

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080624\  
 Data File : BP021442.D  
 Acq On : 08 Aug 2024 08:44  
 Operator : CG/JU  
 Sample : P3378-04DL 10X  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AY7DL

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 08 09:12:56 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jul 29 12:46:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|-----------|---------|--------|----------|
| -----                         |        |      |           |         |        |          |
| Internal Standards            |        |      |           |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.610  | 152  | 158414    | 20.000  | ng/u1  | -0.02    |
| 20) Naphthalene-d8            | 10.369 | 136  | 685355    | 20.000  | ng/u1  | -0.02    |
| 38) Acenaphthene-d10          | 14.251 | 164  | 427317    | 20.000  | ng/u1  | -0.02    |
| 64) Phenanthrene-d10          | 17.069 | 188  | 1058690   | 20.000  | ng/u1  | -0.02    |
| 79) Chrysene-d12              | 21.516 | 240  | 1021515   | 20.000  | ng/u1  | -0.02    |
| 88) Perylene-d12              | 24.804 | 264  | 1197548   | 20.000  | ng/u1  | -0.03    |
|                               |        |      |           |         |        |          |
| System Monitoring Compounds   |        |      |           |         |        |          |
| 3) 1,4-Dioxane-d8             | 0.000  | 96   | 0d        | 0.000   | ng/uL  |          |
| 4) Pyridine-d5                | 0.000  | 84   | 0d        | 0.000   | ng/u1  |          |
| 7) Phenol-d5                  | 6.905  | 99   | 9307m     | 0.721   | ng/u1  | 0.06     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.993  | 67   | 15242     | 1.947   | ng/u1  | 0.01     |
| 11) 2-Chlorophenol-d4         | 7.210  | 132  | 20803     | 1.955   | ng/u1  | 0.03     |
| 15) 4-Methylphenol-d8         | 8.375  | 113  | 17301m    | 1.613   | ng/u1  | 0.01     |
| 21) Nitrobenzene-d5           | 8.804  | 128  | 9031      | 1.697   | ng/u1  | 0.01     |
| 24) 2-Nitrophenol-d4          | 9.516  | 143  | 10775m    | 1.768   | ng/u1  | 0.01     |
| 28) 2,4-Dichlorophenol-d3     | 10.046 | 165  | 23197     | 2.106   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.528 | 131  | 11112     | 0.761   | ng/u1  | -0.03    |
| 46) Dimethylphthalate-d6      | 13.663 | 166  | 75078     | 2.417   | ng/u1  | -0.02    |
| 49) Acenaphthylene-d8         | 13.945 | 160  | 74942     | 2.149   | ng/u1  | -0.02    |
| 54) 4-Nitrophenol-d4          | 0.000  | 143  | 0d        | 0.000   | ng/u1  |          |
| 60) Fluorene-d10              | 15.269 | 176  | 69977     | 2.746   | ng/u1  | -0.02    |
| 65) 4,6-Dinitro-2-methylph... | 15.498 | 200  | 7107m     | 1.109   | ng/u1  | 0.04     |
| 73) Anthracene-d10            | 17.175 | 188  | 113447    | 2.413   | ng/u1  | -0.02    |
| 81) Pyrene-d10                | 19.563 | 212  | 130004    | 2.059   | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 24.592 | 264  | 130752    | 2.214   | ng/u1  | 0.00     |
|                               |        |      |           |         |        |          |
| Target Compounds              |        |      |           |         |        |          |
|                               |        |      |           |         | Qvalue |          |
| 8) Phenol                     | 6.928  | 94   | 22365m    | 1.711   | ng/u1  |          |
| 13) 2-Methylphenol            | 8.081  | 108  | 252735    | 25.006  | ng/u1  | 99       |
| 18) 4-Methylphenol            | 8.434  | 108  | 80091     | 7.397   | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.575  | 107  | 1181535m  | 94.294  | ng/u1  |          |
| 30) Naphthalene               | 10.428 | 128  | 23399009m | 649.068 | ng/u1  |          |
| 36) 2-Methylnaphthalene       | 12.040 | 142  | 1939901   | 78.392  | ng/u1  | 98       |
| 37) 1-Methylnaphthalene       | 12.257 | 142  | 999212    | 39.260  | ng/u1  | 98       |
| 43) 1,1'-Biphenyl             | 13.075 | 154  | 242323    | 7.760   | ng/u1  | 98       |
| 52) Acenaphthene              | 14.316 | 153  | 569170    | 21.714  | ng/u1  | 99       |
| 56) Dibenzofuran              | 14.663 | 168  | 700522    | 19.516  | ng/u1  | 98       |
| 61) Fluorene                  | 15.328 | 166  | 475689    | 16.240  | ng/u1  | 99       |
| 72) Phenanthrene              | 17.116 | 178  | 719831    | 13.107  | ng/u1  | 99       |
| 74) Anthracene                | 17.216 | 178  | 126443    | 2.258   | ng/u1  | 98       |
| 77) Carbazole                 | 17.510 | 167  | 1523536   | 33.287  | ng/u1  | 100      |
| 80) Fluoranthene              | 19.216 | 202  | 86431     | 1.133   | ng/u1  | 99       |
| -----                         |        |      |           |         |        |          |

