

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031023\  
 Data File : BP014026.D  
 Acq On : 10 Mar 2023 12:38  
 Operator : CG/JU  
 Sample : 01784-13DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 DCAC3DL

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/13/2023  
 Supervised By : Jagrut Upadhyay 03/13/2023

Quant Time: Mar 10 21:28:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP030723.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 09 01:10:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.075  | 152  | 148353   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.905 | 136  | 652417   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.716 | 164  | 445826   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.469 | 188  | 1102312  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.545 | 240  | 1162437  | 20.000  | ng/u1  | #-0.01   |
| 88) Perylene-d12              | 24.086 | 264  | 1138071  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.440  | 96   | 2046     | 0.521   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.893  | 84   | 17033m   | 1.567   | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.234  | 99   | 16913    | 1.292   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.399  | 67   | 60538    | 7.929   | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.605  | 132  | 52098    | 5.223   | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.787  | 113  | 35522    | 3.322   | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.252  | 128  | 37044    | 7.116   | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.975  | 143  | 39295    | 6.306   | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.522 | 165  | 70081    | 5.977   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.040 | 131  | 84375    | 5.438   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.116 | 166  | 311223   | 8.226   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.410 | 160  | 292095   | 7.288   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.928 | 143  | 6376m    | 0.956   | ng/u1  | 0.01     |
| 60) Fluorene-d10              | 15.704 | 176  | 246640   | 7.692   | ng/u1  | -0.01    |
| 65) 4,6-Dinitro-2-methylph... | 15.822 | 200  | 51019    | 6.124   | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.569 | 188  | 430600   | 8.047   | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.786 | 212  | 546735   | 8.528   | ng/u1  | -0.01    |
| 92) Benzo(a)pyrene-d12        | 23.916 | 264  | 480036   | 7.930   | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.969 | 128  | 10780899 | 300.922 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.551 | 142  | 1103051  | 43.896  | ng/u1  | 100      |
| 37) 1-Methylnaphthalene       | 12.769 | 142  | 1009259  | 39.960  | ng/u1  | 100      |
| 43) 1,1'-Biphenyl             | 13.551 | 154  | 248459   | 7.239   | ng/u1  | 99       |
| 50) Acenaphthylene            | 14.440 | 152  | 48716    | 1.158   | ng/u1  | 95       |
| 52) Acenaphthene              | 14.781 | 153  | 1395822  | 47.468  | ng/u1  | 99       |
| 56) Dibenzofuran              | 15.110 | 168  | 322600   | 7.541   | ng/u1  | 99       |
| 61) Fluorene                  | 15.763 | 166  | 227326   | 6.411   | ng/u1  | 98       |
| 72) Phenanthrene              | 17.510 | 178  | 254337   | 4.230   | ng/u1  | 98       |
| 77) Carbazole                 | 17.875 | 167  | 1259106  | 23.416  | ng/u1  | 99       |
| -----                         |        |      |          |         |        |          |

