

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042023\  
 Data File : BP014759.D  
 Acq On : 20 Apr 2023 16:51  
 Operator : CG/JU  
 Sample : 02296-06DL 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Apr 20 22:40:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041823.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 20 02:32:50 2023  
 Response via : Initial Calibration

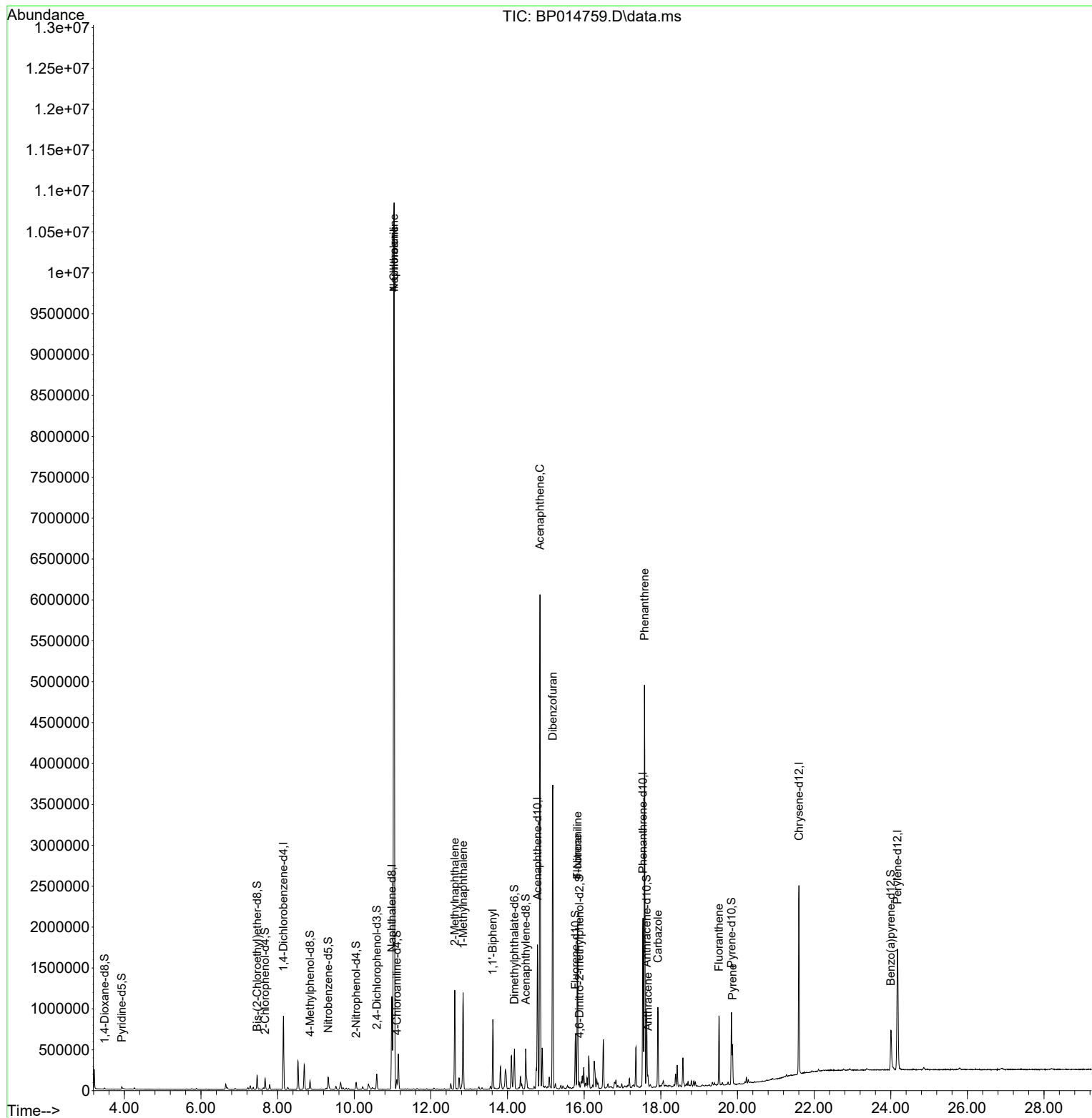
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.152  | 152  | 237678   | 20.000  | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.981 | 136  | 969022   | 20.000  | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.781 | 164  | 584166   | 20.000  | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.534 | 188  | 1227246  | 20.000  | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.604 | 240  | 1097537  | 20.000  | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.174 | 264  | 1228298  | 20.000  | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 3) 1,4-Dioxane-d8             | 3.487  | 96   | 6033     | 1.009   | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.934  | 84   | 20654    | 1.269   | ng/u1  | 0.02     |
| 7) Phenol-d5                  | 7.287  | 99   | 19965    | 0.972   | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.464  | 67   | 72633    | 5.729   | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.675  | 132  | 59272    | 3.884   | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.846  | 113  | 37818    | 2.361   | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.322  | 128  | 34746    | 5.722   | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.052 | 143  | 26567    | 4.844   | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.587 | 165  | 65921    | 4.427   | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.110 | 131  | 64135    | 2.822   | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.181 | 166  | 289326   | 6.255   | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.475 | 160  | 296457   | 5.530   | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.946 | 143  | 4439     | 0.603   | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.769 | 176  | 244748   | 6.167   | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.875 | 200  | 14902    | 3.001   | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.628 | 188  | 377724   | 6.371   | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.845 | 212  | 425112   | 6.762   | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.004 | 264  | 383871   | 6.030   | ng/u1  | -0.01    |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 30) Naphthalene               | 11.040 | 128  | 9927696  | 182.803 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 11.040 | 127  | 1323019  | 57.460  | ng/u1# | 11       |
| 36) 2-Methylnaphthalene       | 12.622 | 142  | 531944   | 14.672  | ng/u1  | 100      |
| 37) 1-Methylnaphthalene       | 12.840 | 142  | 521014   | 14.496  | ng/u1  | 99       |
| 43) 1,1'-Biphenyl             | 13.616 | 154  | 411895   | 8.695   | ng/u1  | 99       |
| 52) Acenaphthene              | 14.846 | 153  | 2471512  | 62.394  | ng/u1  | 99       |
| 56) Dibenzofuran              | 15.181 | 168  | 2287574  | 41.032  | ng/u1  | 97       |
| 61) Fluorene                  | 15.828 | 166  | 876347   | 19.257  | ng/u1  | 99       |
| 63) 4-Nitroaniline            | 15.828 | 138  | 9471     | 1.311   | ng/u1# | 20       |
| 72) Phenanthrene              | 17.575 | 178  | 2881110  | 41.655  | ng/u1  | 99       |
| 74) Anthracene                | 17.663 | 178  | 80544    | 1.149   | ng/u1  | 96       |
| 77) Carbazole                 | 17.922 | 167  | 570194   | 9.263   | ng/u1  | 99       |
| 80) Fluoranthene              | 19.516 | 202  | 490949   | 6.712   | ng/u1  | 99       |
| 82) Pyrene                    | 19.869 | 202  | 278371   | 3.596   | ng/u1  | 100      |
| -----                         |        |      |          |         |        |          |

