

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092823\  
 Data File : BP017414.D  
 Acq On : 28 Sep 2023 15:15  
 Operator : MA/JU  
 Sample : 04417-40  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EZYE7

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/29/2023  
 Supervised By :mohammad ahmed 10/02/2023

Quant Time: Sep 28 23:01:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 15:31:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.957  | 152  | 159640   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.793 | 136  | 700671   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.651 | 164  | 395557   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.439 | 188  | 722641   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.568 | 240  | 603730   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.157 | 264  | 733577   | 20.000 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.299  | 96   | 13925    | 3.583  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.734  | 84   | 176681   | 16.261 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.110  | 99   | 241432   | 18.414 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 190616   | 24.090 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 122571   | 11.787 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.675  | 113  | 161881   | 15.881 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.163  | 128  | 122538   | 24.191 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.881  | 143  | 24546    | 4.463  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.410 | 165  | 60254    | 5.798  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.963 | 131  | 281476   | 18.699 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.063 | 166  | 717222   | 25.311 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.351 | 160  | 792645   | 24.321 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.892 | 143  | 145      | 0.029  | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.657 | 176  | 584240   | 23.949 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.798 | 200  | 462      | 0.113  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.539 | 188  | 799850   | 24.957 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.792 | 212  | 891222   | 27.298 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.986 | 264  | 896697   | 25.388 | ng/u1  | 0.00     |
|                               |        |      |          |        |        |          |
| Target Compounds              | Qvalue |      |          |        |        |          |
| 36) 2-Methylnaphthalene       | 12.463 | 142  | 44920    | 1.886  | ng/u1  | 97       |
| 37) 1-Methylnaphthalene       | 12.681 | 142  | 30265    | 1.243  | ng/u1# | 96       |
| 72) Phenanthrene              | 17.480 | 178  | 147641   | 3.901  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.457 | 202  | 120001   | 3.152  | ng/u1  | 98       |
| 82) Pyrene                    | 19.822 | 202  | 90373    | 2.233  | ng/u1  | 97       |
| 85) Benzo(a)anthracene        | 21.551 | 228  | 52756    | 1.295  | ng/u1# | 82       |
| 87) Chrysene                  | 21.610 | 228  | 90563m   | 2.362  | ng/u1  |          |
| 90) Benzo(b)fluoranthene      | 23.351 | 252  | 81484    | 1.884  | ng/u1# | 49       |
| 93) Benzo(a)pyrene            | 24.039 | 252  | 47794    | 1.155  | ng/u1# | 25       |
| 96) Benzo(g,h,i)perylene      | 27.750 | 276  | 60239m   | 1.440  | ng/u1  |          |
| -----                         |        |      |          |        |        |          |