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

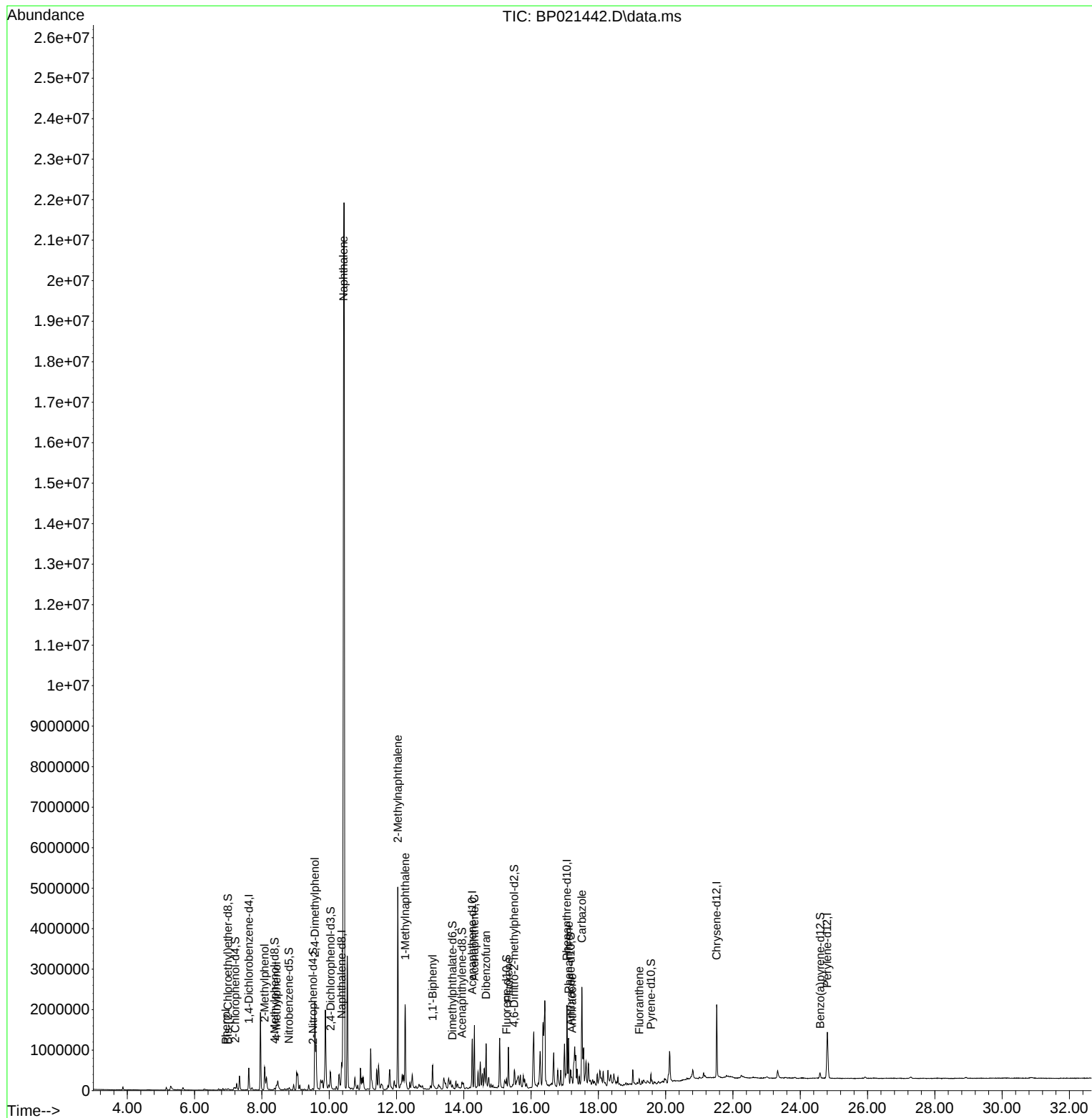
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Data File : BP021442.D  
Acq On : 08 Aug 2024 08:44  
Operator : CG/JU  
Sample : P3378-04DL 10X  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

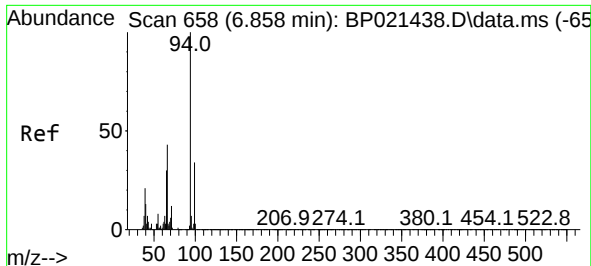
Instrument :  
BNA\_P  
ClientSampleId :  
C0AY7DL

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Supervised By :mohammad ahmed 08/09/2024

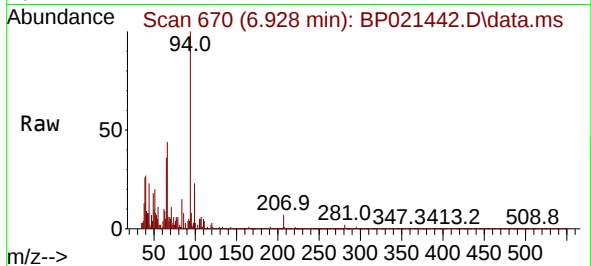
Quant Time: Aug 08 09:12:56 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071024.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Jul 29 12:46:18 2024  
Response via : Initial Calibration





#8  
Phenol  
Concen: 1.711 ng/ul m  
RT: 6.928 min Scan# 6  
Delta R.T. 0.053 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