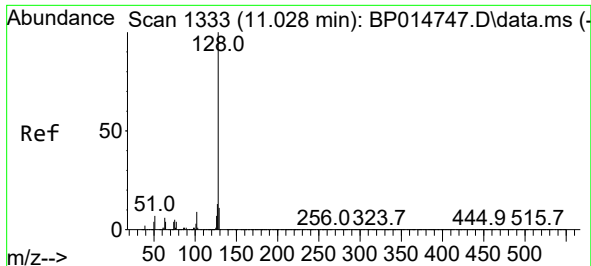
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_P  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP041823.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 20 02:32:50 2023  
Response via : Initial Calibration

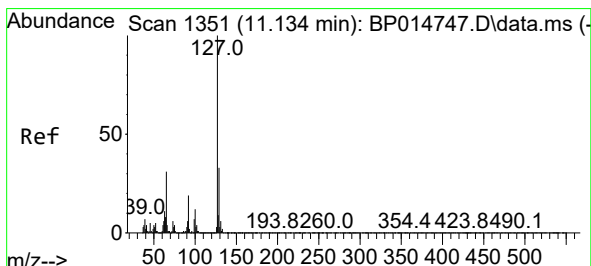
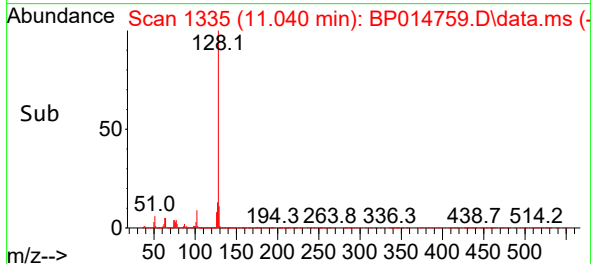
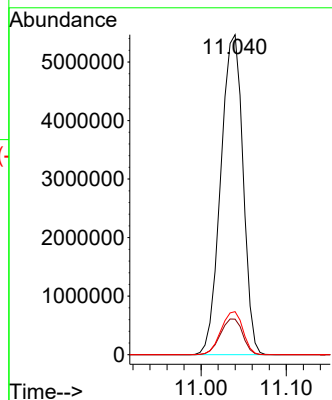
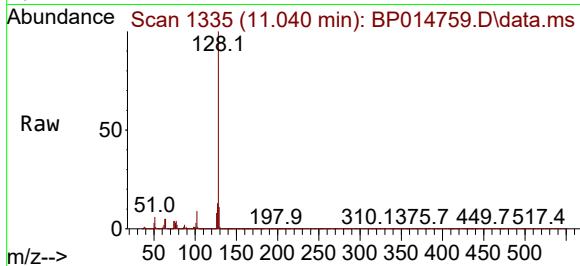




#30  
Naphthalene  
Concen: 182.803 ng/ul  
RT: 11.040 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

