

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101624\  
 Data File : BP022435.D  
 Acq On : 17 Oct 2024 05:59  
 Operator : RC/JU  
 Sample : P4284-11  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4ET1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/18/2024  
 Supervised By :mohammad ahmed 10/18/2024

Quant Time: Oct 17 06:47:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 17 05:42:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.669  | 152  | 136380   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.428 | 136  | 529652   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.281 | 164  | 440703   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.087 | 188  | 1082507m | 20.000 | ng/u1  | 0.01     |
| 79) Chrysene-d12              | 21.504 | 240  | 1097240  | 20.000 | ng/u1  | -0.01    |
| 88) Perylene-d12              | 24.774 | 264  | 1322773  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 3628     | 1.034  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.628  | 84   | 13925m   | 1.445  | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 6.858  | 99   | 73861    | 6.434  | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.005  | 67   | 47716    | 7.072  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.211  | 132  | 62827    | 7.713  | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.375  | 113  | 22170    | 2.420  | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.810  | 128  | 31469    | 7.727  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.522  | 143  | 37784    | 8.014  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.063 | 165  | 74096    | 7.394  | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.575 | 131  | 8716m    | 0.736  | ng/u1  | 0.02     |
| 46) Dimethylphthalate-d6      | 13.687 | 166  | 280804   | 8.020  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 13.969 | 160  | 286374   | 7.700  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.504 | 143  | 27832m   | 4.738  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.287 | 176  | 254708   | 8.387  | ng/u1  | 0.01     |
| 65) 4,6-Dinitro-2-methylph... | 15.422 | 200  | 32751m   | 4.600  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.175 | 188  | 397005   | 7.796  | ng/u1  | -0.01    |
| 81) Pyrene-d10                | 19.563 | 212  | 385066   | 6.636  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.545 | 264  | 281674   | 3.987  | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 16) Acetophenone              | 8.475  | 105  | 23834    | 1.576  | ng/u1  | 93       |
| 30) Naphthalene               | 10.475 | 128  | 48108    | 1.705  | ng/u1  | 98       |
| 52) Acenaphthene              | 14.340 | 153  | 103084   | 3.777  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.687 | 168  | 71148    | 1.735  | ng/u1  | 96       |
| 61) Fluorene                  | 15.345 | 166  | 115632   | 3.462  | ng/u1  | 98       |
| 72) Phenanthrene              | 17.128 | 178  | 1807780m | 31.214 | ng/u1  |          |
| 74) Anthracene                | 17.210 | 178  | 380444   | 6.583  | ng/u1  | 99       |
| 77) Carbazole                 | 17.504 | 167  | 139453   | 2.727  | ng/u1  | 99       |
| 80) Fluoranthene              | 19.222 | 202  | 2529146  | 37.915 | ng/u1  | 97       |
| 82) Pyrene                    | 19.592 | 202  | 1358089  | 18.996 | ng/u1  | 98       |
| 85) Benzo(a)anthracene        | 21.486 | 228  | 961526   | 12.500 | ng/u1  | 98       |
| 87) Chrysene                  | 21.551 | 228  | 880307   | 12.343 | ng/u1  | 97       |
| 90) Benzo(b)fluoranthene      | 23.745 | 252  | 1168169  | 14.030 | ng/u1# | 99       |
| 91) Benzo(k)fluoranthene      | 23.798 | 252  | 431648m  | 5.295  | ng/u1  |          |
| 93) Benzo(a)pyrene            | 24.621 | 252  | 320670   | 4.185  | ng/u1  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.480 | 276  | 347329m  | 3.396  | ng/u1  |          |
| 95) Dibenzo(a,h)anthracene    | 28.533 | 278  | 145063   | 1.752  | ng/u1# | 92       |
| -----                         |        |      |          |        |        |          |

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

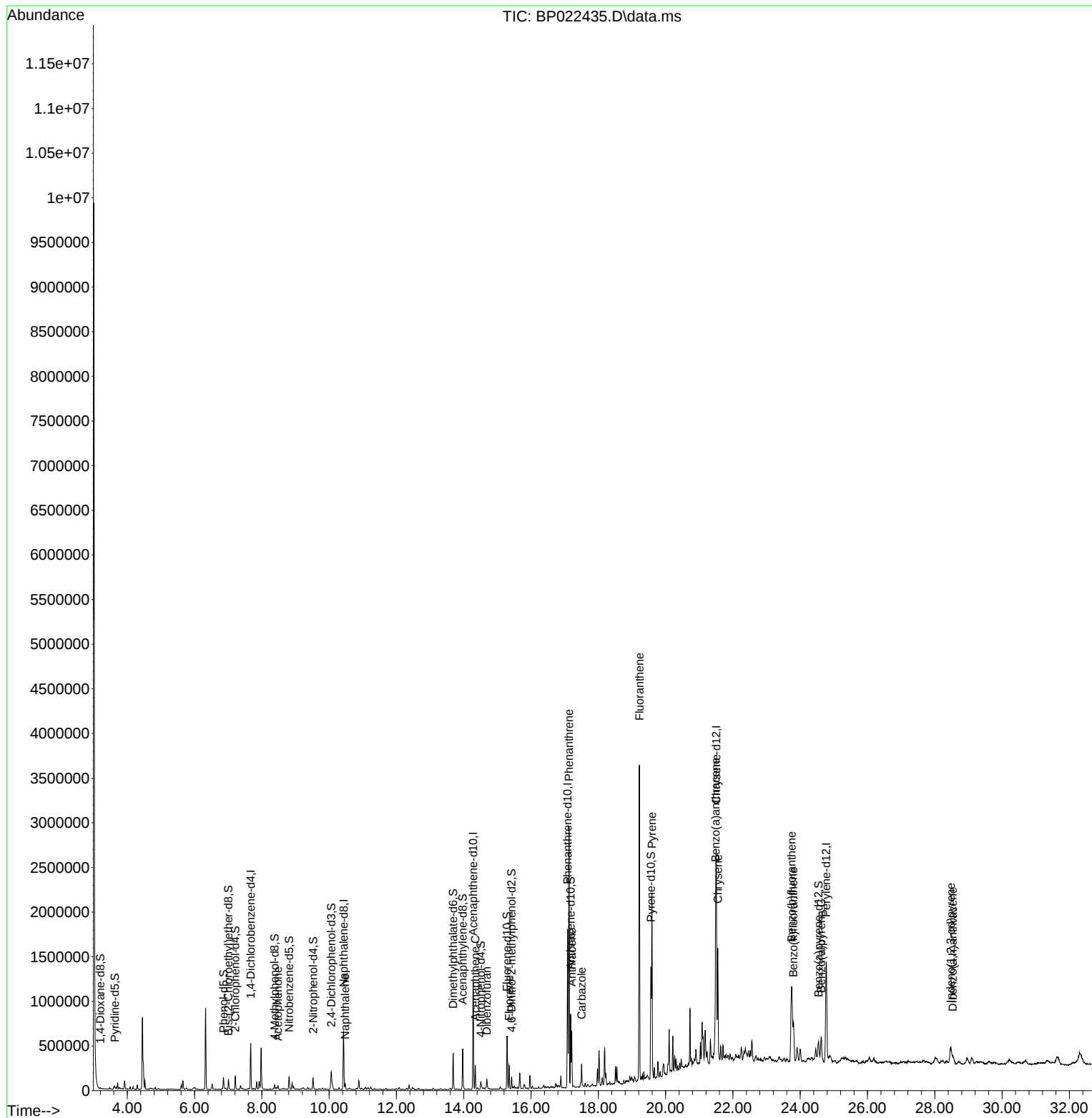
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101624\  
Data File : BP022435.D  
Acq On : 17 Oct 2024 05:59  
Operator : RC/JU  
Sample : P4284-11  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