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

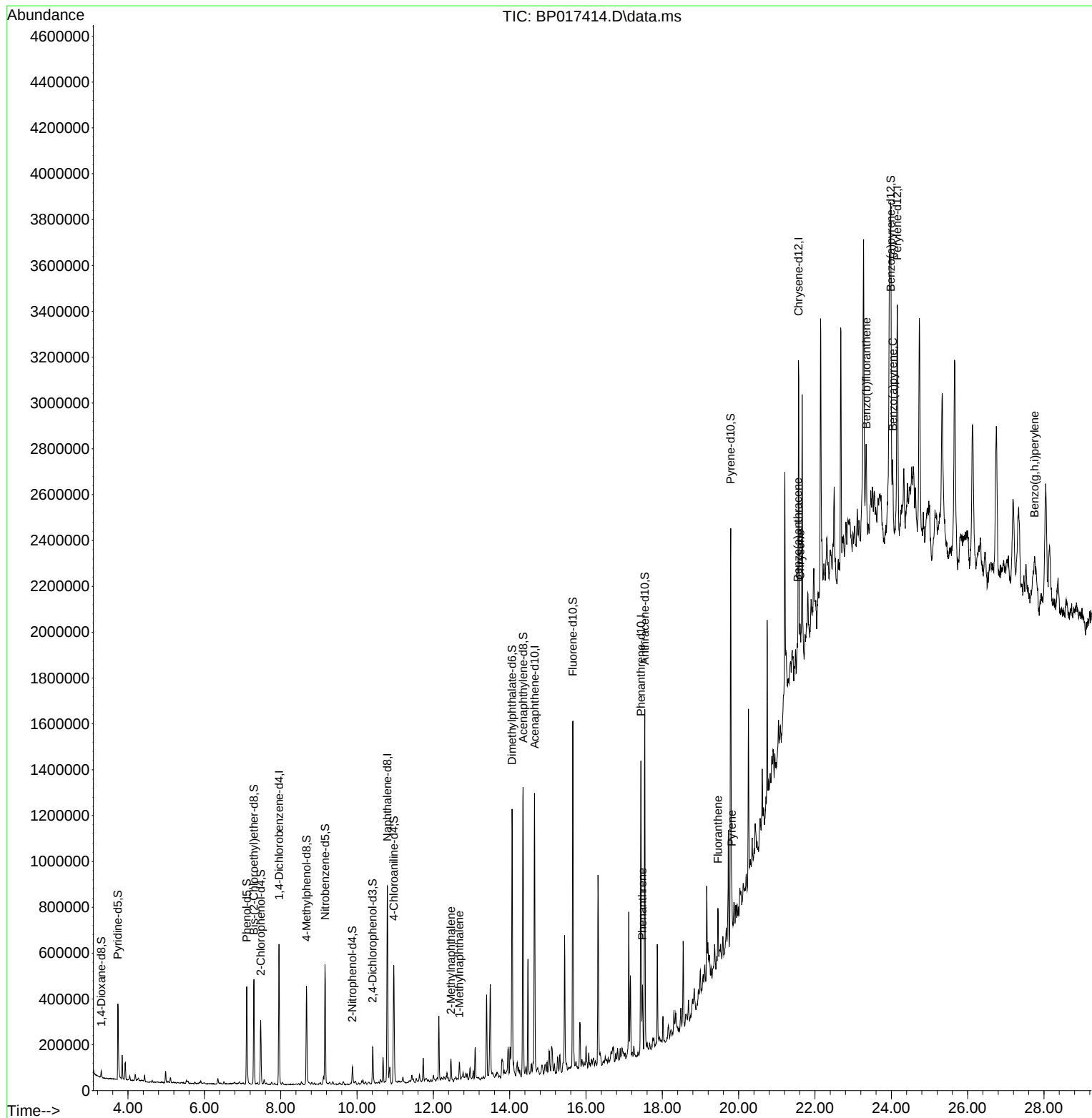
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092823\  
Data File : BP017414.D  
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ALS Vial : 6 Sample Multiplier: 1

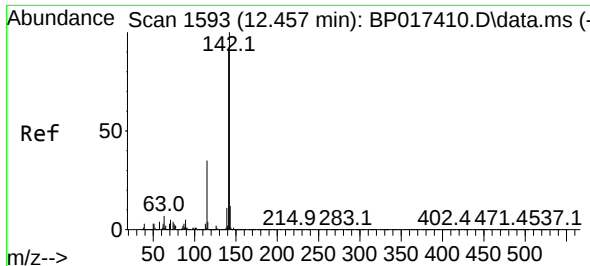
Instrument :  
BNA\_P  
ClientSampleId :  
EZY7

Quant Time: Sep 28 23:01:57 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
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Supervised By :mohammad ahmed 10/02/2023





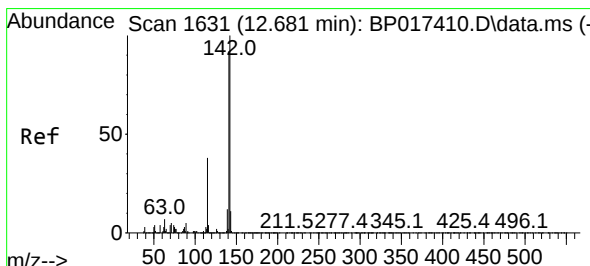
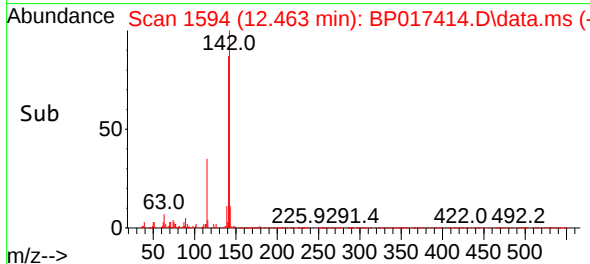
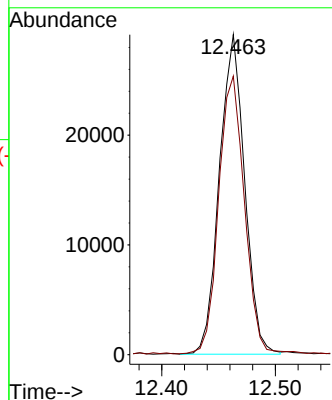
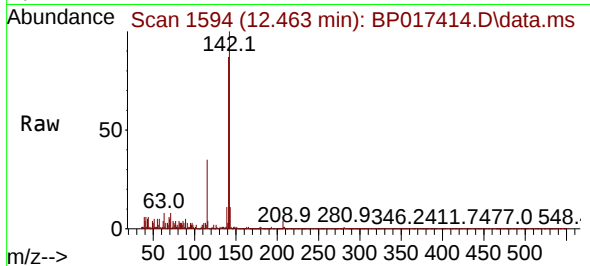
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2-Methylnaphthalene  
Concen: 1.886 ng/ul  
RT: 12.463 min Scan# 1594  
Delta R.T. 0.006 min  
Lab File: BP017414.D  
Acq: 28 Sep 2023 15:15

