

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP091223\  
 Data File : BP017163.D  
 Acq On : 13 Sep 2023 23:11  
 Operator : MA/JU  
 Sample : 04227-05  
 Misc :  
 ALS Vial : 51 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BH9X5

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/14/2023  
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 14 09:07:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP091223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Sep 12 23:27:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.952  | 152  | 228421   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.781 | 136  | 998499   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.610 | 164  | 648089   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.381 | 188  | 1493371  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.480 | 240  | 1393960  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.004 | 264  | 1371352  | 20.000  | ng/u1  | -0.02    |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.311  | 96   | 26901    | 4.949   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.752  | 84   | 161357   | 10.377  | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 5680m    | 0.306   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.293  | 67   | 432021   | 37.214  | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.558  | 132  | 486810m  | 32.854  | ng/u1  | 0.08     |
| 15) 4-Methylphenol-d8         | 8.905  | 113  | 484547m  | 31.478  | ng/u1  | 0.24     |
| 21) Nitrobenzene-d5           | 9.152  | 128  | 311684   | 44.579  | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.869  | 143  | 324932   | 43.532  | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.404 | 165  | 661088   | 45.796  | ng/u1  | 0.01     |
| 31) 4-Chloroaniline-d4        | 10.946 | 131  | 535024   | 24.590  | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.028 | 166  | 2165526  | 46.955  | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 2300454  | 43.960  | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.840 | 143  | 102322   | 11.479  | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 1818498  | 45.602  | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 200  | 345419   | 41.400  | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.481 | 188  | 3007968  | 47.407  | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.722 | 212  | 3620148  | 49.519  | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.839 | 264  | 3124286  | 48.270  | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 3.346  | 88   | 59695    | 10.213  | ng/uL  | 96       |
| 30) Naphthalene               | 10.834 | 128  | 6161218  | 121.940 | ng/u1  | 99       |
| 34) Caprolactam               | 11.799 | 113  | 17444    | 3.798   | ng/u1  | 90       |
| 36) 2-Methylnaphthalene       | 12.434 | 142  | 490573   | 14.389  | ng/u1  | 98       |
| 37) 1-Methylnaphthalene       | 12.657 | 142  | 2372435  | 68.745  | ng/u1  | 98       |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 82072    | 1.766   | ng/u1  | 97       |
| -----                         |        |      |          |         |        |          |

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

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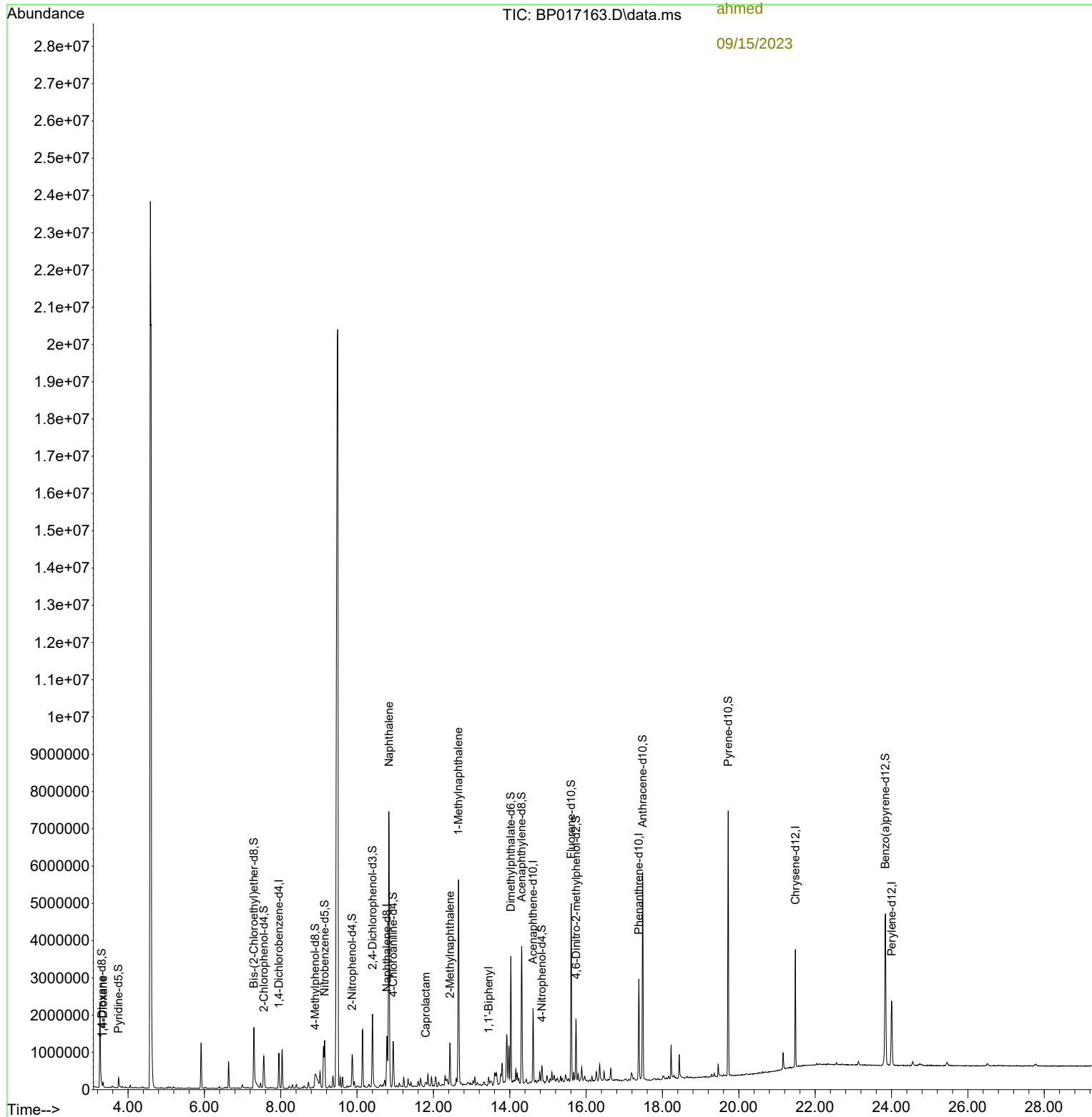
Manual Integrations  
APPROVED

