

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
 Data File : BP022850.D  
 Acq On : 05 Nov 2024 07:10  
 Operator : RC/JU  
 Sample : P4568-18  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4EF2

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/06/2024  
 Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 05 07:38:26 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 30 10:56:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.628  | 152  | 107486   | 20.000 | ng/ul  | -0.01    |
| 20) Naphthalene-d8            | 10.375 | 136  | 417148   | 20.000 | ng/ul  | -0.02    |
| 38) Acenaphthene-d10          | 14.245 | 164  | 328104   | 20.000 | ng/ul  | -0.02    |
| 64) Phenanthrene-d10          | 17.045 | 188  | 766513   | 20.000 | ng/ul  | -0.02    |
| 79) Chrysene-d12              | 21.480 | 240  | 726279   | 20.000 | ng/ul  | #-0.02   |
| 88) Perylene-d12              | 24.721 | 264  | 884651   | 20.000 | ng/ul  | -0.03    |
|                               |        |      |          |        |        |          |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.181  | 96   | 6507     | 2.353  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 60254    | 7.935  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 6.828  | 99   | 148018   | 16.359 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.969  | 67   | 81147    | 15.259 | ng/ul  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.175  | 132  | 113548   | 17.686 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.334  | 113  | 102965   | 14.260 | ng/ul  | -0.01    |
| 21) Nitrobenzene-d5           | 8.763  | 128  | 55277    | 17.234 | ng/ul  | -0.02    |
| 24) 2-Nitrophenol-d4          | 9.481  | 143  | 65203    | 17.559 | ng/ul  | -0.02    |
| 28) 2,4-Dichlorophenol-d3     | 10.016 | 165  | 138831   | 17.590 | ng/ul  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.528 | 131  | 79020    | 8.473  | ng/ul  | -0.01    |
| 46) Dimethylphthalate-d6      | 13.645 | 166  | 452054   | 17.341 | ng/ul  | -0.02    |
| 49) Acenaphthylene-d8         | 13.928 | 160  | 478249   | 17.273 | ng/ul  | -0.02    |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 55723    | 12.742 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.257 | 176  | 409839   | 18.126 | ng/ul  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.416 | 200  | 36398m   | 7.220  | ng/ul  | 0.01     |
| 73) Anthracene-d10            | 17.157 | 188  | 631400   | 17.510 | ng/ul  | -0.01    |
| 81) Pyrene-d10                | 19.527 | 212  | 645419   | 16.805 | ng/ul  | -0.02    |
| 92) Benzo(a)pyrene-d12        | 24.498 | 264  | 599783   | 12.695 | ng/ul  | -0.02    |
|                               |        |      |          |        |        |          |
| Target Compounds              |        |      |          |        | Qvalue |          |
| 8) Phenol                     | 6.858  | 94   | 12861    | 1.366  | ng/ul  | 99       |
| 16) Acetophenone              | 8.440  | 105  | 74169    | 6.222  | ng/ul  | 94       |
| 72) Phenanthrene              | 17.092 | 178  | 308395   | 7.520  | ng/ul  | 98       |
| 74) Anthracene                | 17.198 | 178  | 51967    | 1.270  | ng/ul  | 98       |
| 80) Fluoranthene              | 19.180 | 202  | 597098   | 13.523 | ng/ul  | 97       |
| 82) Pyrene                    | 19.557 | 202  | 308239   | 6.513  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.463 | 228  | 239262   | 4.699  | ng/ul  | 98       |
| 87) Chrysene                  | 21.521 | 228  | 250983   | 5.316  | ng/ul  | 97       |
| 90) Benzo(b)fluoranthene      | 23.692 | 252  | 327007   | 5.872  | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.763 | 252  | 114762   | 2.105  | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 24.568 | 252  | 81990    | 1.600  | ng/ul# | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.415 | 276  | 88861m   | 1.299  | ng/ul  |          |
| -----                         |        |      |          |        |        |          |