Instrument :  
BNA\_P  
ClientSampleId :  
EZY7

Tgt Ion:142 Resp: 44920  
Ion Ratio Lower Upper  
142 100  
141 87.1 71.9 107.9

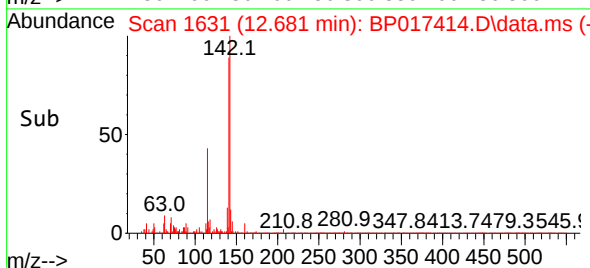
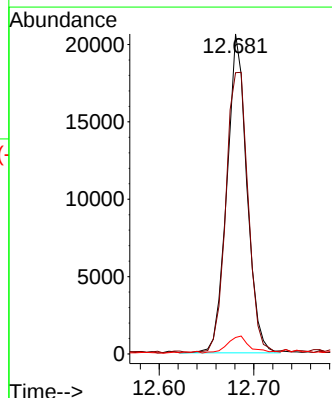
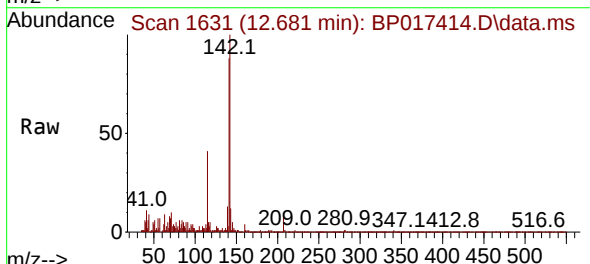
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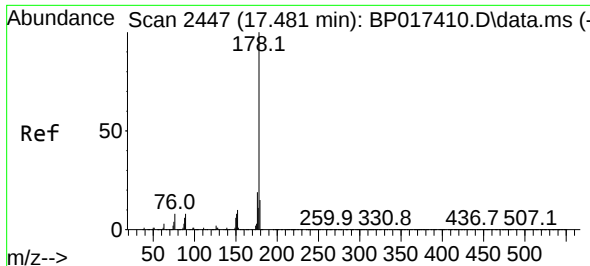
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023



#37  
1-Methylnaphthalene  
Concen: 1.243 ng/ul  
RT: 12.681 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: BP017414.D  
Acq: 28 Sep 2023 15:15

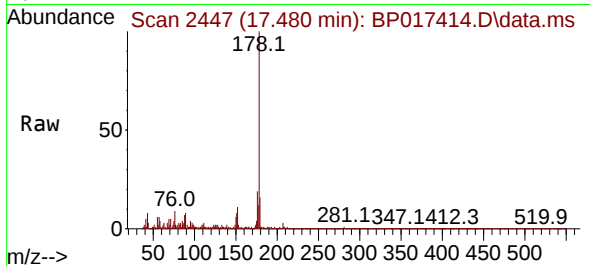
Tgt Ion:142 Resp: 30265  
Ion Ratio Lower Upper  
142 100  
141 87.9 73.4 110.2  
116 5.1 3.1 4.7#





