

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
 Data File : BM038193.D  
 Acq On : 22 Dec 2022 11:49  
 Operator : CG/JU  
 Sample : SST0.813  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 22 23:19:22 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 22 23:18:00 2022  
 Response via : Initial Calibration

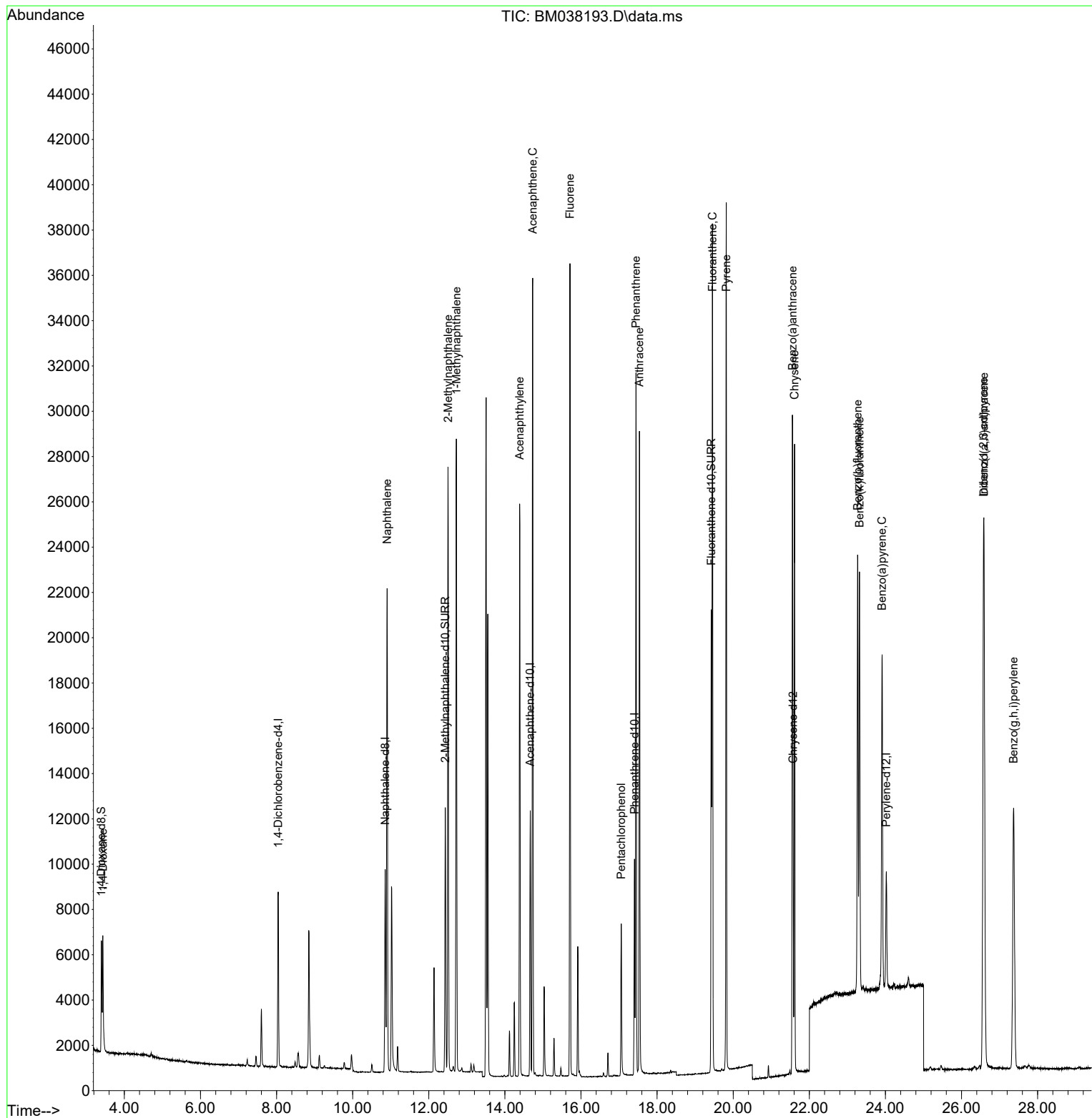
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.042  | 152  | 4092     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.856 | 136  | 11785    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.666 | 164  | 6080     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.405 | 188  | 11095    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.574 | 240  | 7015     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.023 | 264  | 7116     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.397  | 96   | 3463     | 0.619 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.434 | 152  | 14611    | 0.849 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.422 | 212  | 21865    | 0.860 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.435  | 88   | 3269     | 0.648 | ng/ul  | 91       |
| 5) Naphthalene              | 10.906 | 128  | 28913    | 0.810 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.506 | 142  | 18220    | 0.831 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.726 | 142  | 18456    | 0.822 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.388 | 152  | 28137    | 0.883 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.731 | 153  | 20128    | 0.833 | ng/ul  | 99       |
| 12) Fluorene                | 15.712 | 166  | 21733    | 0.812 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.058 | 266  | 4440     | 0.967 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.447 | 178  | 31169    | 0.834 | ng/ul  | 99       |
| 16) Anthracene              | 17.535 | 178  | 30221    | 0.875 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.454 | 202  | 31436    | 0.868 | ng/ul  | 99       |
| 20) Pyrene                  | 19.817 | 202  | 31475    | 0.851 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.556 | 228  | 24388    | 0.805 | ng/ul  | 100      |
| 22) Chrysene                | 21.612 | 228  | 23508    | 0.769 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.269 | 252  | 25388    | 0.752 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.319 | 252  | 24349    | 0.748 | ng/ul  | 93       |
| 26) Benzo(a)pyrene          | 23.912 | 252  | 22119    | 0.778 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.579 | 276  | 30870    | 0.865 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.592 | 278  | 24073    | 0.866 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.367 | 276  | 25993    | 0.858 | ng/ul  | 98       |

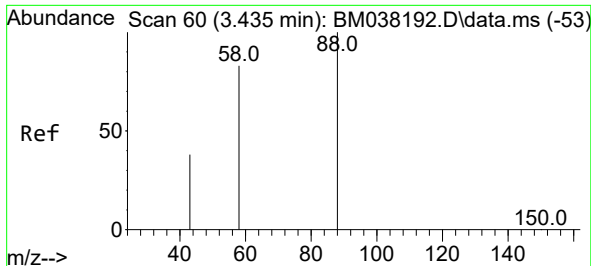
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122222\  
Data File : BM038193.D  
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Sample : SST00.813  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