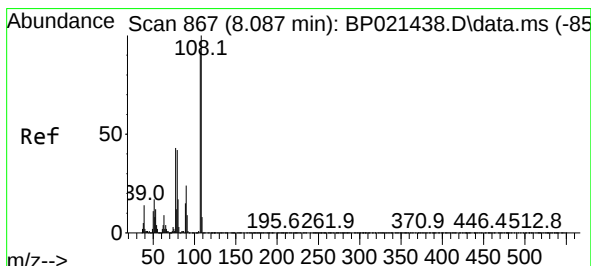
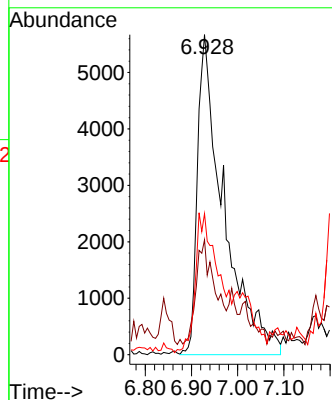
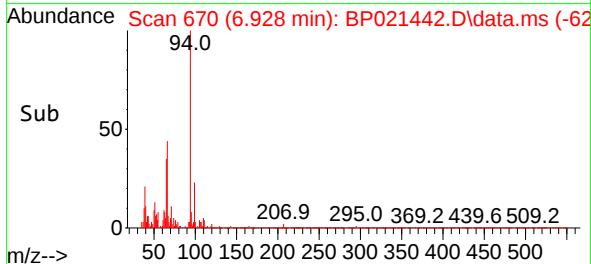
Instrument :  
BNA\_P  
ClientSampleId :  
C0AY7DL



Tgt Ion: 94 Resp: 2236  
Ion Ratio Lower Upper  
94 100  
65 35.9 23.4 35.0  
66 44.0 33.9 50.9

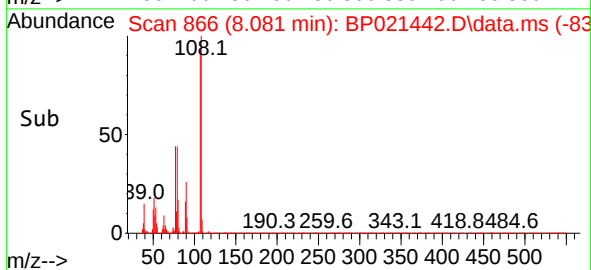
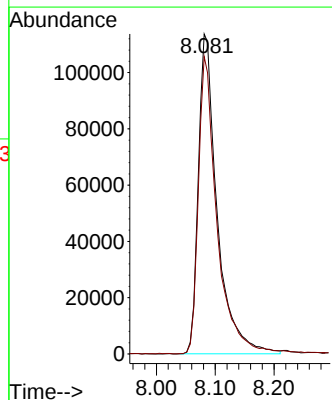
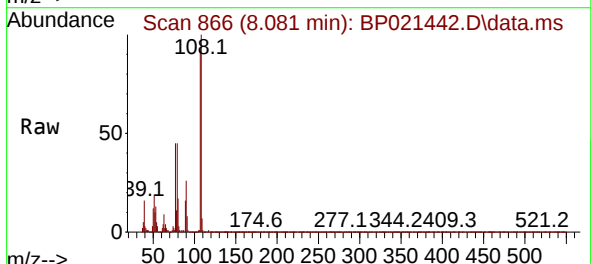
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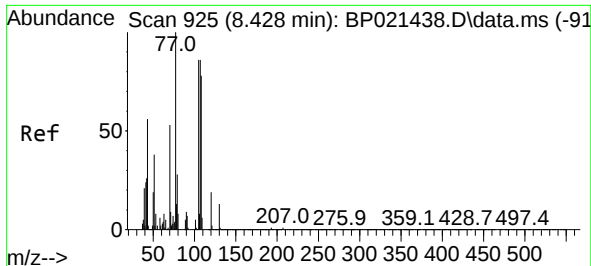
Reviewed By :Jagrut Upadhyay 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#13  
2-Methylphenol  
Concen: 25.006 ng/ul  
RT: 8.081 min Scan# 866  
Delta R.T. -0.017 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

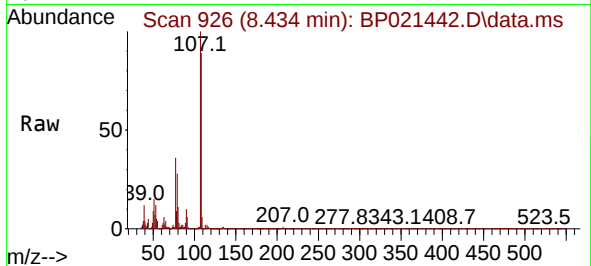
Tgt Ion:108 Resp: 252735  
Ion Ratio Lower Upper  
108 100  
107 92.9 73.8 110.8





#18  
4-Methylphenol  
Concen: 7.397 ng/ul  
RT: 8.434 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

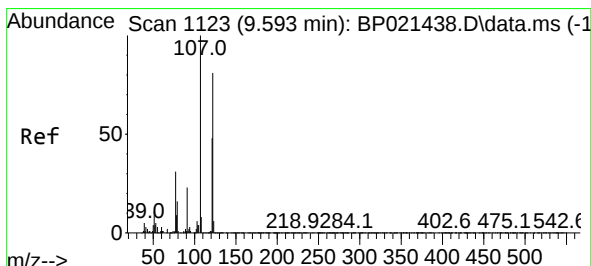
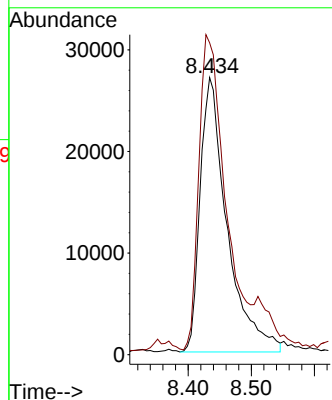
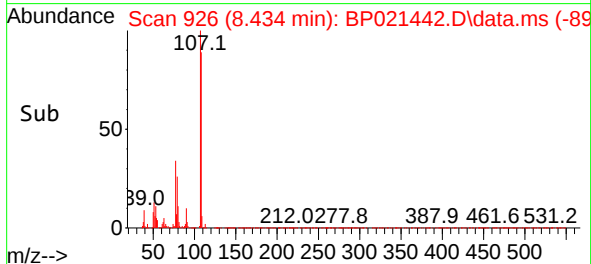
Instrument :  
BNA\_P  
ClientSampleId :  
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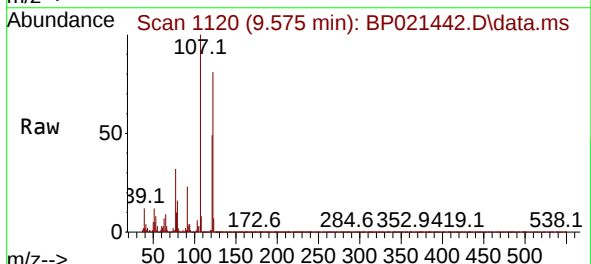
Tgt Ion:108 Resp: 8009  
Ion Ratio Lower Upper  
108 100  
107 112.6 87.8 131.8