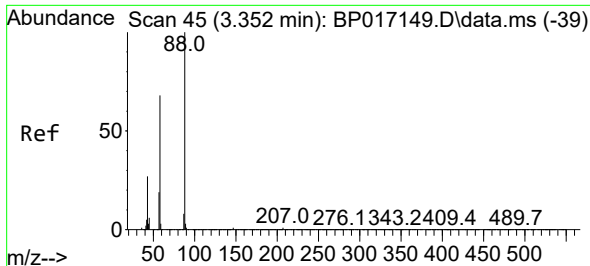
Reviewed By :Yogesh Patel 09/14/2023  
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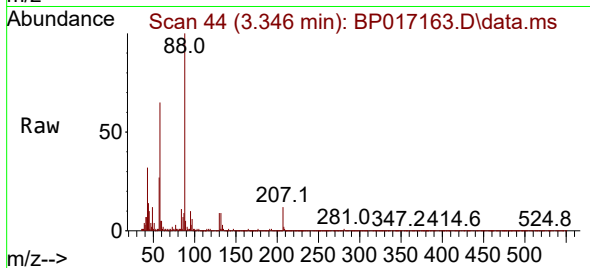
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#2  
1,4-Dioxane  
Concen: 10.213 ng/uL  
RT: 3.346 min Scan# 44  
Delta R.T. -0.006 min  
Lab File: BP017163.D  
Acq: 13 Sep 2023 23:11

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BNA\_P  
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BH9X5



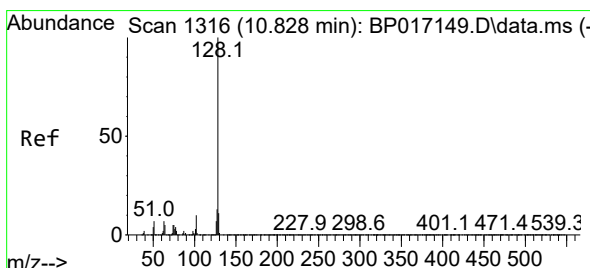
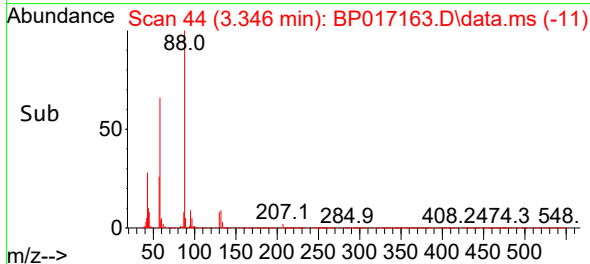
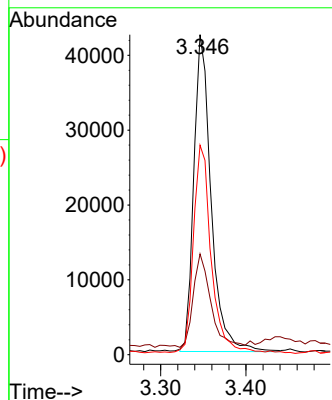
Tgt Ion: 88 Resp: 5969  
Ion Ratio Lower Upper  
88 100  
43 31.5 21.9 32.9  
58 65.4 50.8 76.2

