

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082423\  
 Data File : BM041461.D  
 Acq On : 24 Aug 2023 11:35  
 Operator : MA/JU  
 Sample : SST0.809  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0.8046

Quant Time: Aug 24 18:23:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM082423.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 24 13:21:17 2023  
 Response via : Initial Calibration

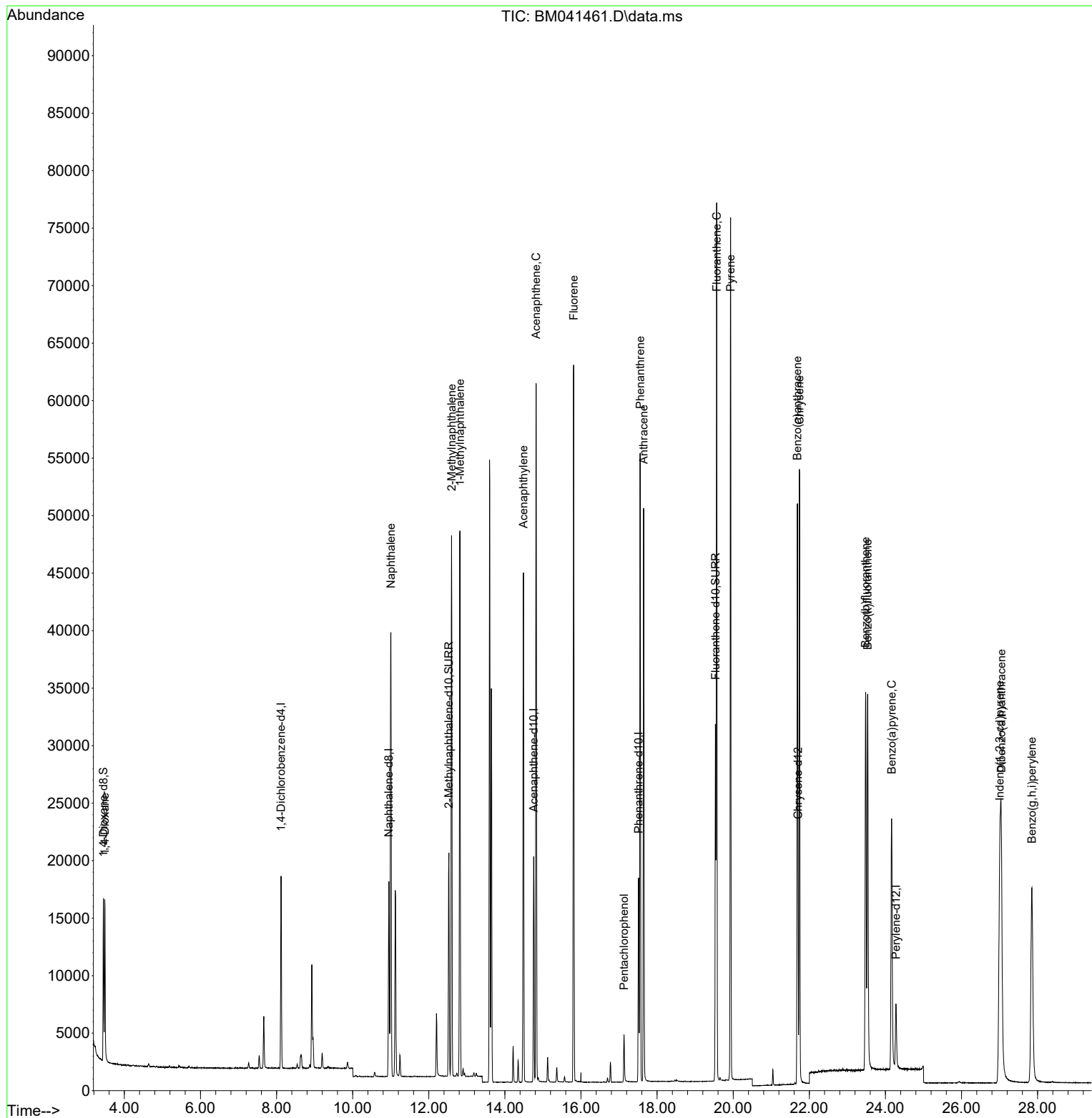
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.118  | 152  | 8189     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.950 | 136  | 21961    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.759 | 164  | 9947     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.514 | 188  | 19166    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.702 | 240  | 8111     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.278 | 264  | 7885     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.452  | 96   | 8300     | 0.801 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.528 | 152  | 23385    | 0.806 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.534 | 212  | 28185    | 0.788 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.486  | 88   | 8450     | 0.792 | ng/ul  | 94       |
| 5) Naphthalene              | 11.005 | 128  | 53038    | 0.810 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.599 | 142  | 31663    | 0.805 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.819 | 142  | 32132    | 0.804 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.486 | 152  | 48520    | 0.812 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.819 | 153  | 33957    | 0.817 | ng/ul  | 99       |
| 12) Fluorene                | 15.809 | 166  | 37965    | 0.816 | ng/ul  | 98       |
| 14) Pentachlorophenol       | 17.130 | 266  | 2841     | 0.786 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.557 | 178  | 57624    | 0.819 | ng/ul  | 99       |
| 16) Anthracene              | 17.645 | 178  | 52306    | 0.817 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.566 | 202  | 60328    | 0.810 | ng/ul  | 99       |
| 20) Pyrene                  | 19.933 | 202  | 60321    | 0.803 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.685 | 228  | 43442    | 0.823 | ng/ul  | 100      |
| 22) Chrysene                | 21.740 | 228  | 47070    | 0.825 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.480 | 252  | 44889    | 0.831 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.535 | 252  | 45935    | 0.850 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 24.164 | 252  | 37558    | 0.846 | ng/ul  | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 27.005 | 276  | 47700    | 0.860 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 27.045 | 278  | 36900    | 0.870 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.850 | 276  | 41388    | 0.848 | ng/ul  | 98       |

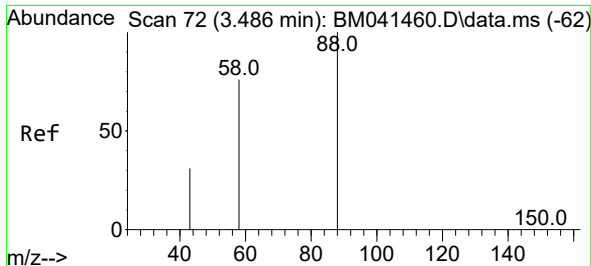
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082423\  
Data File : BM041461.D  
Acq On : 24 Aug 2023 11:35  
Operator : MA/JU  
Sample : SST0.809  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SSTD0.8046