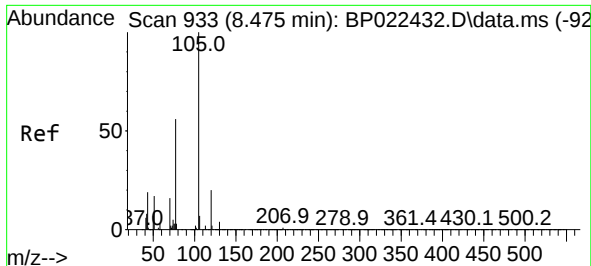
Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024

Quant Time: Oct 17 06:47:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 17 05:42:26 2024  
Response via : Initial Calibration





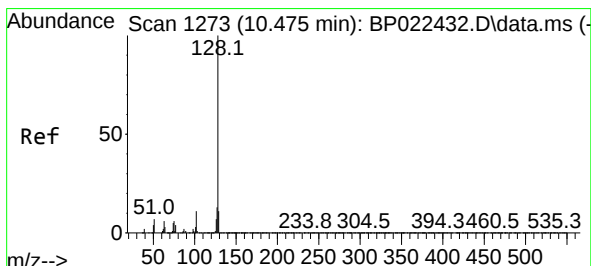
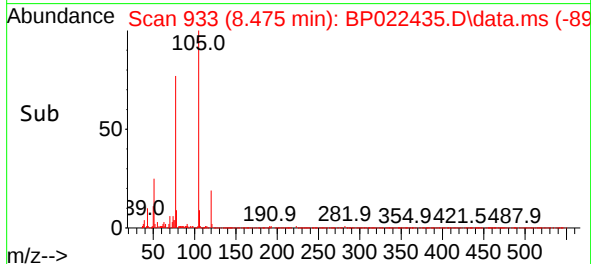
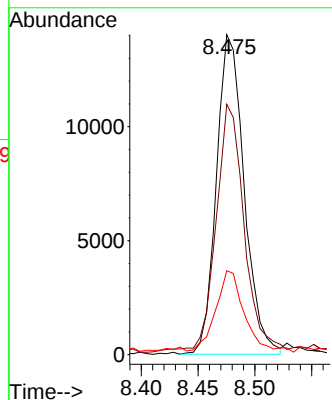
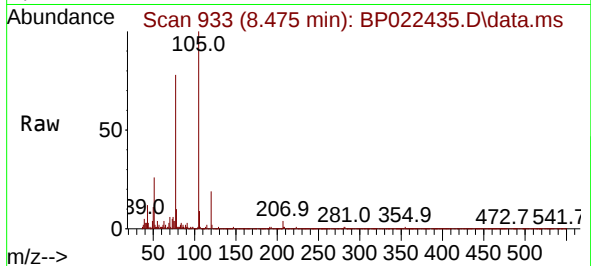
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Acetophenone  
Concen: 1.576 ng/ul  
RT: 8.475 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 77      | 78.3  | 69.0  | 103.4 |
| 51      | 26.2  | 22.6  | 33.8  |

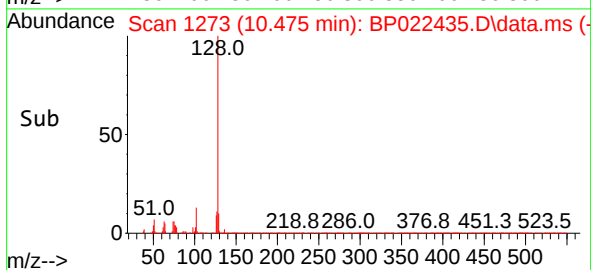
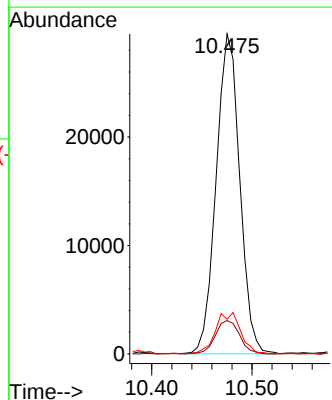
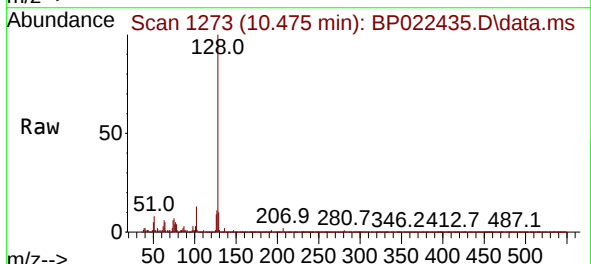
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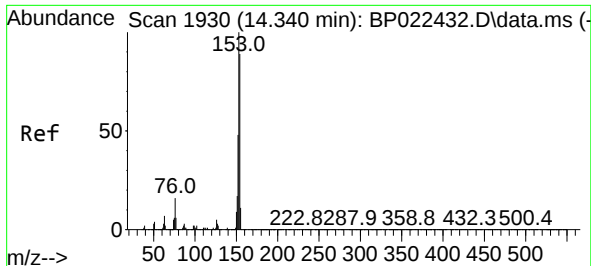
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024