#72  
Phenanthrene  
Concen: 3.901 ng/ul  
RT: 17.480 min Scan# 2447  
Delta R.T. -0.000 min  
Lab File: BP017414.D  
Acq: 28 Sep 2023 15:15

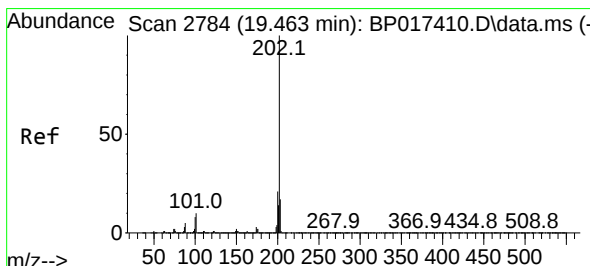
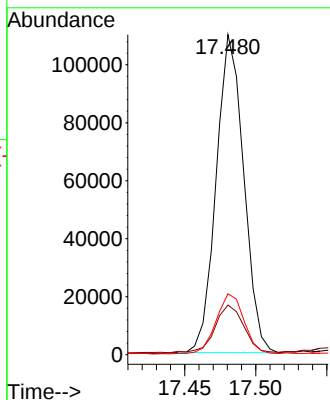
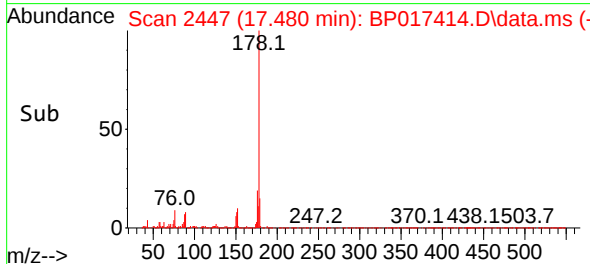
Instrument :  
BNA\_P  
ClientSampleId :  
EZY7



Tgt Ion:178 Resp: 14764  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.7 19.1  
176 19.0 15.8 23.6

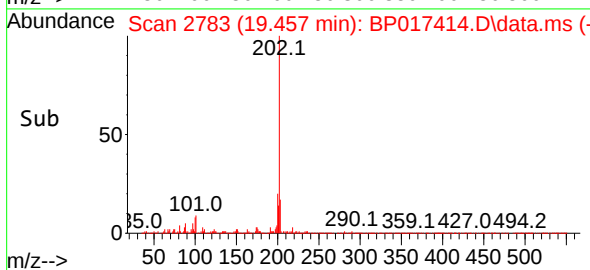
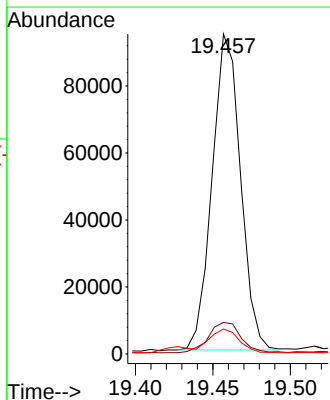
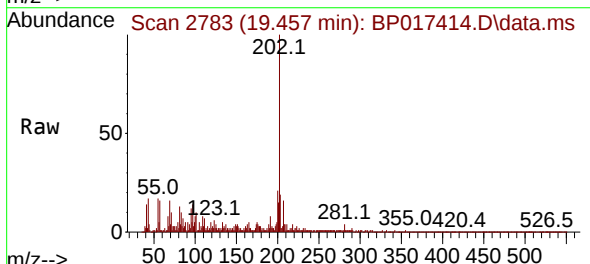
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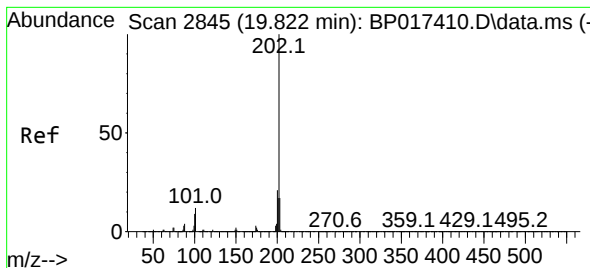
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023



#80  
Fluoranthene  
Concen: 3.152 ng/ul  
RT: 19.457 min Scan# 2783  
Delta R.T. -0.006 min  
Lab File: BP017414.D  
Acq: 28 Sep 2023 15:15

Tgt Ion:202 Resp: 120001  
Ion Ratio Lower Upper  
202 100  
101 9.9 8.4 12.6  
100 7.8 6.6 10.0