Quant Time: Aug 24 18:23:16 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM082423.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 24 13:21:17 2023  
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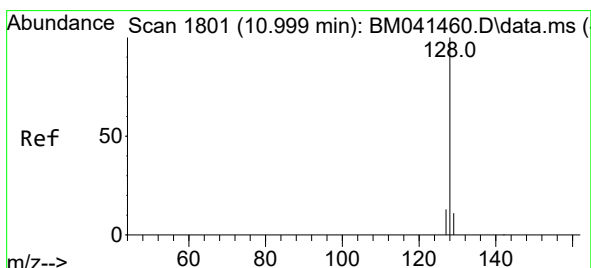
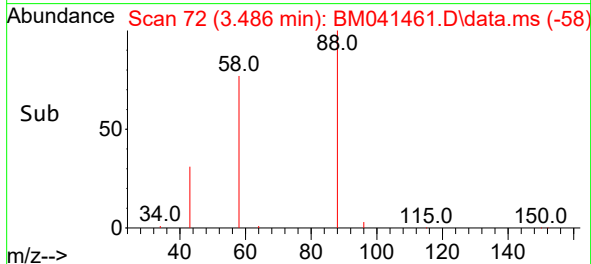
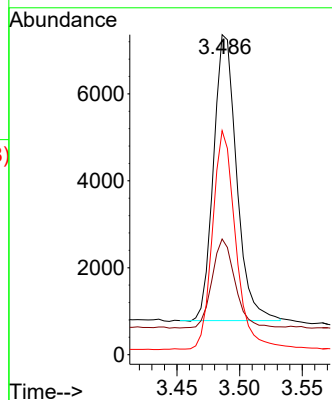
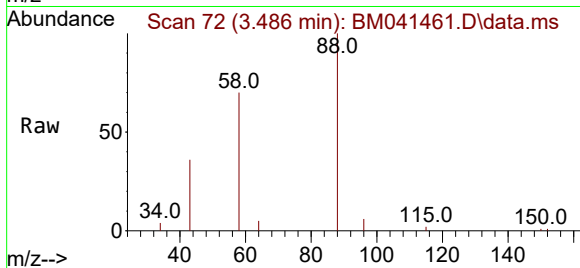




#2  
1,4-Dioxane  
Concen: 0.792 ng/ul  
RT: 3.486 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

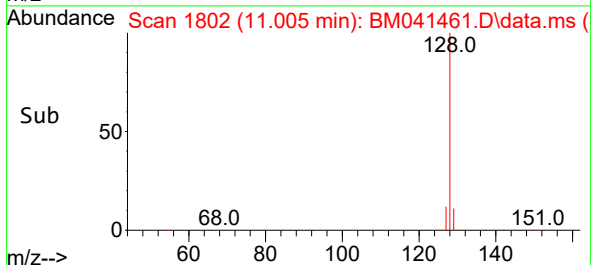
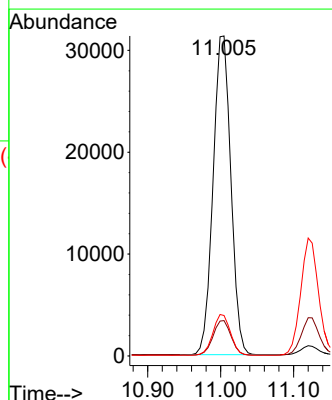
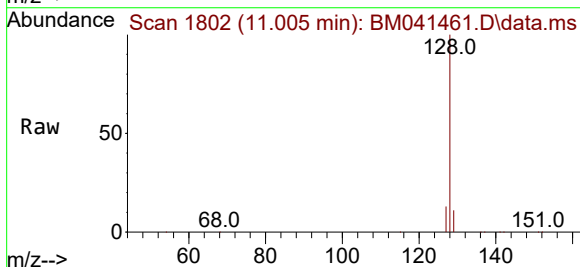
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8046

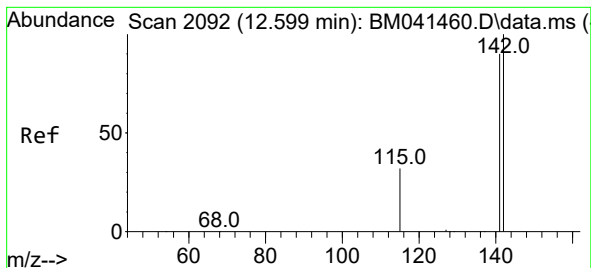
Tgt Ion: 88 Resp: 8450  
Ion Ratio Lower Upper  
88 100  
43 36.2 35.4 53.2  
58 70.0 57.3 85.9



#5  
Naphthalene  
Concen: 0.810 ng/ul  
RT: 11.005 min Scan# 1802  
Delta R.T. 0.005 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:128 Resp: 53038  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.9 13.3  
127 12.6 10.6 15.8

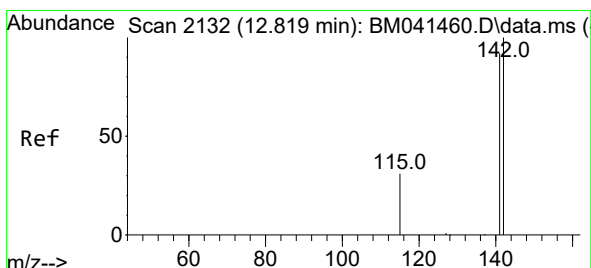
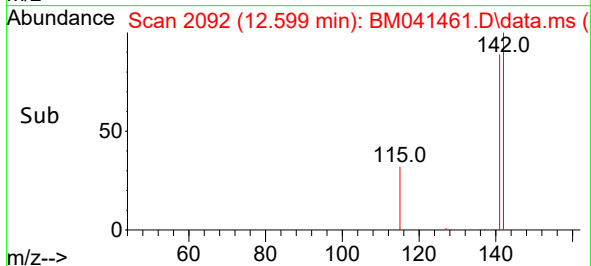
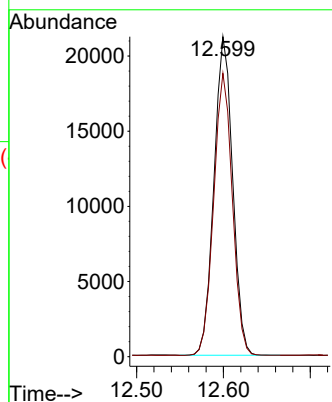
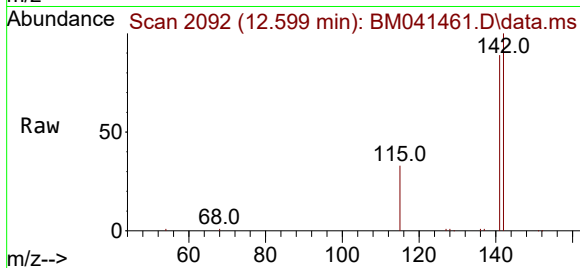




