

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092823\  
 Data File : BP017433.D  
 Acq On : 29 Sep 2023 02:33  
 Operator : MA/JU  
 Sample : 04417-29  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EZYF5

Manual Integrations  
 APPROVED

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

Quant Time: Sep 29 03:53:27 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Sep 28 23:22:11 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.957  | 152  | 127661   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.798 | 136  | 525090   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.651 | 164  | 328063   | 20.000 | ng/u1  | -0.01    |
| 64) Phenanthrene-d10          | 17.439 | 188  | 742457   | 20.000 | ng/u1  | -0.01    |
| 79) Chrysene-d12              | 21.569 | 240  | 665472   | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.151 | 264  | 788905   | 20.000 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.299  | 96   | 10782    | 3.469  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.752  | 84   | 17842    | 2.053  | ng/u1  | 0.01     |
| 7) Phenol-d5                  | 7.110  | 99   | 188300   | 17.959 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.299  | 67   | 116404   | 18.397 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.475  | 132  | 158104   | 19.013 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 84479    | 10.364 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.163  | 128  | 78397    | 20.652 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.881  | 143  | 80683    | 19.574 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.416 | 165  | 146050   | 18.755 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.969 | 131  | 145909   | 12.934 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.063 | 166  | 478348   | 20.354 | ng/u1  | -0.01    |
| 49) Acenaphthylene-d8         | 14.351 | 160  | 540925   | 20.012 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.892 | 143  | 42279    | 10.326 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.651 | 176  | 431631   | 21.333 | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.798 | 200  | 14757m   | 3.526  | ng/u1  | -0.02    |
| 73) Anthracene-d10            | 17.539 | 188  | 666920   | 20.254 | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.792 | 212  | 825702   | 22.944 | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.980 | 264  | 777156   | 20.460 | ng/u1  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 7.146  | 94   | 13162    | 1.248  | ng/u1  | 94       |
| 16) Acetophenone              | 8.816  | 105  | 58799    | 4.668  | ng/u1  | 96       |
| 69) Hexachlorobenzene         | 16.692 | 284  | 11017    | 1.273  | ng/u1  | 95       |
| 72) Phenanthrene              | 17.480 | 178  | 100880   | 2.594  | ng/u1  | 98       |
| 80) Fluoranthene              | 19.457 | 202  | 256320   | 6.107  | ng/u1  | 98       |
| 82) Pyrene                    | 19.822 | 202  | 249317   | 5.588  | ng/u1  | 99       |
| 85) Benzo(a)anthracene        | 21.551 | 228  | 202588   | 4.511  | ng/u1# | 94       |
| 87) Chrysene                  | 21.610 | 228  | 196883   | 4.658  | ng/u1# | 92       |
| 90) Benzo(b)fluoranthene      | 23.345 | 252  | 298820   | 6.425  | ng/u1# | 88       |
| 91) Benzo(k)fluoranthene      | 23.398 | 252  | 93218m   | 1.986  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.033 | 252  | 218378   | 4.907  | ng/u1# | 89       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.892 | 276  | 148856   | 2.669  | ng/u1  | 97       |
| 96) Benzo(g,h,i)perylene      | 27.745 | 276  | 136664   | 3.038  | ng/u1  | 96       |
| -----                         |        |      |          |        |        |          |

