

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP080723\  
 Data File : BP016524.D  
 Acq On : 07 Aug 2023 18:33  
 Operator : MA/JU  
 Sample : 03889-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 C0AF1

Quant Time: Aug 08 02:25:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP080423.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 04 15:15:50 2023  
 Response via : Initial Calibration

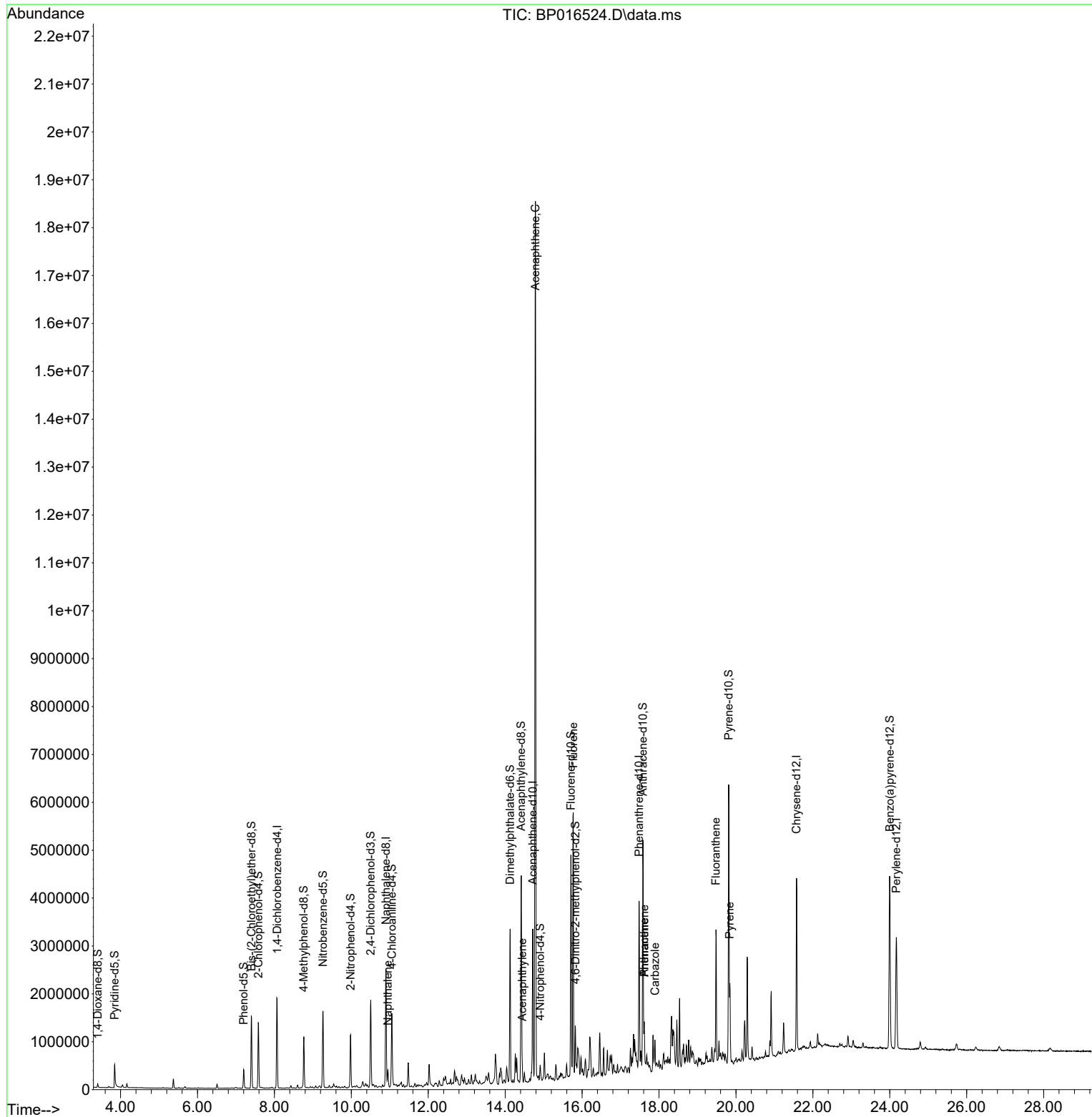
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.069  | 152  | 517200   | 20.000  | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.899 | 136  | 2003178  | 20.000  | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.716 | 164  | 1058305  | 20.000  | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.481 | 188  | 2050184  | 20.000  | ng/ul  | 0.00     |
| 79) Chrysene-d12              | 21.574 | 240  | 1659654  | 20.000  | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.168 | 264  | 1879511  | 20.000  | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.405  | 96   | 40718    | 2.855   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.846  | 84   | 320380   | 8.646   | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.199  | 99   | 225437   | 5.574   | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.399  | 67   | 658780   | 26.439  | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.581  | 132  | 638268   | 19.538  | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.763  | 113  | 398351   | 12.772  | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.263  | 128  | 381863   | 26.352  | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.981  | 143  | 343686   | 25.422  | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.504 | 165  | 643903   | 23.407  | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.052 | 131  | 819686   | 20.212  | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.128 | 166  | 2047241  | 27.974  | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.416 | 160  | 2447343  | 27.772  | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.910 | 143  | 58016    | 4.210   | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.710 | 176  | 1771633  | 28.193  | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.828 | 200  | 204994   | 22.710  | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.581 | 188  | 2635712  | 29.778  | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.810 | 212  | 2807562  | 30.853  | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.998 | 264  | 2741539  | 30.461  | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 10.951 | 128  | 290581   | 2.799   | ng/ul  | 99       |
| 50) Acenaphthylene            | 14.445 | 152  | 115179   | 1.125   | ng/ul# | 94       |
| 52) Acenaphthene              | 14.787 | 153  | 7941831  | 118.023 | ng/ul  | 98       |
| 61) Fluorene                  | 15.769 | 166  | 2474259  | 34.304  | ng/ul  | 99       |
| 72) Phenanthrene              | 17.616 | 178  | 446837   | 4.180   | ng/ul  | 99       |
| 74) Anthracene                | 17.616 | 178  | 448043   | 4.170   | ng/ul  | 99       |
| 77) Carbazole                 | 17.892 | 167  | 375165   | 4.026   | ng/ul  | 99       |
| 80) Fluoranthene              | 19.480 | 202  | 1575405  | 14.518  | ng/ul  | 98       |
| 82) Pyrene                    | 19.839 | 202  | 859598   | 7.496   | ng/ul  | 100      |