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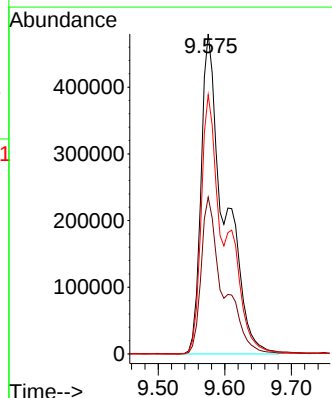
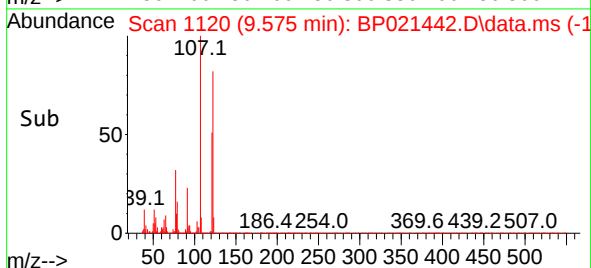
Reviewed By :Jagrut Upadhyay 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024

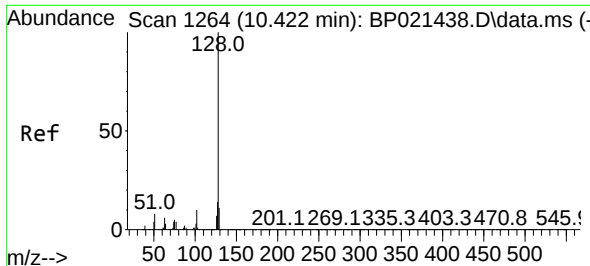


#26  
2,4-Dimethylphenol  
Concen: 94.294 ng/ul m  
RT: 9.575 min Scan# 1120  
Delta R.T. -0.029 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44



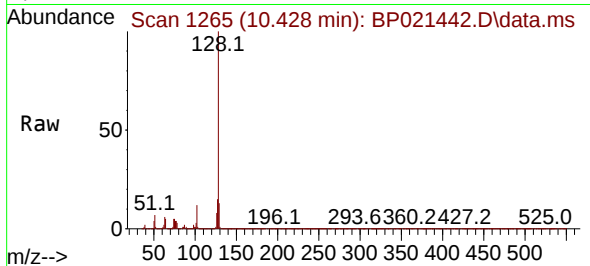
Tgt Ion:107 Resp: 1181535  
Ion Ratio Lower Upper  
107 100  
121 49.0 39.6 59.4  
122 81.0 66.3 99.5





#30  
Naphthalene  
Concen: 649.068 ng/ul m  
RT: 10.428 min Scan# 1264  
Delta R.T. -0.011 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

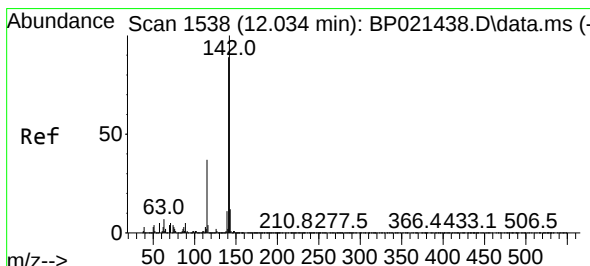
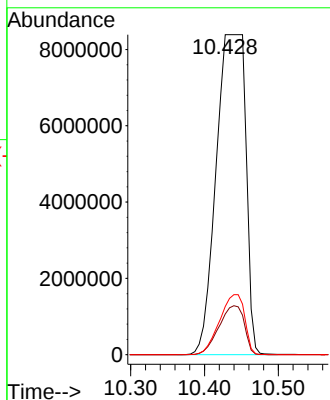
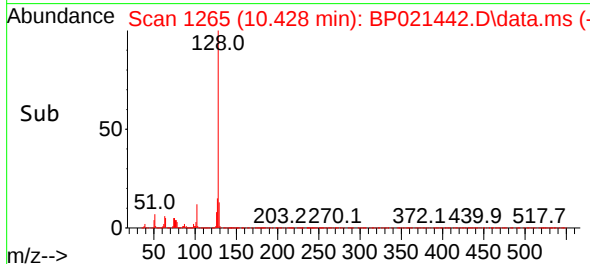
Instrument :  
BNA\_P  
ClientSampleId :  
C0AY7DL



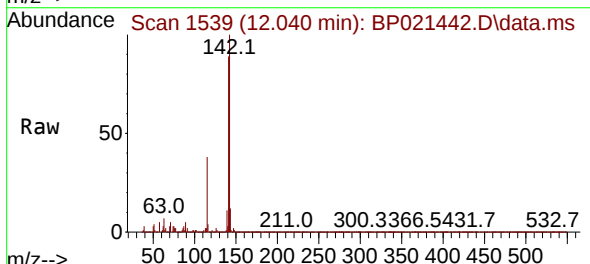
Tgt Ion:128 Resp:23399009  
Ion Ratio Lower Upper  
128 100  
129 12.7 8.6 13.0  
127 15.0 10.8 16.2

