

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
 Data File : BP015805.D  
 Acq On : 29 Jun 2023 11:49  
 Operator : MA/JU  
 Sample : 03143-11  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCFU8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 06/30/2023  
 Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 29 23:02:16 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  | 287866   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.887 | 136  | 1252665  | 20.000 | ng/u1  | # 0.00   |
| 38) Acenaphthene-d10          | 14.704 | 164  | 728554   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1398843  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.557 | 240  | 1001118  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.098 | 264  | 1180101  | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.376  | 96   | 26219    | 3.277  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.828  | 84   | 265098   | 13.144 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.234  | 99   | 513643   | 20.854 | ng/u1  | 0.01     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.381  | 67   | 346914   | 22.766 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.587  | 132  | 408391   | 21.965 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.793  | 113  | 376567   | 19.353 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.246  | 128  | 197522   | 20.633 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.975  | 143  | 215788   | 19.313 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.540 | 165  | 363316   | 18.247 | ng/u1  | 0.02     |
| 31) 4-Chloroaniline-d4        | 11.057 | 131  | 333036   | 13.021 | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 1237286  | 21.972 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.404 | 160  | 1388450  | 21.934 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.987 | 143  | 125582m  | 16.899 | ng/u1  | 0.04     |
| 60) Fluorene-d10              | 15.704 | 176  | 999566   | 21.558 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.869 | 200  | 116340   | 13.524 | ng/u1  | 0.01     |
| 73) Anthracene-d10            | 17.569 | 188  | 1420050  | 22.224 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 1402063  | 21.448 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.933 | 264  | 1327793  | 22.305 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 72) Phenanthrene              | 17.510 | 178  | 514017   | 6.764  | ng/u1  | 99       |
| 74) Anthracene                | 17.604 | 178  | 77085m   | 1.009  | ng/u1  |          |
| 80) Fluoranthene              | 19.469 | 202  | 1705014  | 20.987 | ng/u1# | 93       |
| 82) Pyrene                    | 19.822 | 202  | 1344637  | 16.225 | ng/u1# | 90       |
| 85) Benzo(a)anthracene        | 21.539 | 228  | 683881   | 9.711  | ng/u1  | 97       |
| 87) Chrysene                  | 21.592 | 228  | 836250   | 12.516 | ng/u1  | 98       |
| 90) Benzo(b)fluoranthene      | 23.316 | 252  | 1290405  | 17.018 | ng/u1# | 95       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 409409   | 5.344  | ng/u1# | 93       |
| 93) Benzo(a)pyrene            | 23.986 | 252  | 796386   | 12.020 | ng/u1# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.798 | 276  | 666215   | 7.407  | ng/u1# | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.798 | 278  | 173880   | 2.354  | ng/u1# | 73       |
| 96) Benzo(g,h,i)perylene      | 27.639 | 276  | 595692   | 8.050  | ng/u1# | 92       |
| -----                         |        |      |          |        |        |          |