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

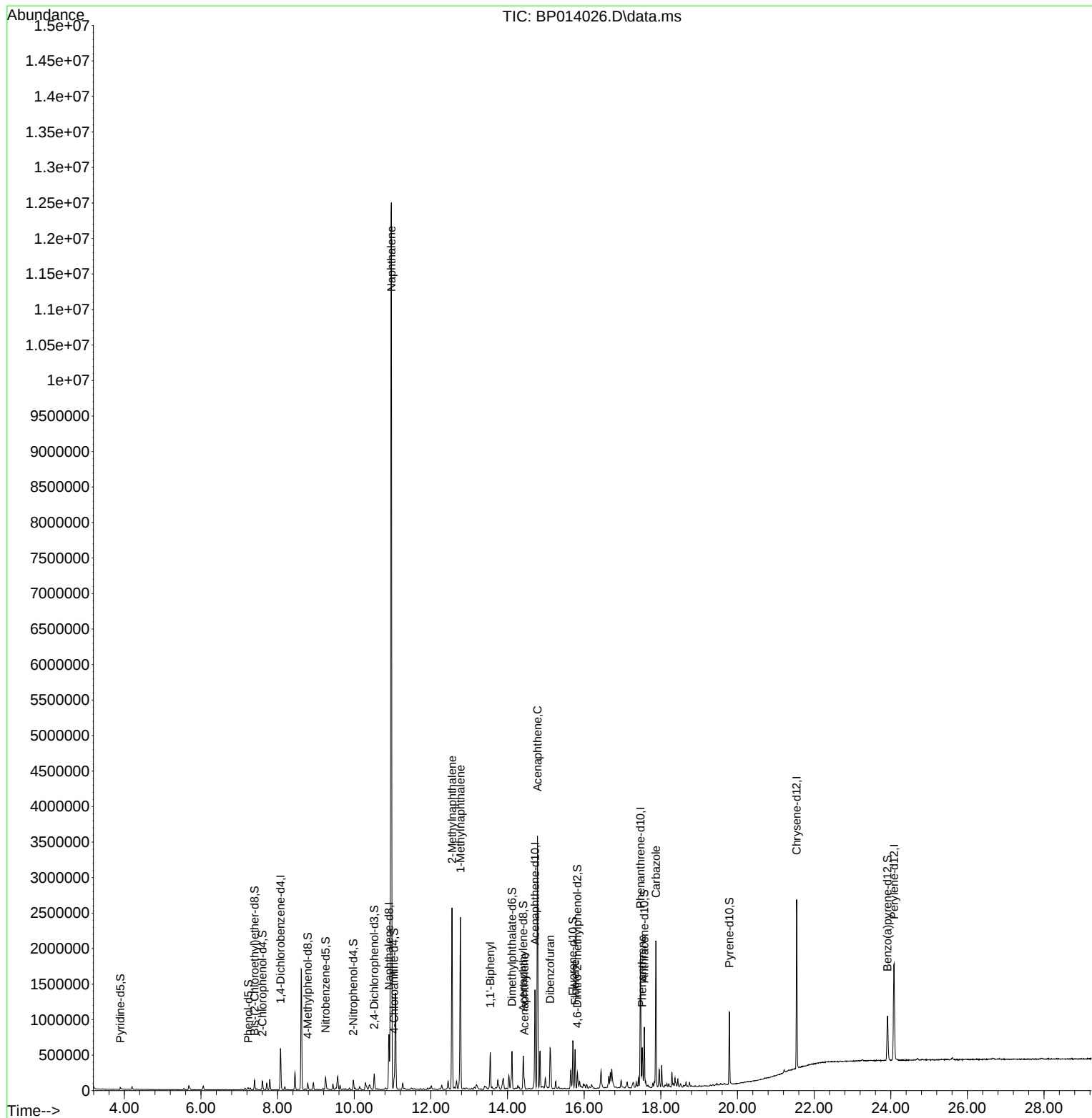
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031023\  
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ALS Vial : 6 Sample Multiplier: 1

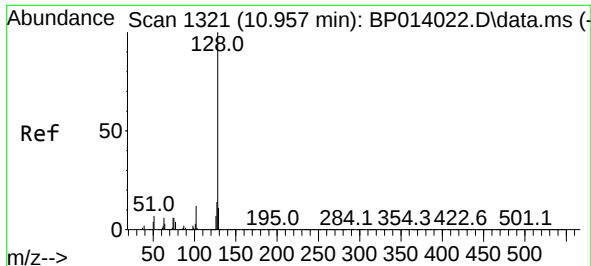
Instrument :  
BNA\_P  
ClientSampleId :  
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Quant Time: Mar 10 21:28:45 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP030723.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Mar 09 01:10:12 2023  
Response via : Initial Calibration