#7  
2-Methylnaphthalene  
Concen: 0.805 ng/ul  
RT: 12.599 min Scan# 2092  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

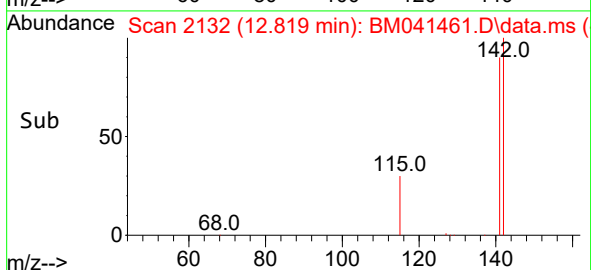
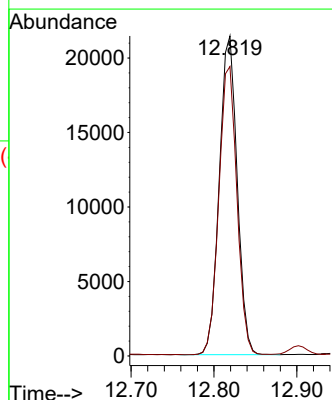
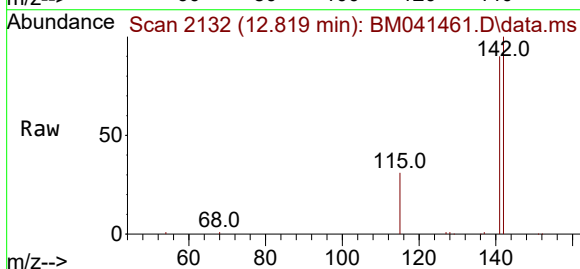
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8046

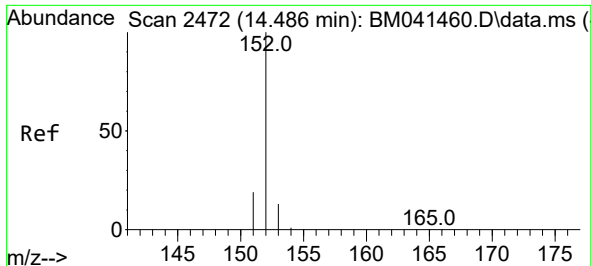
Tgt Ion:142 Resp: 31663  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.1 106.7



#8  
1-Methylnaphthalene  
Concen: 0.804 ng/ul  
RT: 12.819 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:142 Resp: 32132  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.4 110.2

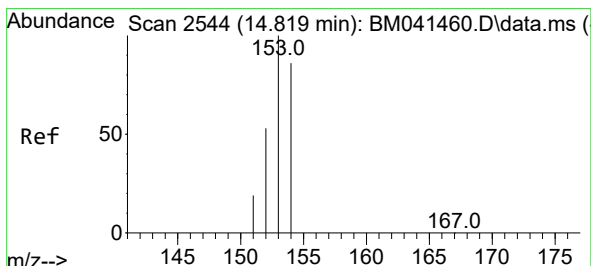
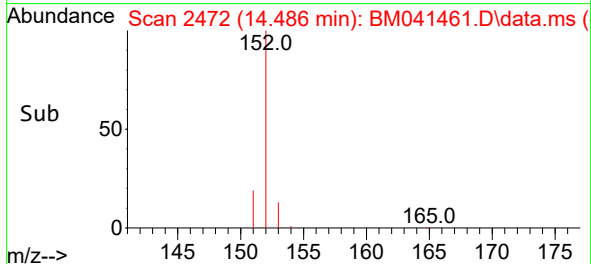
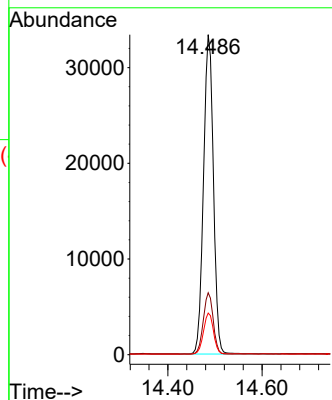
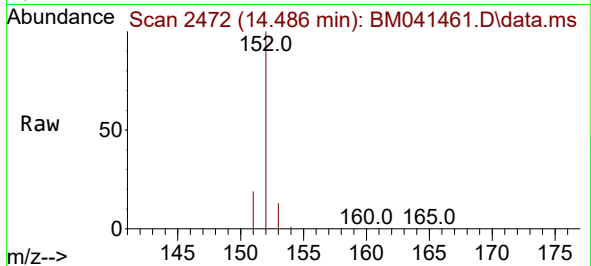




#10  
Acenaphthylene  
Concen: 0.812 ng/ul  
RT: 14.486 min Scan# 2472  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

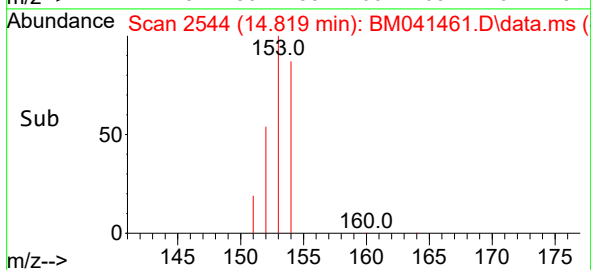
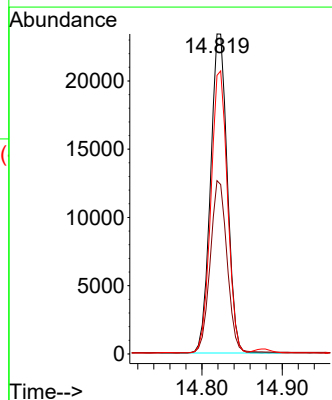
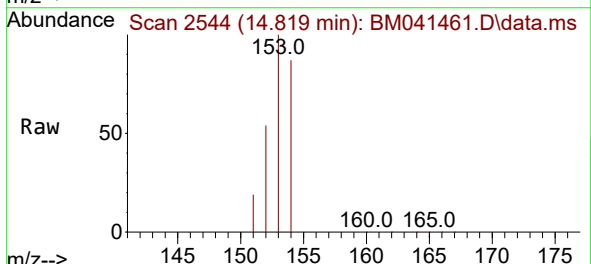
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ClientSampleId :  
SSTD0.8046