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

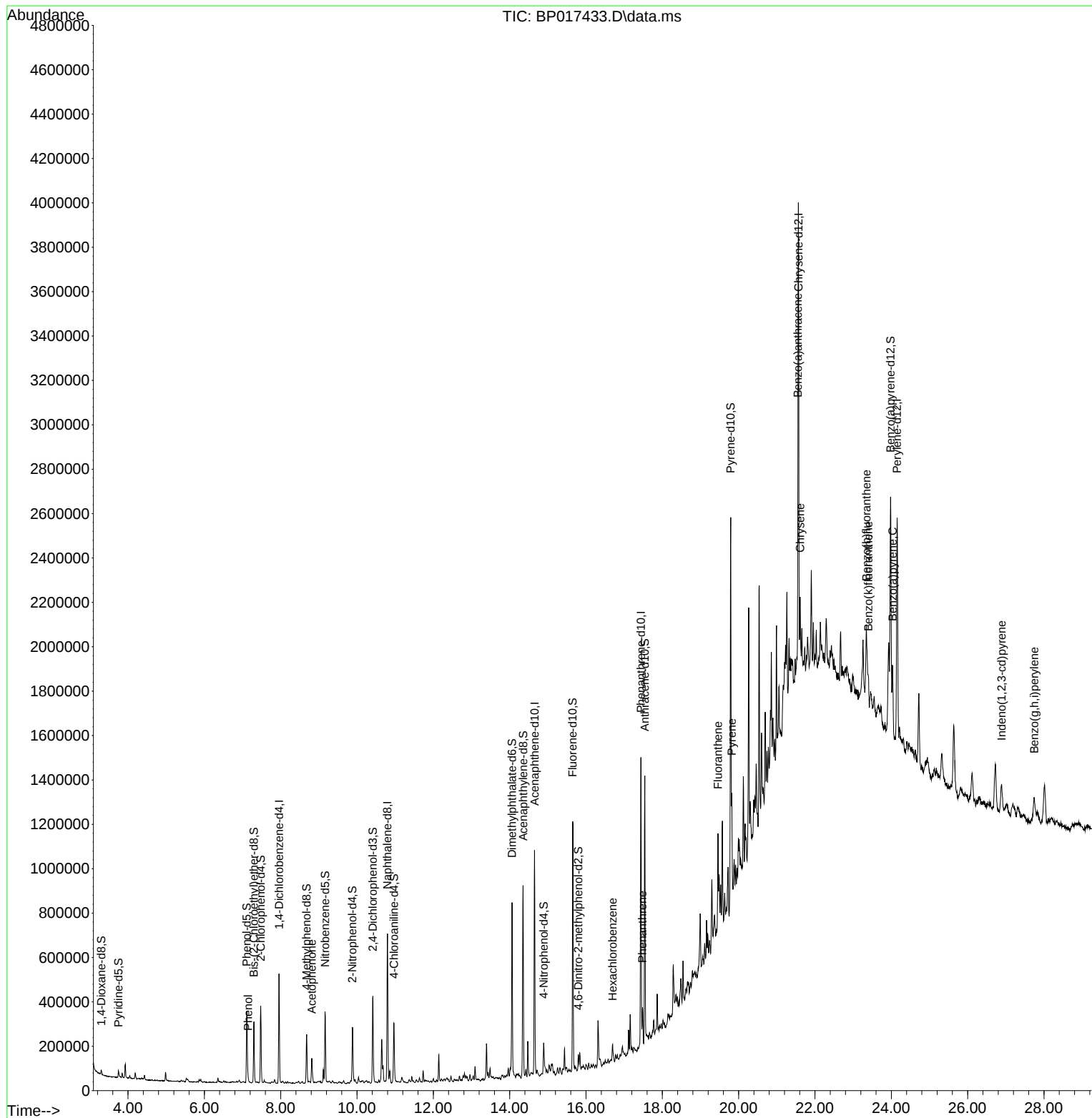
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP092823\  
Data File : BP017433.D  
Acq On : 29 Sep 2023 02:33  
Operator : MA/JU  
Sample : 04417-29  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

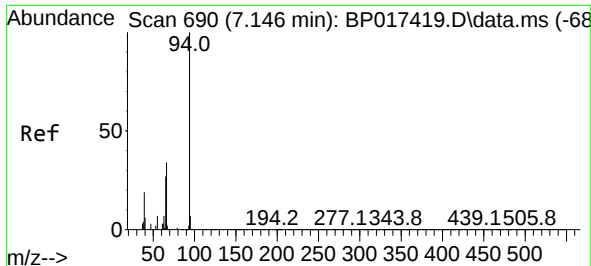
Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5

Quant Time: Sep 29 03:53:27 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP092023.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Sep 28 23:22:11 2023  
Response via : Initial Calibration

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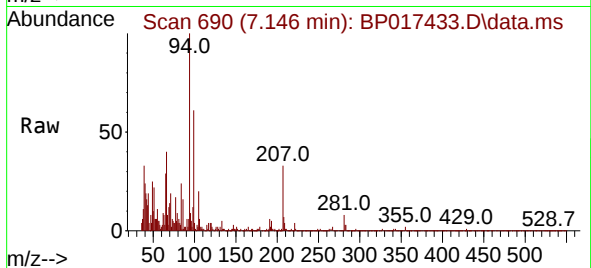
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023





#8  
Phenol  
Concen: 1.248 ng/ul  
RT: 7.146 min Scan# 690  
Delta R.T. -0.000 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

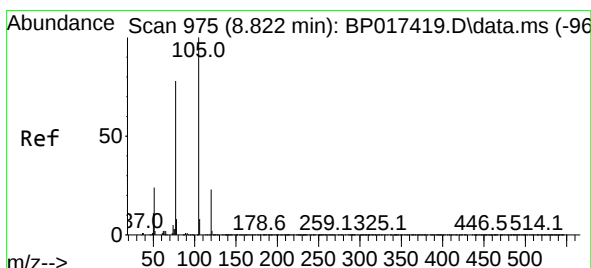
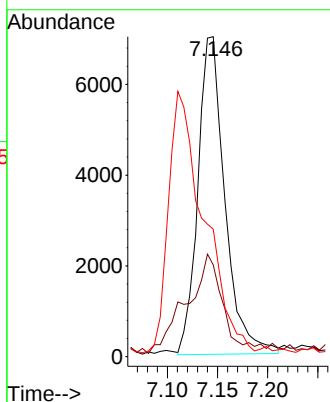
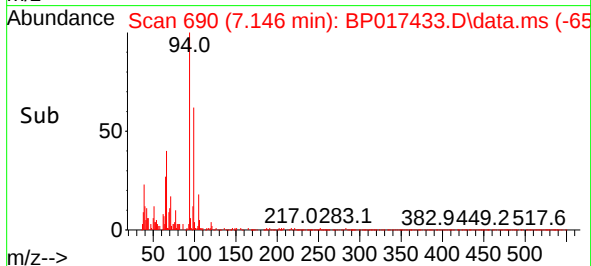
Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5