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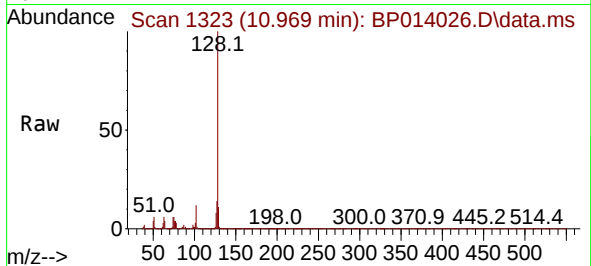
Reviewed By : Christian Giraldo 03/13/2023  
Supervised By : Jagrut Upadhyay 03/13/2023





#30  
Naphthalene  
Concen: 300.922 ng/ul  
RT: 10.969 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38

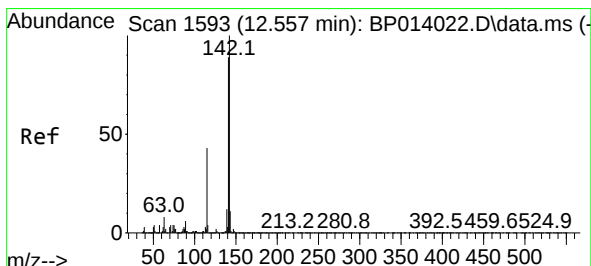
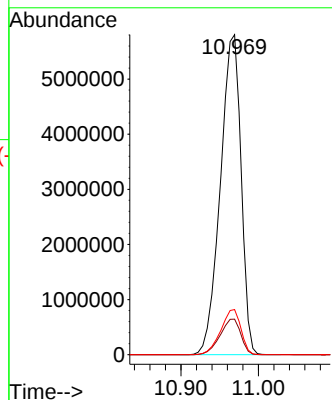
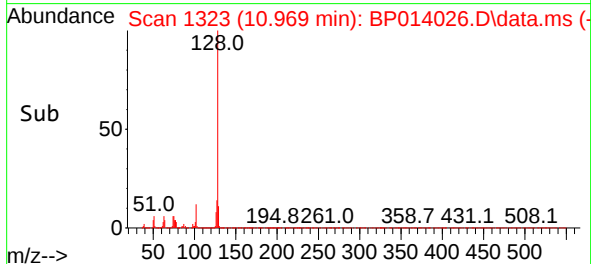
Instrument :  
BNA\_P  
ClientSampleId :  
DCAC3DL



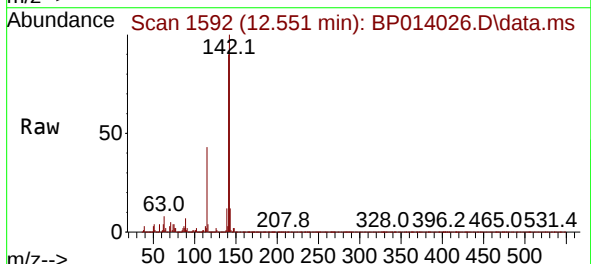
Tgt Ion:128 Resp:1078089  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.5 12.7  
127 14.1 11.0 16.4

Manual Integrations  
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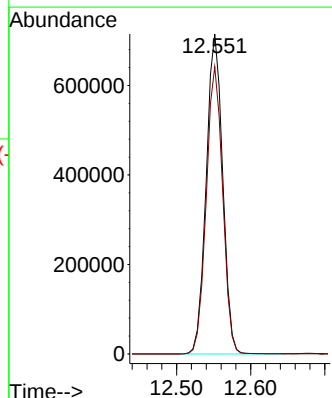
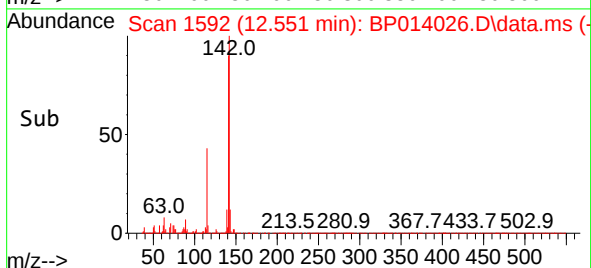
Reviewed By :Christian Giraldo 03/13/2023  
Supervised By :Jagrut Upadhyay 03/13/2023