#30  
Naphthalene  
Concen: 1.705 ng/ul  
RT: 10.475 min Scan# 1273  
Delta R.T. 0.000 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

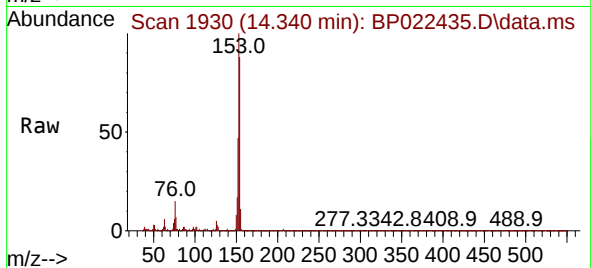
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.5  | 8.6   | 12.8  |
| 127     | 10.9  | 9.9   | 14.9  |





#52  
Acenaphthene  
Concen: 3.777 ng/ul  
RT: 14.340 min Scan# 1930  
Delta R.T. 0.000 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

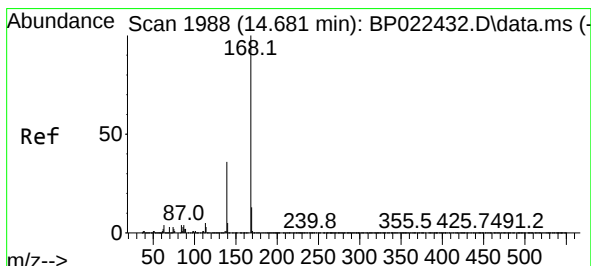
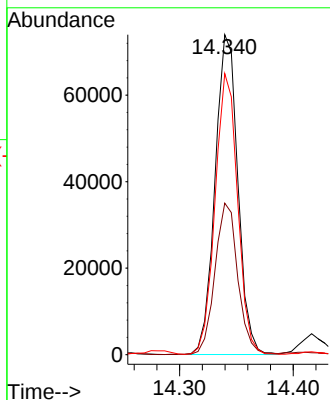
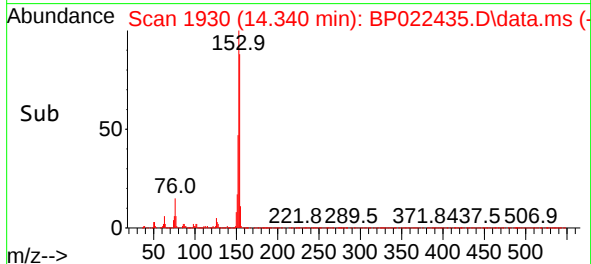
Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1



Tgt Ion:153 Resp: 103084  
Ion Ratio Lower Upper  
153 100  
152 47.3 37.8 56.6  
154 87.8 69.5 104.3

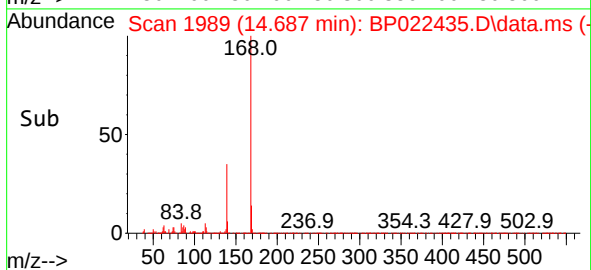
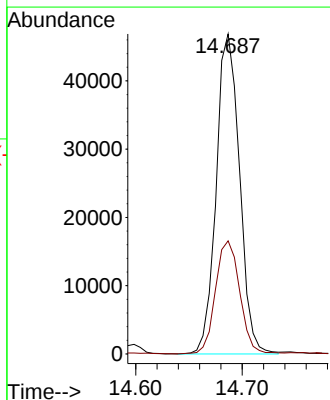
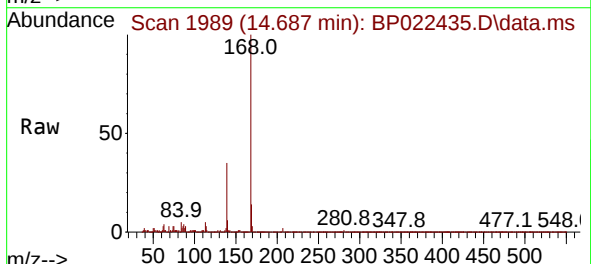
Manual Integrations  
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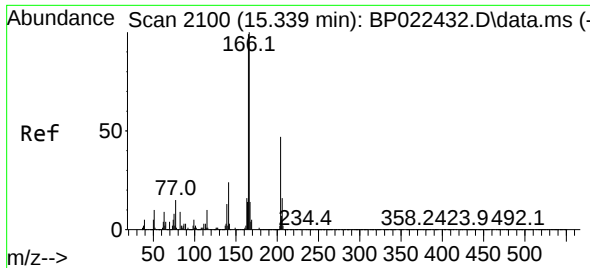
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024



#56  
Dibenzofuran  
Concen: 1.735 ng/ul  
RT: 14.687 min Scan# 1989  
Delta R.T. 0.006 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

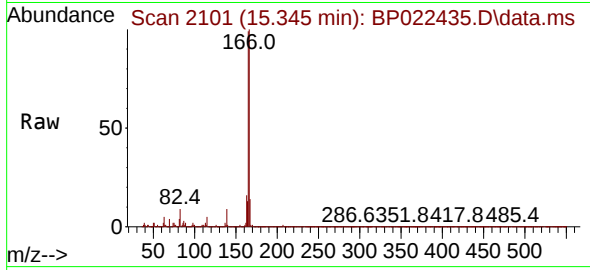
Tgt Ion:168 Resp: 71148  
Ion Ratio Lower Upper  
168 100  
139 35.3 30.2 45.2