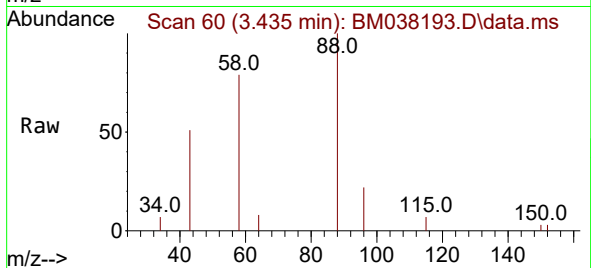
Quant Time: Dec 22 23:19:22 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM122222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 22 23:18:00 2022  
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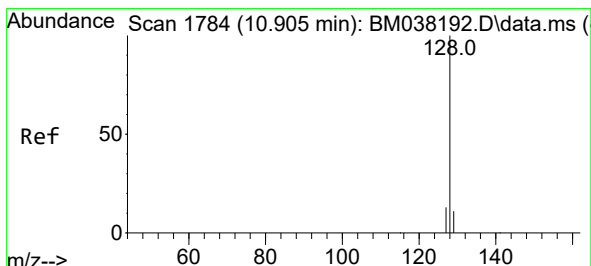
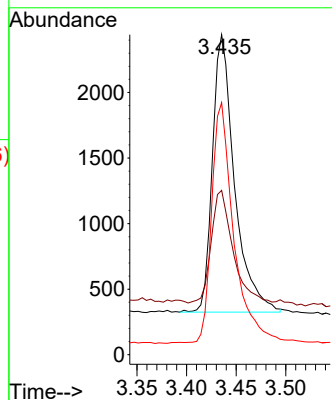
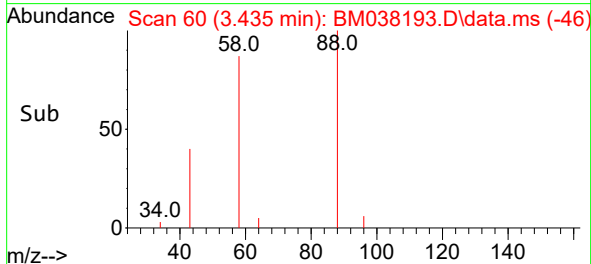


#2  
1,4-Dioxane  
Concen: 0.648 ng/ul  
RT: 3.435 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

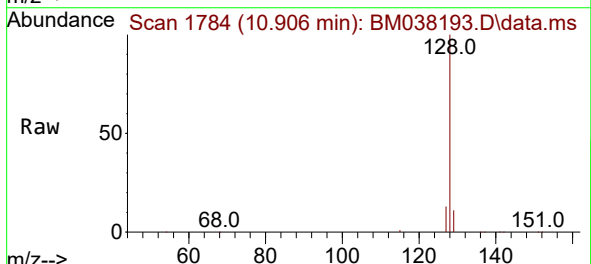
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BNA\_M  
ClientSampleId :



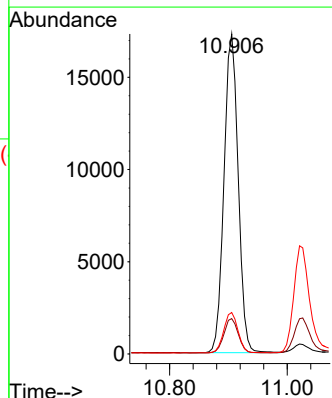
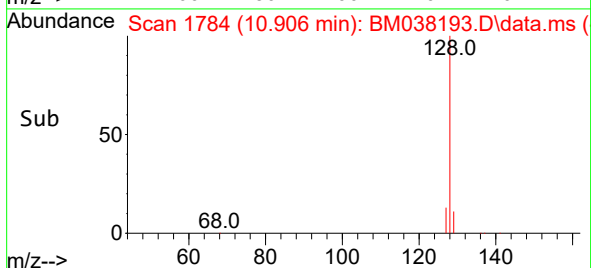
Tgt Ion: 88 Resp: 3269  
Ion Ratio Lower Upper  
88 100  
43 51.3 46.4 69.6  
58 78.7 56.9 85.3

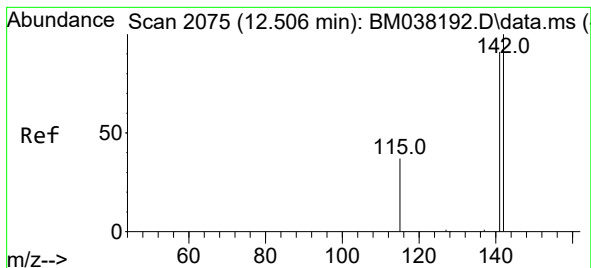


#5  
Naphthalene  
Concen: 0.810 ng/ul  
RT: 10.906 min Scan# 1784  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49



Tgt Ion: 128 Resp: 28913  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.4 14.0  
127 13.0 10.7 16.1

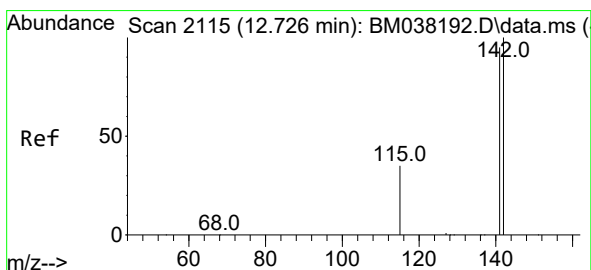
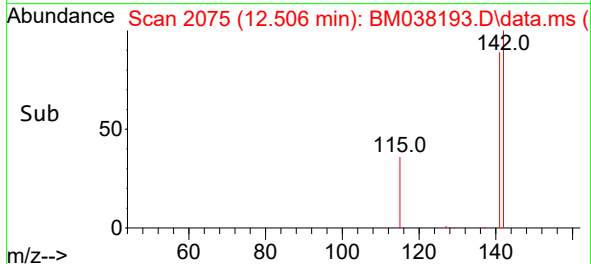
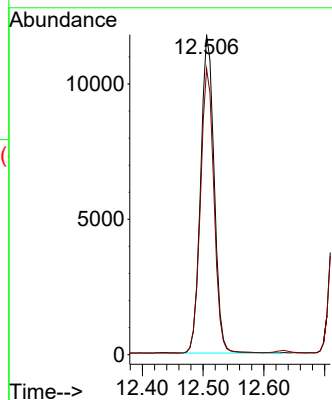
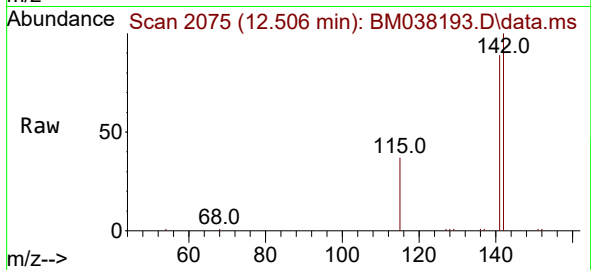