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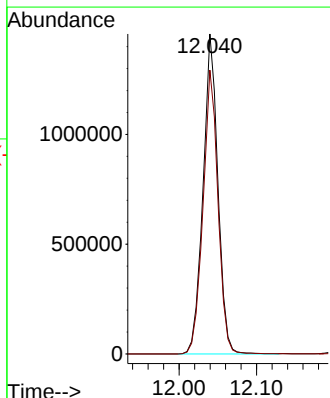
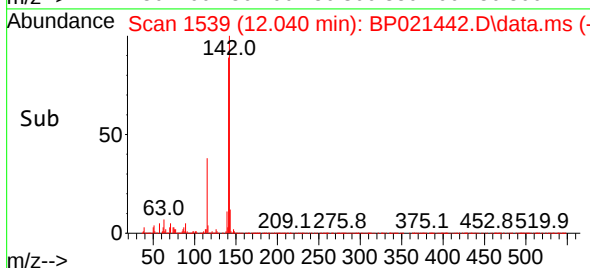
Reviewed By :Jagrut Upadhyay 08/08/2024  
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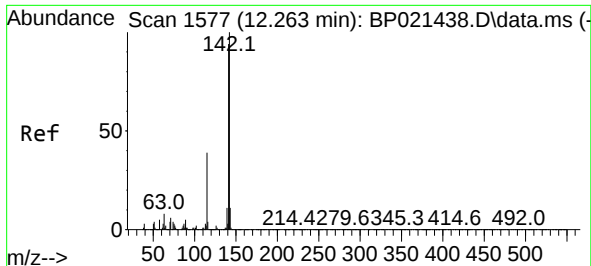


#36  
2-Methylnaphthalene  
Concen: 78.392 ng/ul  
RT: 12.040 min Scan# 1539  
Delta R.T. -0.029 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44



Tgt Ion:142 Resp: 1939901  
Ion Ratio Lower Upper  
142 100  
141 88.7 72.6 108.8





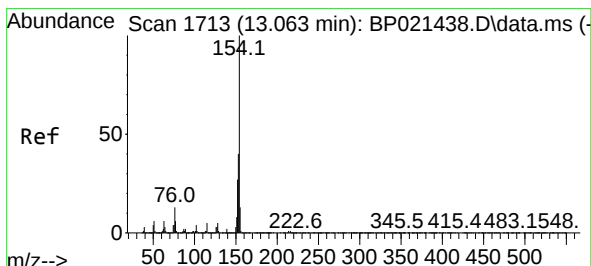
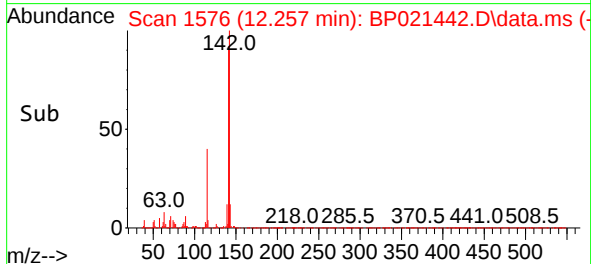
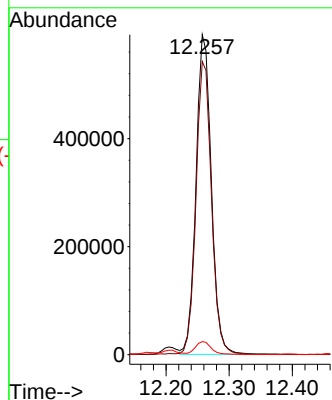
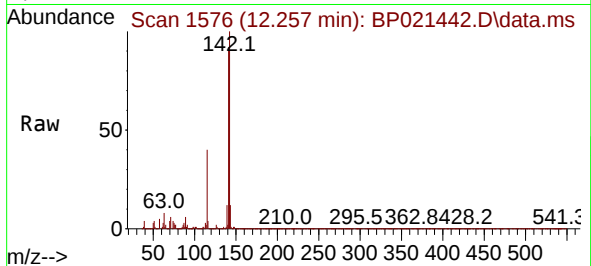
#37  
1-Methylnaphthalene  
Concen: 39.260 ng/ul  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.035 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

Instrument :  
BNA\_P  
ClientSampleId :  
C0AY7DL

Tgt Ion:142 Resp: 99921  
Ion Ratio Lower Upper  
142 100  
141 91.6 75.0 112.6  
116 4.1 3.2 4.8

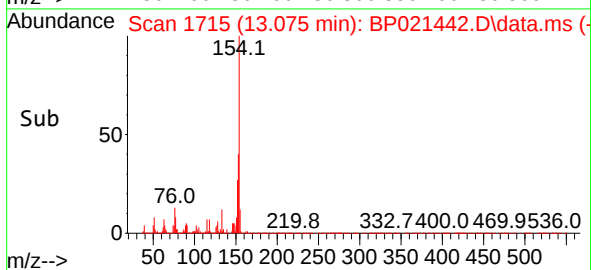
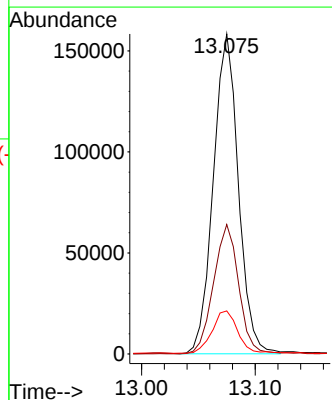
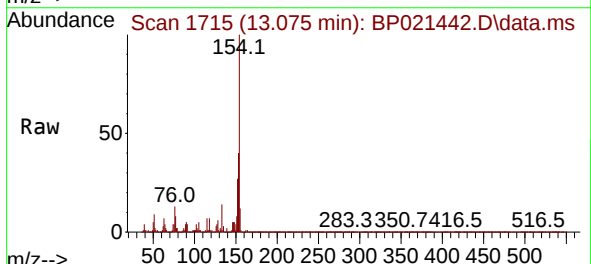
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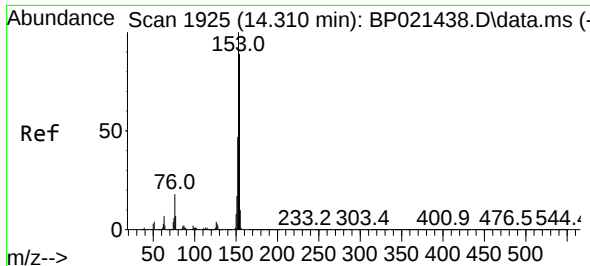
Reviewed By :Jagrut Upadhyay 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#43  
1,1'-Biphenyl  
Concen: 7.760 ng/ul  
RT: 13.075 min Scan# 1715  
Delta R.T. -0.011 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