#82

Pyrene

Concen: 2.233 ng/ul

RT: 19.822 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP017414.D

Acq: 28 Sep 2023 15:15

Instrument :

BNA\_P

ClientSampleId :

EZY7

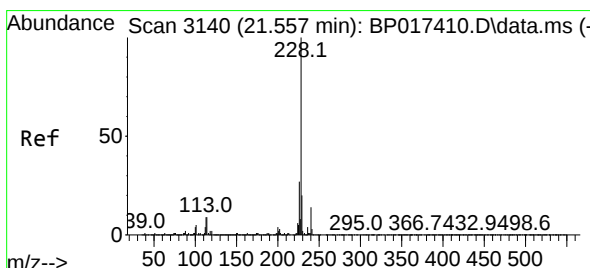
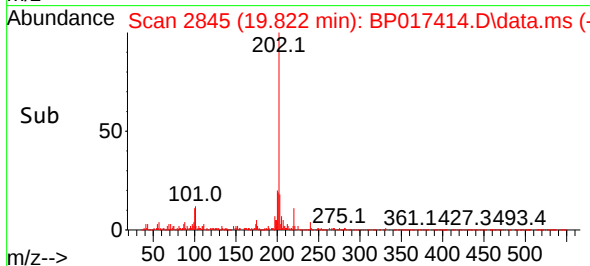
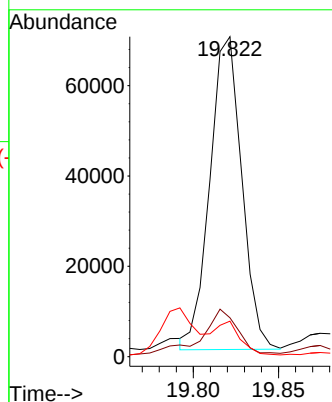
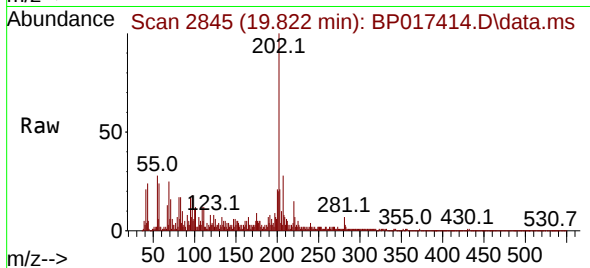
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 9037 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 13.8  | 9.8   | 14.8 |
| 100       | 11.1  | 8.1   | 12.1 |

Manual Integrations

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Supervised By :mohammad ahmed 10/02/2023



#85

Benzo(a)anthracene

Concen: 1.295 ng/ul

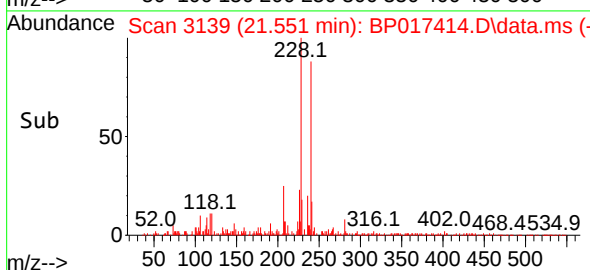
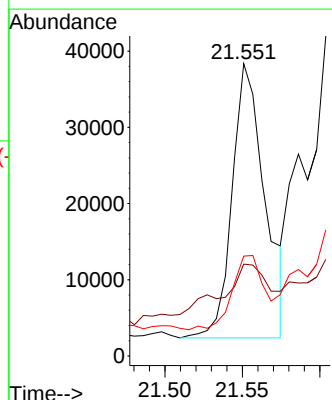
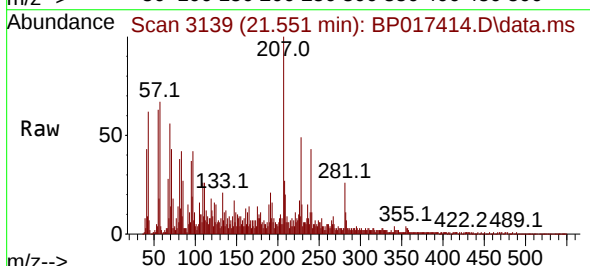
RT: 21.551 min Scan# 3139