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

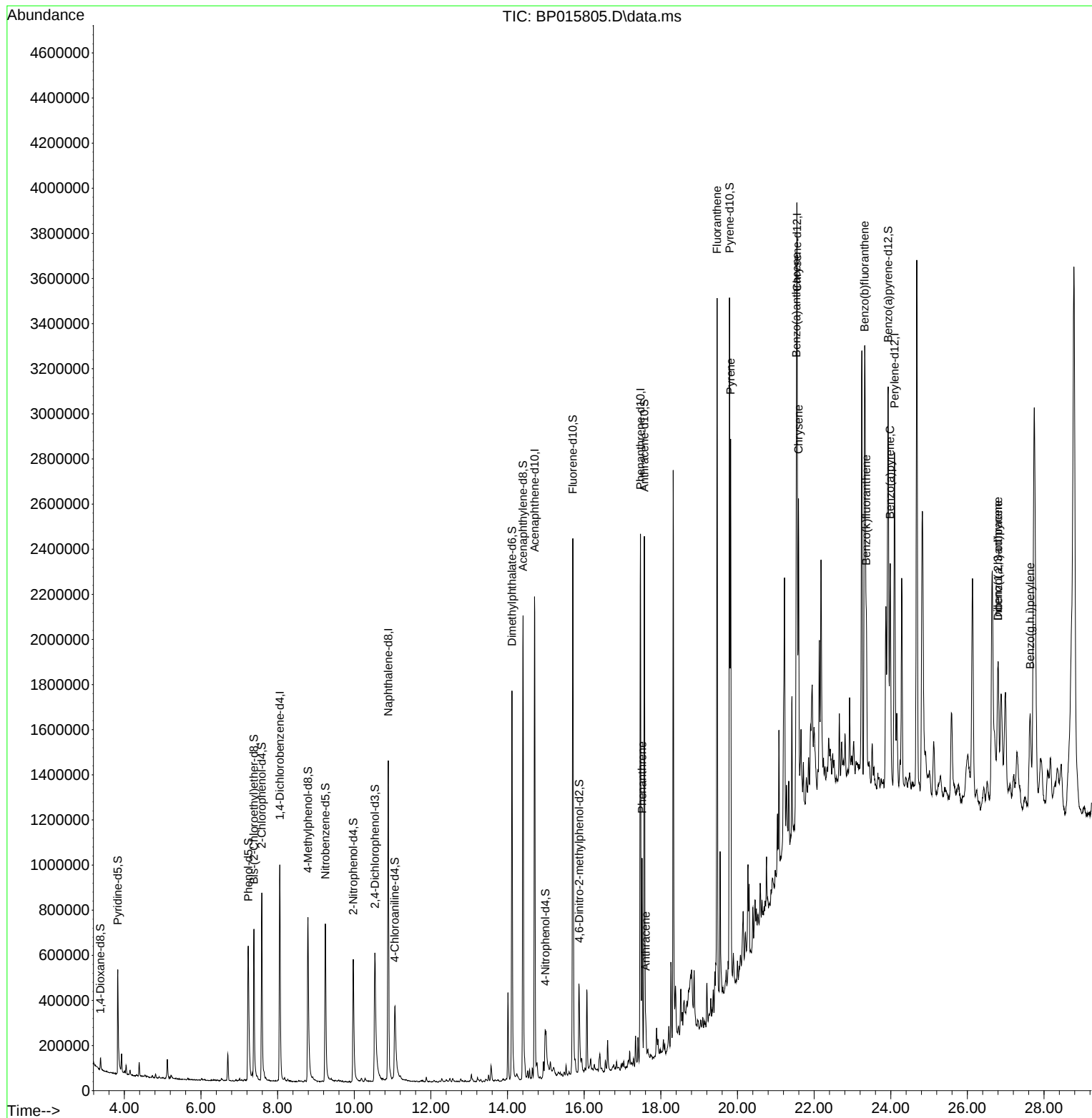
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062923\  
Data File : BP015805.D  
Acq On : 29 Jun 2023 11:49  
Operator : MA/JU  
Sample : 03143-11  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

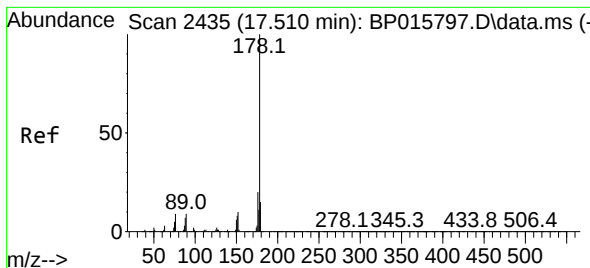
Instrument :  
BNA\_P  
ClientSampleId :  
DCFU8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023

Quant Time: Jun 29 23:02:16 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





#72

Phenanthrene

Concen: 6.764 ng/ul

RT: 17.510 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BP015805.D

Acq: 29 Jun 2023 11:49

Instrument :

BNA\_P

ClientSampleId :

DCFU8

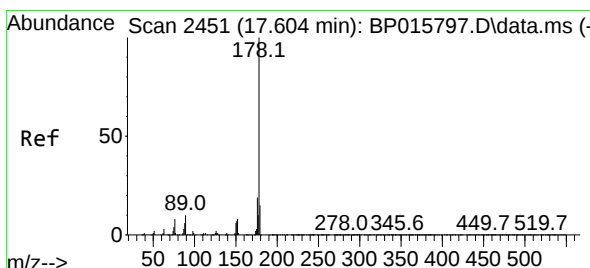
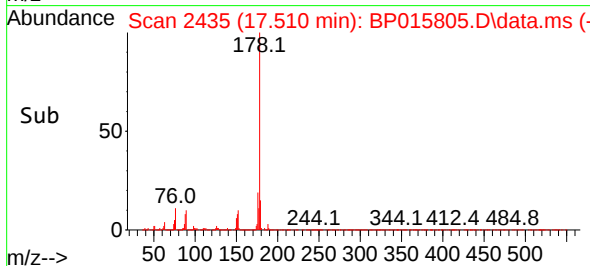
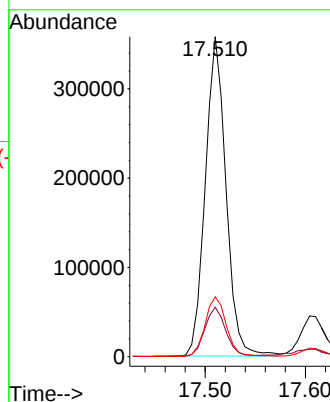
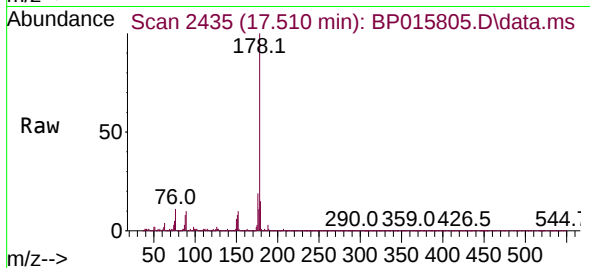
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:178 | Resp: | 51401     |
| Ion Ratio   | Lower | Upper     |
| 178         | 100   |           |
| 179         | 15.4  | 12.4 18.6 |
| 176         | 18.7  | 15.6 23.4 |