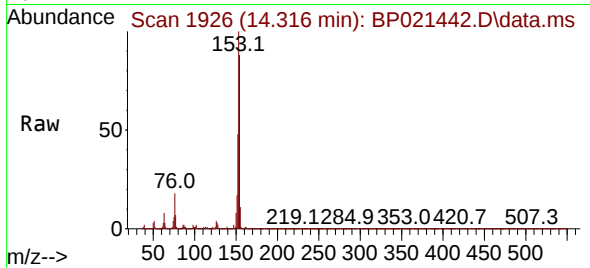
Tgt Ion:154 Resp: 242323  
Ion Ratio Lower Upper  
154 100  
153 40.4 32.7 49.1  
76 13.5 9.4 14.2





#52  
Acenaphthene  
Concen: 21.714 ng/ul  
RT: 14.316 min Scan# 1926  
Delta R.T. -0.023 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

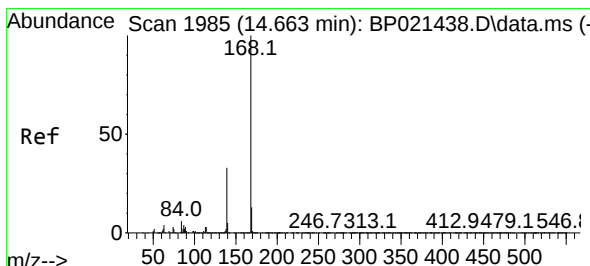
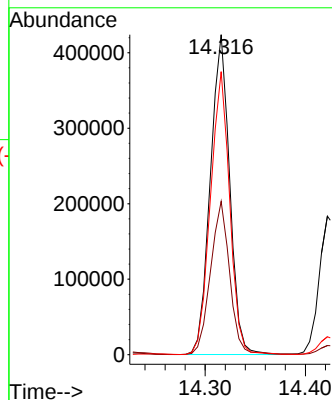
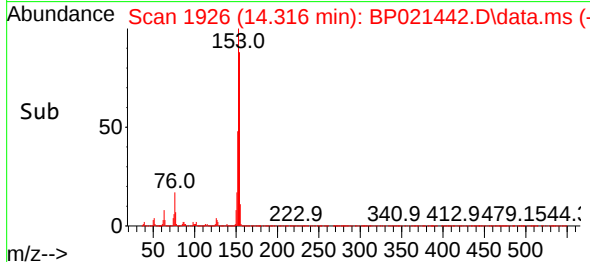
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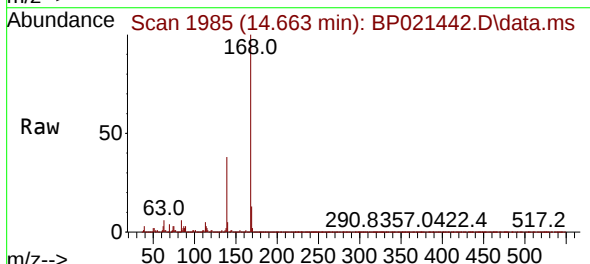
Tgt Ion:153 Resp: 569170  
Ion Ratio Lower Upper  
153 100  
152 47.9 37.8 56.6  
154 88.5 71.8 107.6

Manual Integrations  
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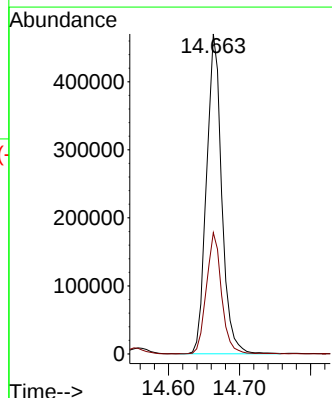
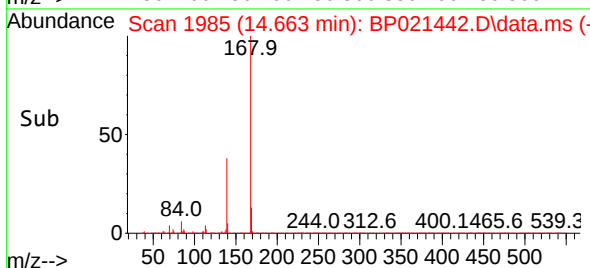
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Supervised By :mohammad ahmed 08/09/2024

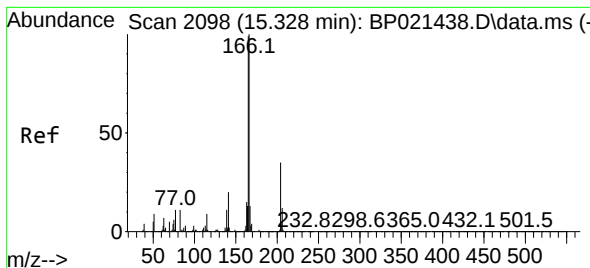


#56  
Dibenzofuran  
Concen: 19.516 ng/ul  
RT: 14.663 min Scan# 1985  
Delta R.T. -0.023 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44