#7  
2-Methylnaphthalene  
Concen: 0.831 ng/ul  
RT: 12.506 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

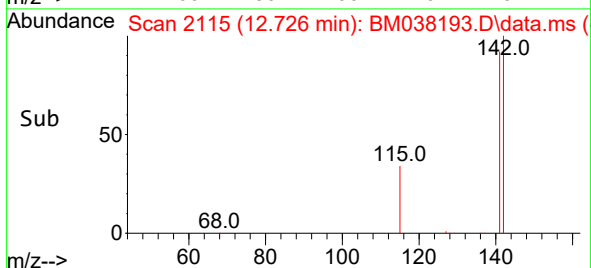
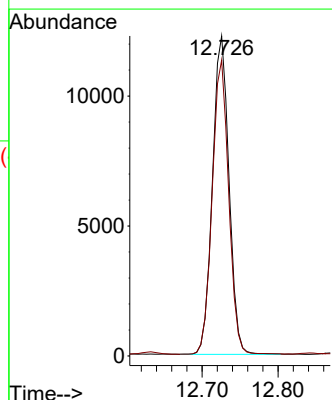
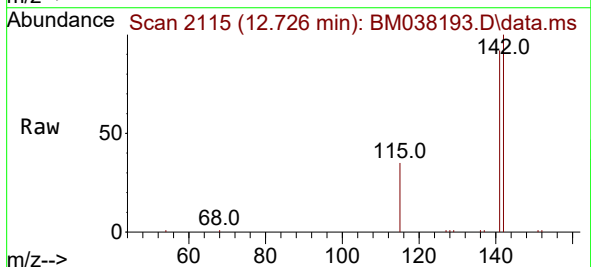
Instrument :  
BNA\_M  
ClientSampleId :

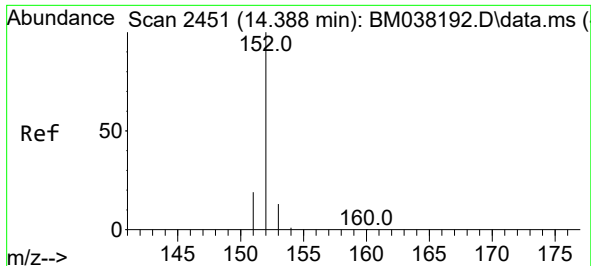
Tgt Ion:142 Resp: 18220  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.822 ng/ul  
RT: 12.726 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Tgt Ion:142 Resp: 18456  
Ion Ratio Lower Upper  
142 100  
141 92.1 74.7 112.1

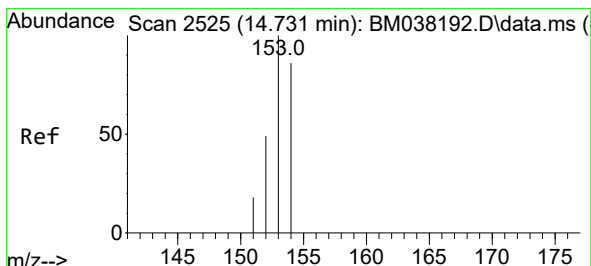
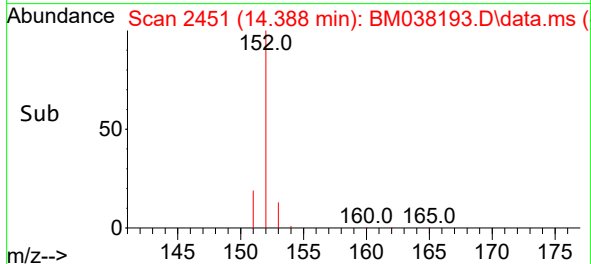
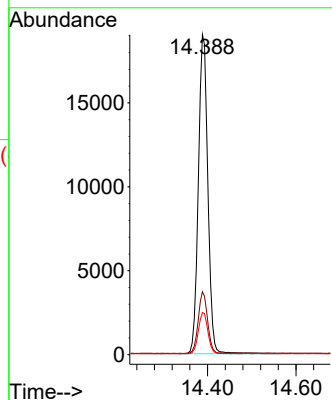
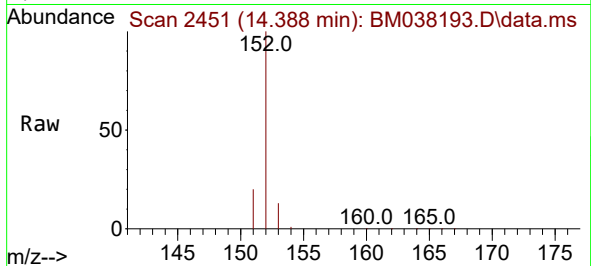




#10  
Acenaphthylene  
Concen: 0.883 ng/ul  
RT: 14.388 min Scan# 2451  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

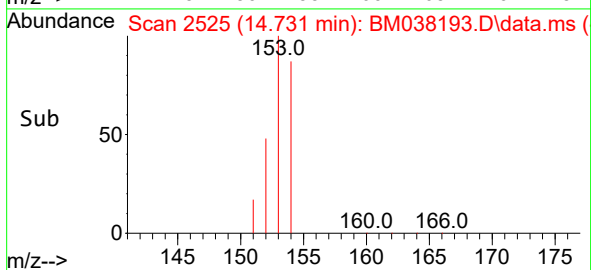
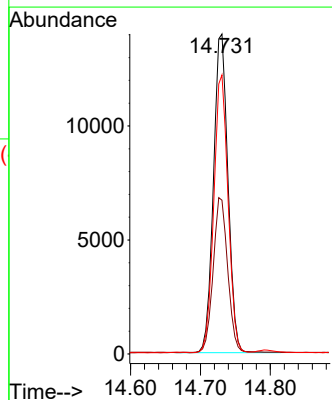
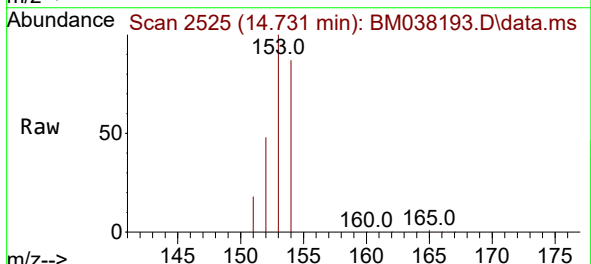
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ClientSampleId :