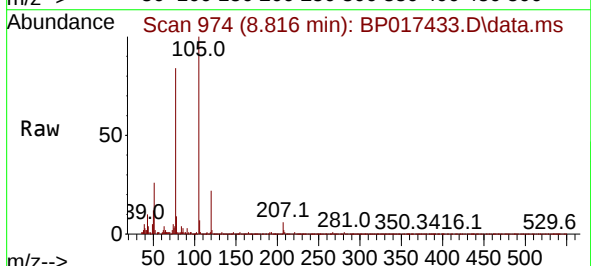
Tgt Ion: 94 Resp: 13162  
Ion Ratio Lower Upper  
94 100  
65 28.7 21.4 32.2  
66 39.9 28.2 42.2

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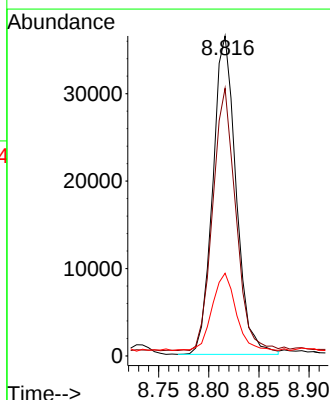
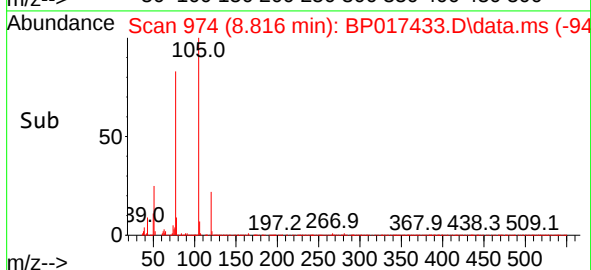
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023

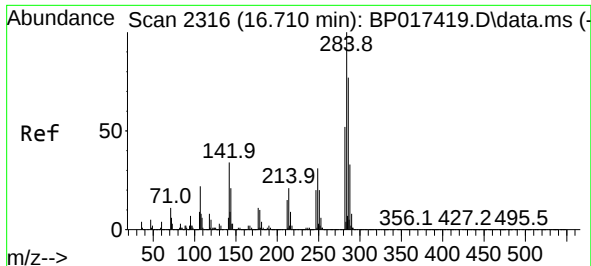


#16  
Acetophenone  
Concen: 4.668 ng/ul  
RT: 8.816 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33



Tgt Ion:105 Resp: 58799  
Ion Ratio Lower Upper  
105 100  
77 83.6 63.6 95.4  
51 25.9 19.2 28.8





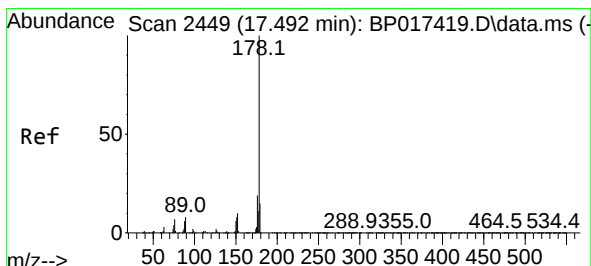
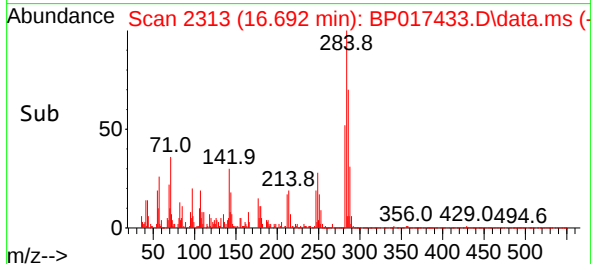
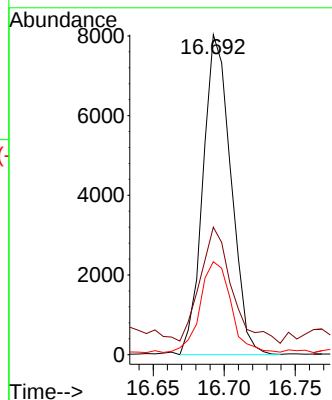
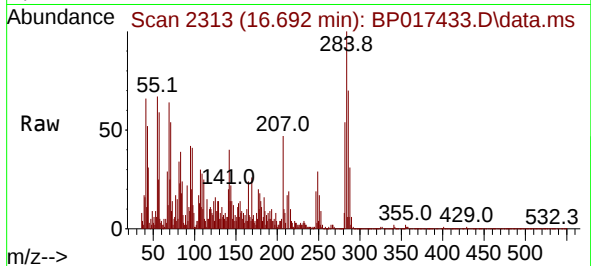
#69  
Hexachlorobenzene  
Concen: 1.273 ng/ul  
RT: 16.692 min Scan# 211  
Delta R.T. -0.018 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 284   | Resp: | 1101 |
| Ion Ratio | Lower | Upper |      |
| 284       | 100   |       |      |
| 142       | 37.8  | 29.5  | 44.3 |
| 249       | 27.5  | 25.7  | 38.5 |