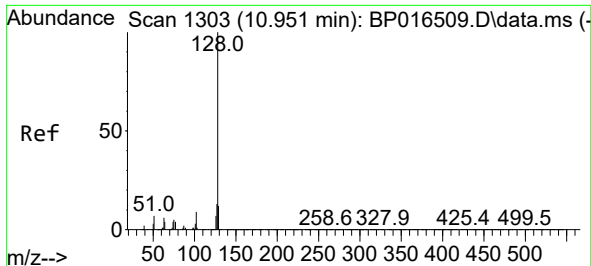
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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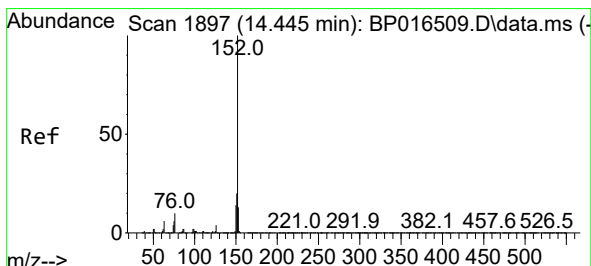
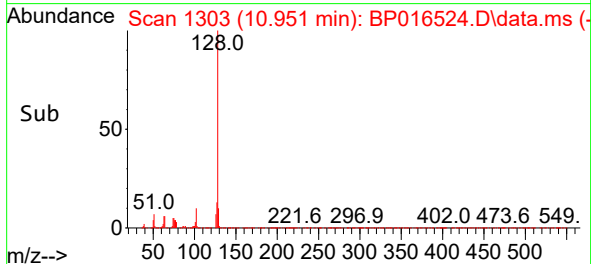
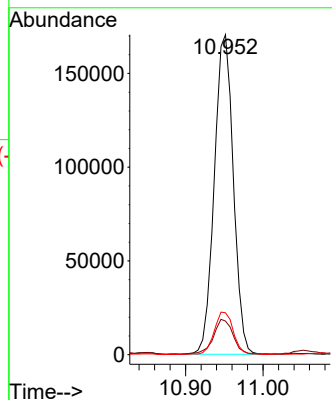
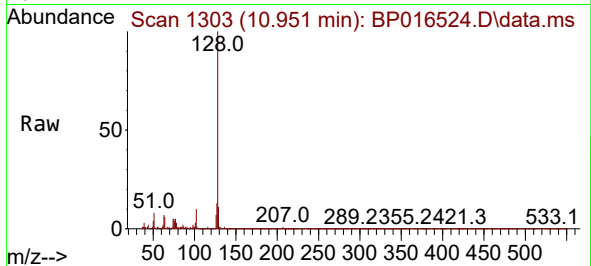