#61  
Fluorene  
Concen: 3.462 ng/ul  
RT: 15.345 min Scan# 2100  
Delta R.T. 0.006 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

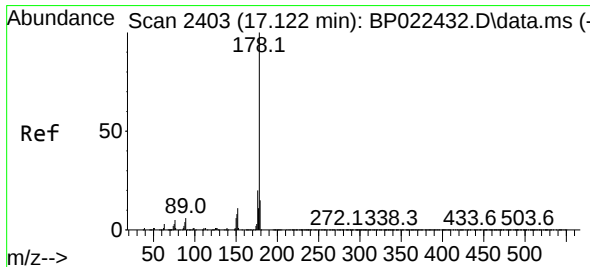
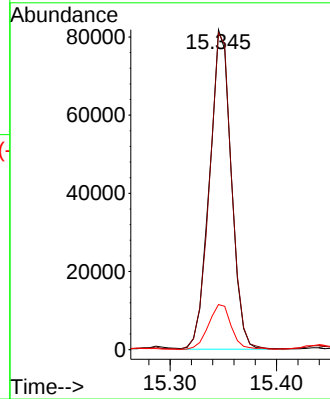
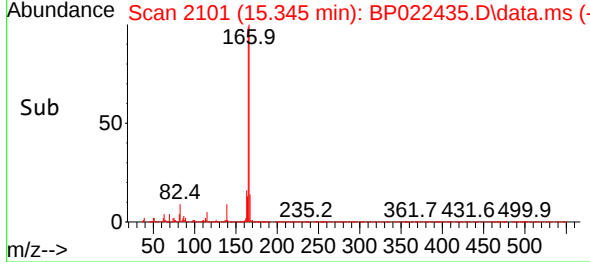
Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1



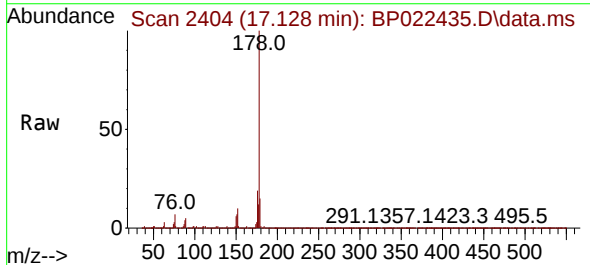
Tgt Ion:166 Resp: 115632  
Ion Ratio Lower Upper  
166 100  
165 99.0 77.8 116.6  
167 14.1 11.1 16.7

Manual Integrations  
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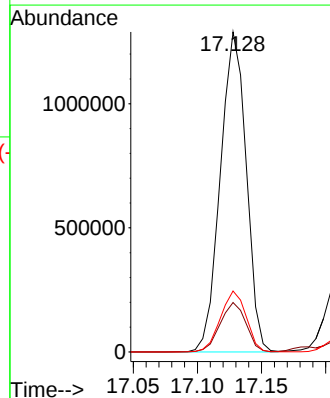
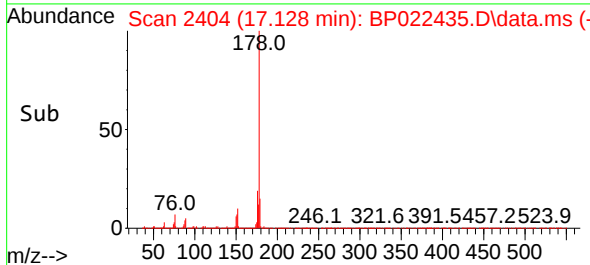
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024

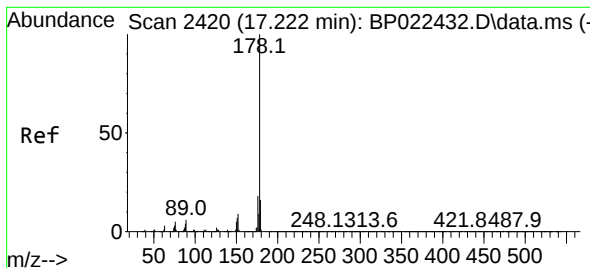


#72  
Phenanthrene  
Concen: 31.214 ng/ul m  
RT: 17.128 min Scan# 2404  
Delta R.T. 0.006 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59



Tgt Ion:178 Resp: 1807780  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.2 18.4  
176 19.1 15.7 23.5





#74

Anthracene

Concen: 6.583 ng/ul

RT: 17.210 min Scan# 2418

Delta R.T. -0.012 min

Lab File: BP022435.D

Acq: 17 Oct 2024 05:59

Instrument :

BNA\_P

ClientSampleId :

A4ET1

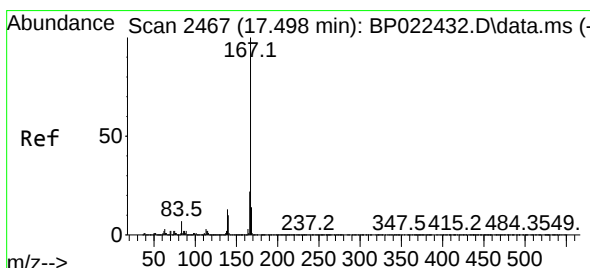
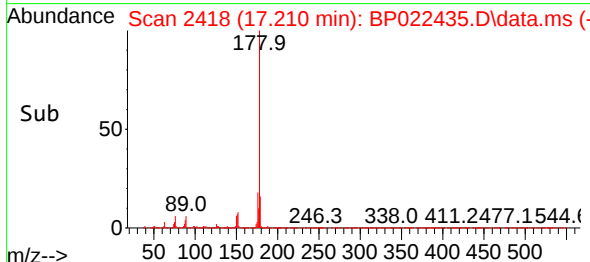
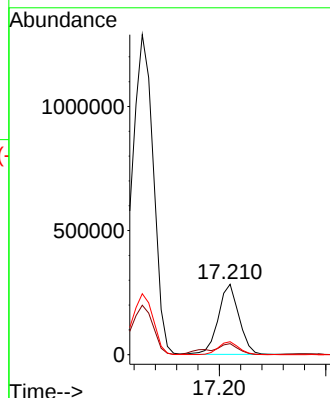
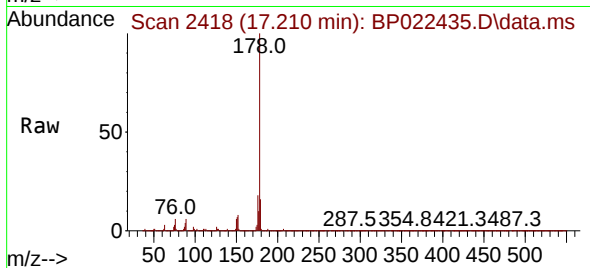
|             |             |
|-------------|-------------|
| Tgt Ion:178 | Resp: 38044 |
| Ion Ratio   | Lower Upper |
| 178 100     |             |
| 179 15.6    | 12.0 18.0   |
| 176 18.4    | 15.0 22.4   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2024