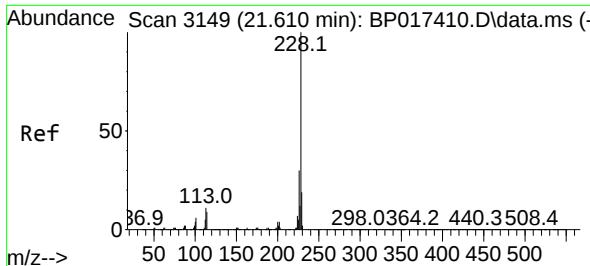
Delta R.T. -0.006 min

Lab File: BP017414.D

Acq: 28 Sep 2023 15:15

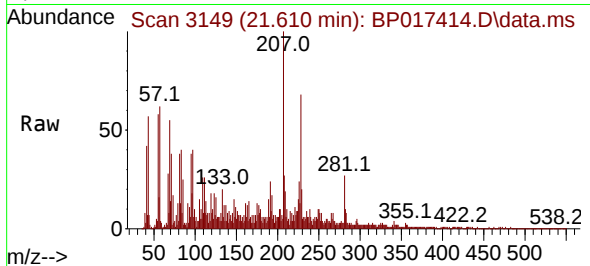
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|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 52756 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 31.4  | 15.8  | 23.6# |
| 226       | 34.2  | 21.8  | 32.8# |





#87  
Chrysene  
Concen: 2.362 ng/ul m  
RT: 21.610 min Scan# 3149  
Delta R.T. -0.000 min  
Lab File: BP017414.D  
Acq: 28 Sep 2023 15:15

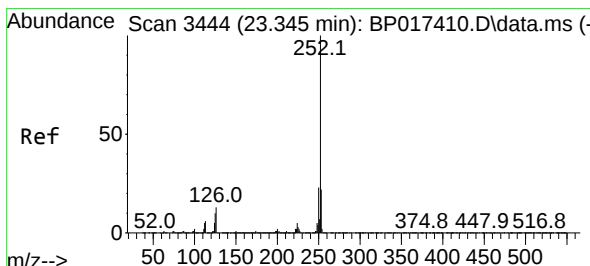
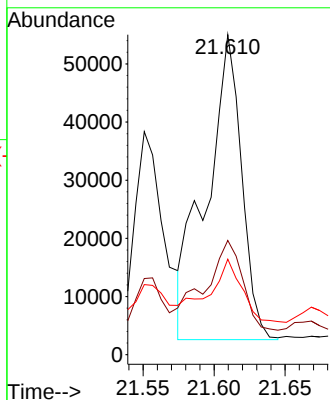
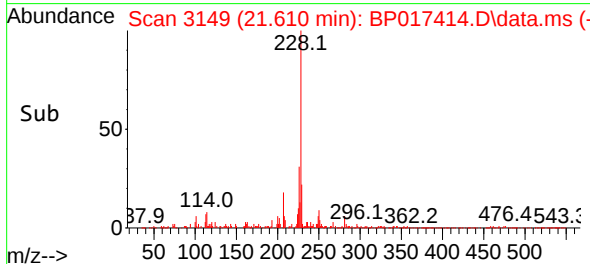
Instrument :  
BNA\_P  
ClientSampleId :  
EZY7



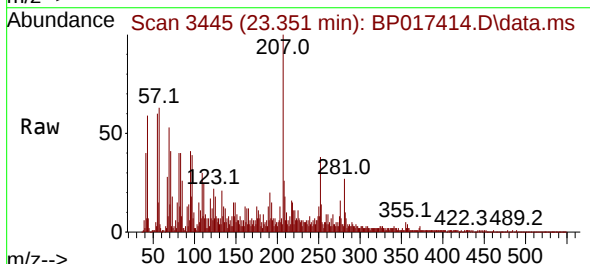
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Ion Ratio Lower Upper  
228 100  
226 35.7 24.1 36.1  
229 29.8 15.0 22.6

Manual Integrations  
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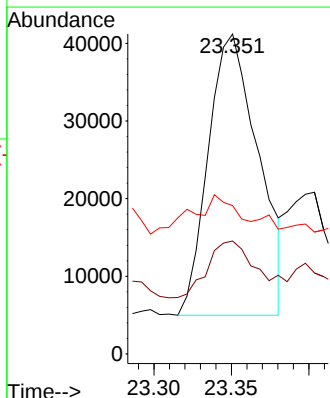
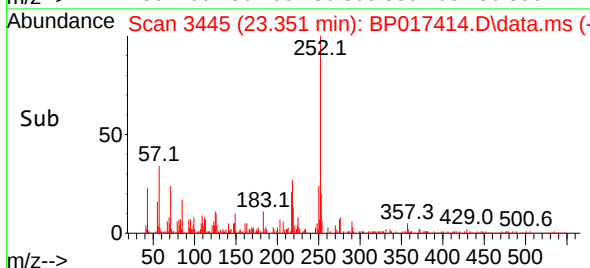
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023