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

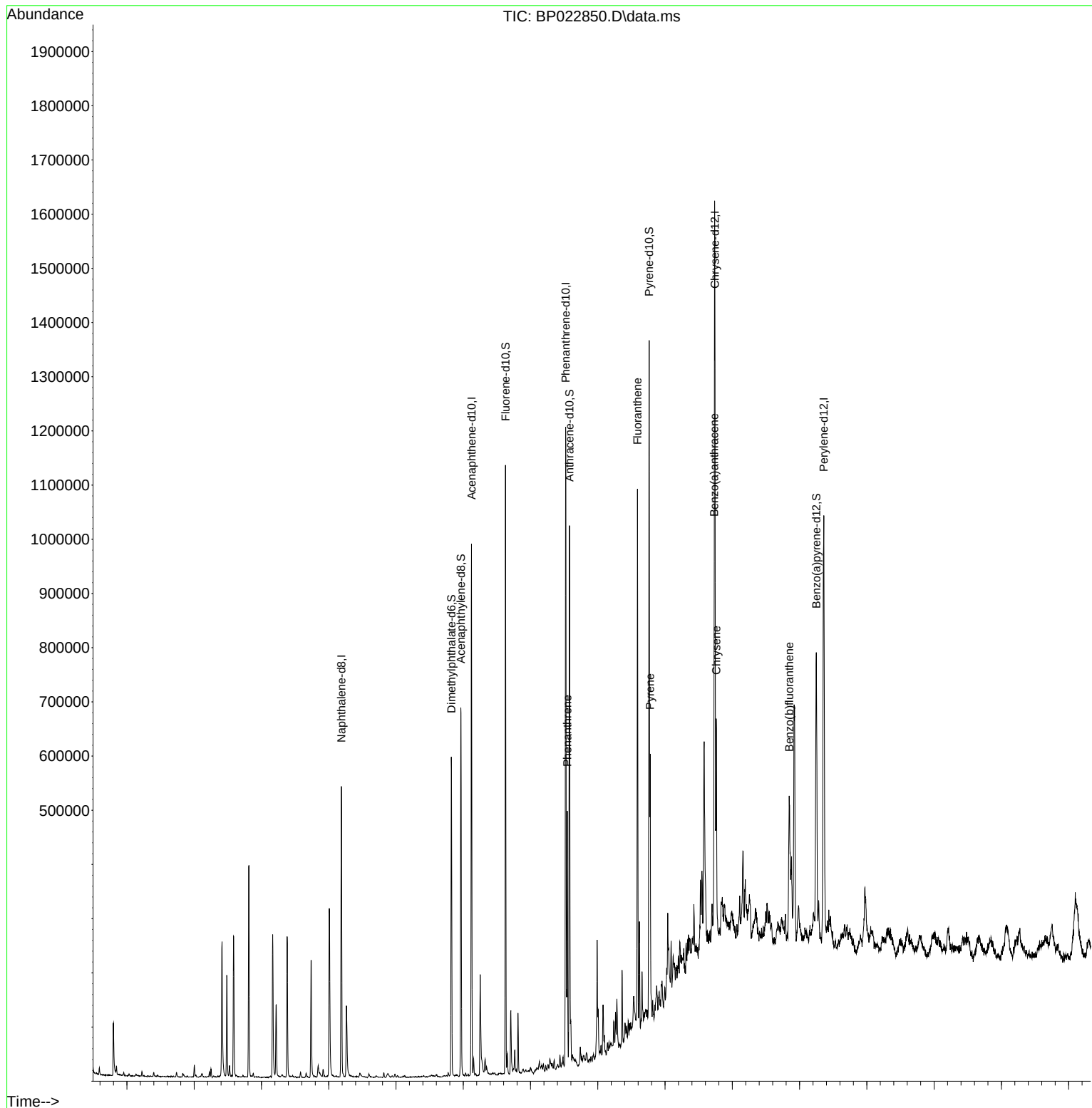
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
Data File : BP022850.D  
Acq On : 05 Nov 2024 07:10  
Operator : RC/JU  
Sample : P4568-18  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

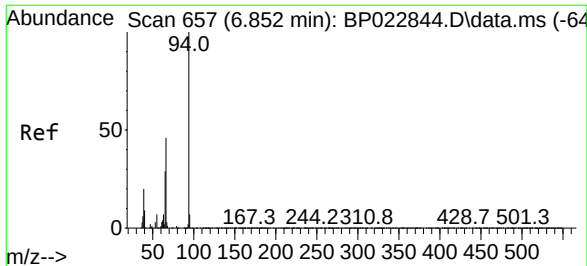
Instrument :  
BNA\_P  
ClientSampleId :  
A4EF2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024

Quant Time: Nov 05 07:38:26 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Oct 30 10:56:39 2024  
Response via : Initial Calibration