Manual Integrations

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Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#74

Anthracene

Concen: 1.009 ng/ul m

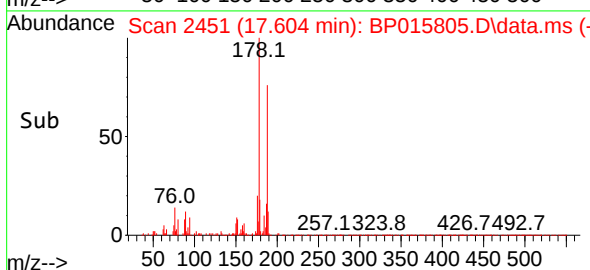
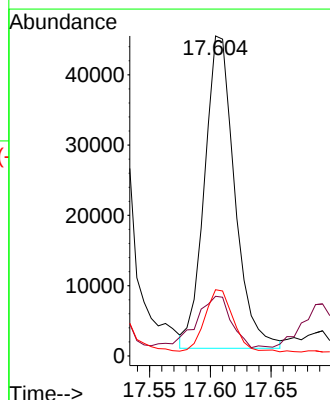
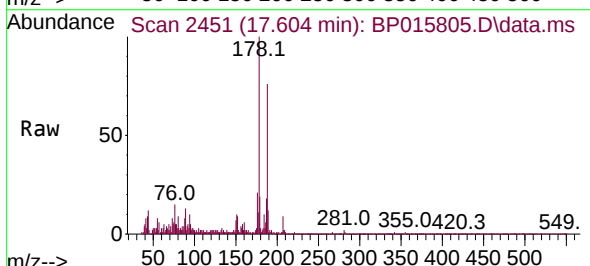
RT: 17.604 min Scan# 2451

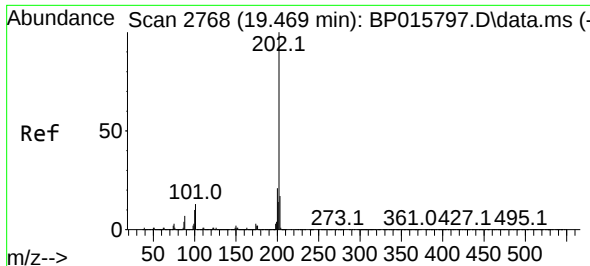
Delta R.T. 0.000 min

Lab File: BP015805.D

Acq: 29 Jun 2023 11:49

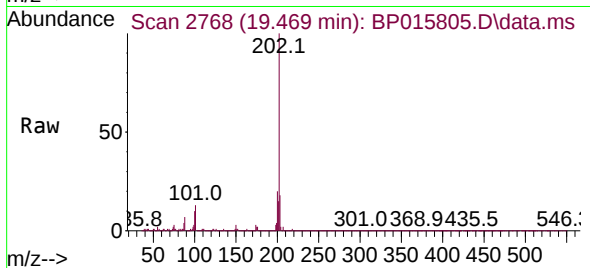
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:178 | Resp: | 77085      |
| Ion Ratio   | Lower | Upper      |
| 178         | 100   |            |
| 179         | 18.6  | 12.1 18.1# |
| 176         | 20.7  | 14.6 22.0  |





#80  
Fluoranthene  
Concen: 20.987 ng/u1  
RT: 19.469 min Scan# 2768  
Delta R.T. -0.006 min  
Lab File: BP015805.D  
Acq: 29 Jun 2023 11:49