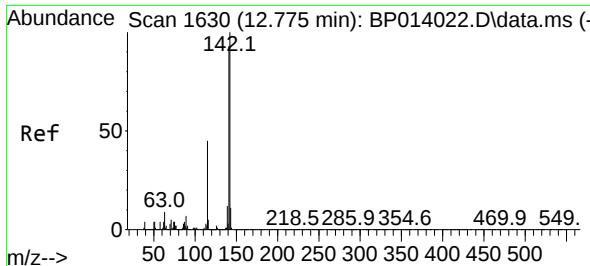


#36  
2-Methylnaphthalene  
Concen: 43.896 ng/ul  
RT: 12.551 min Scan# 1592  
Delta R.T. -0.006 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38



Tgt Ion:142 Resp: 1103051  
Ion Ratio Lower Upper  
142 100  
141 89.8 71.7 107.5





#37

1-Methylnaphthalene

Concen: 39.960 ng/ul

RT: 12.769 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BP014026.D

Acq: 10 Mar 2023 12:38

Instrument :

BNA\_P

ClientSampleId :

DCAC3DL

Tgt Ion:142 Resp: 100925

Ion Ratio Lower Upper

142 100

141 92.3 73.8 110.6

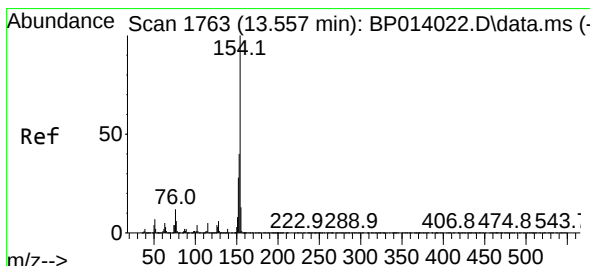
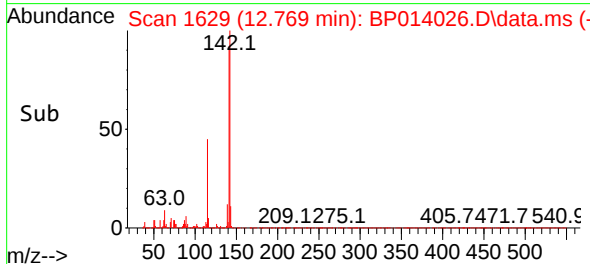
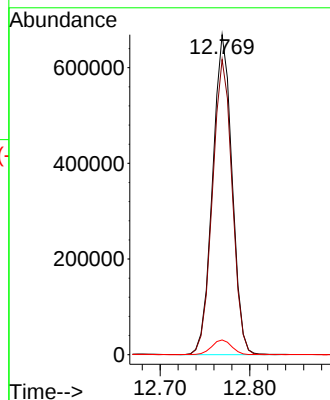
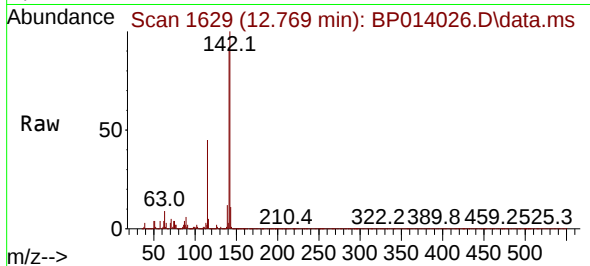
116 4.6 3.7 5.5