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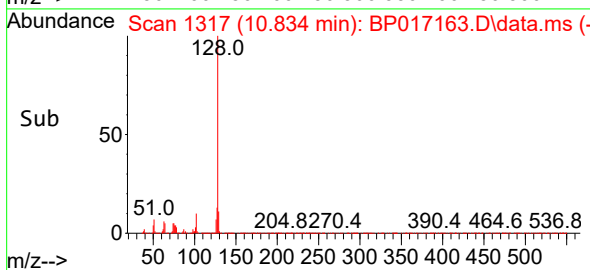
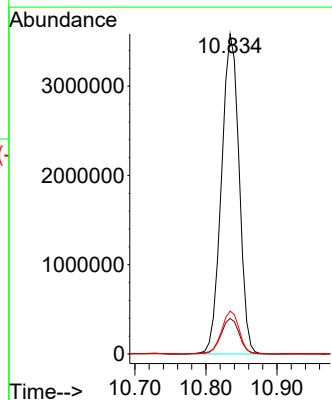
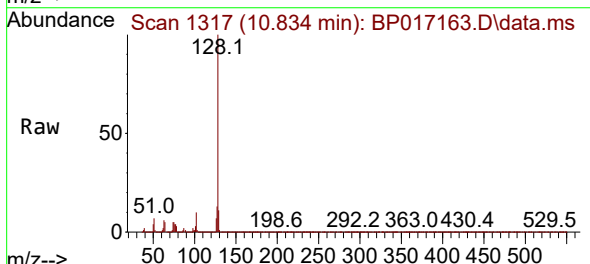
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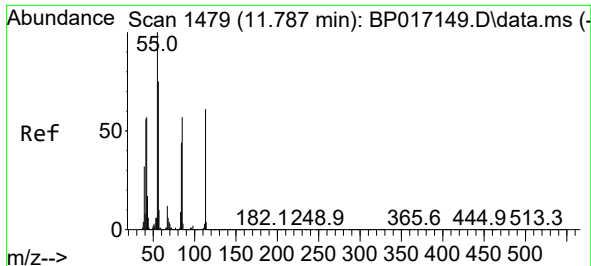
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#30  
Naphthalene  
Concen: 121.940 ng/uL  
RT: 10.834 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: BP017163.D  
Acq: 13 Sep 2023 23:11

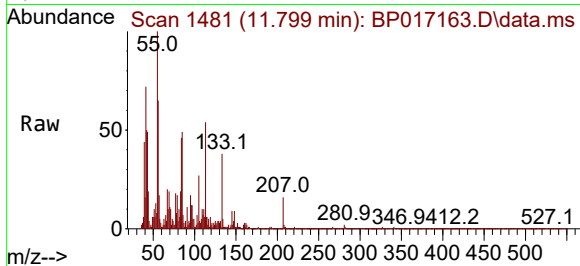
Tgt Ion:128 Resp: 6161218  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.4 10.4 15.6





#34  
Caprolactam  
Concen: 3.798 ng/ul  
RT: 11.799 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: BP017163.D  
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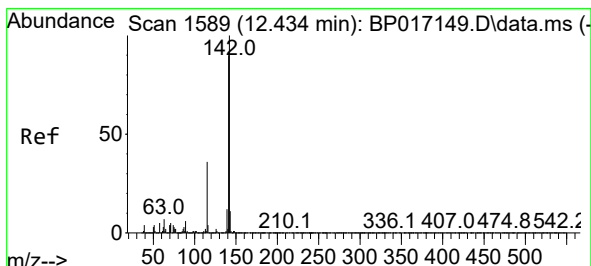
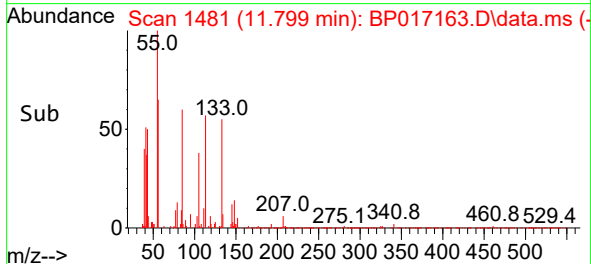
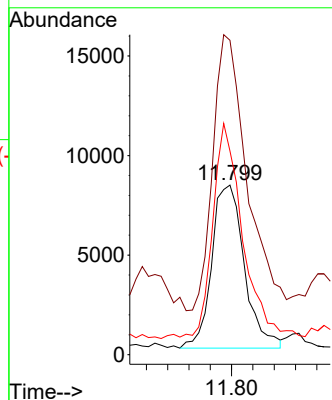
Tgt Ion:113 Resp: 1744  
Ion Ratio Lower Upper  
113 100  
55 185.4 130.7 196.1  
56 120.1 96.8 145.2