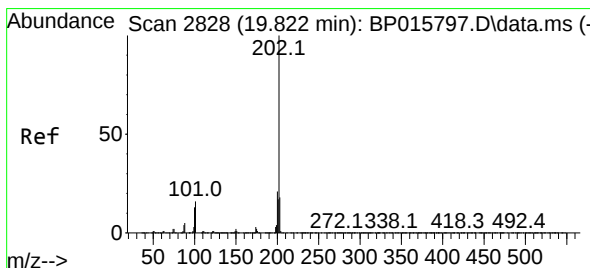
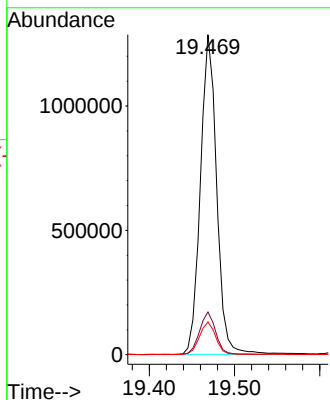
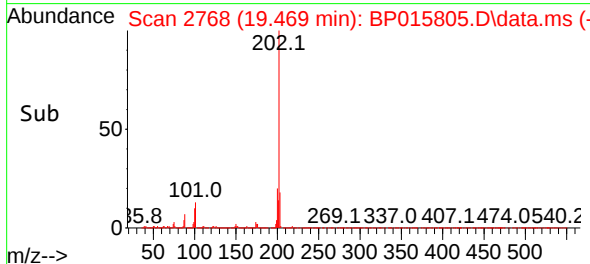
Instrument :  
BNA\_P  
ClientSampleId :  
DCFU8



Tgt Ion:202 Resp: 1705014  
Ion Ratio Lower Upper  
202 100  
101 13.3 8.3 12.5#  
100 10.3 6.6 9.8#

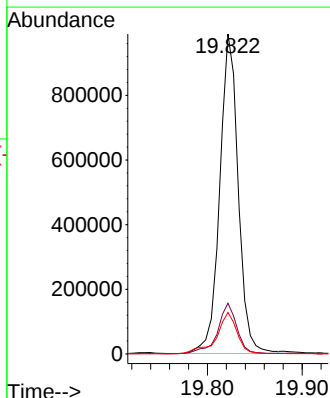
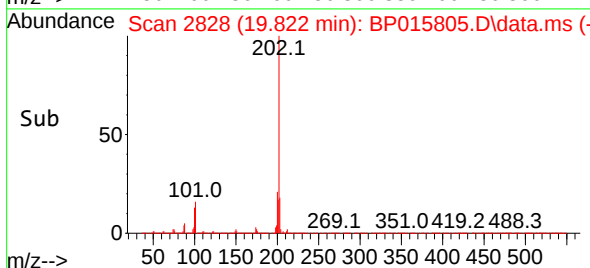
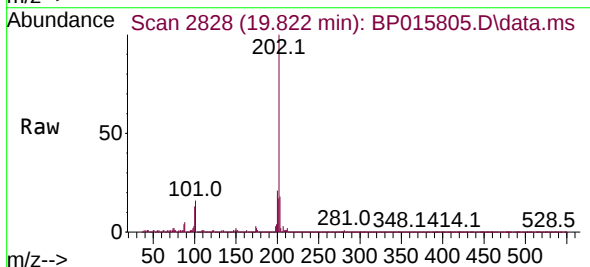
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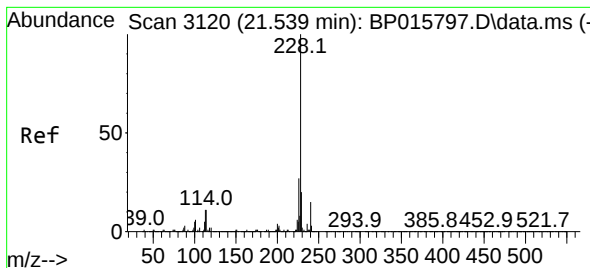
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#82  
Pyrene  
Concen: 16.225 ng/u1  
RT: 19.822 min Scan# 2828  
Delta R.T. -0.006 min  
Lab File: BP015805.D  
Acq: 29 Jun 2023 11:49

Tgt Ion:202 Resp: 1344637  
Ion Ratio Lower Upper  
202 100  
101 15.8 9.3 13.9#  
100 12.9 7.6 11.4#





#85

Benzo(a)anthracene

Concen: 9.711 ng/ul

RT: 21.539 min Scan# 3120

Delta R.T. 0.000 min

Lab File: BP015805.D

Acq: 29 Jun 2023 11:49

Instrument :