Manual Integrations

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#43

1,1'-Biphenyl

Concen: 7.239 ng/ul

RT: 13.551 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BP014026.D

Acq: 10 Mar 2023 12:38

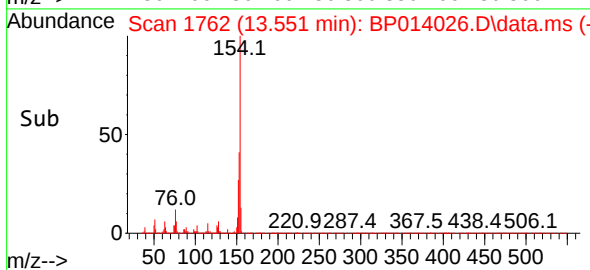
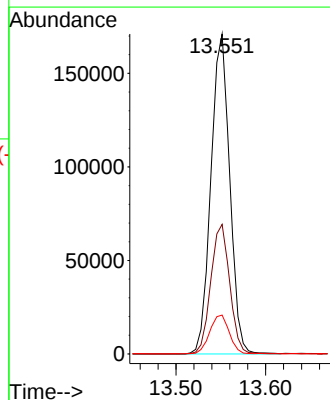
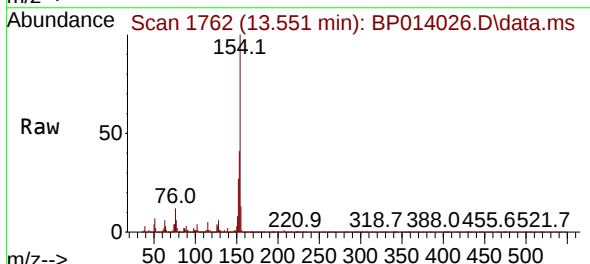
Tgt Ion:154 Resp: 248459

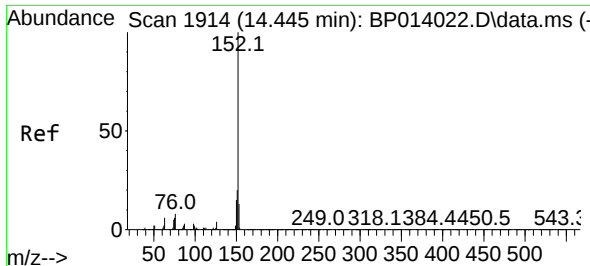
Ion Ratio Lower Upper

154 100

153 40.5 32.6 49.0

76 12.1 9.4 14.0





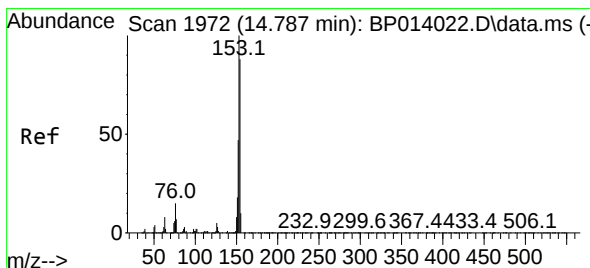
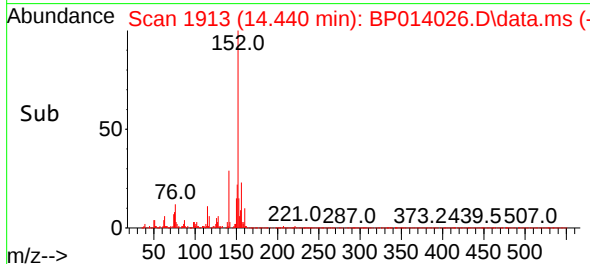
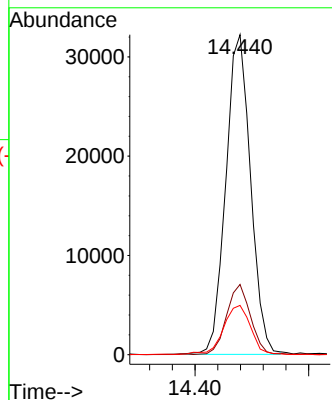
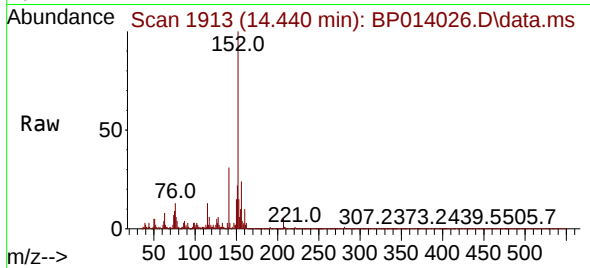
#50  
Acenaphthylene  
Concen: 1.158 ng/ul  
RT: 14.440 min Scan# 1914  
Delta R.T. -0.006 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38