Supervised By :mohammad ahmed 10/18/2024



#77

Carbazole

Concen: 2.727 ng/ul

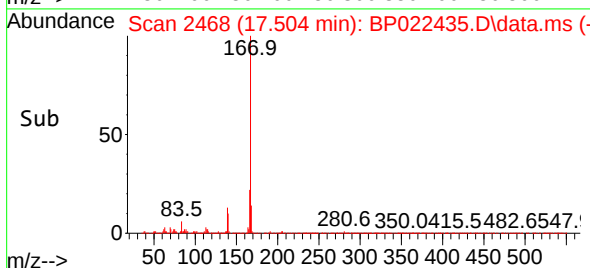
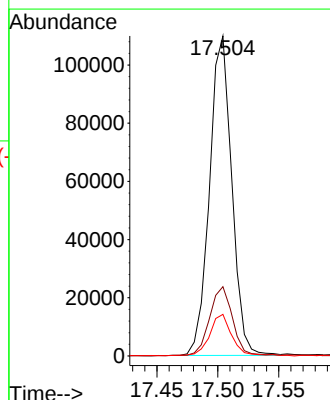
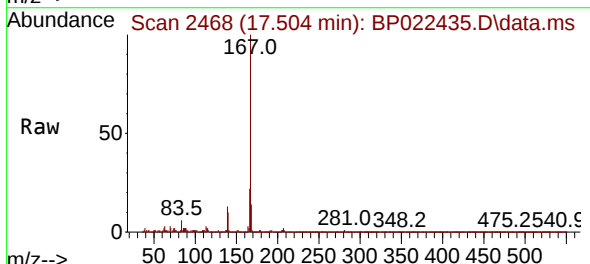
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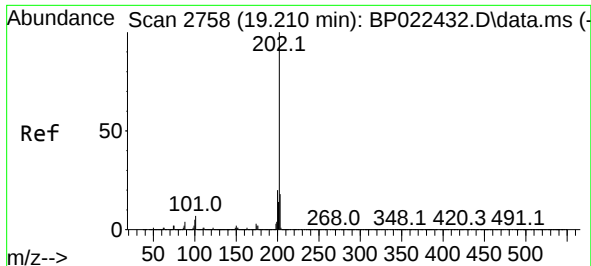
Delta R.T. 0.006 min

Lab File: BP022435.D

Acq: 17 Oct 2024 05:59

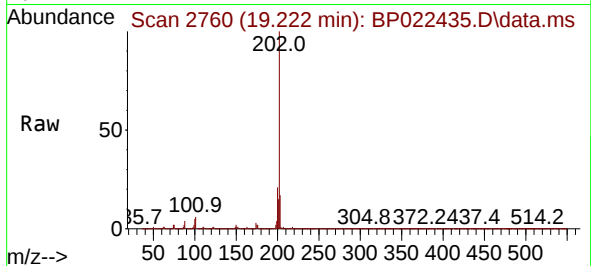
|             |              |
|-------------|--------------|
| Tgt Ion:167 | Resp: 139453 |
| Ion Ratio   | Lower Upper  |
| 167 100     |              |
| 166 21.6    | 17.0 25.6    |
| 139 13.0    | 10.3 15.5    |





#80  
Fluoranthene  
Concen: 37.915 ng/u1  
RT: 19.222 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

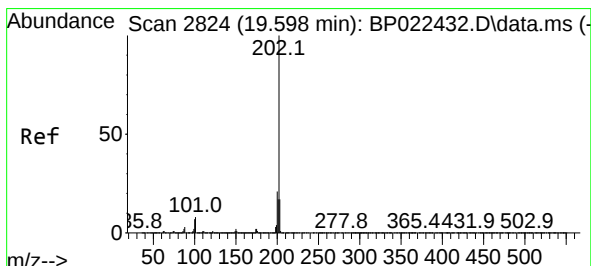
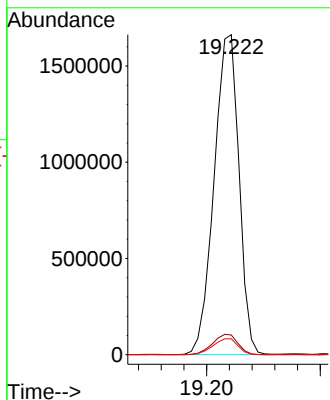
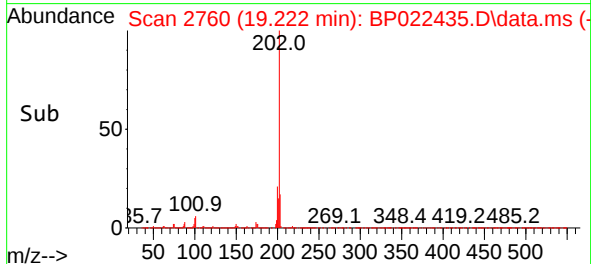
Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1



Tgt Ion:202 Resp: 252914  
Ion Ratio Lower Upper  
202 100  
101 6.1 5.8 8.8  
100 4.9 4.5 6.7