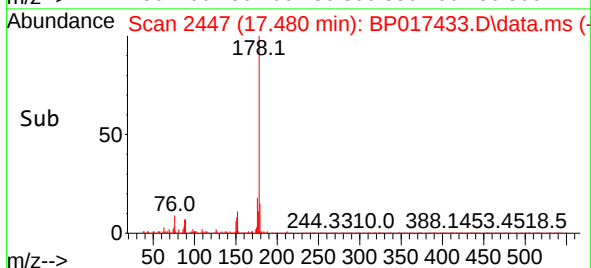
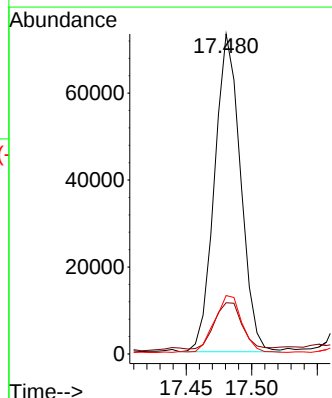
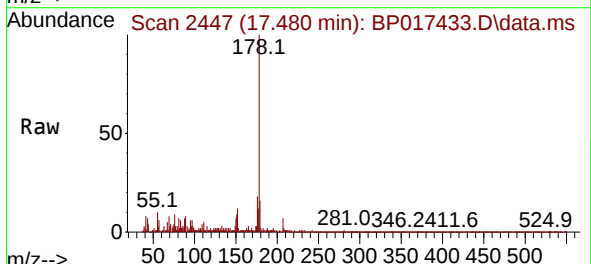
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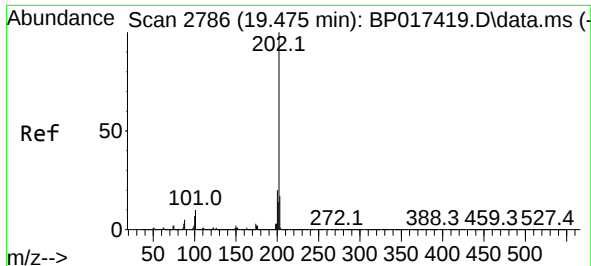
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023



#72  
Phenanthrene  
Concen: 2.594 ng/ul  
RT: 17.480 min Scan# 2447  
Delta R.T. -0.012 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 100880 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 16.0  | 12.7  | 19.1   |
| 176       | 18.3  | 15.8  | 23.6   |





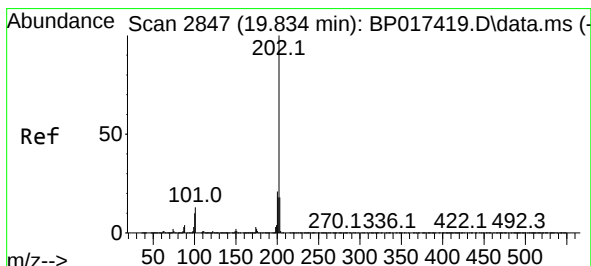
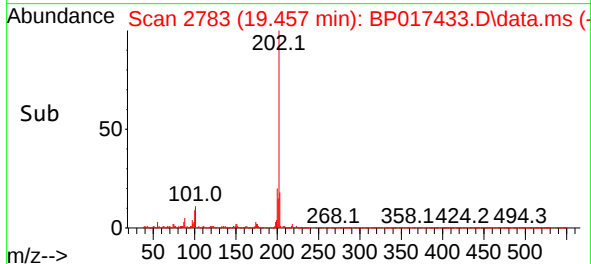
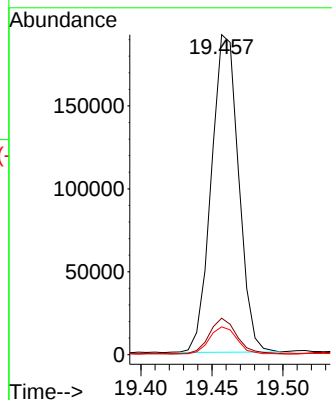
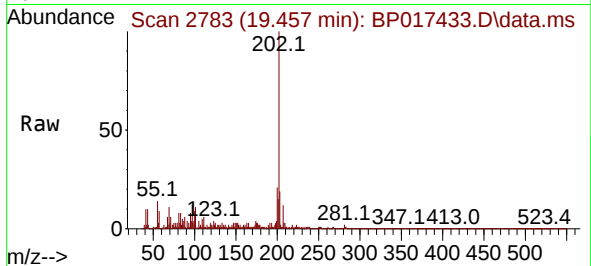
#80  
Fluoranthene  
Concen: 6.107 ng/u1  
RT: 19.457 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5