Instrument : BNA\_P  
ClientSampleId : DCAC3DL

Tgt Ion:152 Resp: 48710  
Ion Ratio Lower Upper  
152 100  
151 22.0 16.2 24.2  
153 15.4 10.4 15.6

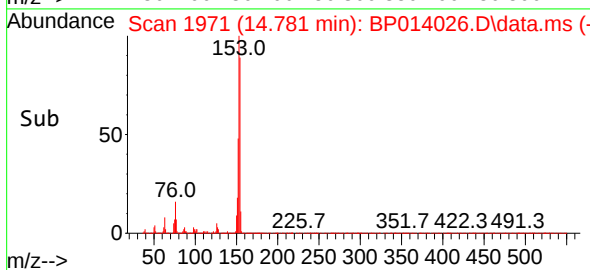
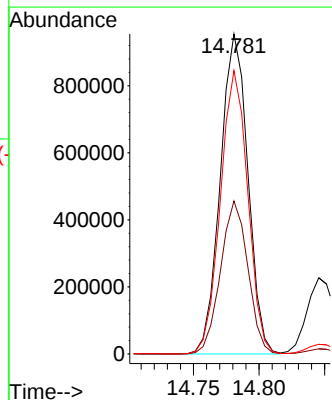
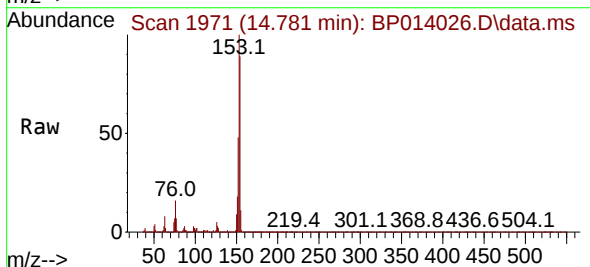
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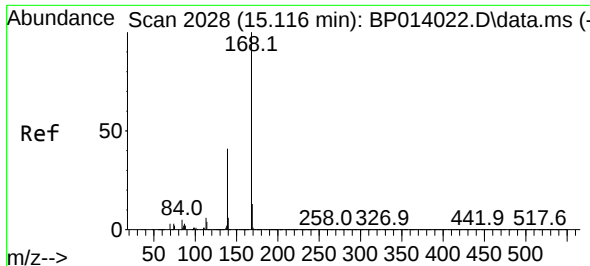
Reviewed By :Christian Giraldo 03/13/2023  
Supervised By :Jagrut Upadhyay 03/13/2023



#52  
Acenaphthene  
Concen: 47.468 ng/ul  
RT: 14.781 min Scan# 1971  
Delta R.T. -0.006 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38

Tgt Ion:153 Resp: 1395822  
Ion Ratio Lower Upper  
153 100  
152 47.8 37.7 56.5  
154 88.5 70.4 105.6