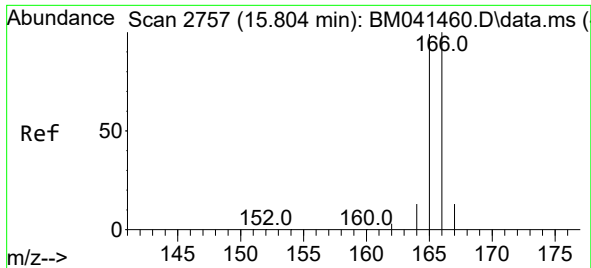
Tgt Ion:152 Resp: 48520  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.8 23.6  
153 13.0 10.6 15.8



#11  
Acenaphthene  
Concen: 0.817 ng/ul  
RT: 14.819 min Scan# 2544  
Delta R.T. 0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:153 Resp: 33957  
Ion Ratio Lower Upper  
153 100  
152 54.1 42.9 64.3  
154 87.1 68.9 103.3

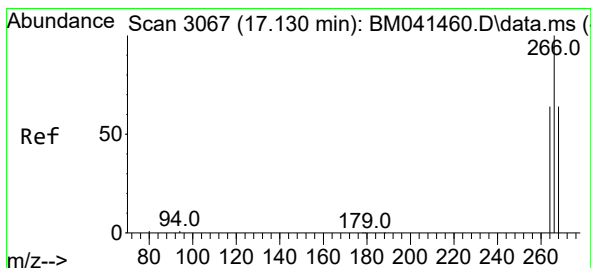
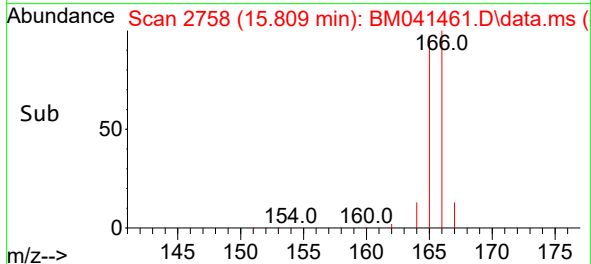
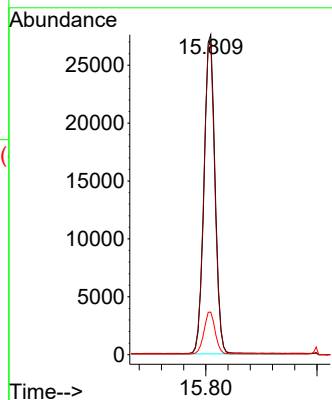
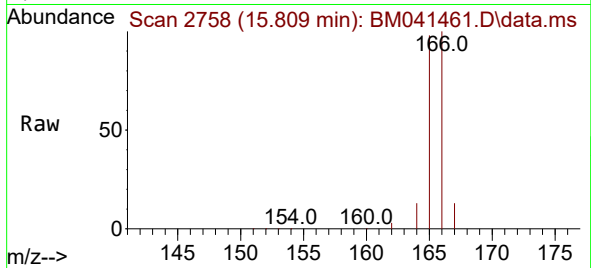




#12  
 Fluorene  
 Concen: 0.816 ng/ul  
 RT: 15.809 min Scan# 21  
 Delta R.T. 0.005 min  
 Lab File: BM041461.D  
 Acq: 24 Aug 2023 11:35

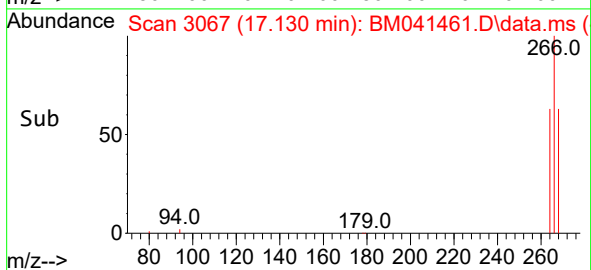
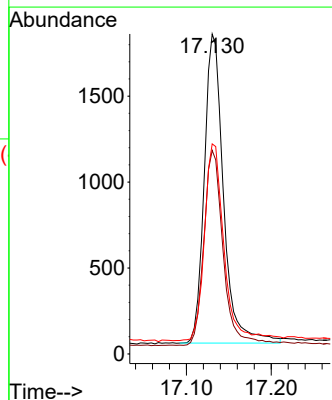
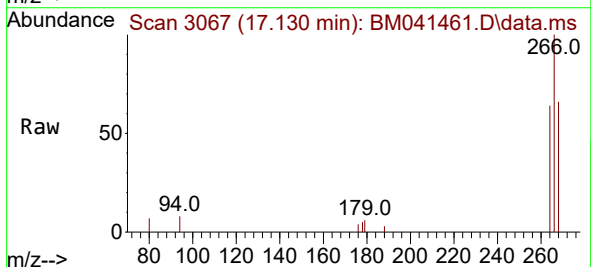
Instrument :  
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 ClientSampleId :  
 SST0.8046

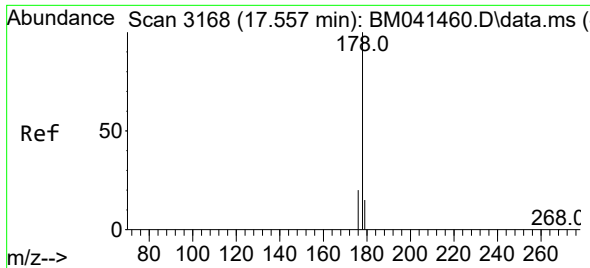
Tgt Ion:166 Resp: 37965  
 Ion Ratio Lower Upper  
 166 100  
 165 97.6 79.4 119.2  
 167 13.3 11.0 16.6



#14  
 Pentachlorophenol  
 Concen: 0.786 ng/ul  
 RT: 17.130 min Scan# 3067  
 Delta R.T. 0.000 min  
 Lab File: BM041461.D  
 Acq: 24 Aug 2023 11:35

Tgt Ion:266 Resp: 2841  
 Ion Ratio Lower Upper  
 266 100  
 264 63.4 50.1 75.1  
 268 64.9 48.6 73.0