Tgt Ion:202 Resp: 256320  
Ion Ratio Lower Upper  
202 100  
101 11.4 8.4 12.6  
100 8.7 6.6 10.0

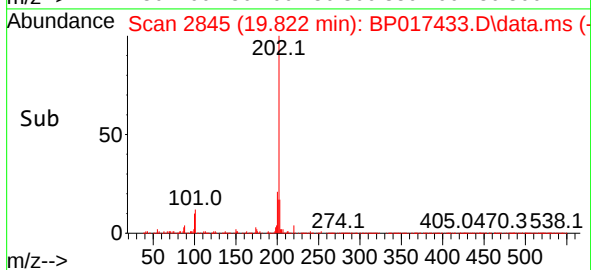
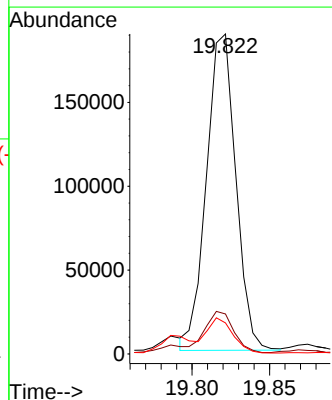
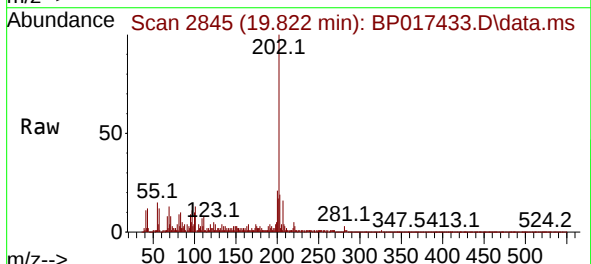
Manual Integrations  
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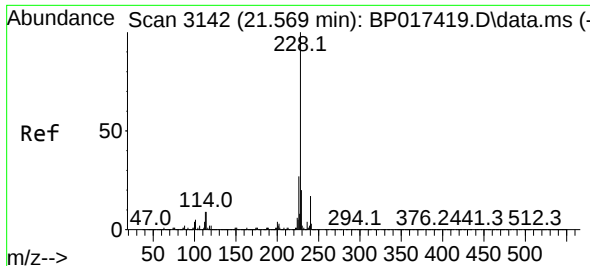
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023



#82  
Pyrene  
Concen: 5.588 ng/u1  
RT: 19.822 min Scan# 2845  
Delta R.T. -0.012 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

Tgt Ion:202 Resp: 249317  
Ion Ratio Lower Upper  
202 100  
101 12.5 9.8 14.8  
100 9.7 8.1 12.1





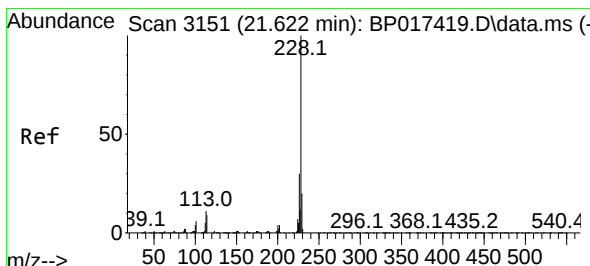
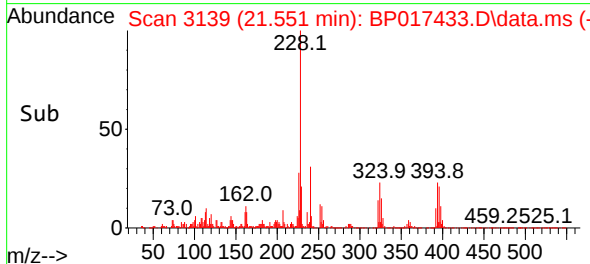
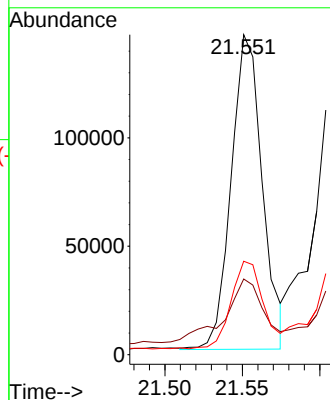
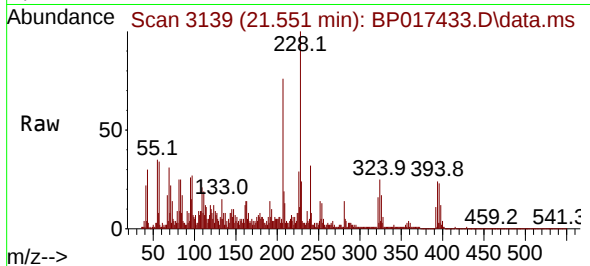
#85  
Benzo(a)anthracene  
Concen: 4.511 ng/u1  
RT: 21.551 min Scan# 3142  
Delta R.T. -0.018 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5