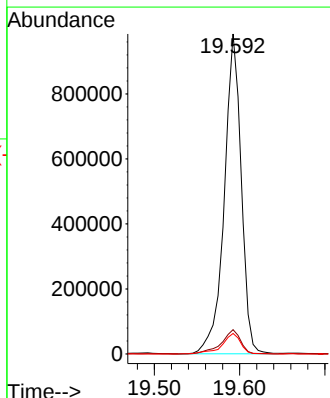
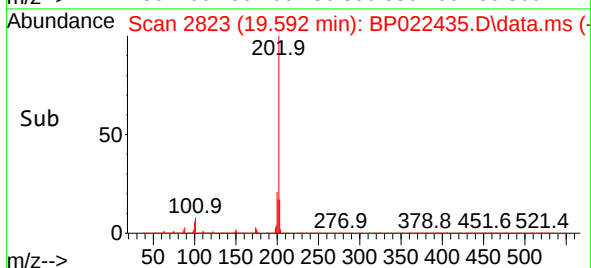
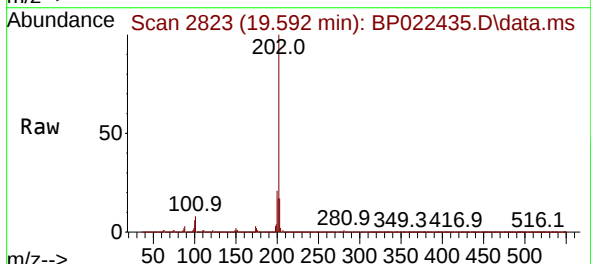
Manual Integrations  
APPROVED

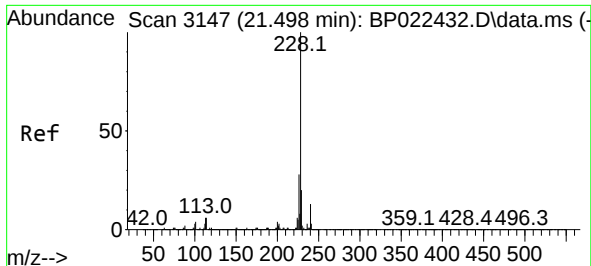
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024



#82  
Pyrene  
Concen: 18.996 ng/u1  
RT: 19.592 min Scan# 2823  
Delta R.T. -0.006 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

Tgt Ion:202 Resp: 1358089  
Ion Ratio Lower Upper  
202 100  
101 7.6 6.7 10.1  
100 6.4 5.8 8.6





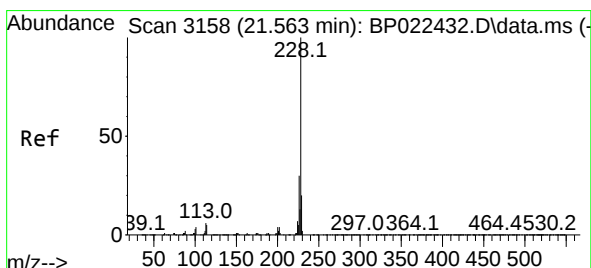
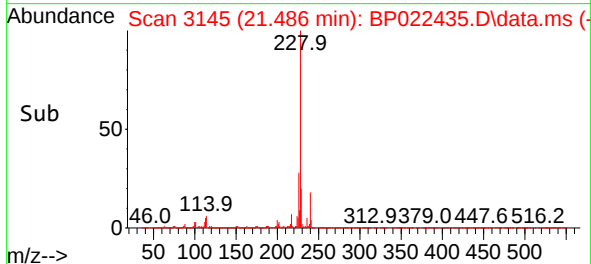
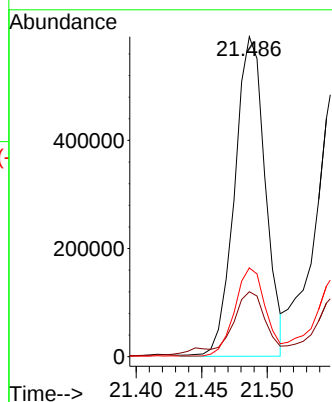
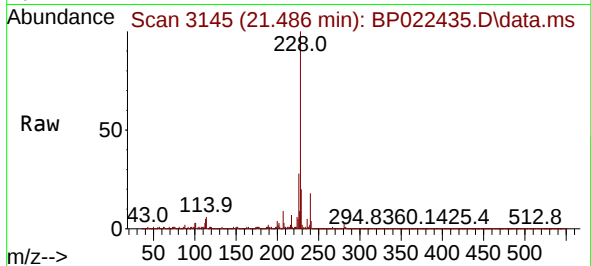
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Benzo(a)anthracene  
Concen: 12.500 ng/u1  
RT: 21.486 min Scan# 3145  
Delta R.T. -0.012 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1

Tgt Ion:228 Resp: 961520  
Ion Ratio Lower Upper  
228 100  
229 20.3 15.4 23.0  
226 27.7 21.5 32.3

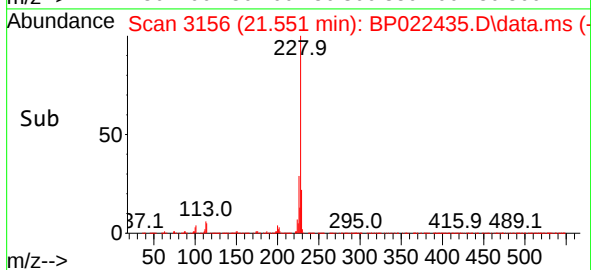
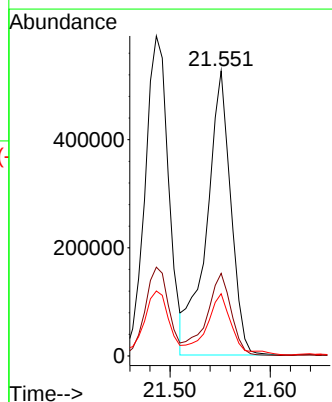
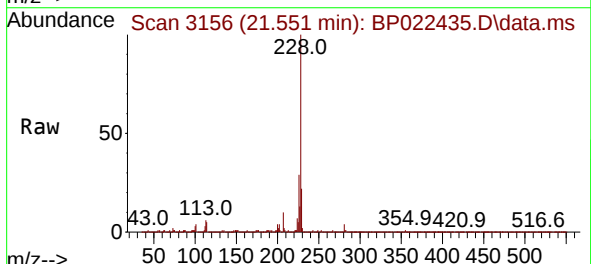
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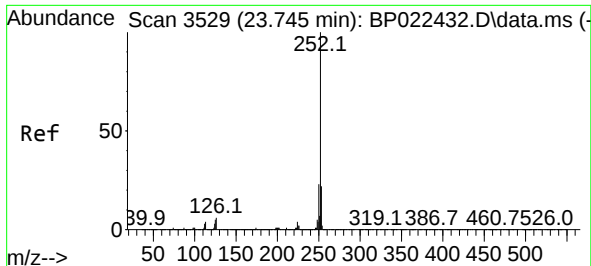
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024