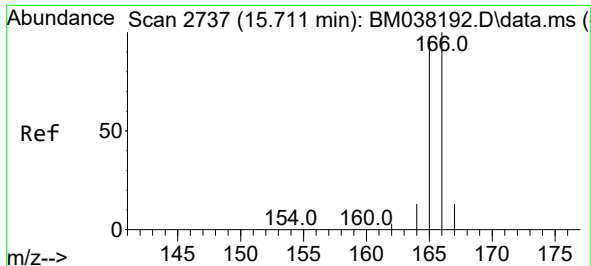
Tgt Ion:152 Resp: 28137  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.2 24.2  
153 13.2 10.7 16.1



#11  
Acenaphthene  
Concen: 0.833 ng/ul  
RT: 14.731 min Scan# 2525  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

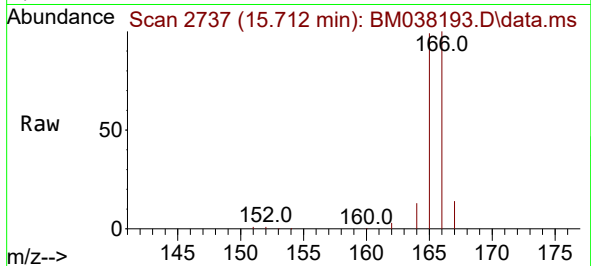
Tgt Ion:153 Resp: 20128  
Ion Ratio Lower Upper  
153 100  
152 48.1 39.4 59.0  
154 87.2 69.0 103.4



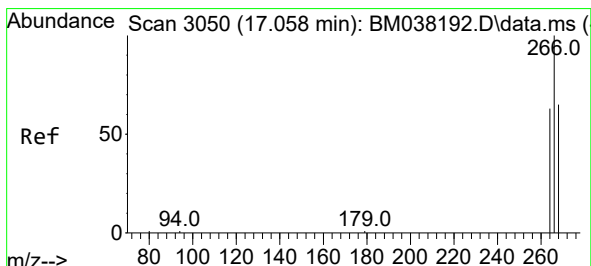
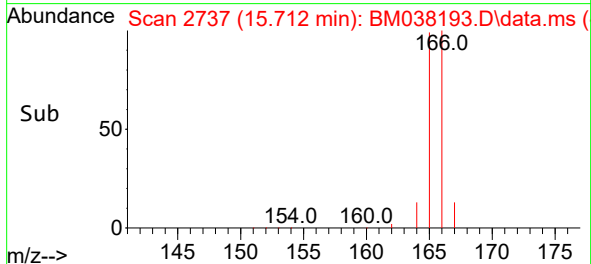
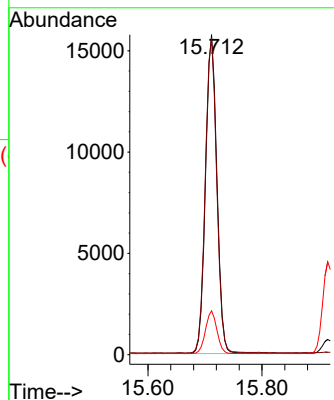


#12  
Fluorene  
Concen: 0.812 ng/ul  
RT: 15.712 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :

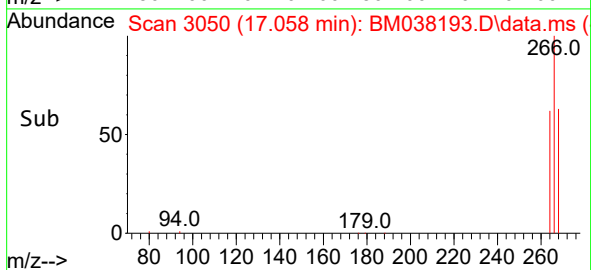
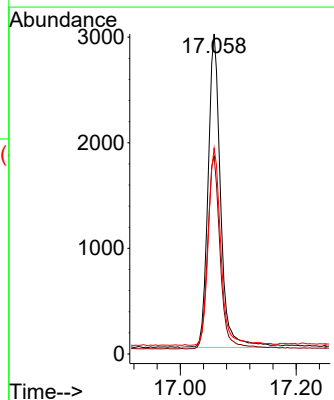
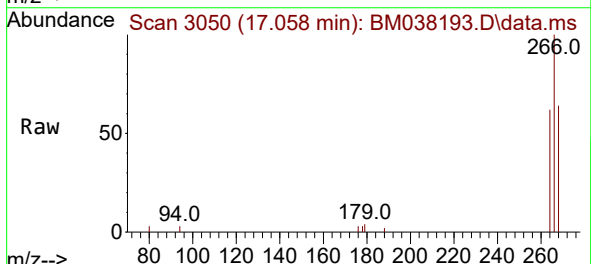


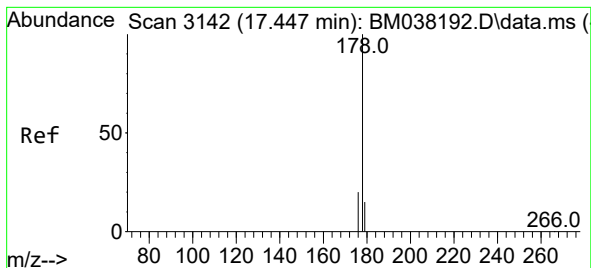
Tgt Ion:166 Resp: 21733  
Ion Ratio Lower Upper  
166 100  
165 99.1 79.0 118.6  
167 13.7 11.0 16.6



#14  
Pentachlorophenol  
Concen: 0.967 ng/ul  
RT: 17.058 min Scan# 3050  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Tgt Ion:266 Resp: 4440  
Ion Ratio Lower Upper  
266 100  
264 62.2 49.9 74.9  
268 62.7 51.2 76.8





#15

Phenanthrene

Concen: 0.834 ng/ul

RT: 17.447 min Scan# 31169

Delta R.T. 0.000 min

Lab File: BM038193.D

Acq: 22 Dec 2022 11:49

Instrument :

BNA\_M

ClientSampleId :