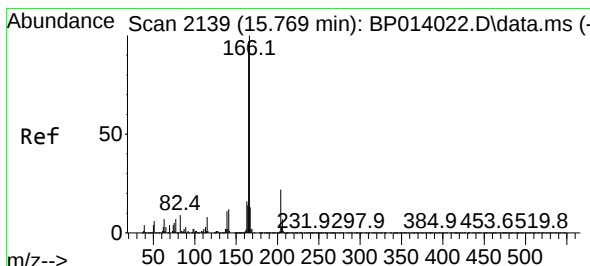
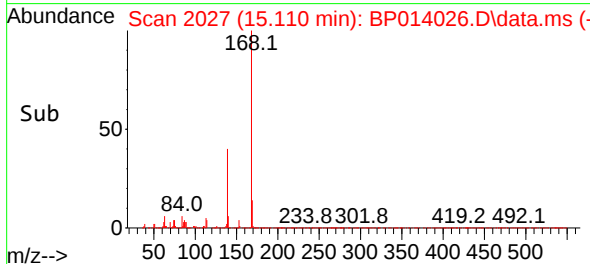
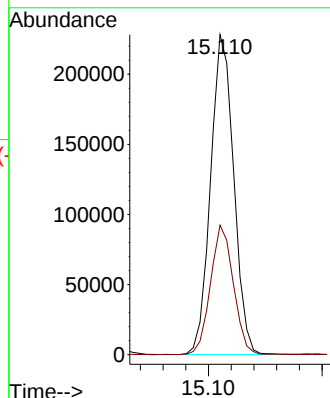
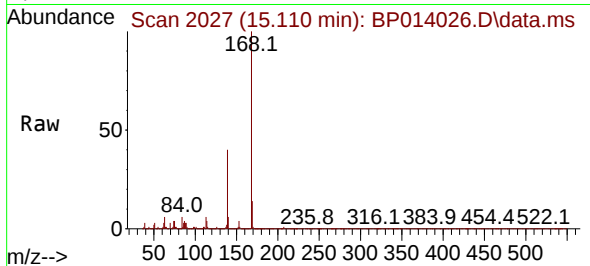
#56  
Dibenzofuran  
Concen: 7.541 ng/ul  
RT: 15.110 min Scan# 2028  
Delta R.T. -0.012 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38

Instrument :  
BNA\_P  
ClientSampleId :  
DCAC3DL

Tgt Ion:168 Resp: 322600  
Ion Ratio Lower Upper  
168 100  
139 40.4 31.8 47.6

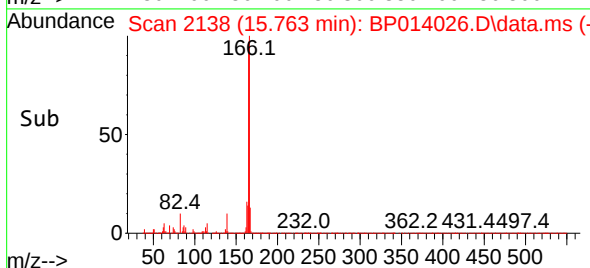
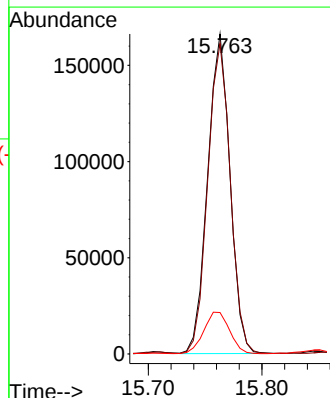
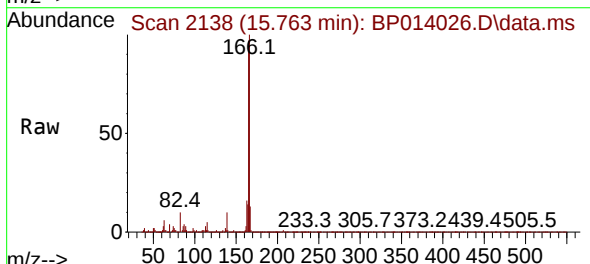
Manual Integrations  
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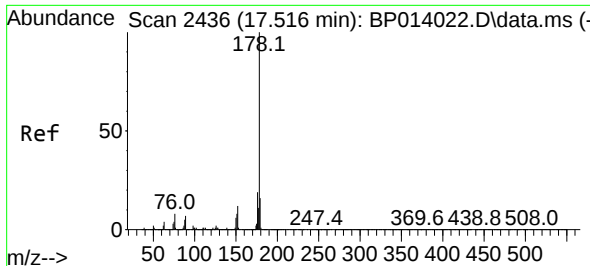
Reviewed By :Christian Giraldo 03/13/2023  
Supervised By :Jagrut Upadhyay 03/13/2023