BNA\_P

ClientSampleId :

DCFU8

Tgt Ion:228 Resp: 68388

Ion Ratio Lower Upper

228 100

229 21.1 15.3 22.9

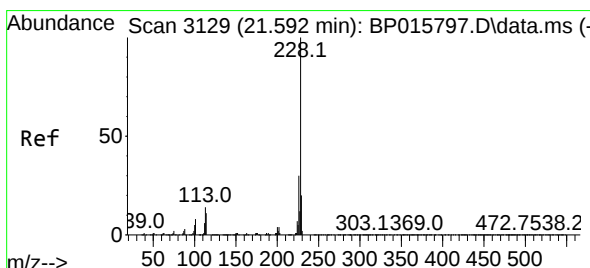
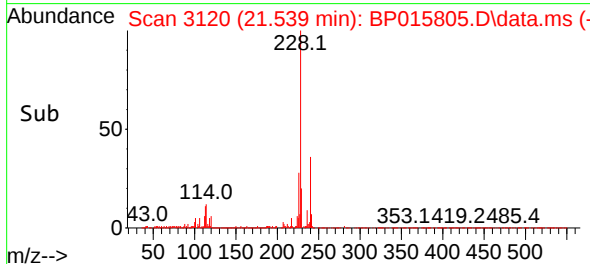
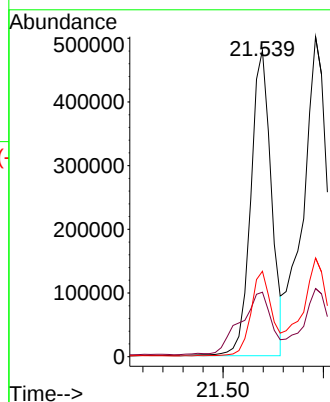
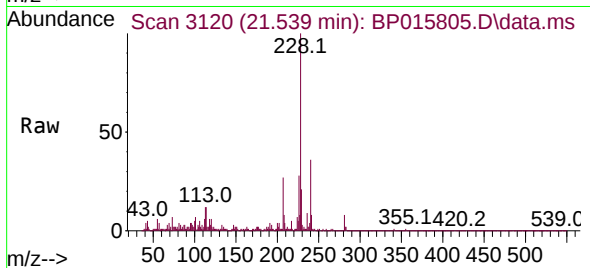
226 27.9 21.4 32.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/30/2023

Supervised By :mohammad ahmed 06/30/2023



#87

Chrysene

Concen: 12.516 ng/ul

RT: 21.592 min Scan# 3129

Delta R.T. -0.006 min

Lab File: BP015805.D

Acq: 29 Jun 2023 11:49

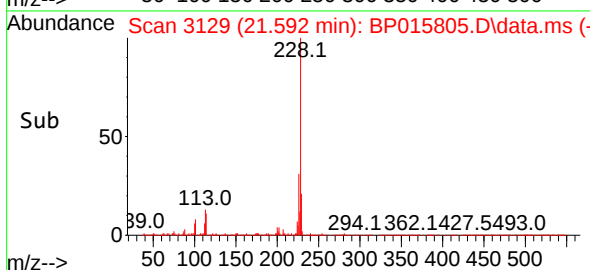
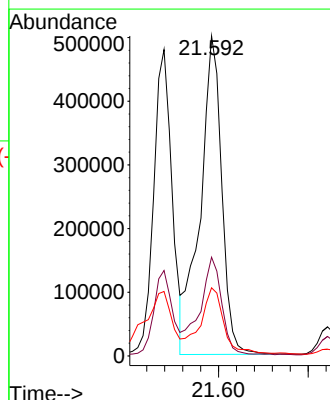
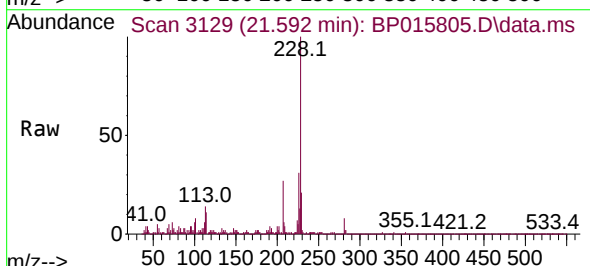
Tgt Ion:228 Resp: 836250