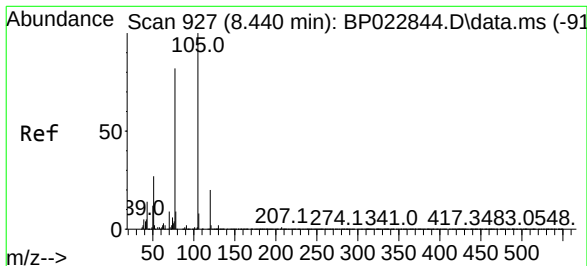
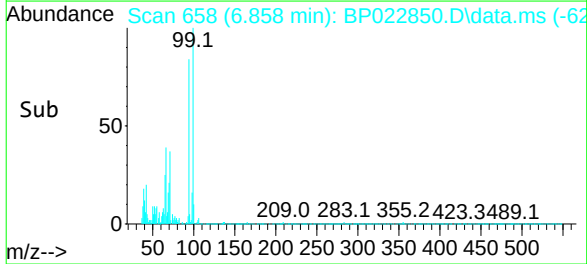
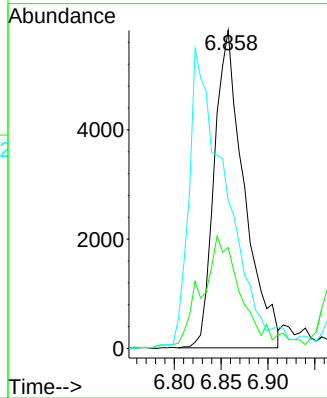
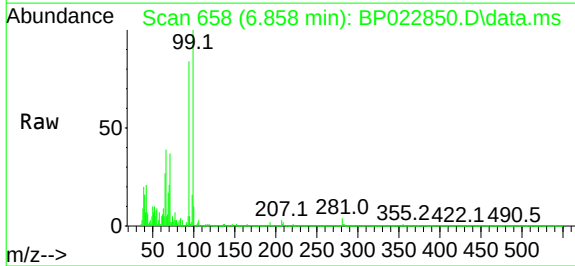
#8  
Phenol  
Concen: 1.366 ng/u1  
RT: 6.858 min Scan# 657  
Delta R.T. -0.000 min  
Lab File: BP022850.D  
Acq: 05 Nov 2024 07:10

Instrument :  
BNA\_P  
ClientSampleId :  
A4EF2

|     |         |             |
|-----|---------|-------------|
| Tgt | Ion: 94 | Resp: 12861 |
| Ion | Ratio   | Lower Upper |
| 94  | 100     |             |
| 65  | 31.8    | 25.9 38.9   |
| 66  | 46.6    | 37.6 56.4   |

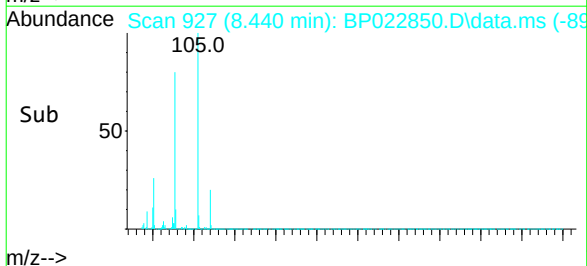
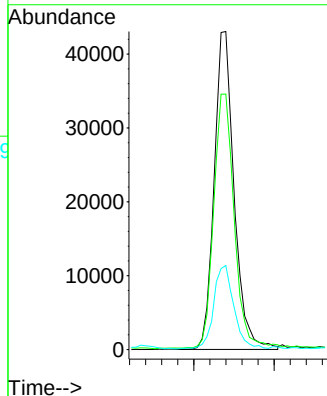
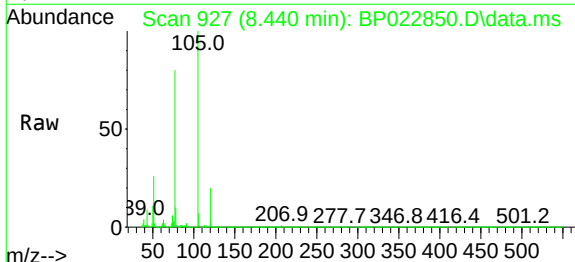
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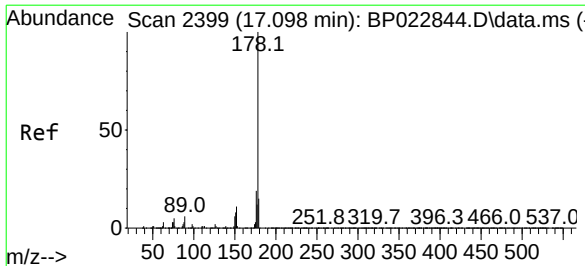
Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024



#16  
Acetophenone  
Concen: 6.222 ng/u1  
RT: 8.440 min Scan# 927  
Delta R.T. -0.012 min  
Lab File: BP022850.D  
Acq: 05 Nov 2024 07:10

|     |         |             |
|-----|---------|-------------|
| Tgt | Ion:105 | Resp: 74169 |
| Ion | Ratio   | Lower Upper |
| 105 | 100     |             |
| 77  | 80.3    | 69.0 103.4  |
| 51  | 26.4    | 22.6 33.8   |