#30  
Naphthalene  
Concen: 2.799 ng/ul  
RT: 10.951 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP016524.D  
Acq: 07 Aug 2023 18:33

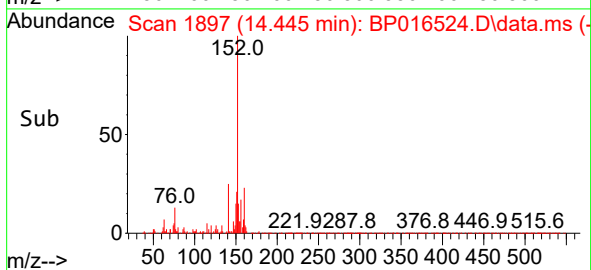
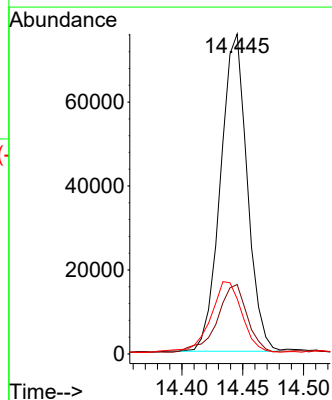
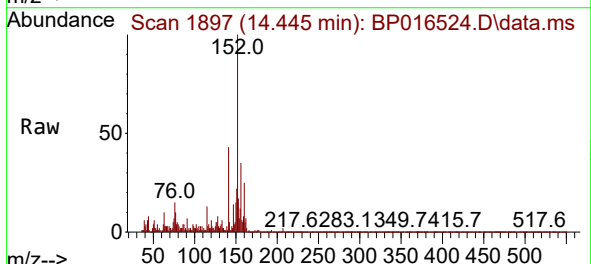
Instrument :  
BNA\_P  
ClientSampleId :  
C0AF1

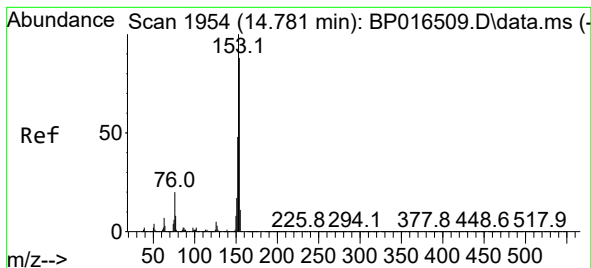
Tgt Ion:128 Resp: 290581  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.8 13.2  
127 13.1 10.3 15.5