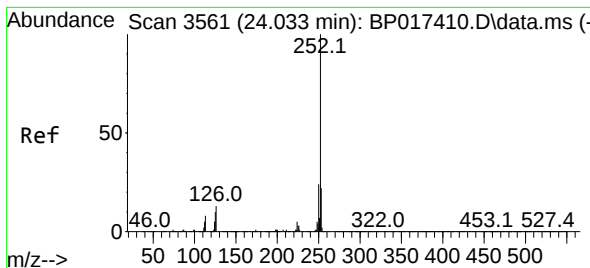


#90  
Benzo(b)fluoranthene  
Concen: 1.884 ng/ul  
RT: 23.351 min Scan# 3445  
Delta R.T. 0.006 min  
Lab File: BP017414.D  
Acq: 28 Sep 2023 15:15



Tgt Ion:252 Resp: 81484  
Ion Ratio Lower Upper  
252 100  
253 35.3 17.4 26.0#  
125 46.4 7.8 11.8#





#93

Benzo(a)pyrene

Concen: 1.155 ng/ul

RT: 24.039 min Scan# 3561

Delta R.T. 0.006 min

Lab File: BP017414.D

Acq: 28 Sep 2023 15:15

Instrument :

BNA\_P

ClientSampleId :

EZY7

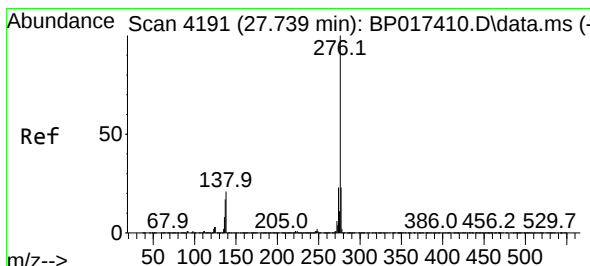
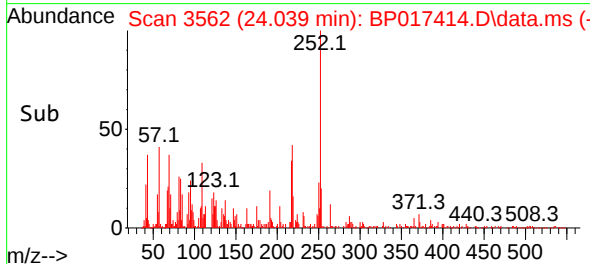
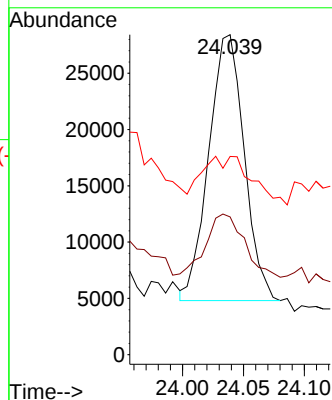
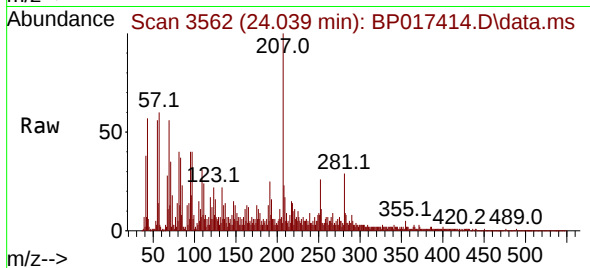
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|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 47794 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 43.1  | 17.4  | 26.0  |
| 125       | 61.9  | 8.9   | 13.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/29/2023

Supervised By :mohammad ahmed 10/02/2023



#96

Benzo(g,h,i)perylene

Concen: 1.440 ng/ul m

RT: 27.750 min Scan# 4193

Delta R.T. 0.012 min

Lab File: BP017414.D

Acq: 28 Sep 2023 15:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 60239 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 39.0  | 17.3  | 25.9  |
| 277       | 40.5  | 18.8  | 28.2  |