Tgt Ion:168 Resp: 700522  
Ion Ratio Lower Upper  
168 100  
139 37.9 31.1 46.7





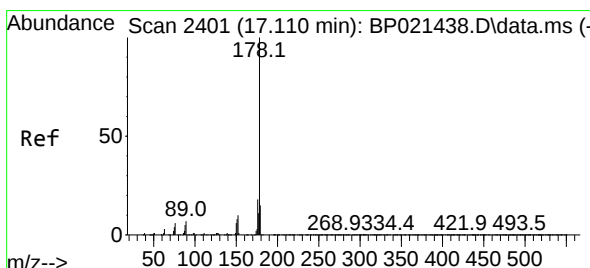
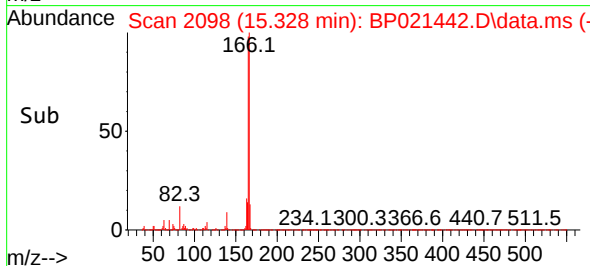
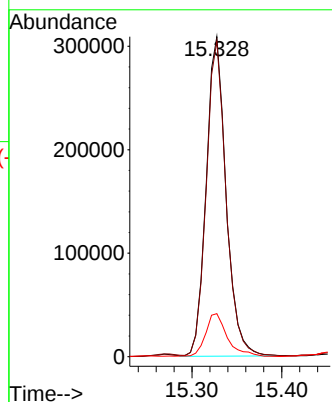
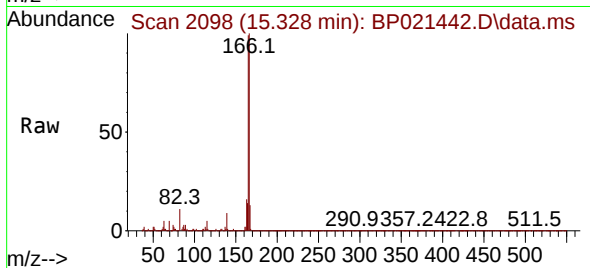
#61  
Fluorene  
Concen: 16.240 ng/ul  
RT: 15.328 min Scan# 2098  
Delta R.T. -0.017 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

Instrument :  
BNA\_P  
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Tgt Ion:166 Resp: 475689  
Ion Ratio Lower Upper  
166 100  
165 98.6 78.1 117.1  
167 13.4 10.9 16.3

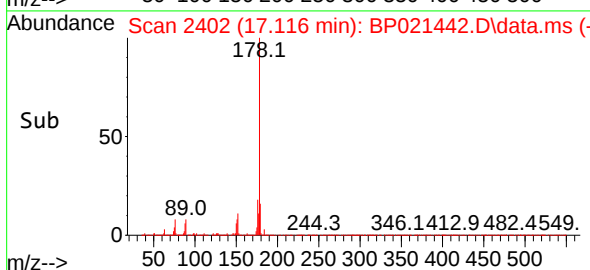
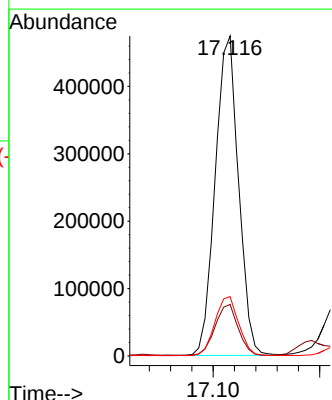
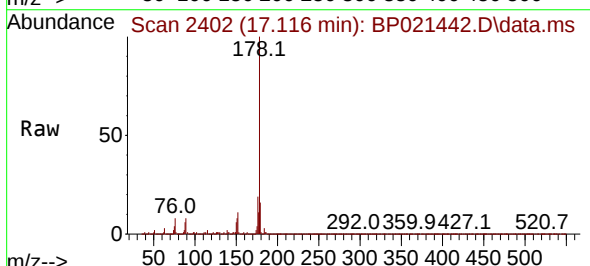
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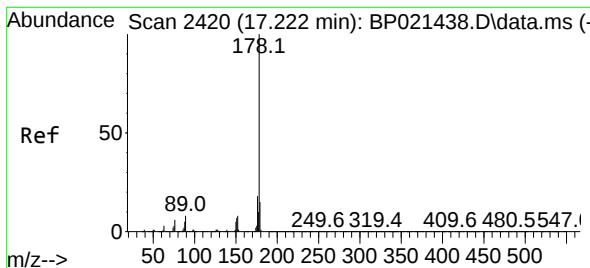
Reviewed By :Jagrut Upadhyay 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#72  
Phenanthrene  
Concen: 13.107 ng/ul  
RT: 17.116 min Scan# 2402  
Delta R.T. -0.017 min  
Lab File: BP021442.D  
Acq: 08 Aug 2024 08:44

Tgt Ion:178 Resp: 719831  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.2 18.4  
176 18.6 15.0 22.4





#74

Anthracene

Concen: 2.258 ng/ul

RT: 17.216 min Scan# 2420

Delta R.T. -0.017 min

Lab File: BP021442.D

Acq: 08 Aug 2024 08:44

Instrument :

BNA\_P

ClientSampleId :