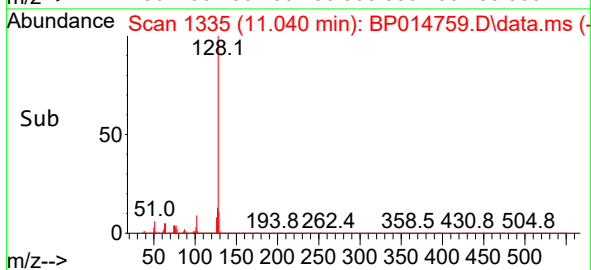
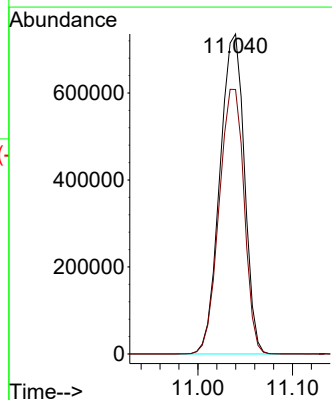
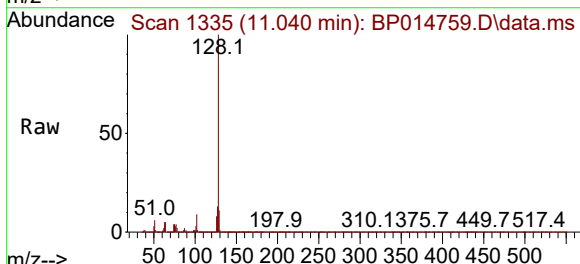
Instrument :  
BNA\_P  
ClientSampleId :

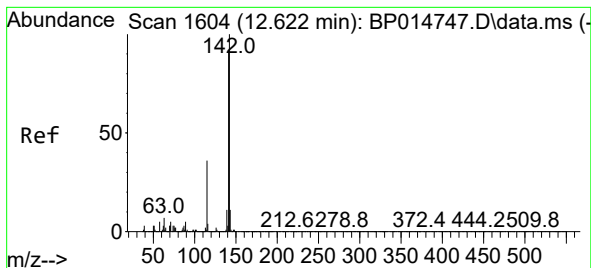
Tgt Ion:128 Resp: 9927696  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.5 10.4 15.6



#32  
4-Chloroaniline  
Concen: 57.460 ng/ul  
RT: 11.040 min Scan# 1335  
Delta R.T. -0.094 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

Tgt Ion:127 Resp: 1323019  
Ion Ratio Lower Upper  
127 100  
129 82.7 26.0 39.0#

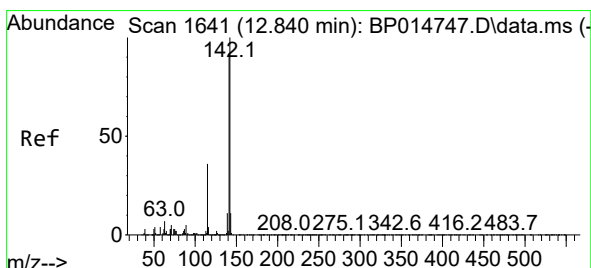
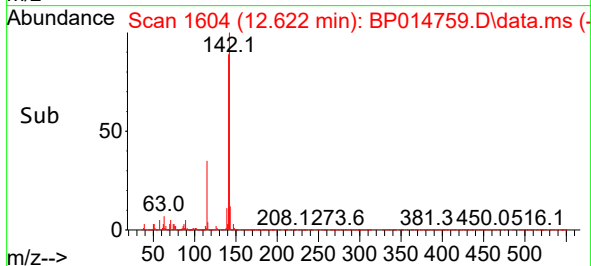
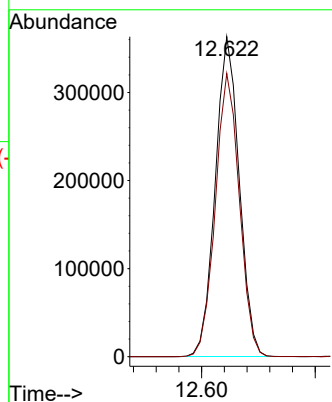
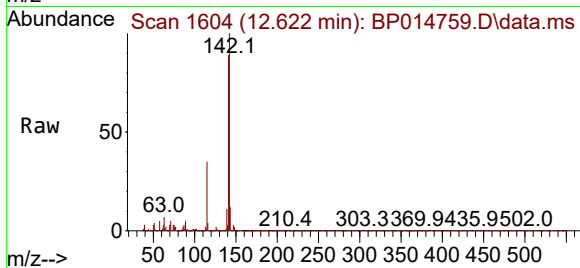




#36  
2-Methylnaphthalene  
Concen: 14.672 ng/ul  
RT: 12.622 min Scan# 1604  
Delta R.T. -0.006 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