#61  
Fluorene  
Concen: 6.411 ng/ul  
RT: 15.763 min Scan# 2138  
Delta R.T. -0.006 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38

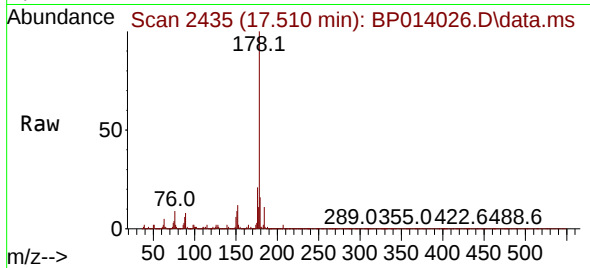
Tgt Ion:166 Resp: 227326  
Ion Ratio Lower Upper  
166 100  
165 97.1 78.9 118.3  
167 13.0 11.0 16.6





#72  
Phenanthrene  
Concen: 4.230 ng/ul  
RT: 17.510 min Scan# 2435  
Delta R.T. -0.012 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38

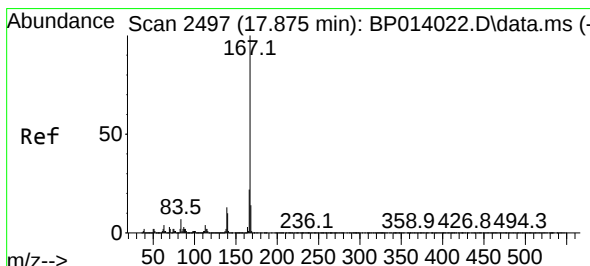
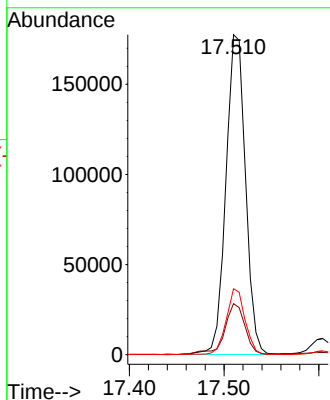
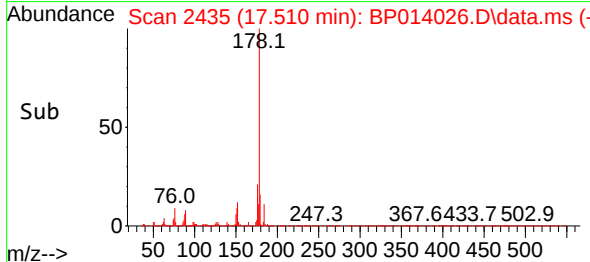
Instrument :  
BNA\_P  
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DCAC3DL



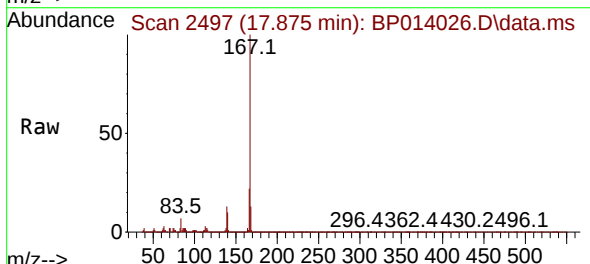
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Ion Ratio Lower Upper  
178 100  
179 16.0 12.2 18.4  
176 20.6 15.4 23.0

Manual Integrations  
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Supervised By :Jagrut Upadhyay 03/13/2023



#77  
Carbazole  
Concen: 23.416 ng/ul  
RT: 17.875 min Scan# 2497  
Delta R.T. -0.000 min  
Lab File: BP014026.D  
Acq: 10 Mar 2023 12:38



Tgt Ion:167 Resp: 1259106  
Ion Ratio Lower Upper  
167 100  
166 22.1 17.5 26.3  
139 13.4 10.5 15.7