#87  
Chrysene  
Concen: 12.343 ng/u1  
RT: 21.551 min Scan# 3156  
Delta R.T. -0.012 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

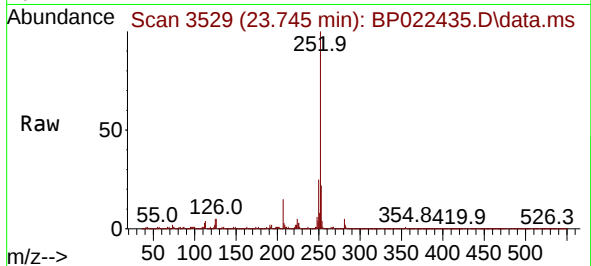
Tgt Ion:228 Resp: 880307  
Ion Ratio Lower Upper  
228 100  
226 29.0 23.8 35.8  
229 21.8 15.5 23.3





#90  
Benzo(b)fluoranthene  
Concen: 14.030 ng/ul  
RT: 23.745 min Scan# 3529  
Delta R.T. 0.000 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

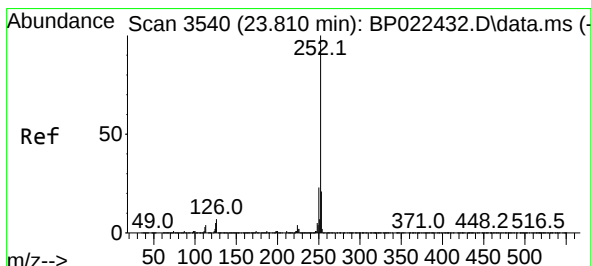
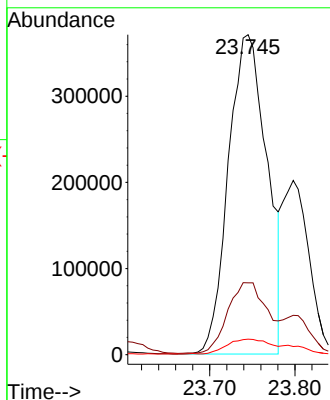
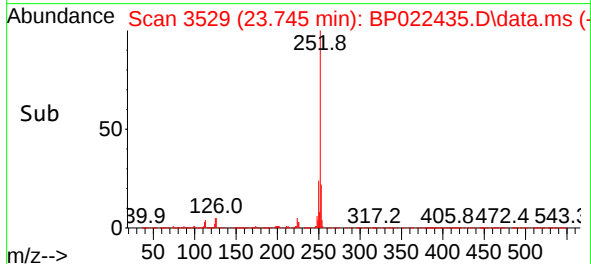
Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1



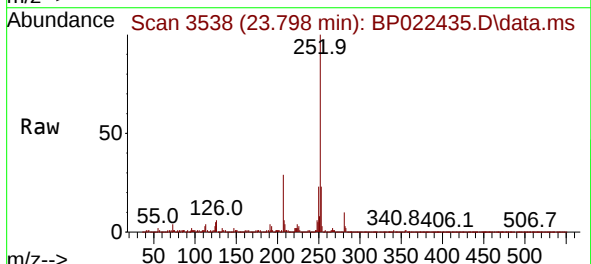
Tgt Ion:252 Resp: 116816  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.8  
125 4.9 5.0 7.4

Manual Integrations  
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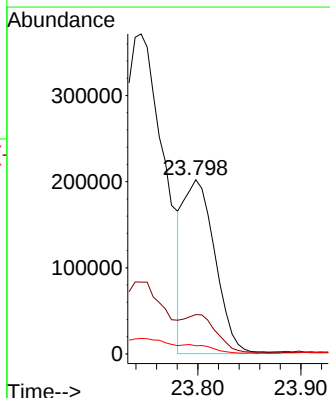
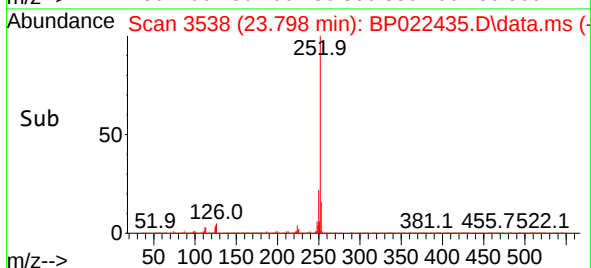
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024

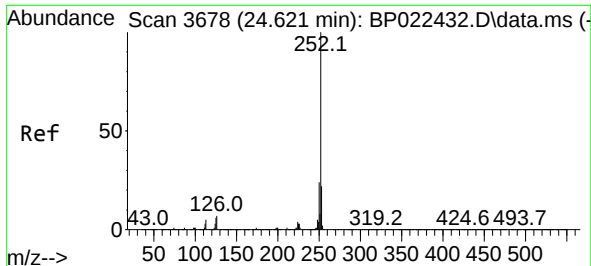


#91  
Benzo(k)fluoranthene  
Concen: 5.295 ng/ul m  
RT: 23.798 min Scan# 3538  
Delta R.T. -0.012 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59