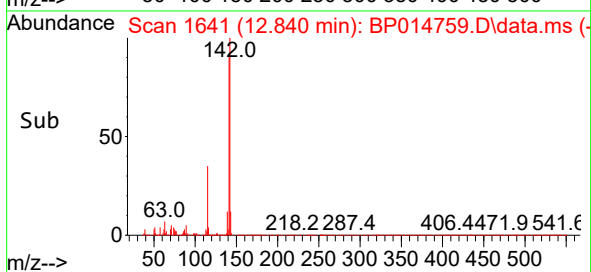
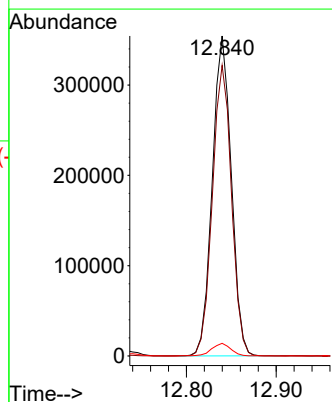
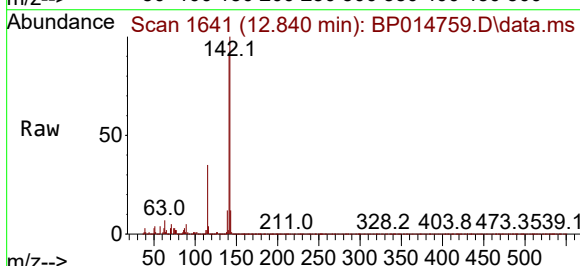
Instrument :  
BNA\_P  
ClientSampleId :

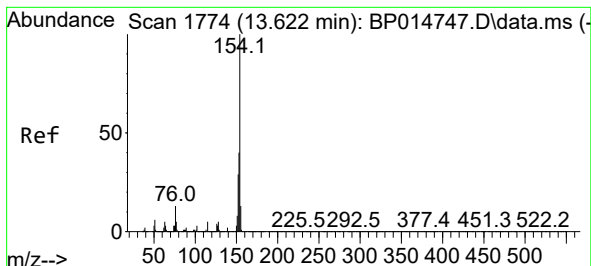
Tgt Ion:142 Resp: 531944  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.9 106.3



#37  
1-Methylnaphthalene  
Concen: 14.496 ng/ul  
RT: 12.840 min Scan# 1641  
Delta R.T. 0.000 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

Tgt Ion:142 Resp: 521014  
Ion Ratio Lower Upper  
142 100  
141 90.8 73.8 110.6  
116 3.9 3.3 4.9





#43

1,1'-Biphenyl

Concen: 8.695 ng/ul

RT: 13.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014759.D

Acq: 20 Apr 2023 16:51

Instrument :

BNA\_P

ClientSampleId :

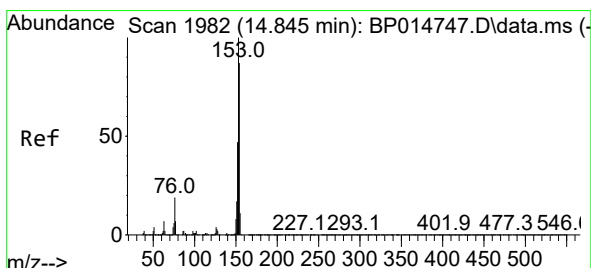
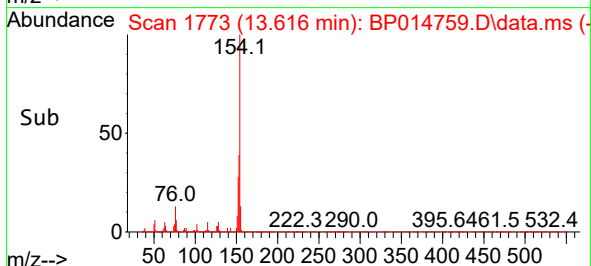
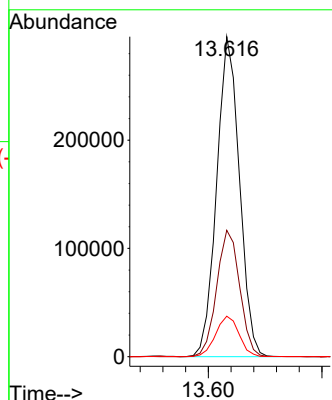
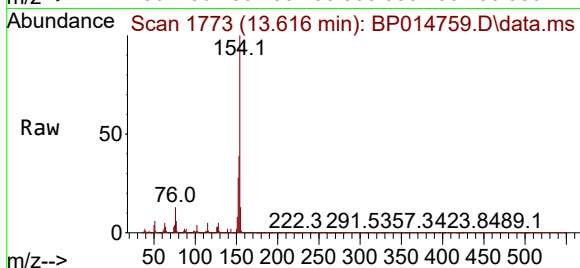
Tgt Ion:154 Resp: 411895