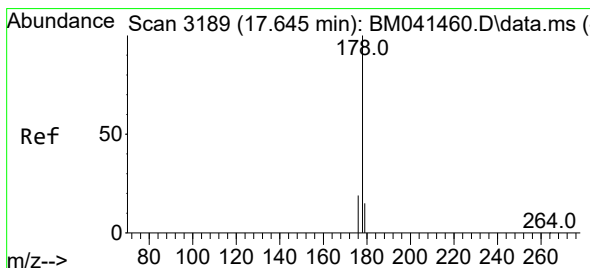
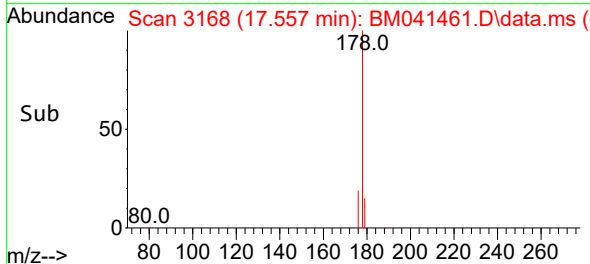
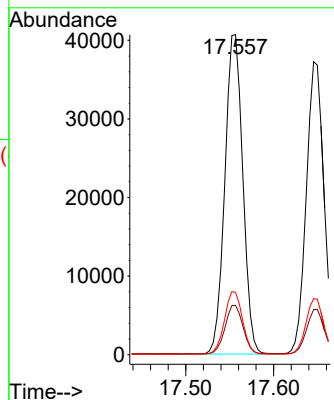
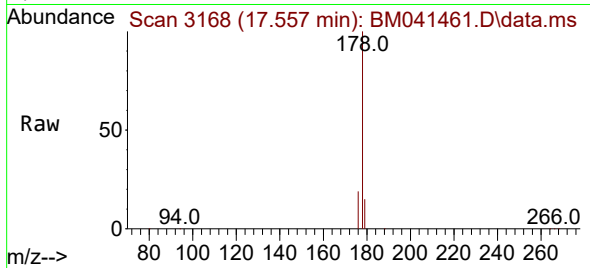




#15  
Phenanthrene  
Concen: 0.819 ng/ul  
RT: 17.557 min Scan# 3168  
Delta R.T. 0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

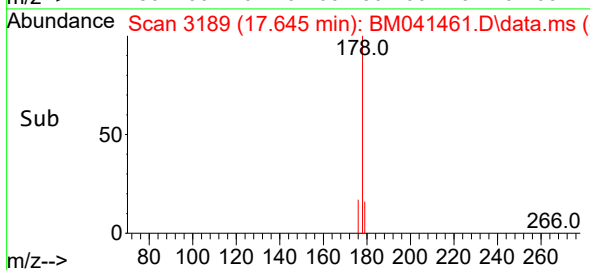
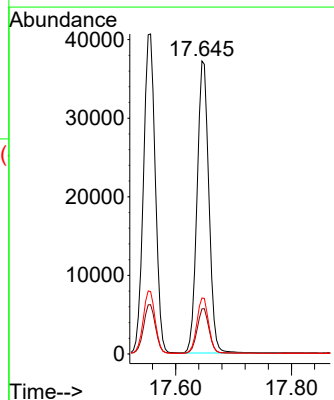
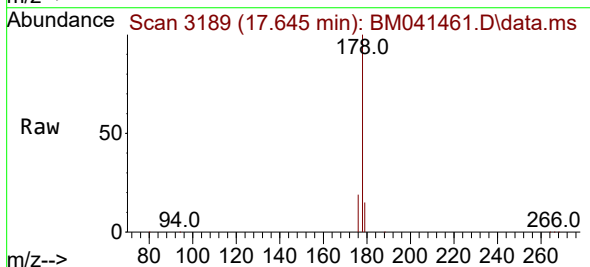
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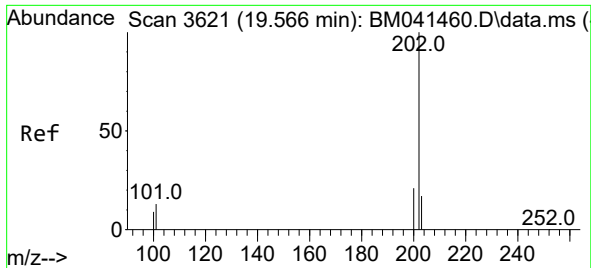
Tgt Ion:178 Resp: 57624  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.5 18.7  
176 19.5 15.8 23.8



#16  
Anthracene  
Concen: 0.817 ng/ul  
RT: 17.645 min Scan# 3189  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:178 Resp: 52306  
Ion Ratio Lower Upper  
178 100  
179 15.4 12.6 18.8  
176 19.1 15.5 23.3

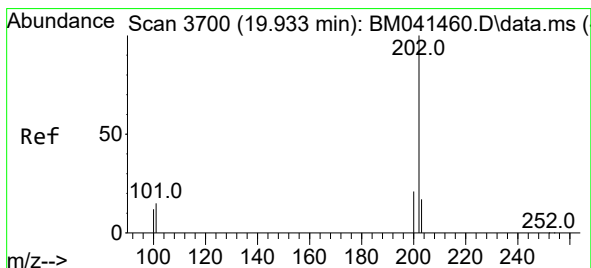
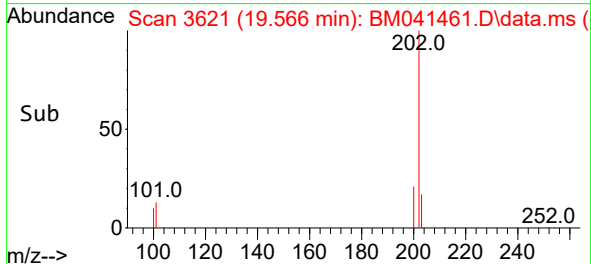
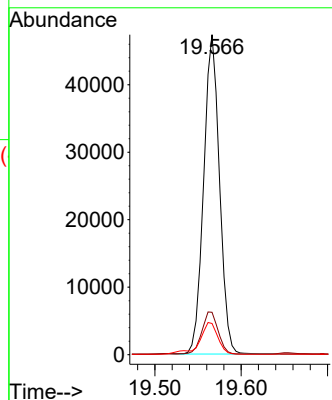
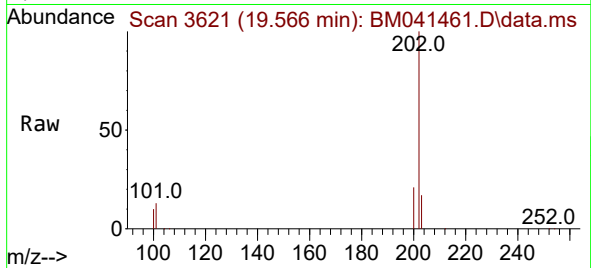