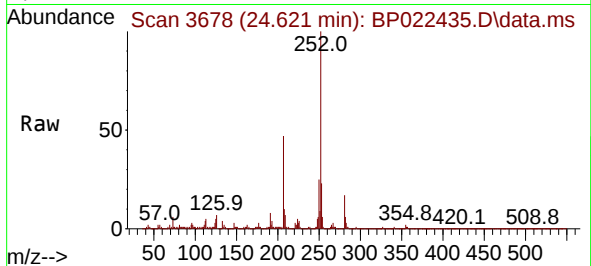
Tgt Ion:252 Resp: 431648  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.4 26.0  
125 4.7 4.6 6.8





#93  
Benzo(a)pyrene  
Concen: 4.185 ng/ul  
RT: 24.621 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59

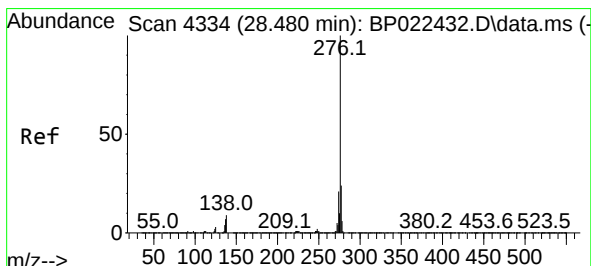
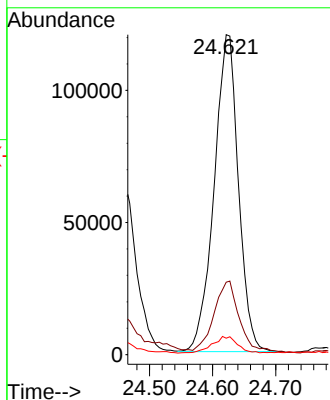
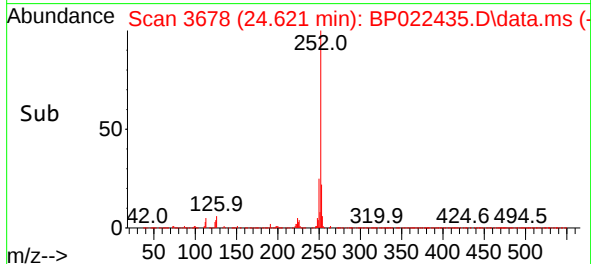
Instrument :  
BNA\_P  
ClientSampleId :  
A4ET1



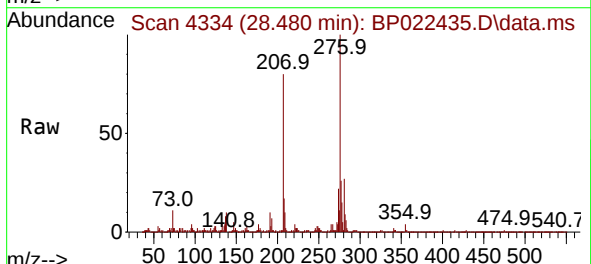
Tgt Ion:252 Resp: 320670  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.7 26.5  
125 5.1 4.9 7.3

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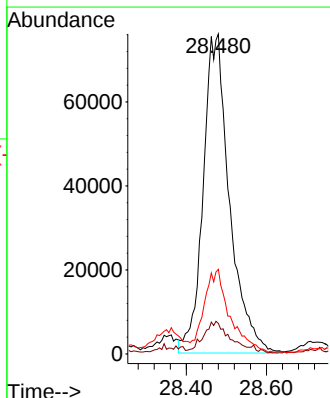
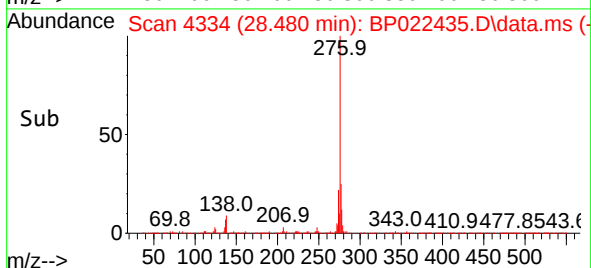
Reviewed By :Yogesh Patel 10/18/2024  
Supervised By :mohammad ahmed 10/18/2024

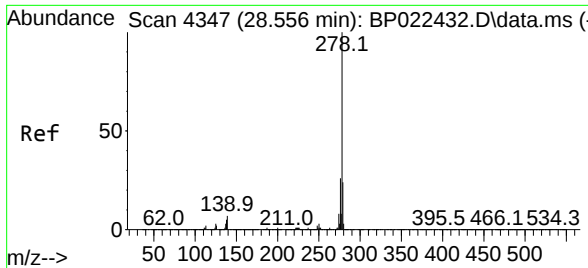


#94  
Indeno(1,2,3-cd)pyrene  
Concen: 3.396 ng/ul m  
RT: 28.480 min Scan# 4334  
Delta R.T. 0.000 min  
Lab File: BP022435.D  
Acq: 17 Oct 2024 05:59



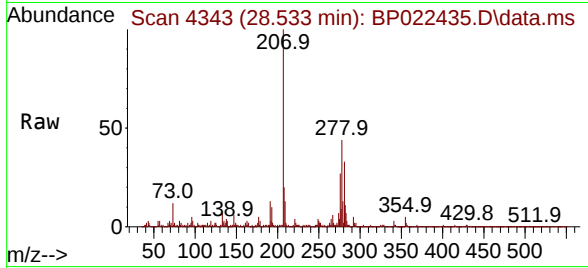
Tgt Ion:276 Resp: 347329  
Ion Ratio Lower Upper  
276 100  
138 9.5 9.1 13.7  
277 26.4 18.6 27.8





#95  
 Dibenzo(a,h)anthracene  
 Concen: 1.752 ng/ul  
 RT: 28.533 min Scan# 41  
 Delta R.T. -0.023 min  
 Lab File: BP022435.D  
 Acq: 17 Oct 2024 05:59

Instrument :  
 BNA\_P  
 ClientSampleId :  
 A4ET1



Tgt Ion: 278 Resp: 14506  
 Ion Ratio Lower Upper  
 278 100  
 139 8.8 7.3 10.9  
 279 28.9 19.0 28.4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/18/2024  
 Supervised By :mohammad ahmed 10/18/2024