Ion Ratio Lower Upper

154 100

153 39.5 31.9 47.9

76 12.7 10.8 16.2



#52

Acenaphthene

Concen: 62.394 ng/ul

RT: 14.846 min Scan# 1982

Delta R.T. 0.000 min

Lab File: BP014759.D

Acq: 20 Apr 2023 16:51

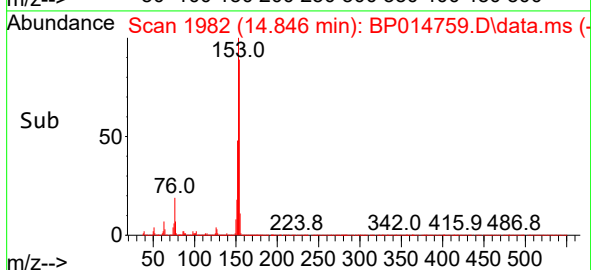
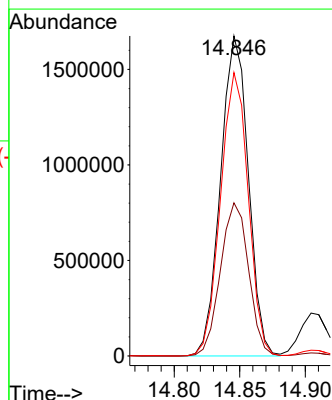
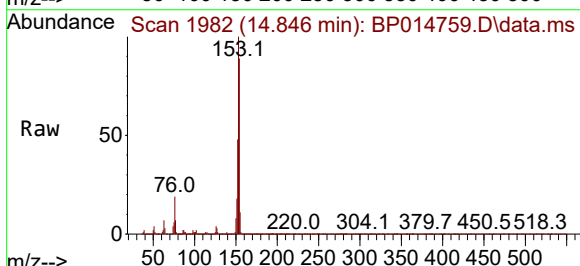
Tgt Ion:153 Resp: 2471512

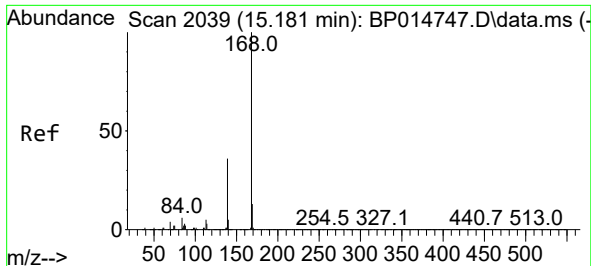
Ion Ratio Lower Upper

153 100

152 47.9 38.4 57.6

154 88.5 69.8 104.8

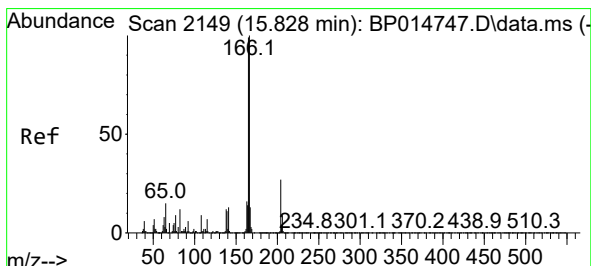
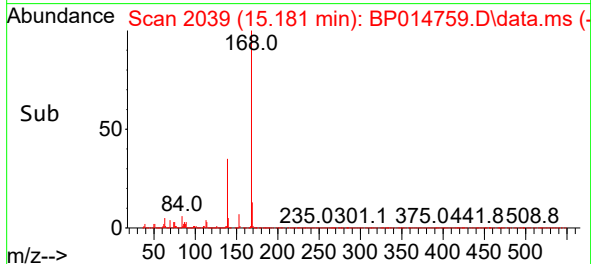
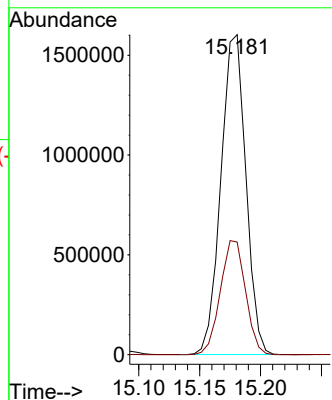
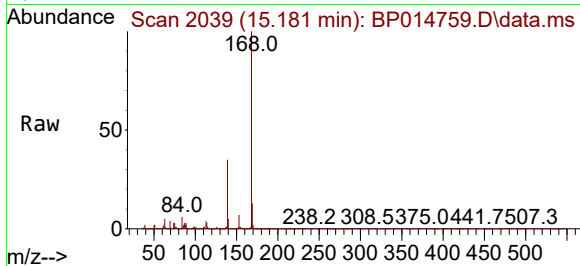




#56  
Dibenzenofuran  
Concen: 41.032 ng/ul  
RT: 15.181 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