#19  
Fluoranthene  
Concen: 0.810 ng/ul  
RT: 19.566 min Scan# 3621  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

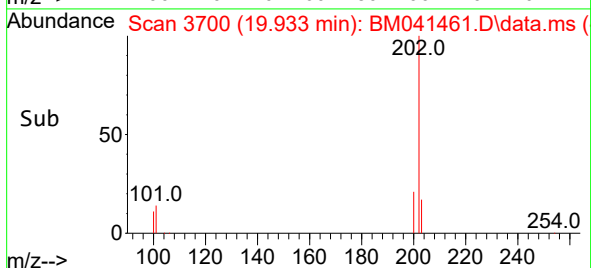
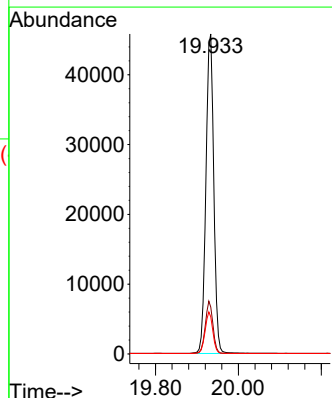
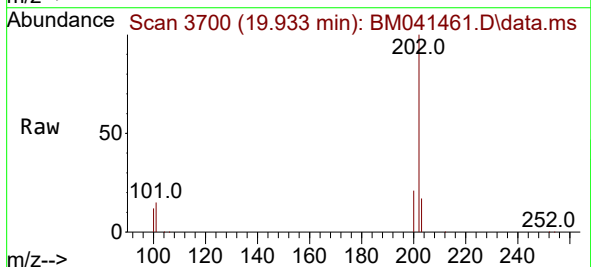
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8046

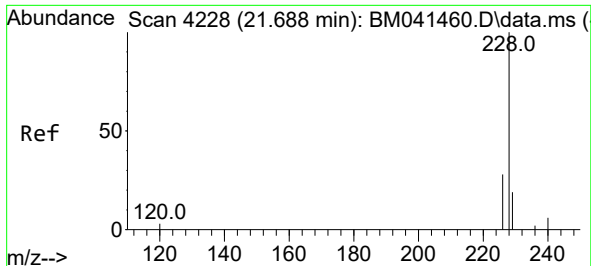
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Ion Ratio Lower Upper  
202 100  
101 13.3 11.0 16.6  
100 9.8 7.9 11.9



#20  
Pyrene  
Concen: 0.803 ng/ul  
RT: 19.933 min Scan# 3700  
Delta R.T. 0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:202 Resp: 60321  
Ion Ratio Lower Upper  
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100 11.6 9.8 14.8

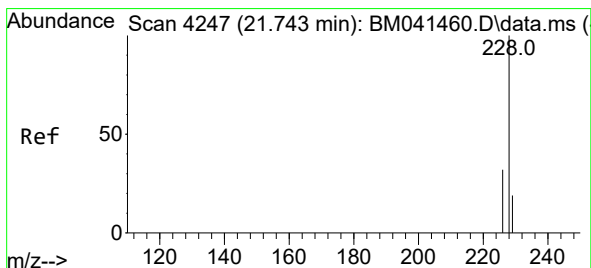
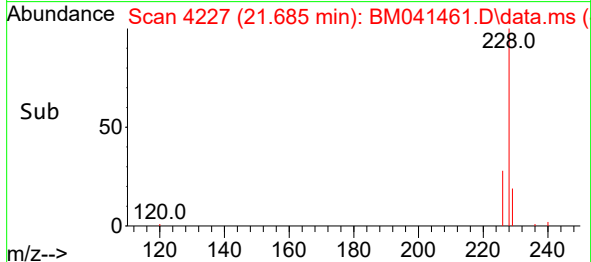
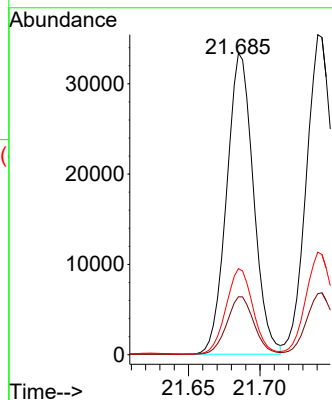
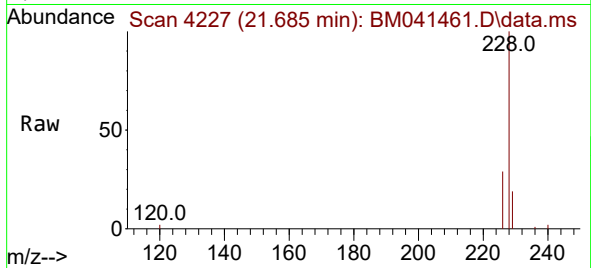




#21  
Benzo(a)anthracene  
Concen: 0.823 ng/ul  
RT: 21.685 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

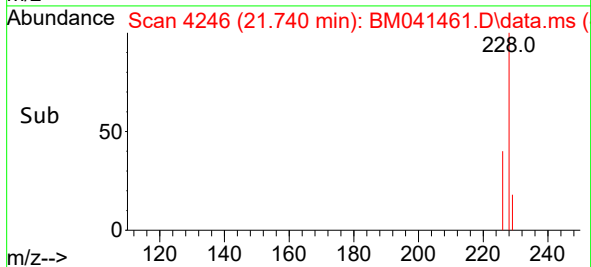
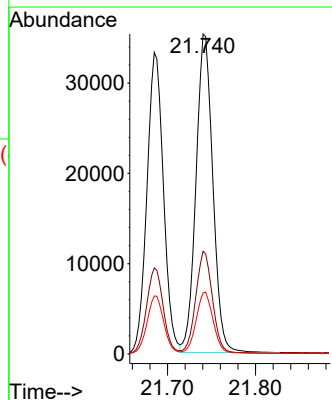
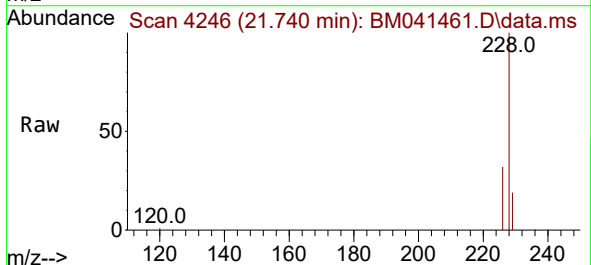
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8046