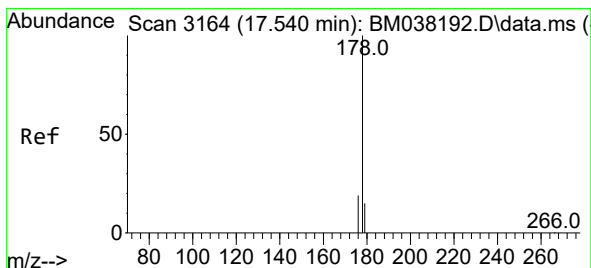
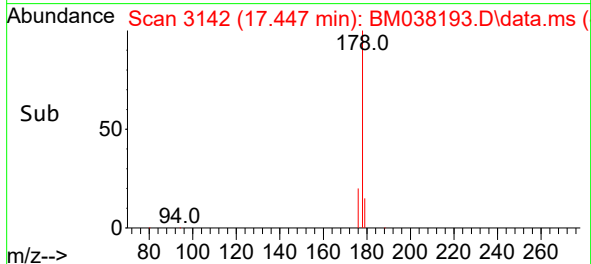
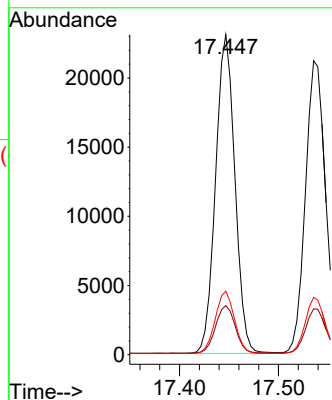
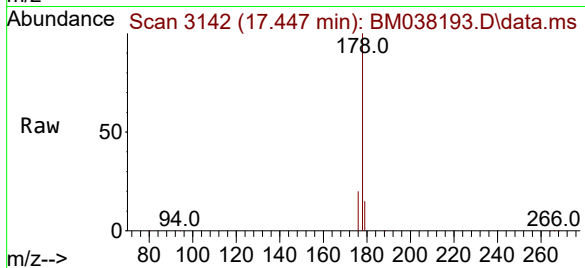
Tgt Ion:178 Resp: 31169

Ion Ratio Lower Upper

178 100

179 15.3 13.0 19.4

176 19.8 16.2 24.4



#16

Anthracene

Concen: 0.875 ng/ul

RT: 17.535 min Scan# 3163

Delta R.T. -0.004 min

Lab File: BM038193.D

Acq: 22 Dec 2022 11:49

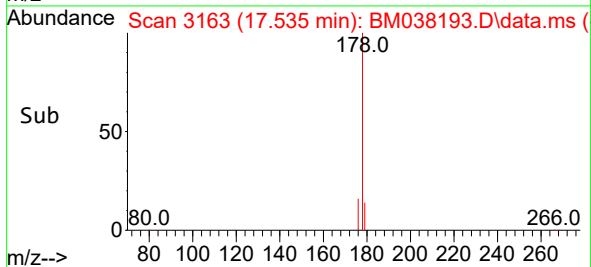
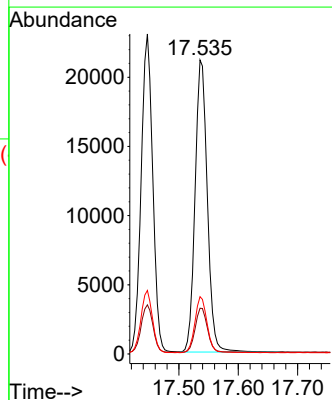
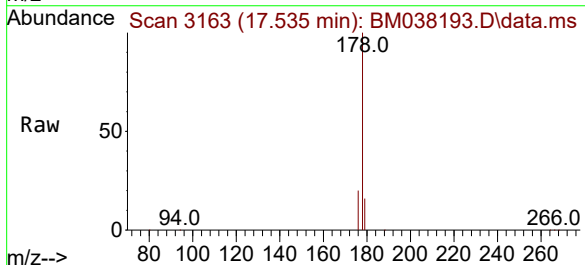
Tgt Ion:178 Resp: 30221

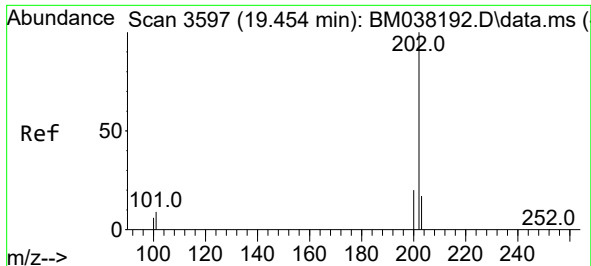
Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.6

176 19.5 15.6 23.4

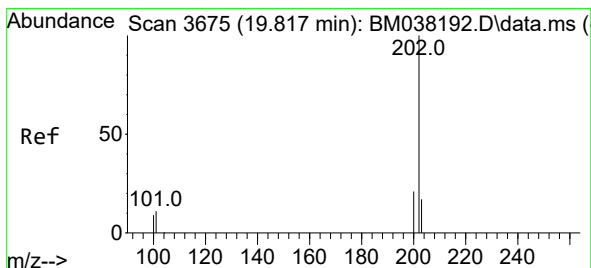
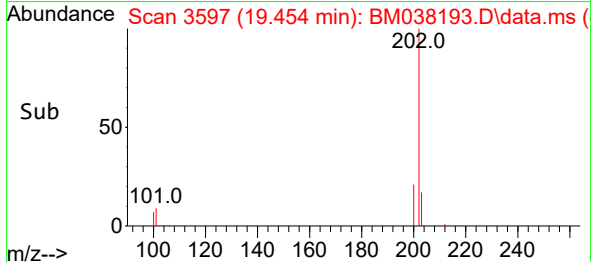
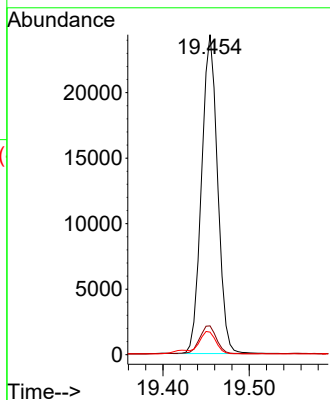
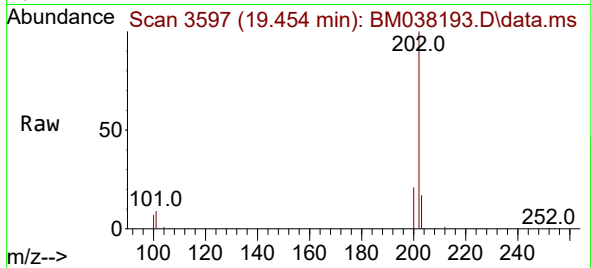




#19  
Fluoranthene  
Concen: 0.868 ng/ul  
RT: 19.454 min Scan# 31436  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