C0AY7DL

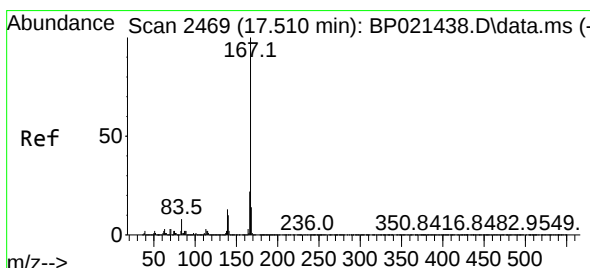
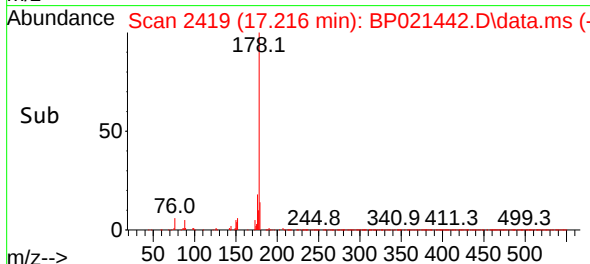
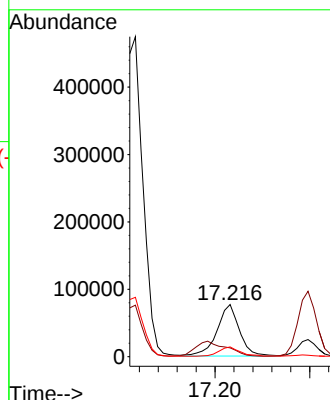
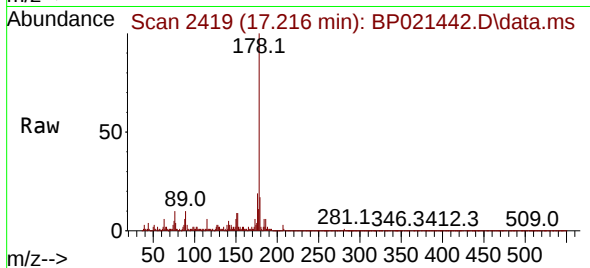
Tgt Ion:178 Resp: 12644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 17.0  | 12.5  | 18.7  |
| 176 | 18.6  | 14.8  | 22.2  |

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Reviewed By :Jagrut Upadhyay 08/08/2024  
Supervised By :mohammad ahmed 08/09/2024



#77

Carbazole

Concen: 33.287 ng/ul

RT: 17.510 min Scan# 2469

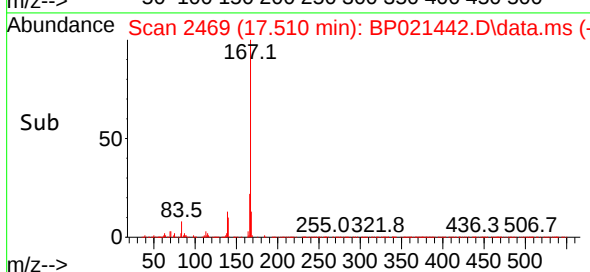
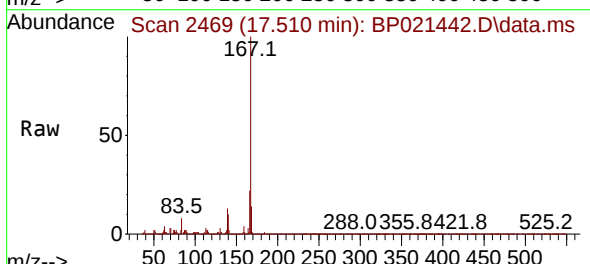
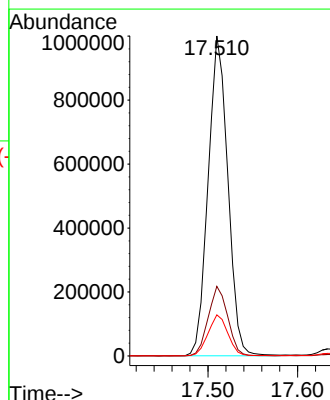
Delta R.T. -0.011 min

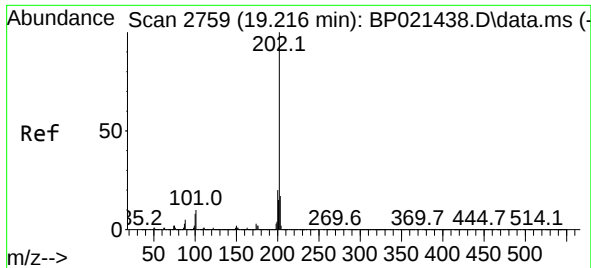
Lab File: BP021442.D

Acq: 08 Aug 2024 08:44

Tgt Ion:167 Resp: 1523536

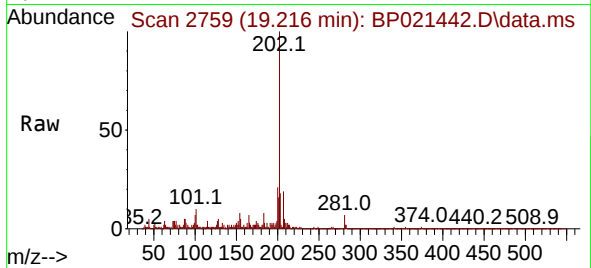
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.8  | 17.3  | 25.9  |
| 139 | 12.8  | 10.2  | 15.2  |





#80  
 Fluoranthene  
 Concen: 1.133 ng/ul  
 RT: 19.216 min Scan# 21  
 Delta R.T. -0.017 min  
 Lab File: BP021442.D  
 Acq: 08 Aug 2024 08:44

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AY7DL



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.2  | 8.0   | 12.0  |
| 100     | 7.3   | 6.1   | 9.1   |

Manual Integrations  
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Reviewed By :Jagrut Upadhyay 08/08/2024  
 Supervised By :mohammad ahmed 08/09/2024