#50  
Acenaphthylene  
Concen: 1.125 ng/ul  
RT: 14.445 min Scan# 1897  
Delta R.T. 0.000 min  
Lab File: BP016524.D  
Acq: 07 Aug 2023 18:33

Tgt Ion:152 Resp: 115179  
Ion Ratio Lower Upper  
152 100  
151 21.7 15.8 23.8  
153 17.3 10.7 16.1#





#52

Acenaphthene

Concen: 118.023 ng/ul

RT: 14.787 min Scan# 1954

Delta R.T. 0.006 min

Lab File: BP016524.D

Acq: 07 Aug 2023 18:33

Instrument :

BNA\_P

ClientSampleId :

C0AF1

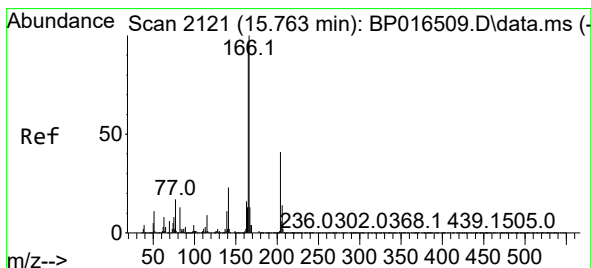
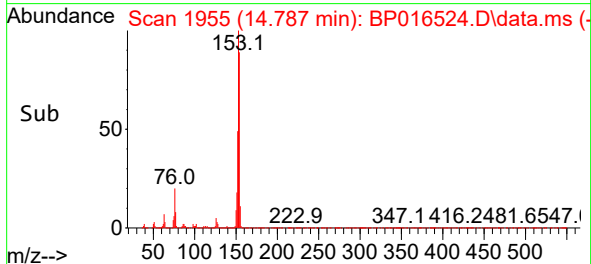
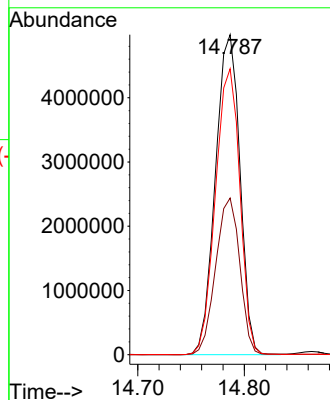
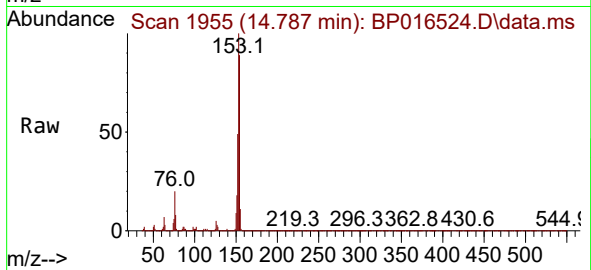
Tgt Ion:153 Resp: 7941831