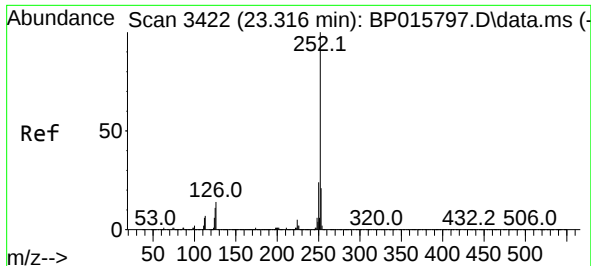
Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

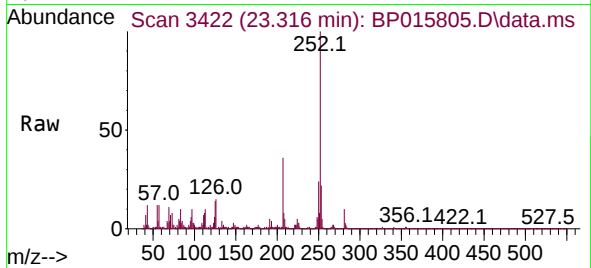
229 21.3 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 17.018 ng/ul  
RT: 23.316 min Scan# 3422  
Delta R.T. 0.000 min  
Lab File: BP015805.D  
Acq: 29 Jun 2023 11:49

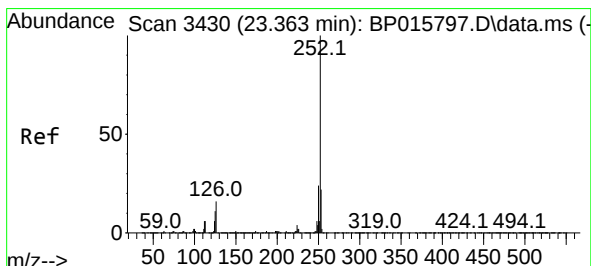
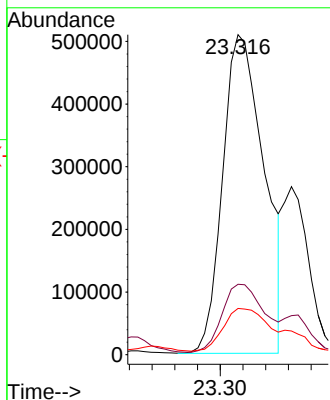
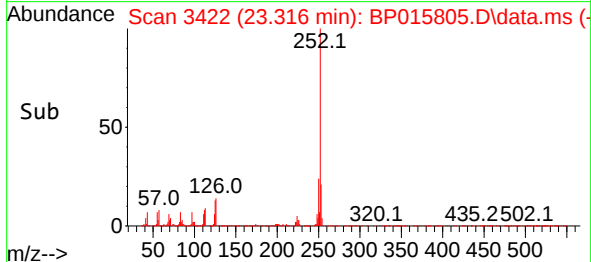
Instrument :  
BNA\_P  
ClientSampleId :  
DCFU8



Tgt Ion:252 Resp: 1290409  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.3 25.9  
125 14.5 7.5 11.3

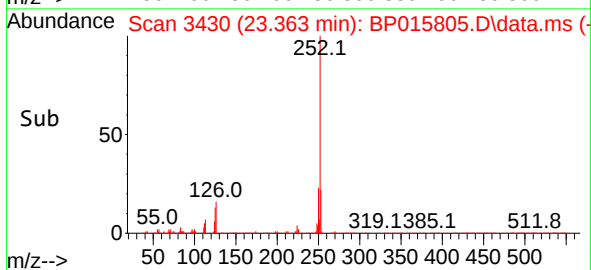
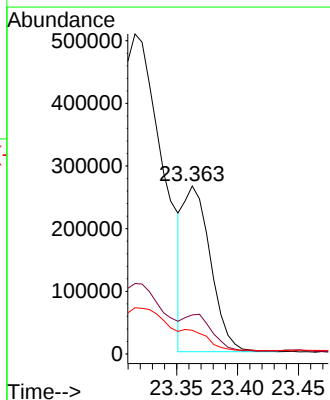
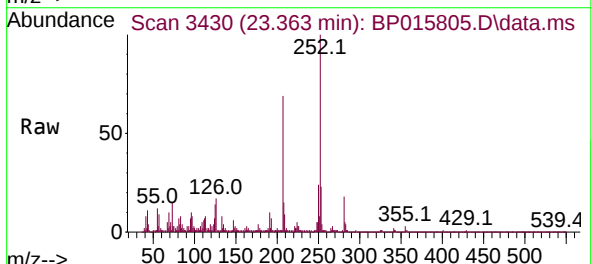
Manual Integrations  
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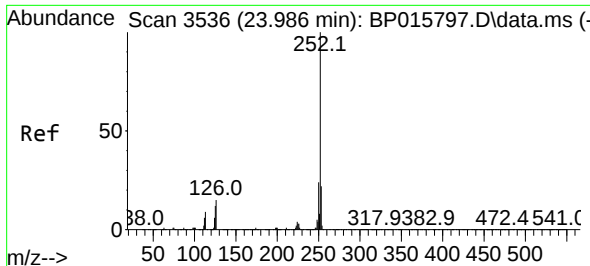
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023