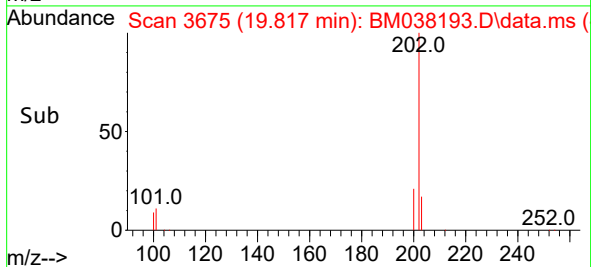
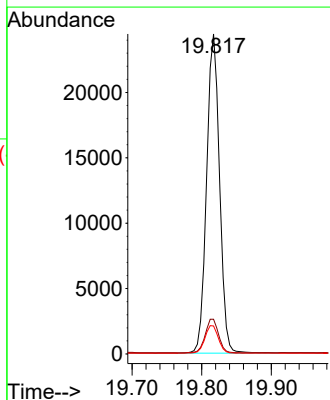
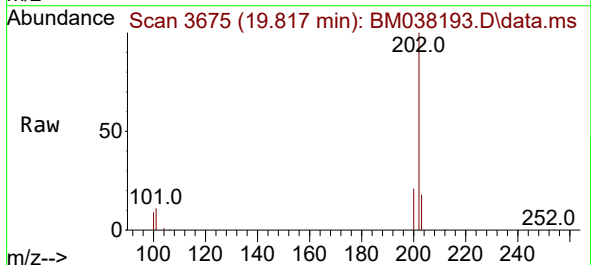
Instrument :  
BNA\_M  
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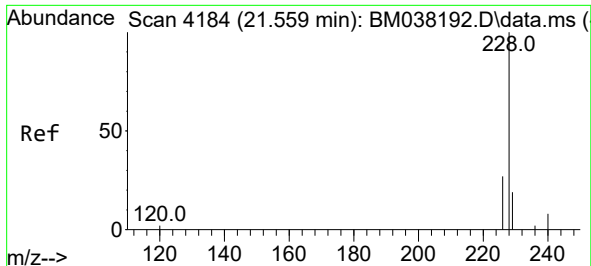
Tgt Ion:202 Resp: 31436  
Ion Ratio Lower Upper  
202 100  
101 9.0 7.5 11.3  
100 7.0 5.6 8.4



#20  
Pyrene  
Concen: 0.851 ng/ul  
RT: 19.817 min Scan# 3675  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

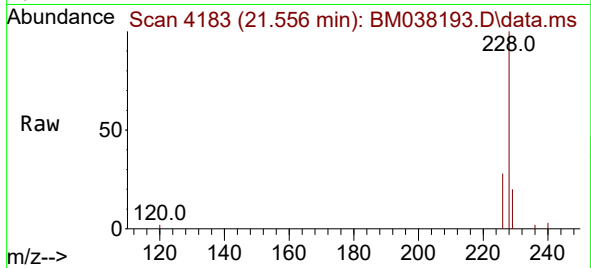
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Ion Ratio Lower Upper  
202 100  
101 10.8 8.9 13.3  
100 8.7 7.4 11.0



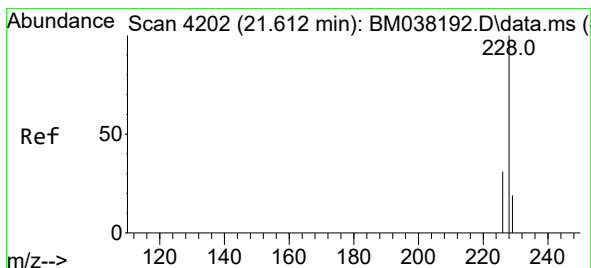
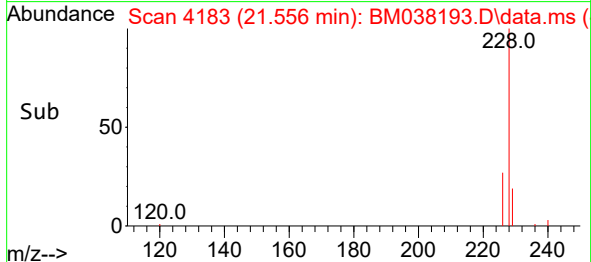
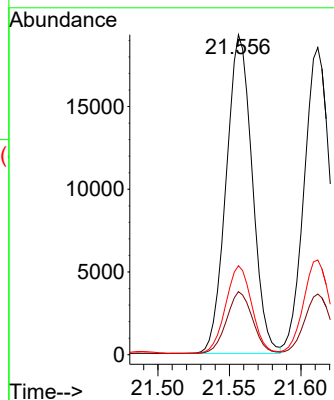


#21  
Benzo(a)anthracene  
Concen: 0.805 ng/ul  
RT: 21.556 min Scan# 4184  
Delta R.T. -0.003 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :

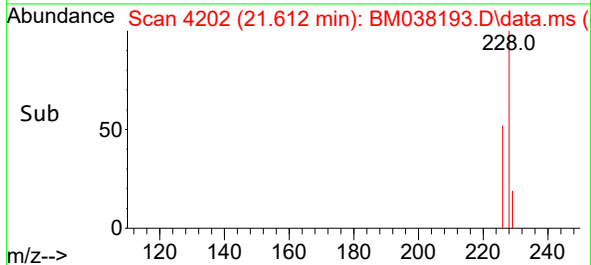
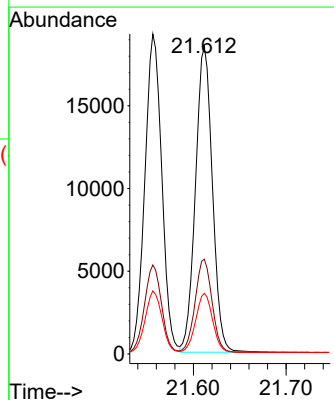
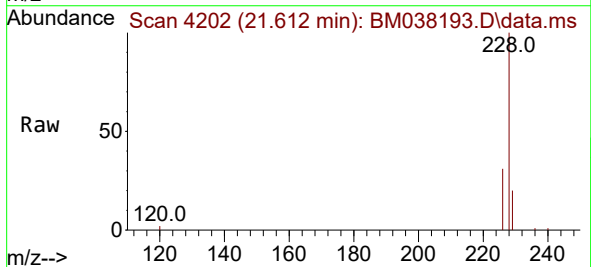


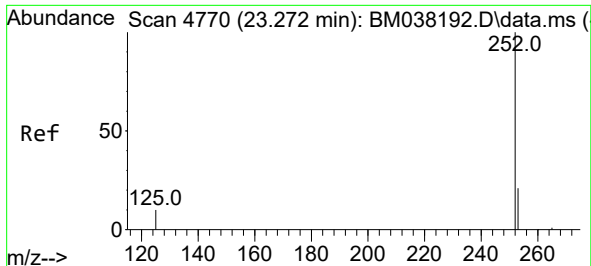
Tgt Ion:228 Resp: 24388  
Ion Ratio Lower Upper  
228 100  
229 19.7 15.5 23.3  
226 27.8 22.2 33.2