#72

Phenanthrene

Concen: 7.520 ng/u1

RT: 17.092 min Scan# 2399

Delta R.T. -0.012 min

Lab File: BP022850.D

Acq: 05 Nov 2024 07:10

Instrument :

BNA\_P

ClientSampleId :

A4EF2

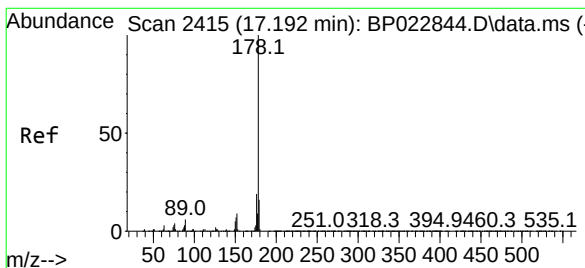
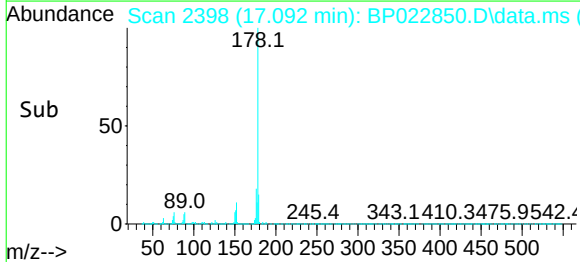
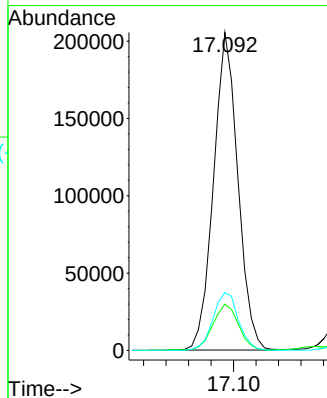
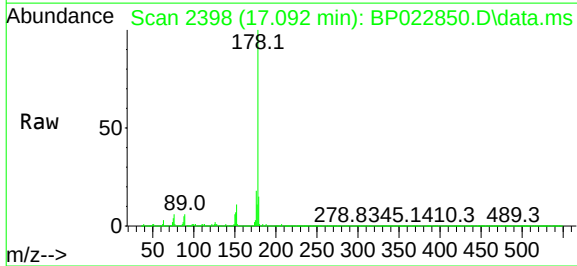
|             |              |
|-------------|--------------|
| Tgt Ion:178 | Resp: 308395 |
| Ion Ratio   | Lower Upper  |
| 178 100     |              |
| 179 14.6    | 12.2 18.4    |
| 176 18.2    | 15.7 23.5    |

Manual Integrations

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Supervised By :mohammad ahmed 11/08/2024



#74

Anthracene

Concen: 1.270 ng/u1

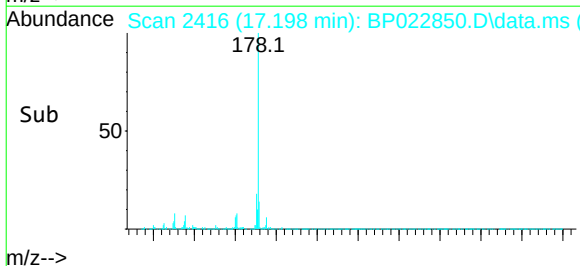
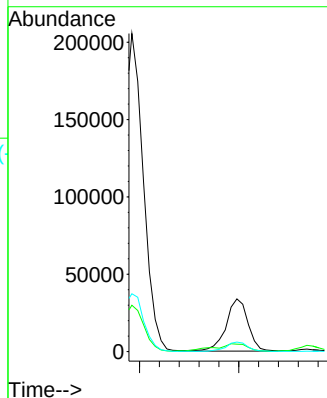
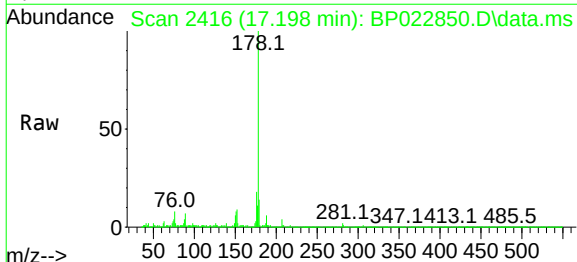
RT: 17.198 min Scan# 2416