Tgt Ion:228 Resp: 202588  
Ion Ratio Lower Upper  
228 100  
229 23.7 15.8 23.6  
226 29.2 21.8 32.8

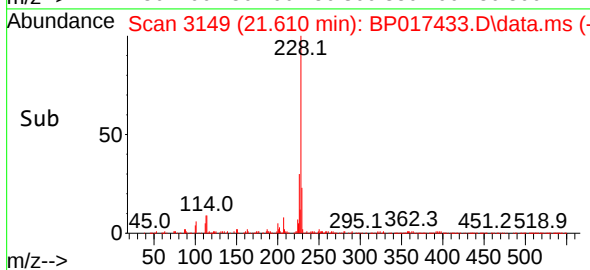
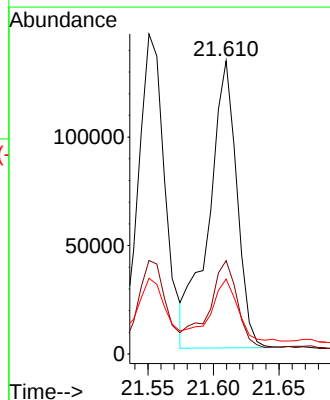
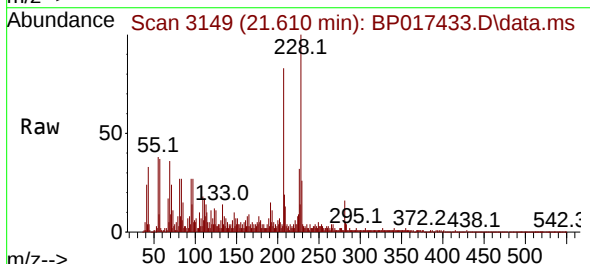
Manual Integrations  
APPROVED

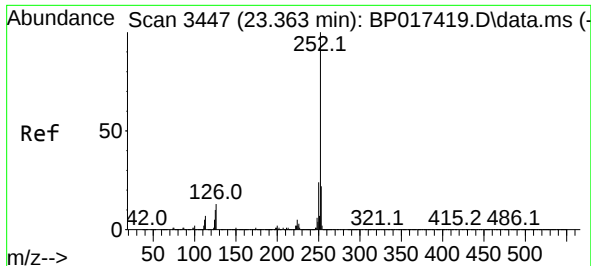
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023



#87  
Chrysene  
Concen: 4.658 ng/u1  
RT: 21.610 min Scan# 3149  
Delta R.T. -0.012 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

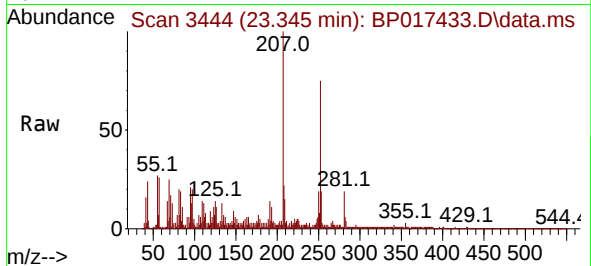
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Ion Ratio Lower Upper  
228 100  
226 31.8 24.1 36.1  
229 25.6 15.0 22.6





#90  
Benzo(b)fluoranthene  
Concen: 6.425 ng/ul  
RT: 23.345 min Scan# 3444  
Delta R.T. -0.018 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

