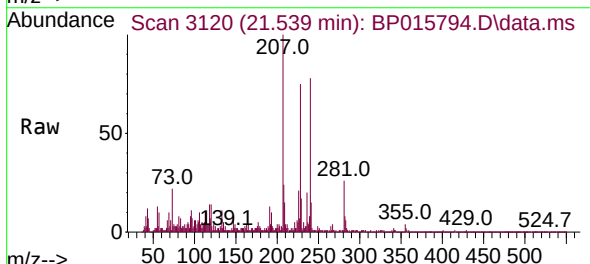
Manual Integrations  
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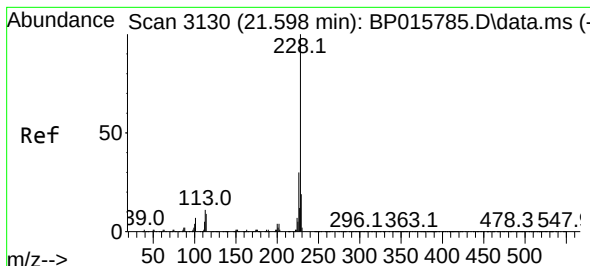
Reviewed By :Yogesh Patel 06/29/2023  
 Supervised By :mohammad ahmed 06/29/2023



#85  
 Benzo(a)anthracene  
 Concen: 2.659 ng/u1  
 RT: 21.539 min Scan# 3120  
 Delta R.T. -0.000 min  
 Lab File: BP015794.D  
 Acq: 29 Jun 2023 00:02

Tgt Ion:228 Resp: 154823  
 Ion Ratio Lower Upper  
 228 100  
 229 22.8 15.3 22.9  
 226 28.2 21.4 32.0





#87

Chrysene

Concen: 3.616 ng/ul

RT: 21.598 min Scan# 3130

Delta R.T. -0.000 min

Lab File: BP015794.D

Acq: 29 Jun 2023 00:02

Instrument :

BNA\_P

ClientSampleId :

DCFT9

Tgt Ion:228 Resp: 19976

Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

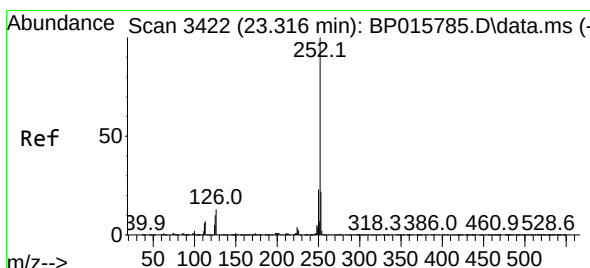
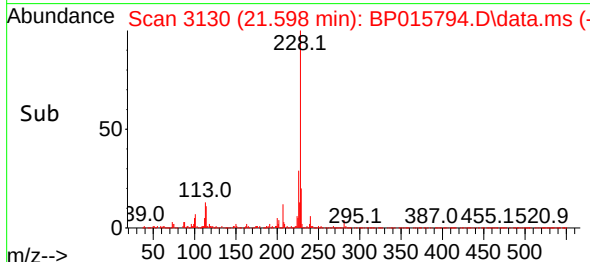
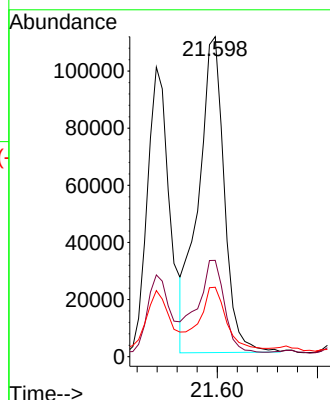
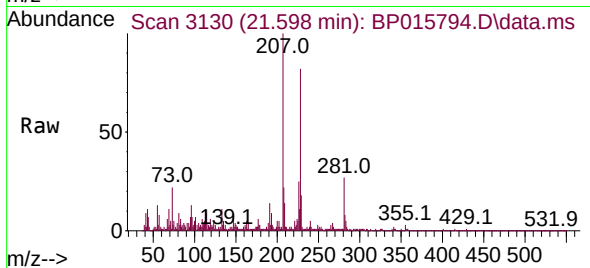
229 21.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/29/2023