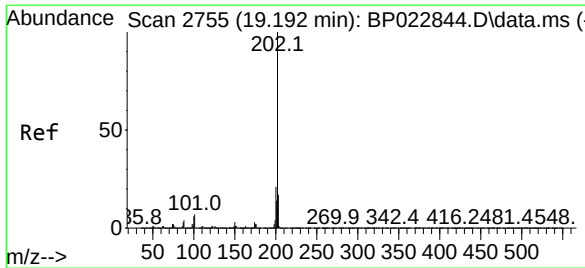
Delta R.T. -0.006 min

Lab File: BP022850.D

Acq: 05 Nov 2024 07:10

|             |             |
|-------------|-------------|
| Tgt Ion:178 | Resp: 51967 |
| Ion Ratio   | Lower Upper |
| 178 100     |             |
| 179 14.0    | 12.0 18.0   |
| 176 18.1    | 15.0 22.4   |





#80

Fluoranthene

Concen: 13.523 ng/u1

RT: 19.180 min Scan# 27

Delta R.T. -0.012 min

Lab File: BP022850.D

Acq: 05 Nov 2024 07:10

Instrument :

BNA\_P

ClientSampleId :

A4EF2

Tgt Ion:202 Resp: 597098

Ion Ratio Lower Upper

202 100

101 6.3 5.8 8.8

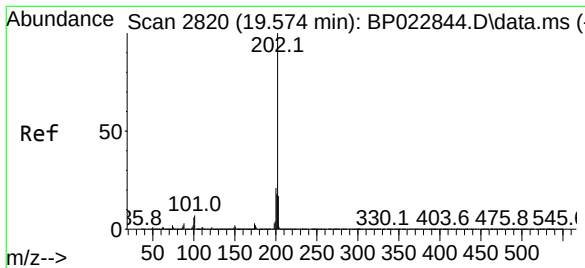
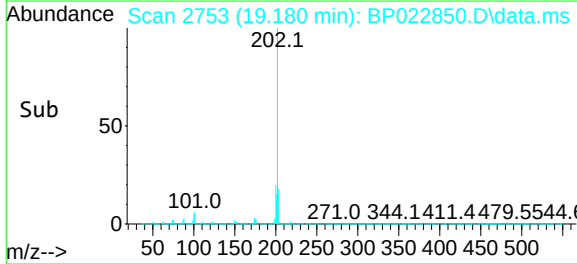
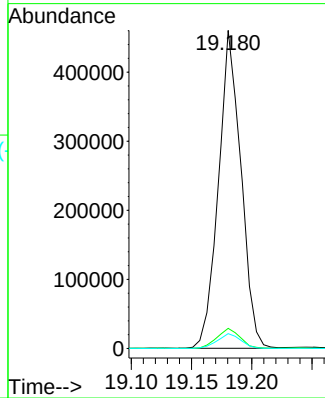
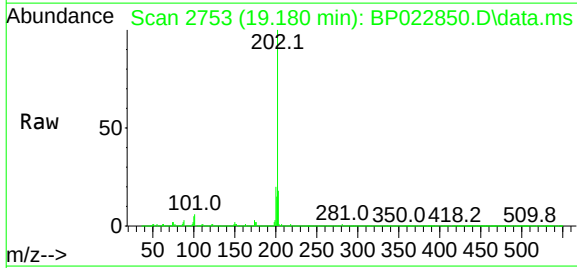
100 4.7 4.5 6.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/06/2024

Supervised By :mohammad ahmed 11/08/2024



#82

Pyrene

Concen: 6.513 ng/u1

RT: 19.557 min Scan# 2817

Delta R.T. -0.018 min

Lab File: BP022850.D

Acq: 05 Nov 2024 07:10

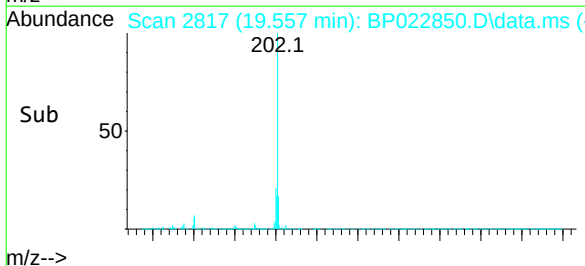
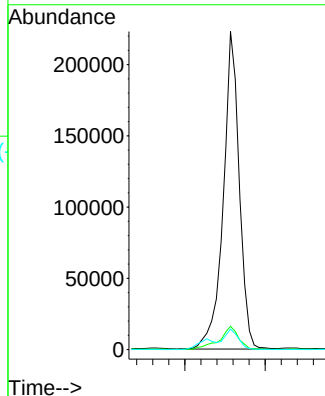
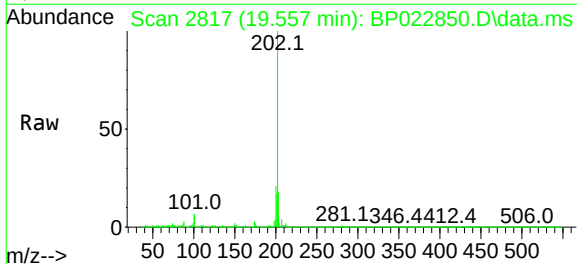
Tgt Ion:202 Resp: 308239