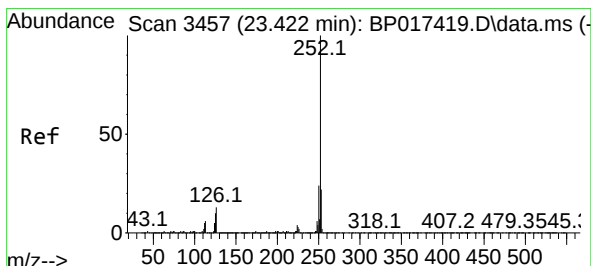
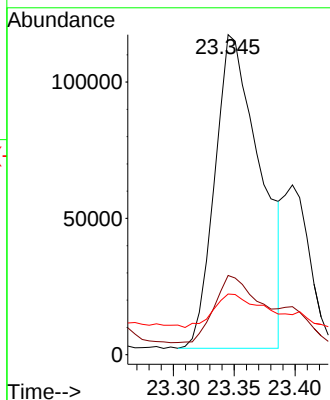
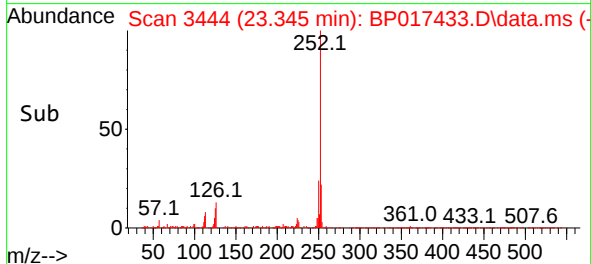
Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5



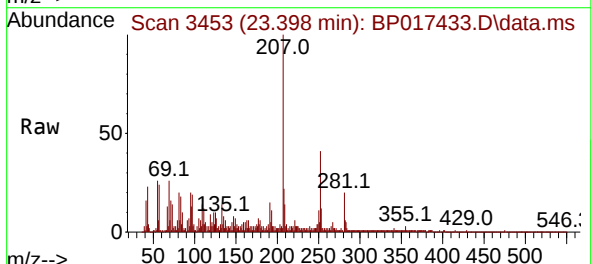
Tgt Ion:252 Resp: 298820  
Ion Ratio Lower Upper  
252 100  
253 24.7 17.4 26.0  
125 19.0 7.8 11.8

Manual Integrations  
APPROVED

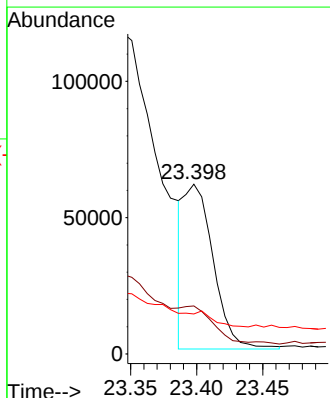
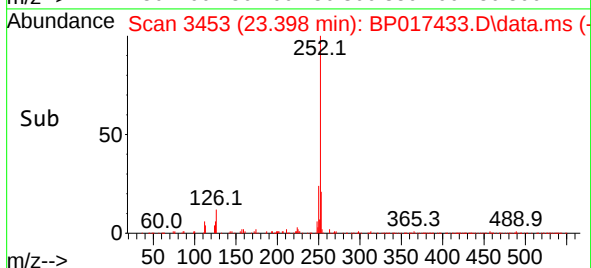
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023

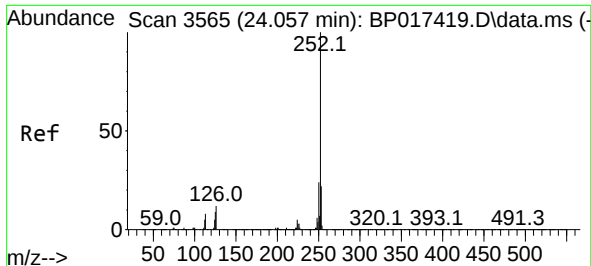


#91  
Benzo(k)fluoranthene  
Concen: 1.986 ng/ul m  
RT: 23.398 min Scan# 3453  
Delta R.T. -0.024 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33



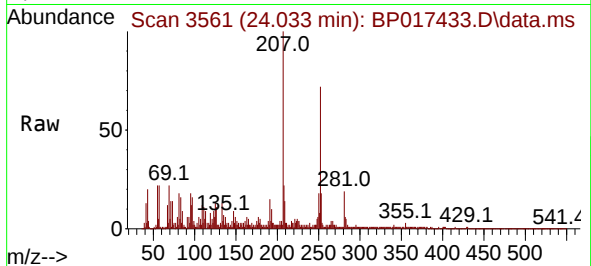
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Ion Ratio Lower Upper  
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253 28.3 17.9 26.9#  
125 23.5 7.8 11.6#





#93  
Benzo(a)pyrene  
Concen: 4.907 ng/ul  
RT: 24.033 min Scan# 3565  
Delta R.T. -0.024 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33