Supervised By :mohammad ahmed 06/29/2023



#90

Benzo(b)fluoranthene

Concen: 4.763 ng/ul

RT: 23.316 min Scan# 3422

Delta R.T. -0.000 min

Lab File: BP015794.D

Acq: 29 Jun 2023 00:02

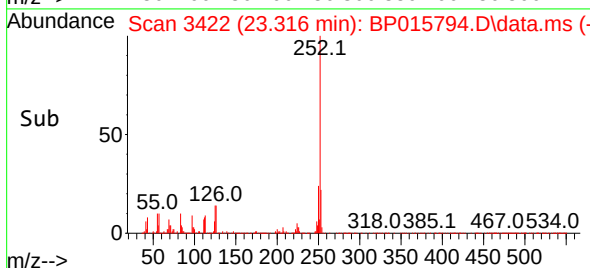
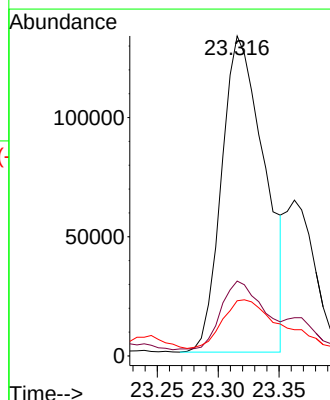
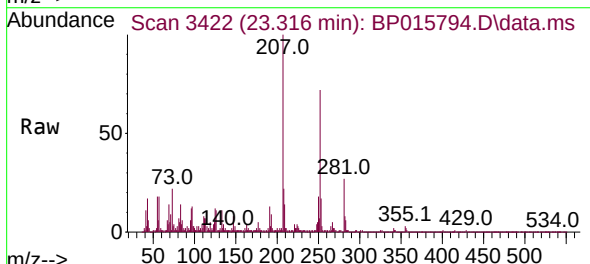
Tgt Ion:252 Resp: 325445

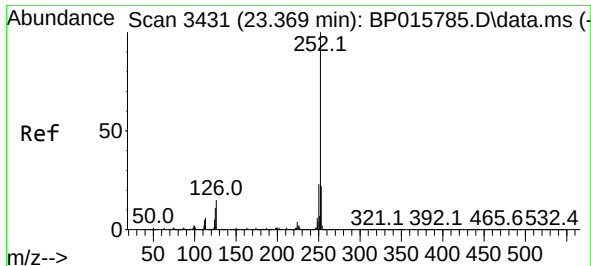
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 17.3 7.5 11.3#





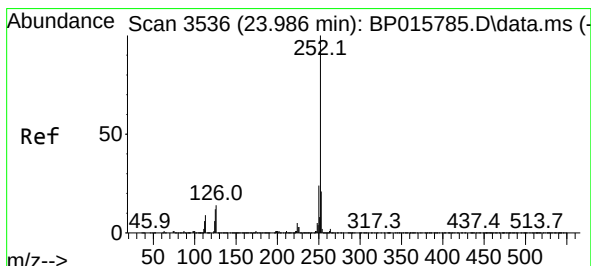
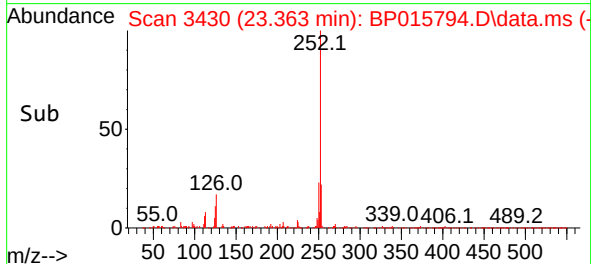
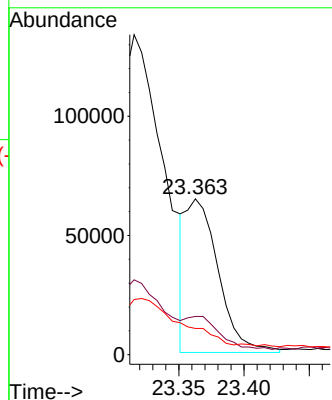
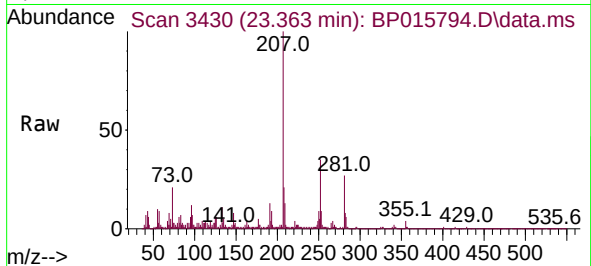
#91  
Benzo(k)fluoranthene  
Concen: 1.617 ng/ul m  
RT: 23.363 min Scan# 3431  
Delta R.T. -0.006 min  
Lab File: BP015794.D  
Acq: 29 Jun 2023 00:02

Instrument :  
BNA\_P  
ClientSampleId :  
DCFT9

Tgt Ion:252 Resp: 11162  
Ion Ratio Lower Upper  
252 100  
253 24.6 17.0 25.4  
125 16.8 7.3 10.9