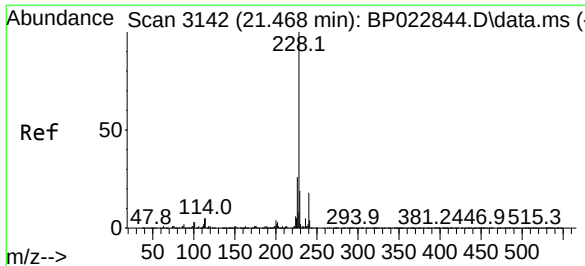
Ion Ratio Lower Upper

202 100

101 7.3 6.7 10.1

100 6.5 5.8 8.6





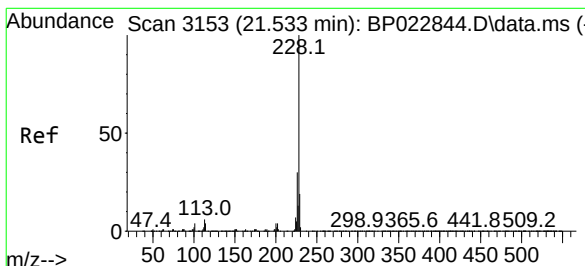
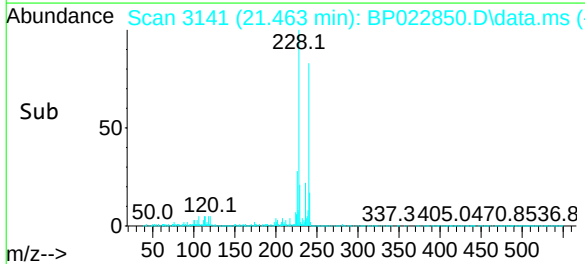
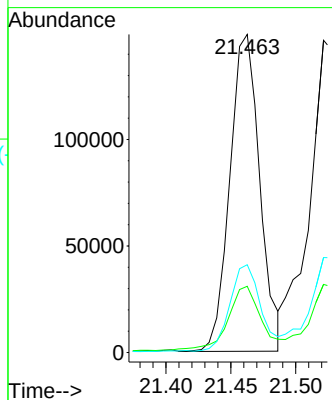
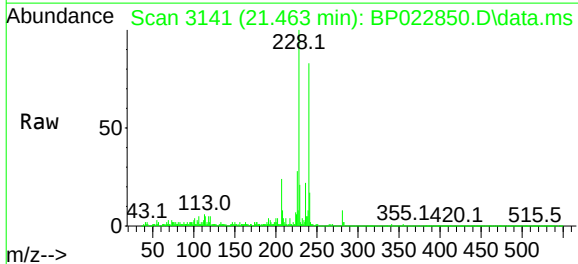
#85  
Benzo(a)anthracene  
Concen: 4.699 ng/u1  
RT: 21.463 min Scan# 3142  
Delta R.T. -0.012 min  
Lab File: BP022850.D  
Acq: 05 Nov 2024 07:10

Instrument :  
BNA\_P  
ClientSampleId :  
A4EF2

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:228 | Resp: | 239262 |
| Ion | Ratio   | Lower | Upper  |
| 228 | 100     |       |        |
| 229 | 20.8    | 15.4  | 23.0   |
| 226 | 27.6    | 21.5  | 32.3   |

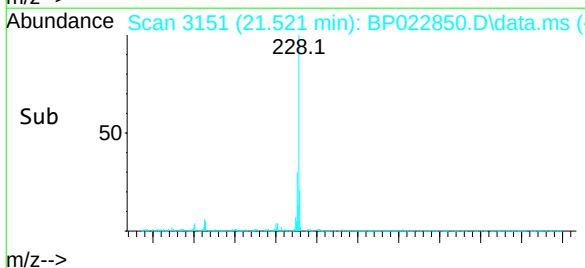
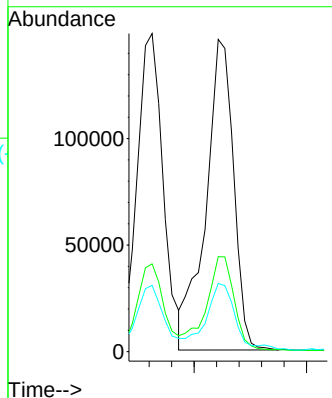
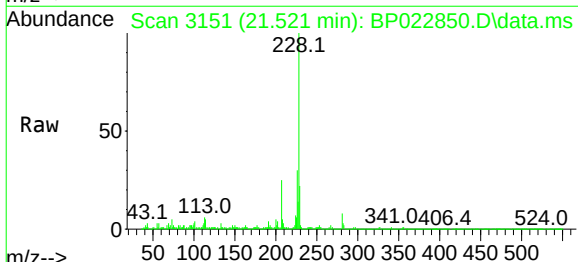
Manual Integrations  
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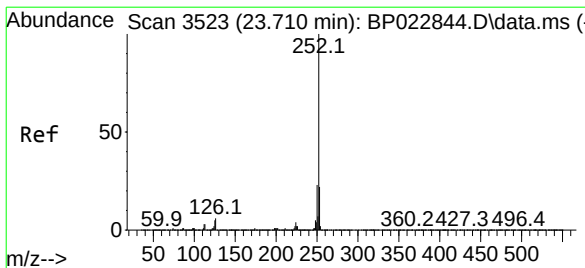
Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024