Ion Ratio Lower Upper

153 100

152 48.9 37.8 56.8

154 89.4 70.2 105.4



#61

Fluorene

Concen: 34.304 ng/ul

RT: 15.769 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BP016524.D

Acq: 07 Aug 2023 18:33

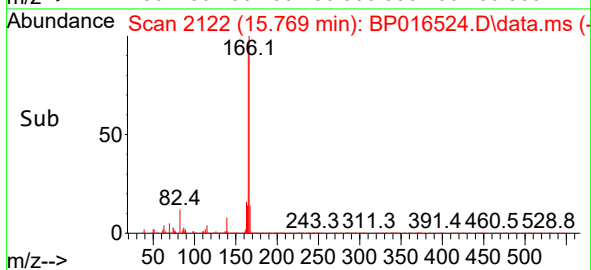
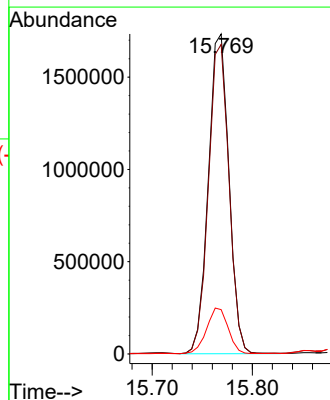
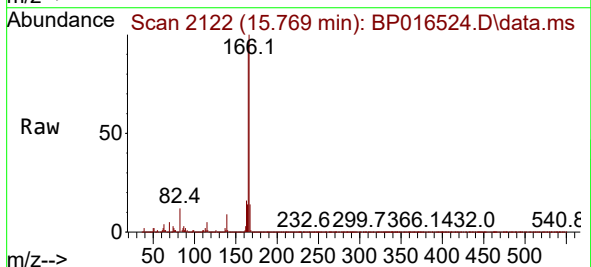
Tgt Ion:166 Resp: 2474259

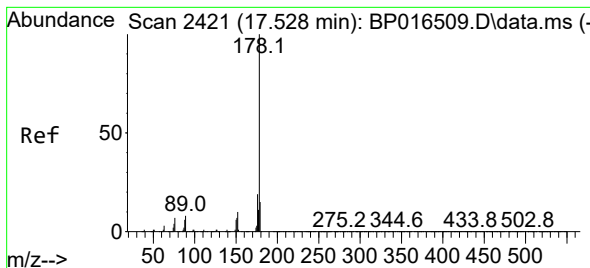
Ion Ratio Lower Upper

166 100

165 96.8 78.5 117.7

167 13.9 10.4 15.6





#72

Phenanthrene

Concen: 4.180 ng/ul

RT: 17.616 min Scan# 2436

Delta R.T. 0.088 min

Lab File: BP016524.D

Acq: 07 Aug 2023 18:33

Instrument :

BNA\_P

ClientSampleId :

C0AF1

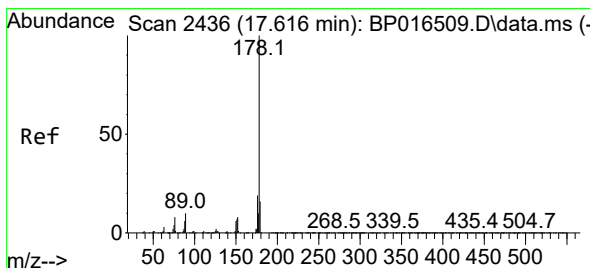
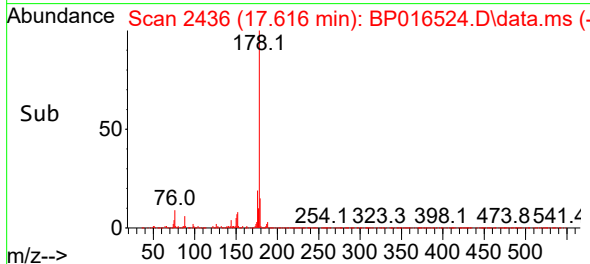
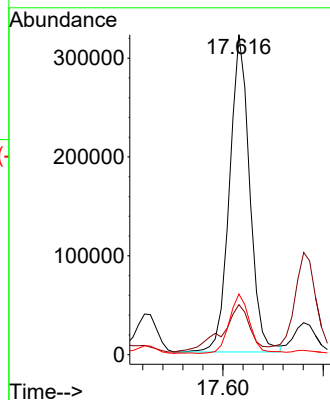
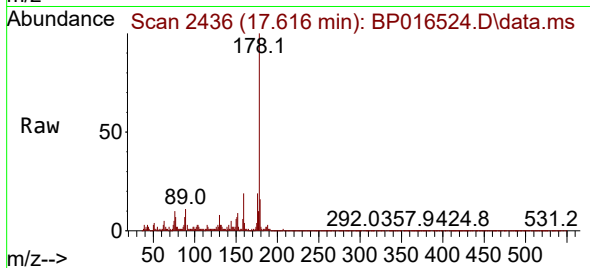
Tgt Ion:178 Resp: 446837