#91  
Benzo(k)fluoranthene  
Concen: 5.344 ng/ul  
RT: 23.363 min Scan# 3430  
Delta R.T. -0.006 min  
Lab File: BP015805.D  
Acq: 29 Jun 2023 11:49

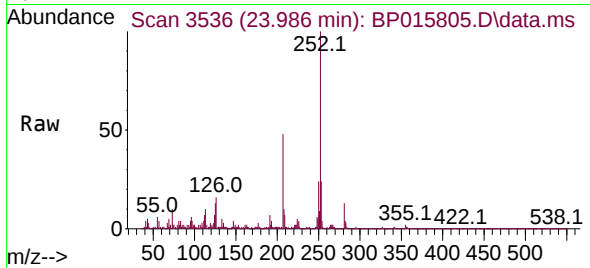
Tgt Ion:252 Resp: 409409  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.0 25.4  
125 14.1 7.3 10.9





#93  
Benzo(a)pyrene  
Concen: 12.020 ng/ul  
RT: 23.986 min Scan# 3536  
Delta R.T. 0.000 min  
Lab File: BP015805.D  
Acq: 29 Jun 2023 11:49

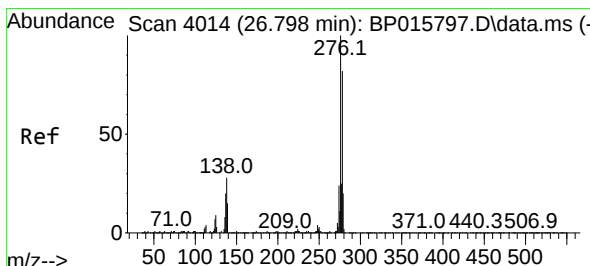
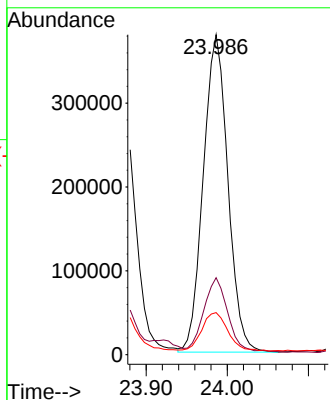
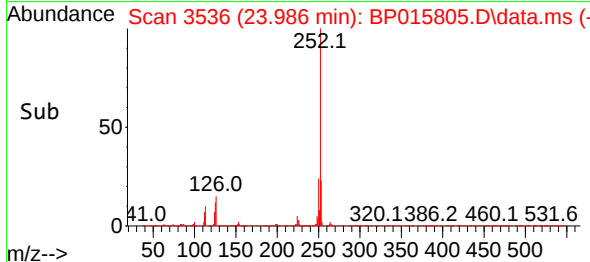
Instrument :  
BNA\_P  
ClientSampleId :  
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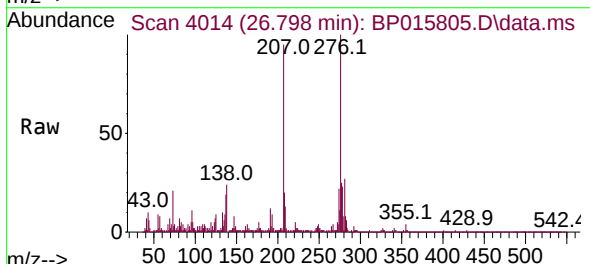
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Ion Ratio Lower Upper  
252 100  
253 24.1 17.7 26.5  
125 13.1 8.2 12.2

Manual Integrations  
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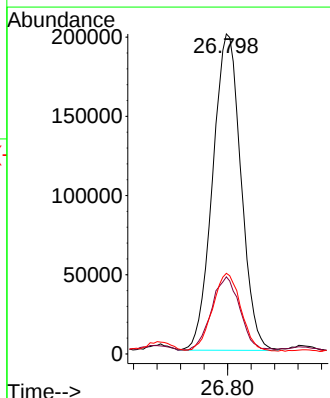
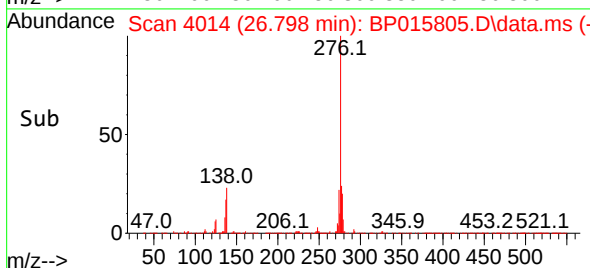
Reviewed By :Yogesh Patel 06/30/2023  
Supervised By :mohammad ahmed 06/30/2023