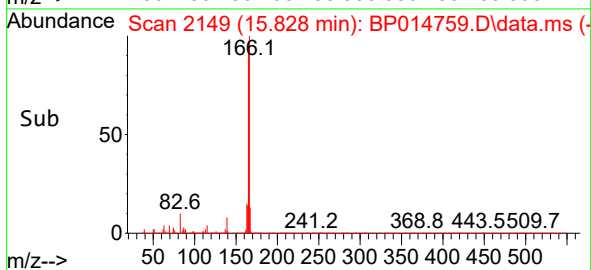
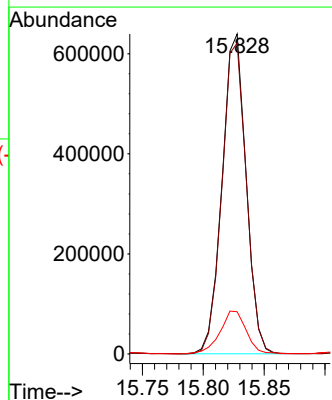
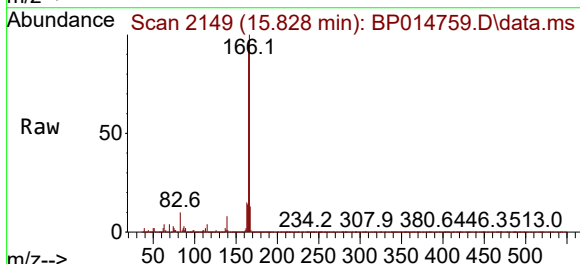
Instrument :  
BNA\_P  
ClientSampleId :

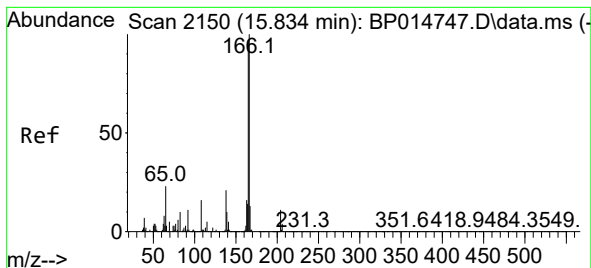
Tgt Ion:168 Resp: 2287574  
Ion Ratio Lower Upper  
168 100  
139 35.2 29.8 44.8



#61  
Fluorene  
Concen: 19.257 ng/ul  
RT: 15.828 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

Tgt Ion:166 Resp: 876347  
Ion Ratio Lower Upper  
166 100  
165 97.1 78.6 117.8  
167 13.2 10.5 15.7





#63

4-Nitroaniline

Concen: 1.311 ng/ul

RT: 15.828 min Scan# 2150

Delta R.T. -0.006 min

Lab File: BP014759.D

Acq: 20 Apr 2023 16:51

Instrument :

BNA\_P

ClientSampleId :

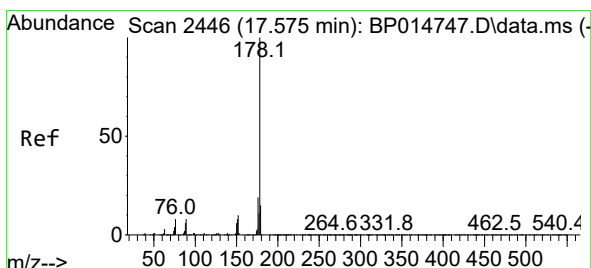
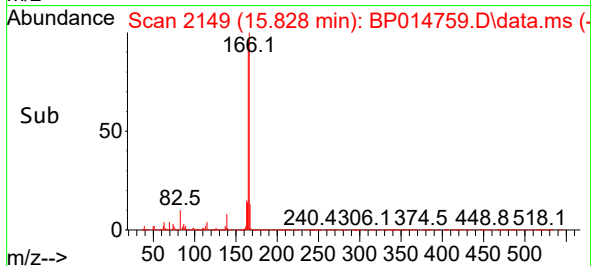
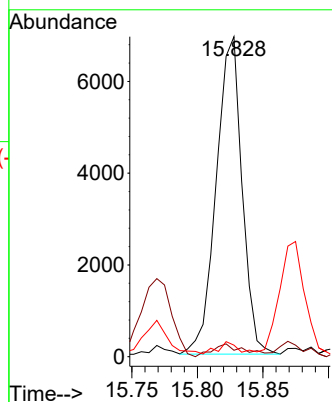
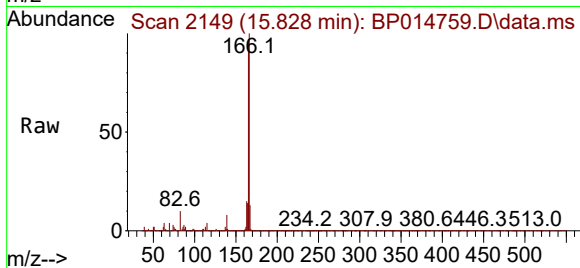
Tgt Ion:138 Resp: 9471