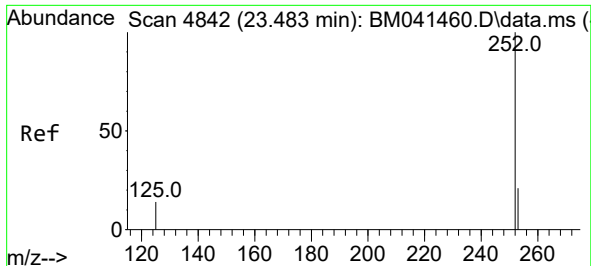
Tgt Ion:228 Resp: 43442  
Ion Ratio Lower Upper  
228 100  
229 19.2 15.3 22.9  
226 28.6 22.7 34.1



#22  
Chrysene  
Concen: 0.825 ng/ul  
RT: 21.740 min Scan# 4246  
Delta R.T. -0.003 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:228 Resp: 47070  
Ion Ratio Lower Upper  
228 100  
226 32.0 25.6 38.4  
229 19.0 15.7 23.5

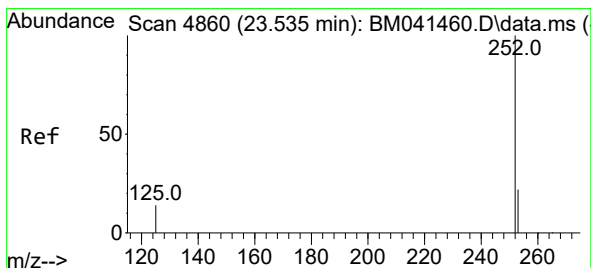
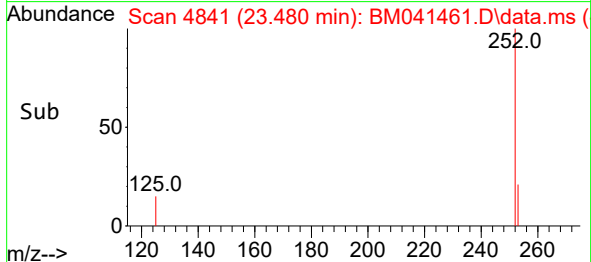
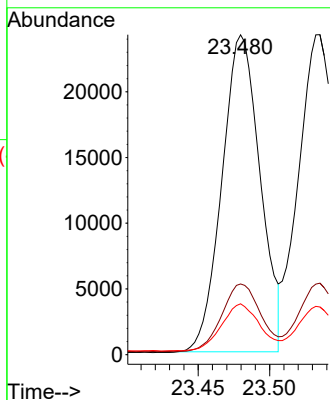
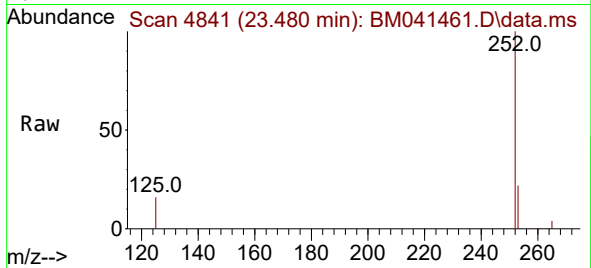




#24  
Benzo(b)fluoranthene  
Concen: 0.831 ng/ul  
RT: 23.480 min Scan# 4841  
Delta R.T. -0.003 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

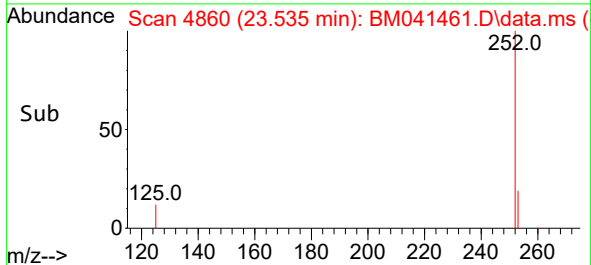
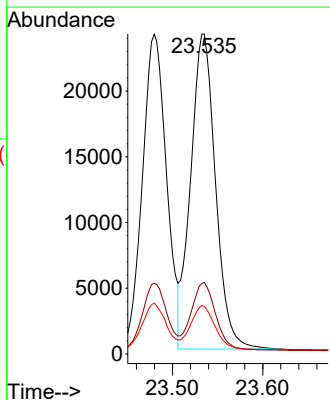
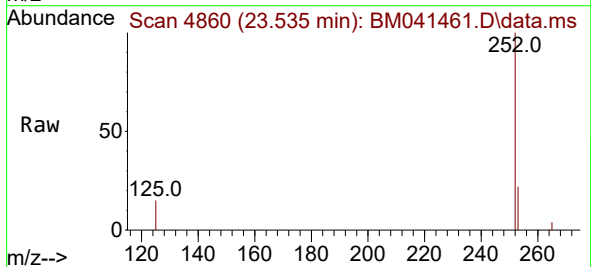
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.8046

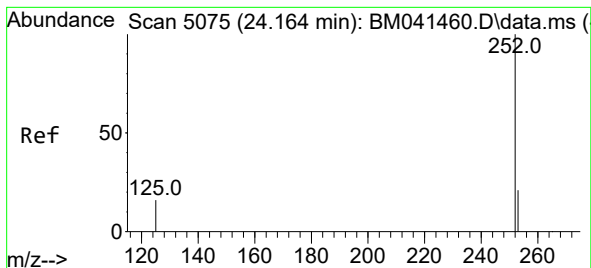
Tgt Ion:252 Resp: 44889  
Ion Ratio Lower Upper  
252 100  
253 22.1 0.0 46.8  
125 15.9 0.0 32.8



#25  
Benzo(k)fluoranthene  
Concen: 0.850 ng/ul  
RT: 23.535 min Scan# 4860  
Delta R.T. -0.000 min  
Lab File: BM041461.D  
Acq: 24 Aug 2023 11:35

Tgt Ion:252 Resp: 45935  
Ion Ratio Lower Upper  
252 100  
253 22.4 19.1 28.7  
125 14.9 13.4 20.0





#26

Benzo(a)pyrene

Concen: 0.846 ng/ul

RT: 24.164 min Scan# 5075

Delta R.T. 0.000 min

Lab File: BM041461.D

Acq: 24 Aug 2023 11:35

Instrument :

BNA\_M

ClientSampleId :