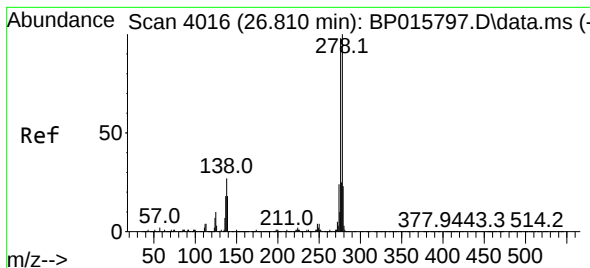


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 7.407 ng/ul  
RT: 26.798 min Scan# 4014  
Delta R.T. 0.000 min  
Lab File: BP015805.D  
Acq: 29 Jun 2023 11:49



Tgt Ion:276 Resp: 666215  
Ion Ratio Lower Upper  
276 100  
138 24.1 15.7 23.5#  
277 25.2 19.6 29.4





#95

Dibenzo(a,h)anthracene

Concen: 2.354 ng/ul

RT: 26.798 min Scan# 4016

Delta R.T. -0.012 min

Lab File: BP015805.D

Acq: 29 Jun 2023 11:49

Instrument :

BNA\_P

ClientSampleId :

DCFU8

Tgt Ion:278 Resp: 173880

Ion Ratio Lower Upper

278 100

139 0.0 10.5 15.7

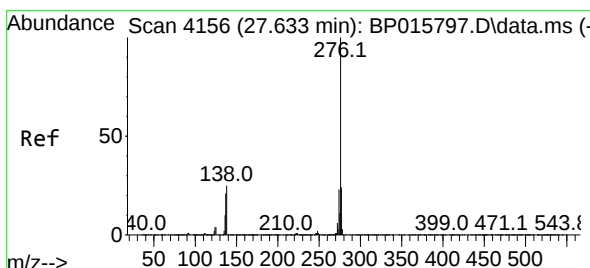
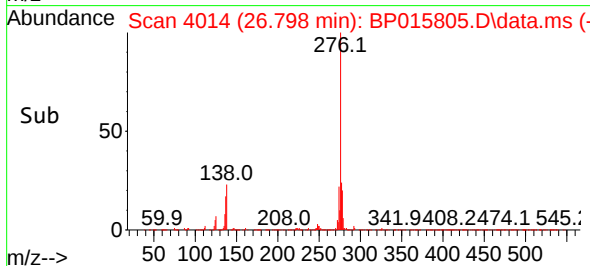
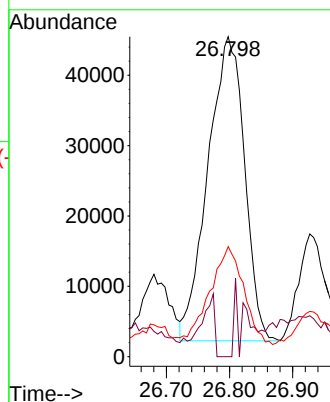
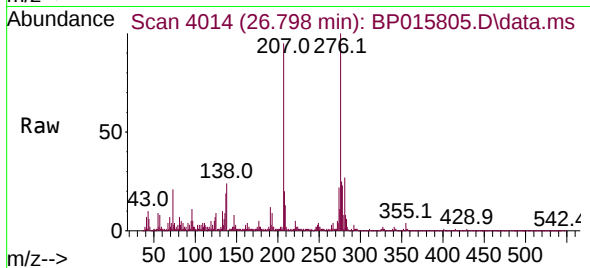
279 34.4 18.4 27.6

Manual Integrations

APPROVED

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Supervised By :mohammad ahmed 06/30/2023



#96

Benzo(g,h,i)perylene

Concen: 8.050 ng/ul

RT: 27.639 min Scan# 4157

Delta R.T. 0.006 min

Lab File: BP015805.D

Acq: 29 Jun 2023 11:49

Tgt Ion:276 Resp: 595692

Ion Ratio Lower Upper

276 100

138 25.0 15.1 22.7

277 25.6 18.8 28.2