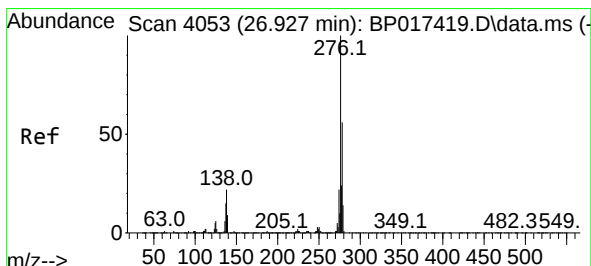
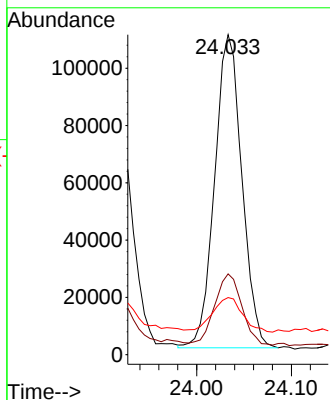
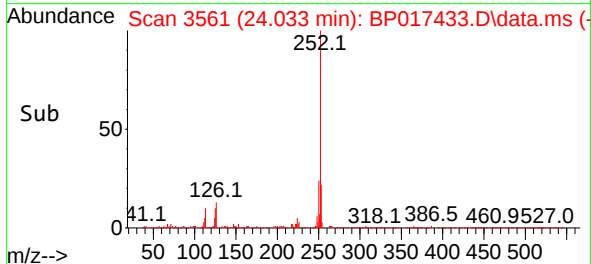
Instrument :  
BNA\_P  
ClientSampleId :  
EZYF5



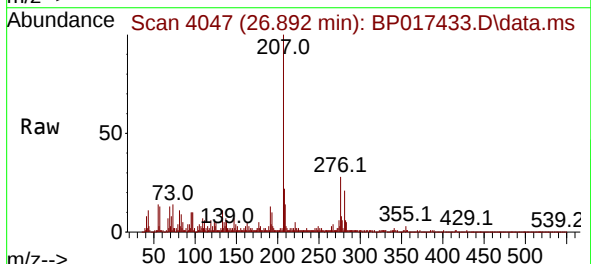
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253 25.2 17.4 26.0  
125 17.8 8.9 13.3

Manual Integrations  
APPROVED

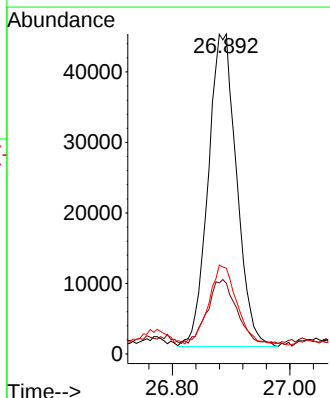
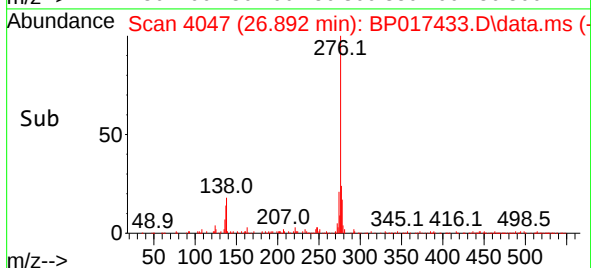
Reviewed By :Yogesh Patel 09/29/2023  
Supervised By :mohammad ahmed 10/02/2023

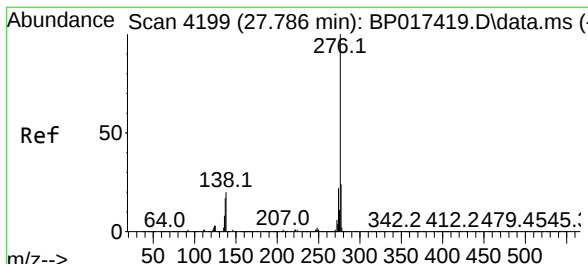


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 2.669 ng/ul  
RT: 26.892 min Scan# 4047  
Delta R.T. -0.036 min  
Lab File: BP017433.D  
Acq: 29 Sep 2023 02:33



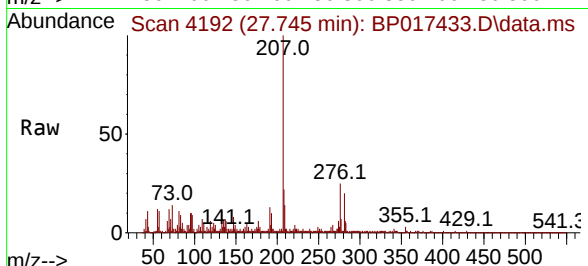
Tgt Ion:276 Resp: 148856  
Ion Ratio Lower Upper  
276 100  
138 22.1 17.9 26.9  
277 26.8 19.5 29.3





#96  
 Benzo(g,h,i)perylene  
 Concen: 3.038 ng/ul  
 RT: 27.745 min Scan# 4192  
 Delta R.T. -0.041 min  
 Lab File: BP017433.D  
 Acq: 29 Sep 2023 02:33

Instrument :  
 BNA\_P  
 ClientSampleId :  
 EZYF5



Tgt Ion: 276 Resp: 136664

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 22.4  | 17.3  | 25.9  |
| 277 | 26.4  | 18.8  | 28.2  |

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