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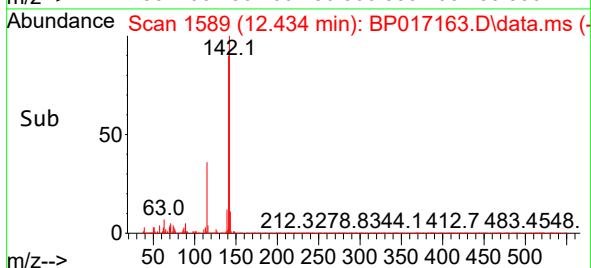
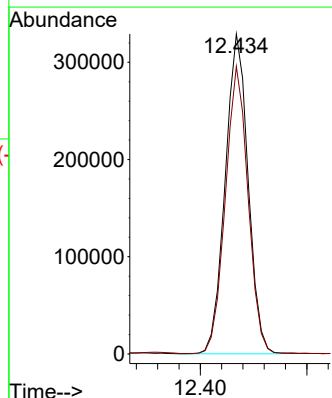
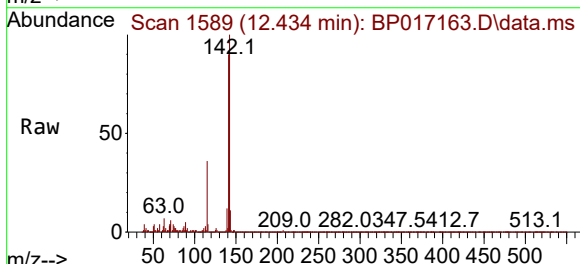
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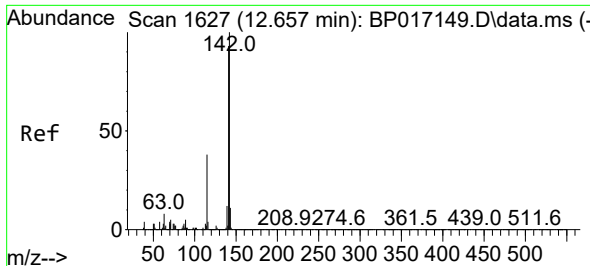
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#36  
2-Methylnaphthalene  
Concen: 14.389 ng/ul  
RT: 12.434 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BP017163.D  
Acq: 13 Sep 2023 23:11

Tgt Ion:142 Resp: 490573  
Ion Ratio Lower Upper  
142 100  
141 89.9 70.1 105.1





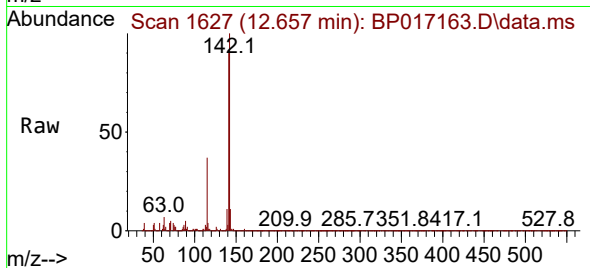
#37  
1-Methylnaphthalene  
Concen: 68.745 ng/ul  
RT: 12.657 min Scan# 1627  
Delta R.T. -0.006 min  
Lab File: BP017163.D  
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Tgt Ion:142 Resp: 2372435  
Ion Ratio Lower Upper  
142 100  
141 90.2 74.1 111.1  
116 4.0 3.1 4.7

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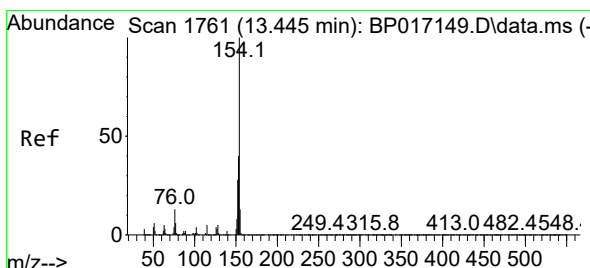
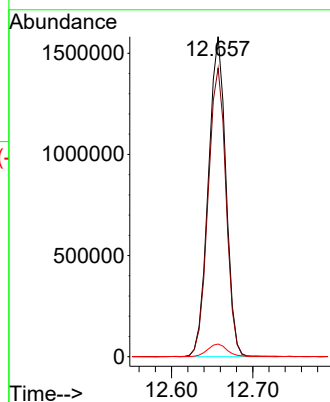
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#43  
1,1'-Biphenyl  
Concen: 1.766 ng/ul  
RT: 13.445 min Scan# 1761  
Delta R.T. -0.006 min  
Lab File: BP017163.D  
Acq: 13 Sep 2023 23:11

Tgt Ion:154 Resp: 82072  
Ion Ratio Lower Upper  
154 100  
153 41.4 31.8 47.8  
76 15.4 10.8 16.2