#87  
Chrysene  
Concen: 5.316 ng/u1  
RT: 21.521 min Scan# 3151  
Delta R.T. -0.029 min  
Lab File: BP022850.D  
Acq: 05 Nov 2024 07:10

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:228 | Resp: | 250983 |
| Ion | Ratio   | Lower | Upper  |
| 228 | 100     |       |        |
| 226 | 30.4    | 23.8  | 35.8   |
| 229 | 21.8    | 15.5  | 23.3   |





#90

Benzo(b)fluoranthene

Concen: 5.872 ng/u1

RT: 23.692 min Scan# 3520

Delta R.T. -0.029 min

Lab File: BP022850.D

Acq: 05 Nov 2024 07:10

Instrument :

BNA\_P

ClientSampleId :

A4EF2

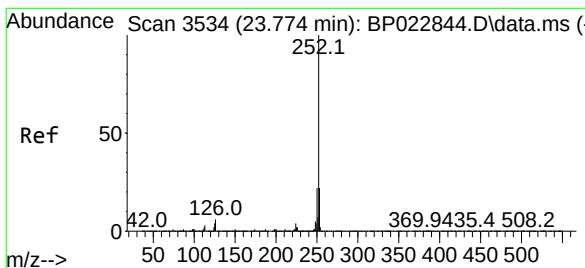
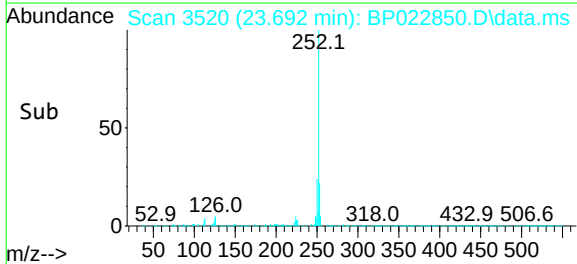
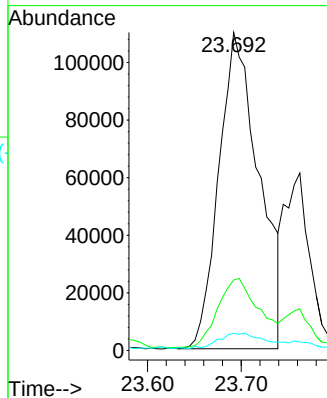
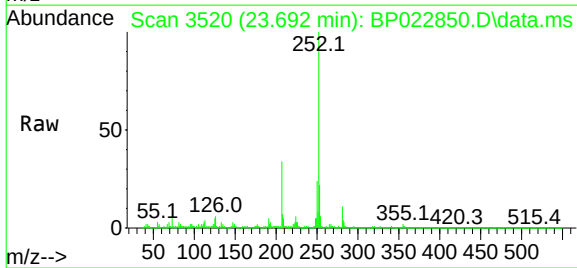
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 327007 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.1  | 17.8  | 26.8   |
| 125      | 5.4   | 5.0   | 7.4    |

Manual Integrations

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Supervised By :mohammad ahmed 11/08/2024