Ion Ratio Lower Upper

138 100

92 2.0 40.9 61.3#

108 3.6 63.8 95.6#



#72

Phenanthrene

Concen: 41.655 ng/ul

RT: 17.575 min Scan# 2446

Delta R.T. 0.000 min

Lab File: BP014759.D

Acq: 20 Apr 2023 16:51

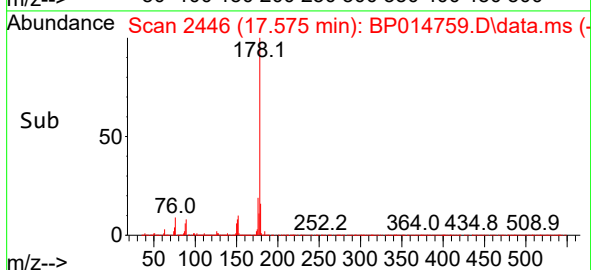
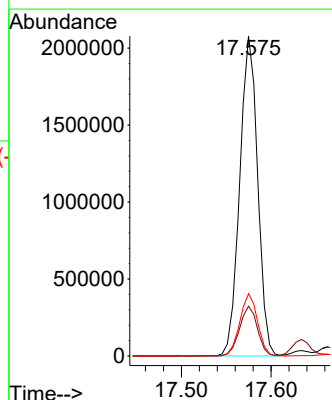
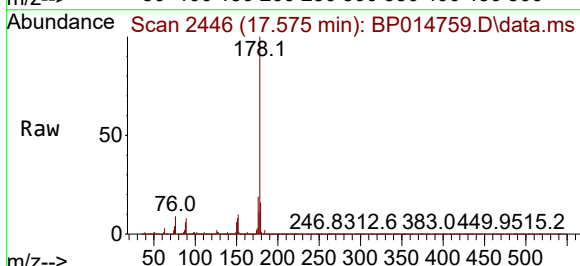
Tgt Ion:178 Resp: 2881110

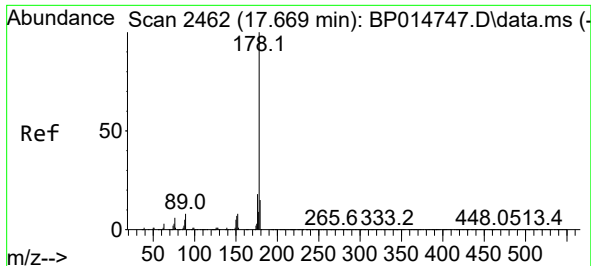
Ion Ratio Lower Upper

178 100

179 15.6 12.1 18.1

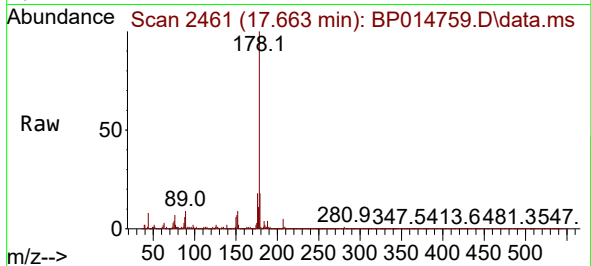
176 19.5 15.3 22.9



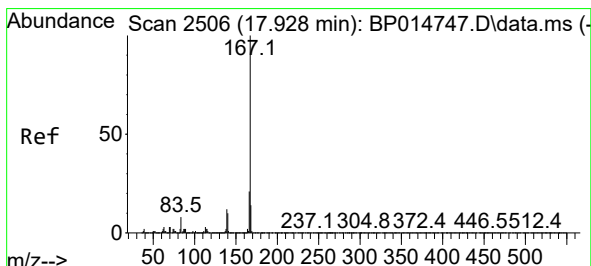
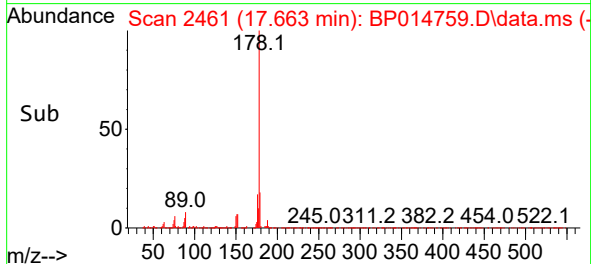
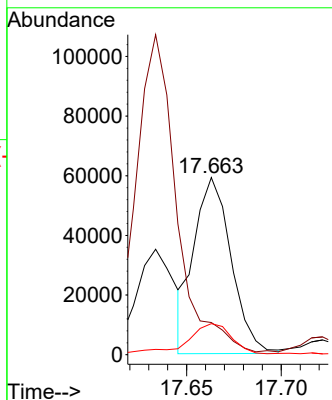


#74  
 Anthracene  
 Concen: 1.149 ng/ul  
 RT: 17.663 min Scan# 2462  
 Delta R.T. -0.006 min  
 Lab File: BP014759.D  
 Acq: 20 Apr 2023 16:51

Instrument :  
 BNA\_P  
 ClientSampleId :