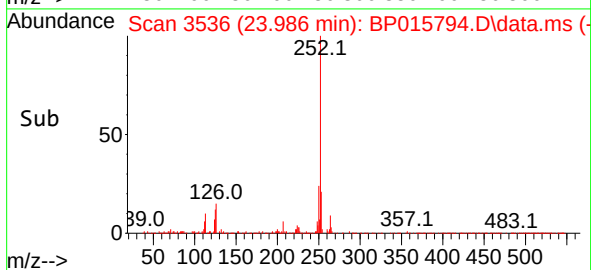
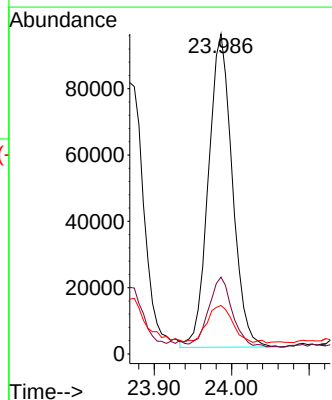
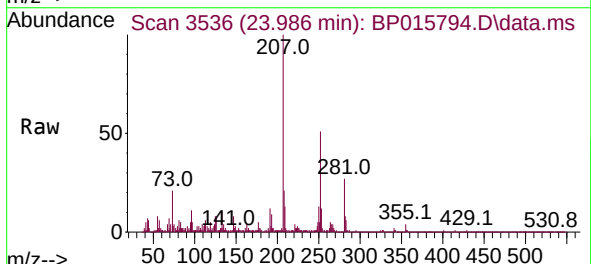
Manual Integrations  
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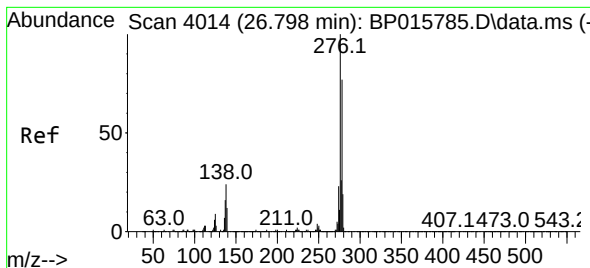
Reviewed By :Yogesh Patel 06/29/2023  
Supervised By :mohammad ahmed 06/29/2023



#93  
Benzo(a)pyrene  
Concen: 3.394 ng/ul  
RT: 23.986 min Scan# 3536  
Delta R.T. -0.000 min  
Lab File: BP015794.D  
Acq: 29 Jun 2023 00:02

Tgt Ion:252 Resp: 202603  
Ion Ratio Lower Upper  
252 100  
253 24.0 17.7 26.5  
125 15.2 8.2 12.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.253 ng/ul

RT: 26.798 min Scan# 4014

Delta R.T. -0.000 min

Lab File: BP015794.D

Acq: 29 Jun 2023 00:02

Instrument :

BNA\_P

ClientSampleId :

DCFT9

Tgt Ion: 276 Resp: 182600

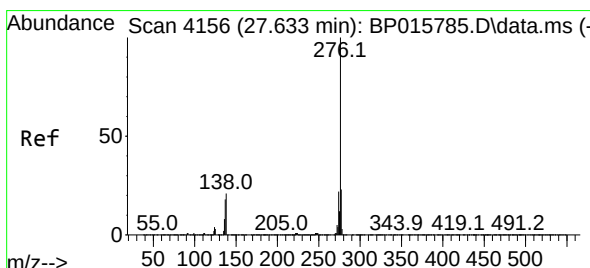
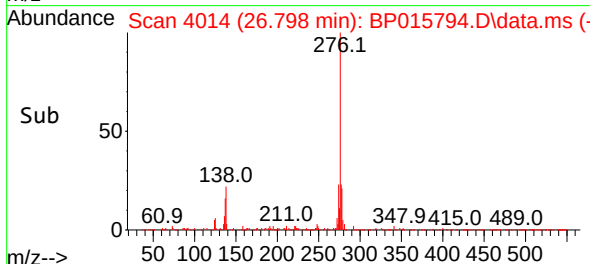
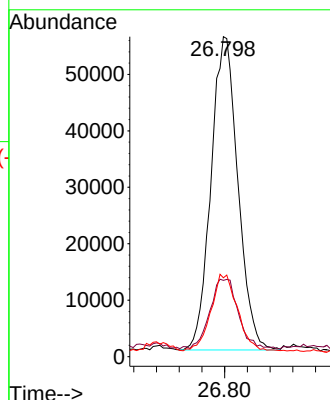
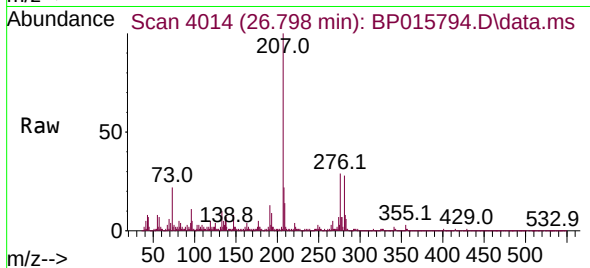
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 23.9  | 15.7  | 23.5  |
| 277 | 24.6  | 19.6  | 29.4  |

Manual Integrations

APPROVED

Reviewed By : Yogesh Patel 06/29/2023

Supervised By : mohammad ahmed 06/29/2023



#96

Benzo(g,h,i)perylene

Concen: 2.546 ng/ul

RT: 27.639 min Scan# 4157

Delta R.T. 0.006 min

Lab File: BP015794.D

Acq: 29 Jun 2023 00:02

Tgt Ion: 276 Resp: 169762

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 25.5  | 15.1  | 22.7  |
| 277 | 25.2  | 18.8  | 28.2  |