Ion Ratio Lower Upper

178 100

179 15.6 12.7 19.1

176 19.0 15.6 23.4



#74

Anthracene

Concen: 4.170 ng/ul

RT: 17.616 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP016524.D

Acq: 07 Aug 2023 18:33

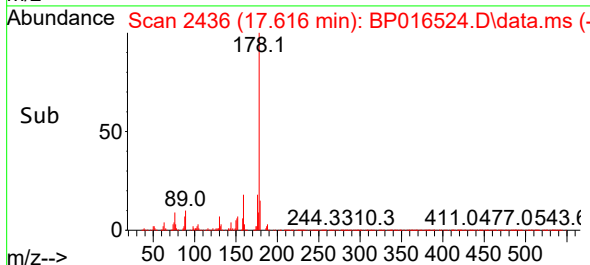
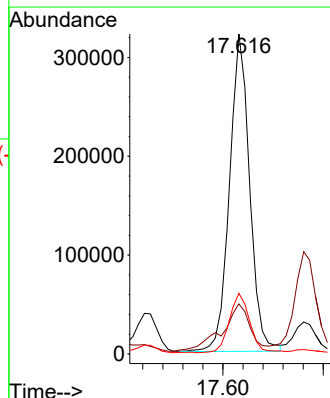
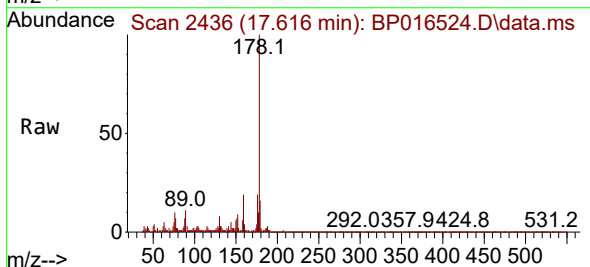
Tgt Ion:178 Resp: 448043

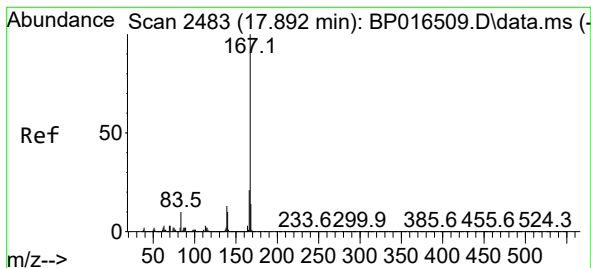
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

176 19.0 14.7 22.1





#77

Carbazole

Concen: 4.026 ng/ul

RT: 17.892 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BP016524.D

Acq: 07 Aug 2023 18:33

Instrument :

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ClientSampleId :

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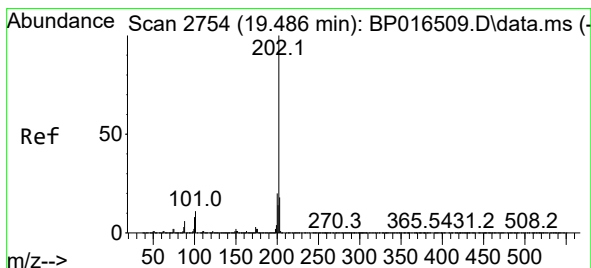
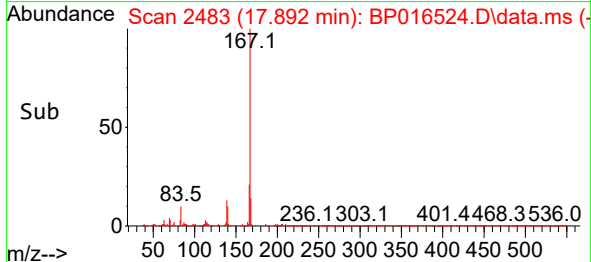
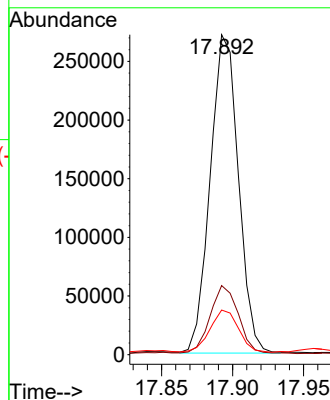
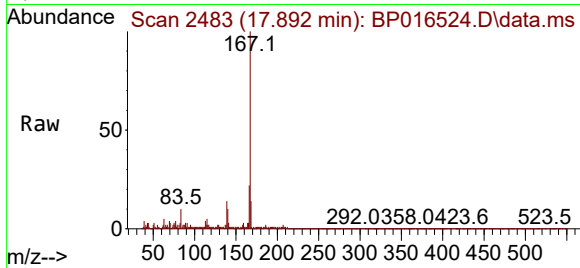
Tgt Ion:167 Resp: 375165