#22  
Chrysene  
Concen: 0.769 ng/ul  
RT: 21.612 min Scan# 4202  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

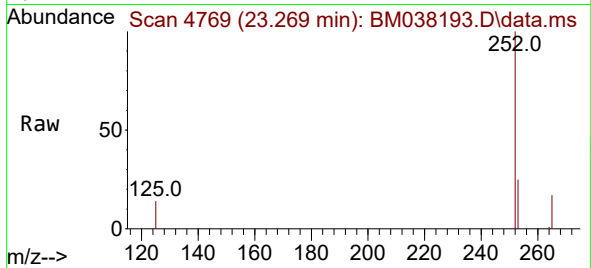
Tgt Ion:228 Resp: 23508  
Ion Ratio Lower Upper  
228 100  
226 30.8 25.0 37.4  
229 19.8 16.0 24.0



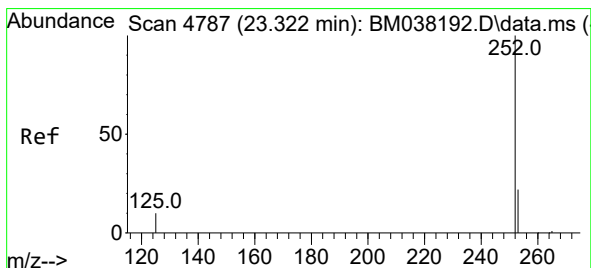
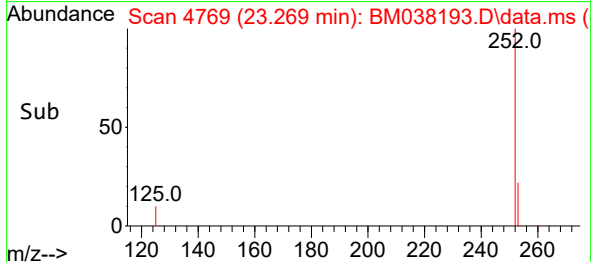
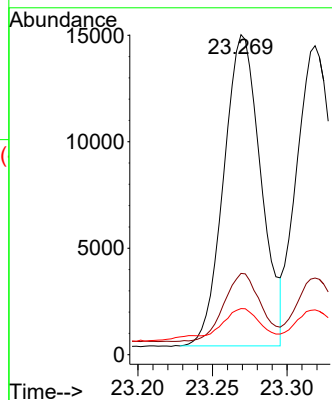


#24  
Benzo(b)fluoranthene  
Concen: 0.752 ng/ul  
RT: 23.269 min Scan# 4769  
Delta R.T. -0.003 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :

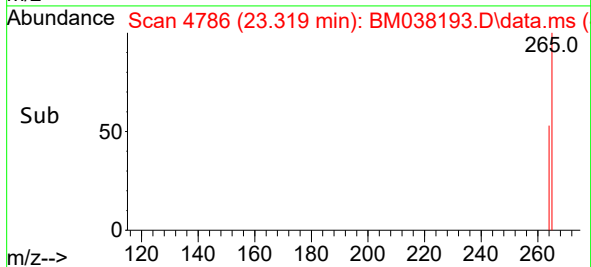
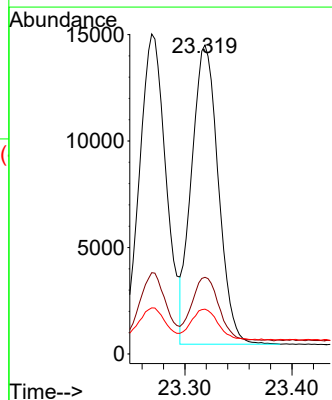
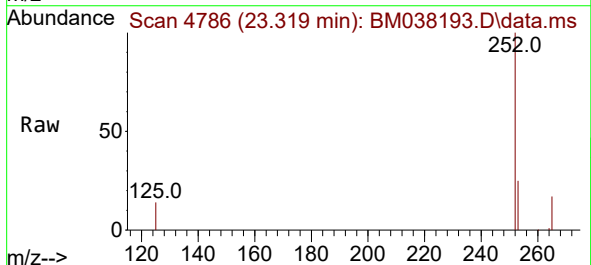


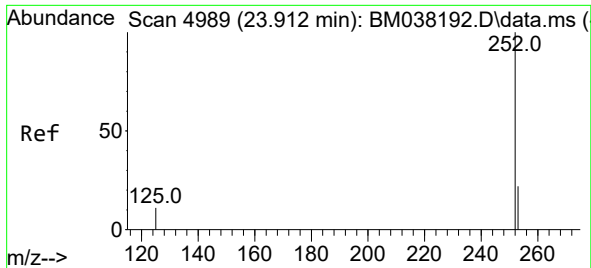
Tgt Ion:252 Resp: 25388  
Ion Ratio Lower Upper  
252 100  
253 25.4 0.0 56.0  
125 14.4 0.0 36.6



#25  
Benzo(k)fluoranthene  
Concen: 0.748 ng/ul  
RT: 23.319 min Scan# 4786  
Delta R.T. -0.003 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Tgt Ion:252 Resp: 24349  
Ion Ratio Lower Upper  
252 100  
253 24.8 22.5 33.7  
125 14.5 14.4 21.6

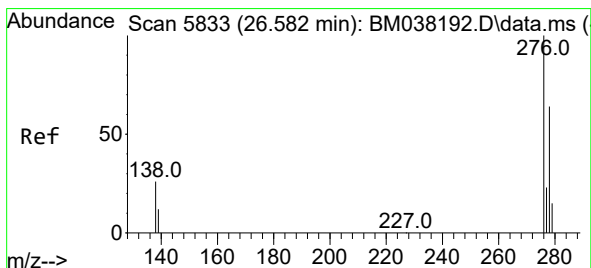
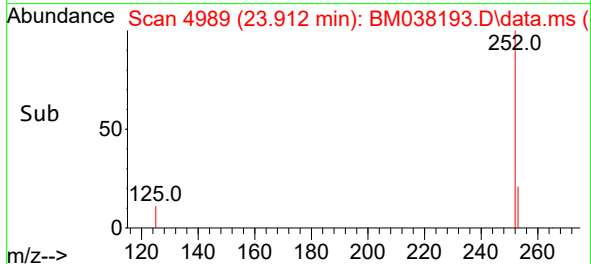
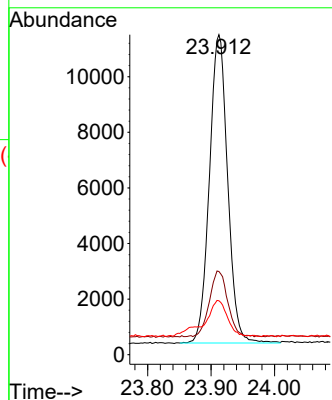
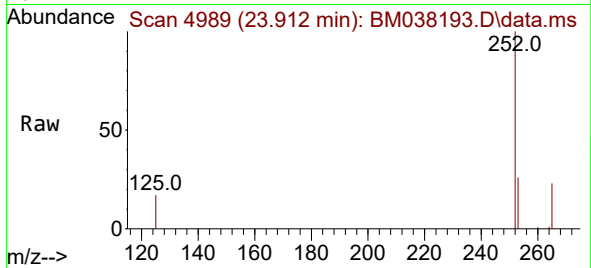