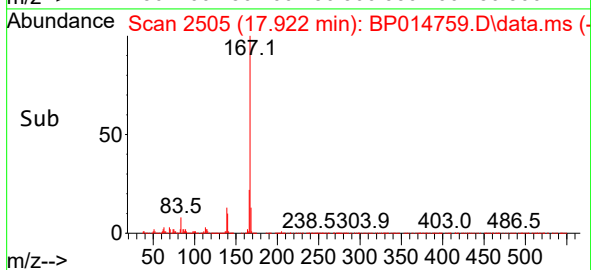
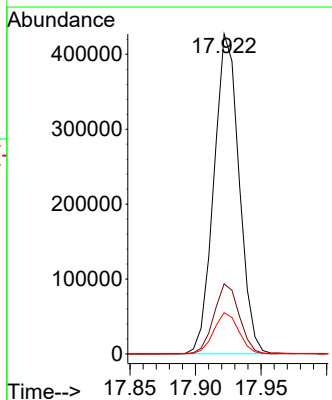
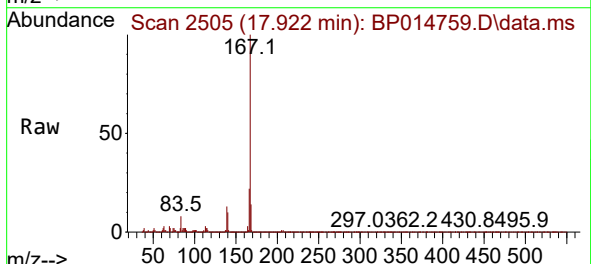


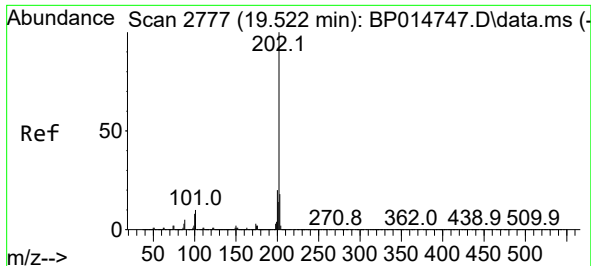
Tgt Ion:178 Resp: 80544  
 Ion Ratio Lower Upper  
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 179 18.1 12.4 18.6  
 176 17.6 15.1 22.7



#77  
 Carbazole  
 Concen: 9.263 ng/ul  
 RT: 17.922 min Scan# 2505  
 Delta R.T. -0.006 min  
 Lab File: BP014759.D  
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Tgt Ion:167 Resp: 570194  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.0 25.4  
 139 12.9 10.2 15.2

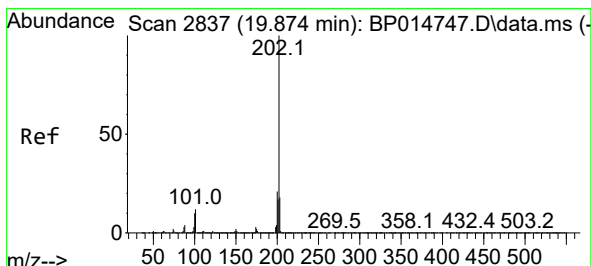
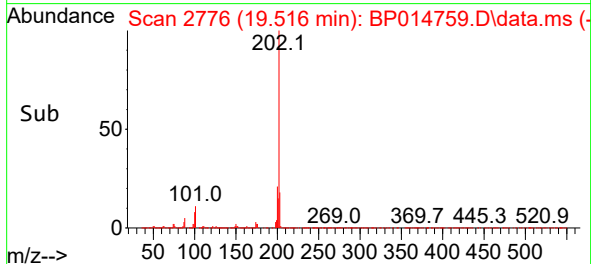
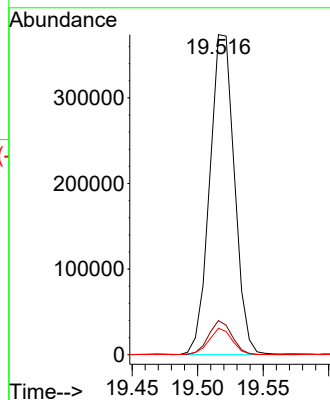
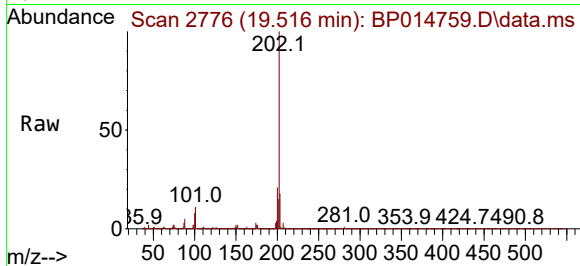




#80  
Fluoranthene  
Concen: 6.712 ng/ul  
RT: 19.516 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

Instrument :  
BNA\_P  
ClientSampleId :

Tgt Ion:202 Resp: 490949  
Ion Ratio Lower Upper  
202 100  
101 10.7 8.4 12.6  
100 8.2 6.4 9.6



#82  
Pyrene  
Concen: 3.596 ng/ul  
RT: 19.869 min Scan# 2836  
Delta R.T. -0.006 min  
Lab File: BP014759.D  
Acq: 20 Apr 2023 16:51

Tgt Ion:202 Resp: 278371  
Ion Ratio Lower Upper  
202 100  
101 12.0 9.4 14.0  
100 9.9 8.0 12.0