Ion Ratio Lower Upper

167 100

166 21.6 17.2 25.8

139 14.0 10.5 15.7



#80

Fluoranthene

Concen: 14.518 ng/ul

RT: 19.480 min Scan# 2753

Delta R.T. -0.006 min

Lab File: BP016524.D

Acq: 07 Aug 2023 18:33

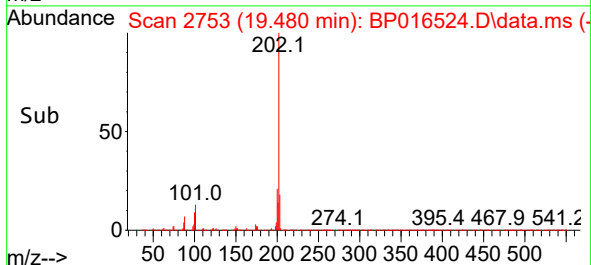
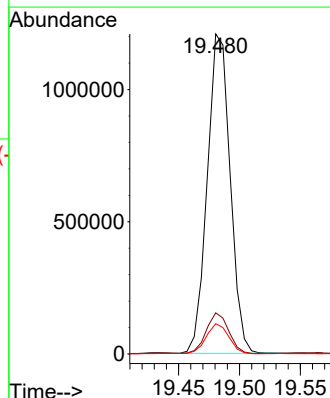
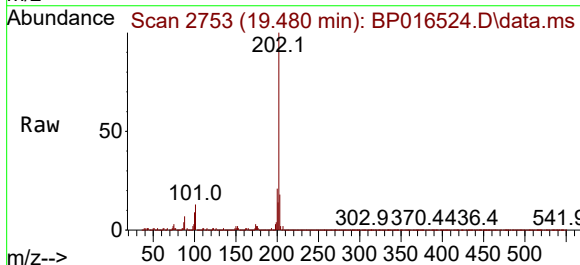
Tgt Ion:202 Resp: 1575405

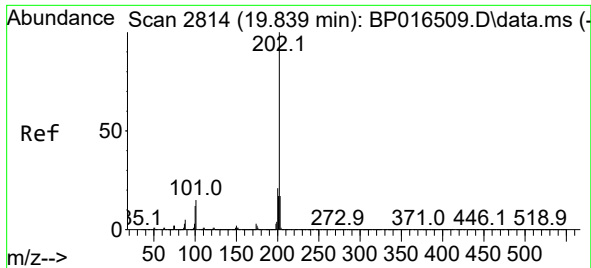
Ion Ratio Lower Upper

202 100

101 12.8 9.5 14.3

100 9.4 7.3 10.9





#82  
 Pyrene  
 Concen: 7.496 ng/ul  
 RT: 19.839 min Scan# 2814  
 Delta R.T. 0.000 min  
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Tgt Ion:202 Resp: 859598  
 Ion Ratio Lower Upper  
 202 100  
 101 15.0 12.1 18.1  
 100 11.9 9.8 14.6