#91

Benzo(k)fluoranthene

Concen: 2.105 ng/u1

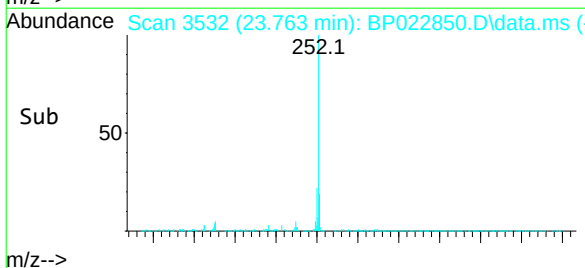
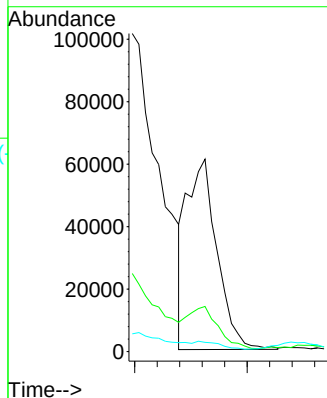
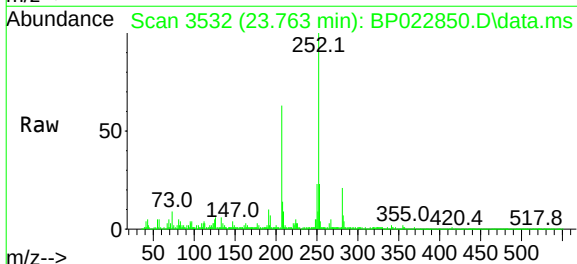
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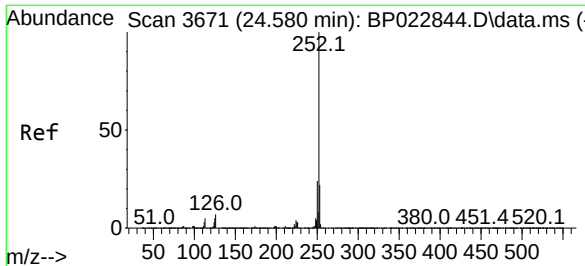
Delta R.T. -0.029 min

Lab File: BP022850.D

Acq: 05 Nov 2024 07:10

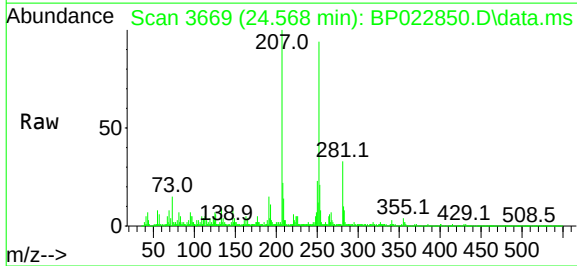
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 114762 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 23.5  | 17.4  | 26.0   |
| 125      | 4.8   | 4.6   | 6.8    |





#93  
Benzo(a)pyrene  
Concen: 1.600 ng/u1  
RT: 24.568 min Scan# 3671  
Delta R.T. -0.029 min  
Lab File: BP022850.D  
Acq: 05 Nov 2024 07:10

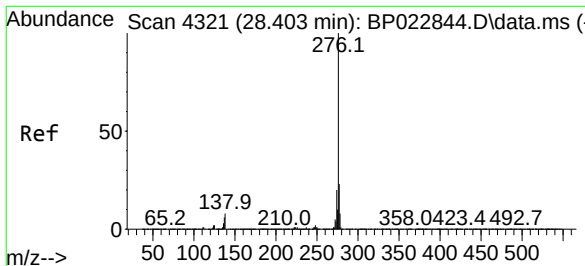
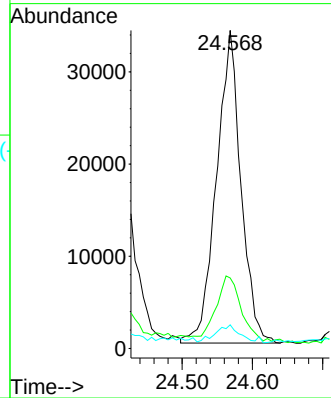
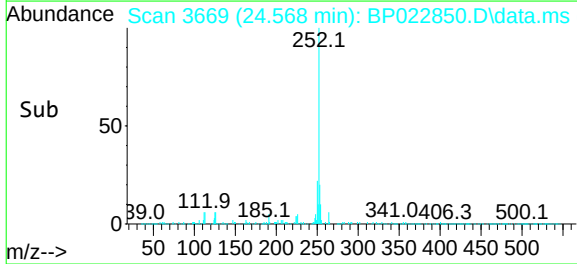
Instrument :  
BNA\_P  
ClientSampleId :  
A4EF2



Tgt Ion:252 Resp: 81990  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.7 26.5  
125 7.4 4.9 7.3#

Manual Integrations  
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Supervised By :mohammad ahmed 11/08/2024



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 1.299 ng/u1 m  
RT: 28.415 min Scan# 4323  
Delta R.T. -0.024 min  
Lab File: BP022850.D  
Acq: 05 Nov 2024 07:10

Tgt Ion:276 Resp: 88861  
Ion Ratio Lower Upper  
276 100  
138 10.1 9.1 13.7  
277 28.4 18.6 27.8#