#26  
Benzo(a)pyrene  
Concen: 0.778 ng/ul  
RT: 23.912 min Scan# 4989  
Delta R.T. 0.000 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

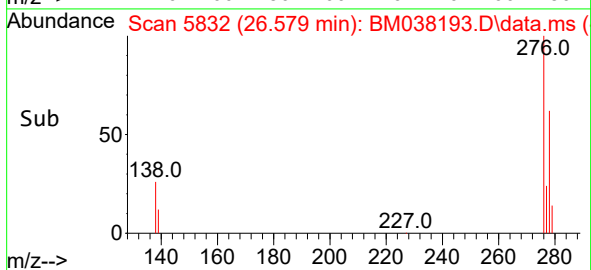
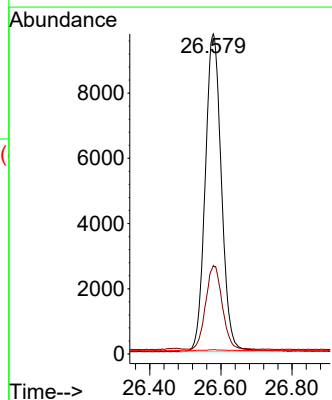
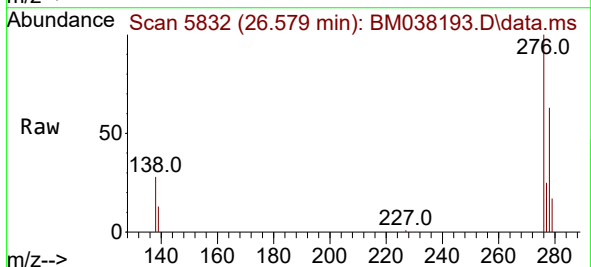
Instrument :  
BNA\_M  
ClientSampleId :

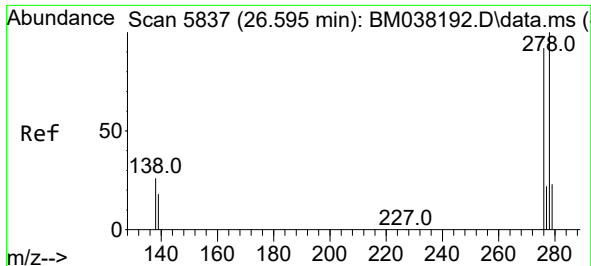
Tgt Ion:252 Resp: 22119  
Ion Ratio Lower Upper  
252 100  
253 26.0 24.2 36.4  
125 16.8 17.3 25.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.865 ng/ul  
RT: 26.579 min Scan# 5832  
Delta R.T. -0.003 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

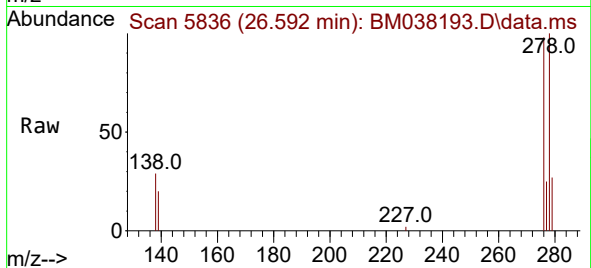
Tgt Ion:276 Resp: 30870  
Ion Ratio Lower Upper  
276 100  
138 27.0 21.7 32.5  
227 0.2 0.0 0.0#





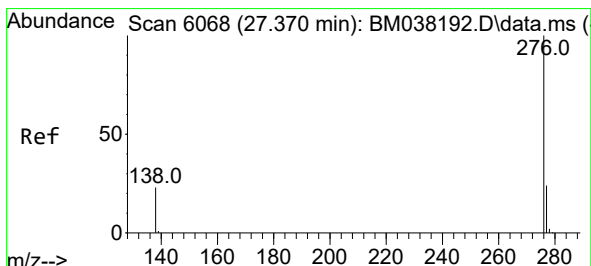
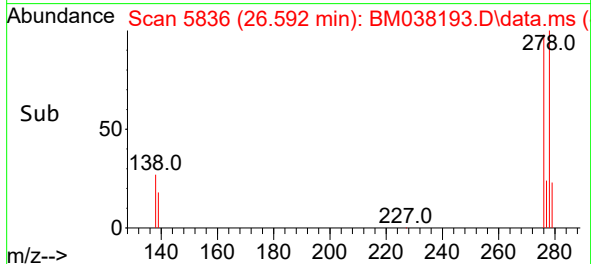
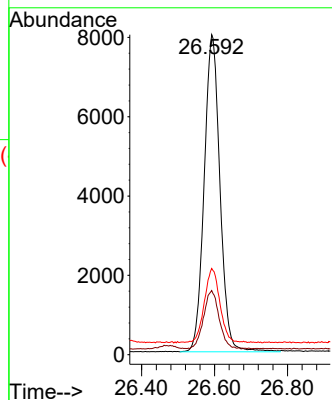
#28  
Dibenzo(a,h)anthracene  
Concen: 0.866 ng/ul  
RT: 26.592 min Scan# 5836  
Delta R.T. -0.003 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Instrument :  
BNA\_M  
ClientSampleId :



Tgt Ion:278 Resp: 24073  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 20.0  | 16.8  | 25.2  |
| 279 | 26.9  | 23.4  | 35.2  |



#29  
Benzo(g,h,i)perylene  
Concen: 0.858 ng/ul  
RT: 27.367 min Scan# 6067  
Delta R.T. -0.003 min  
Lab File: BM038193.D  
Acq: 22 Dec 2022 11:49

Tgt Ion:276 Resp: 25993  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 25.2  | 20.8  | 31.2  |
| 277 | 24.5  | 20.5  | 30.7  |