SSTD0.8046

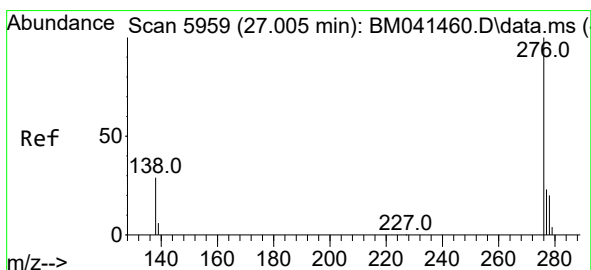
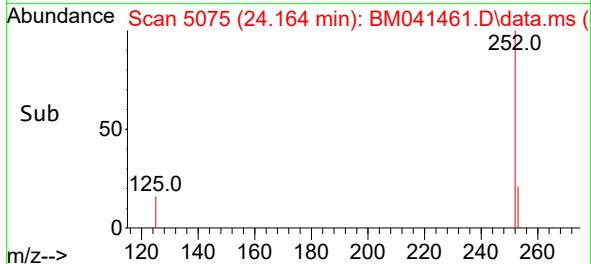
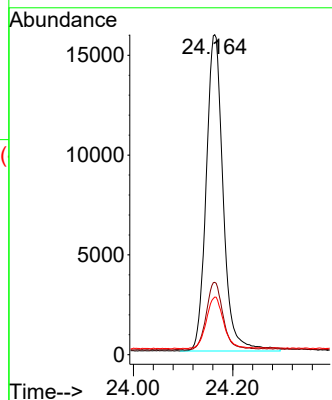
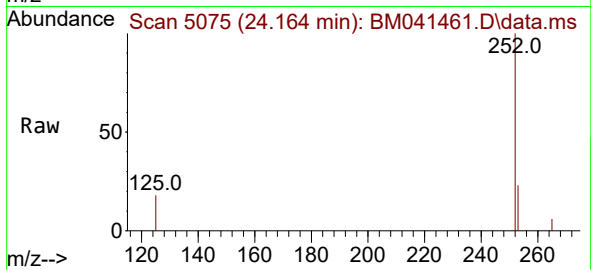
Tgt Ion:252 Resp: 37558

Ion Ratio Lower Upper

252 100

253 22.6 19.5 29.3

125 18.0 16.0 24.0



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.860 ng/ul

RT: 27.005 min Scan# 5959

Delta R.T. -0.000 min

Lab File: BM041461.D

Acq: 24 Aug 2023 11:35

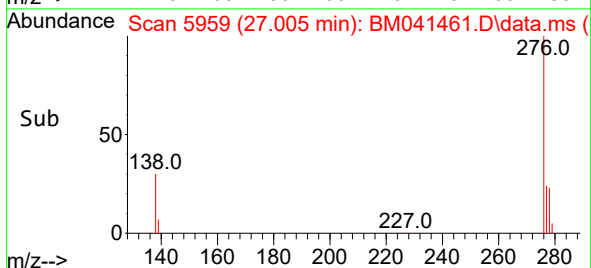
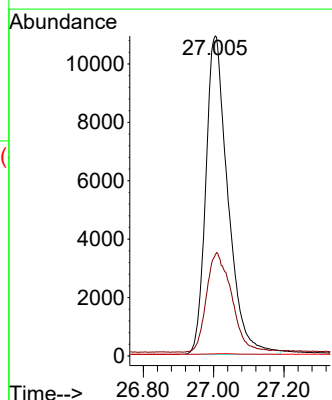
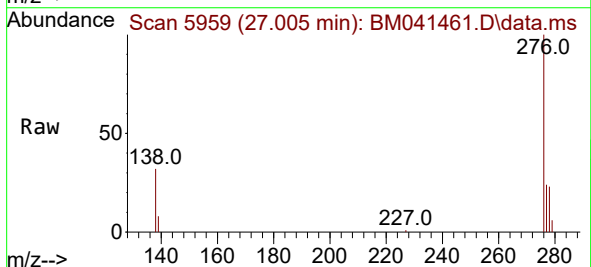
Tgt Ion:276 Resp: 47700

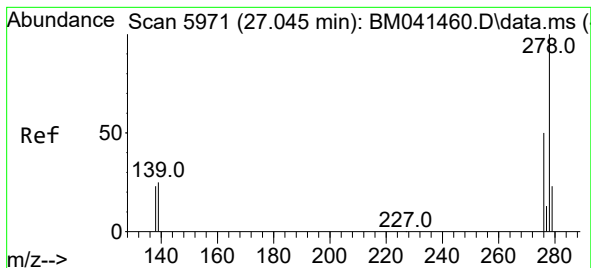
Ion Ratio Lower Upper

276 100

138 35.7 27.8 41.6

227 0.1 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.870 ng/ul

RT: 27.045 min Scan# 5971

Delta R.T. 0.000 min

Lab File: BM041461.D

Acq: 24 Aug 2023 11:35

Instrument :

BNA\_M

ClientSampleId :

SSTD0.8046

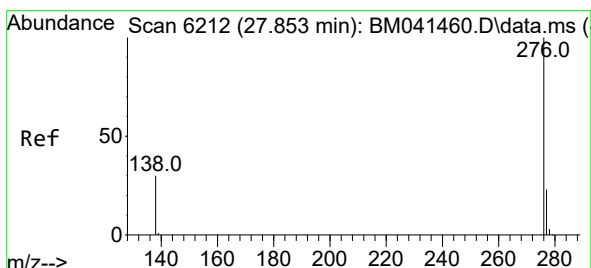
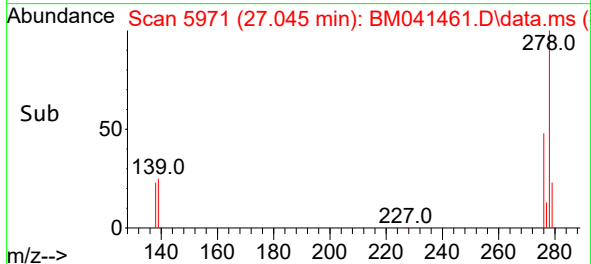
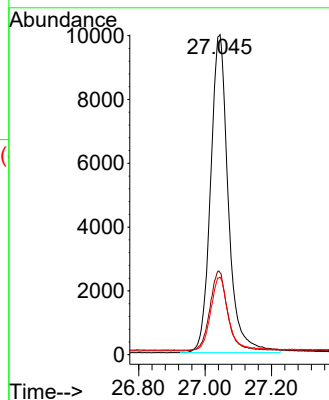
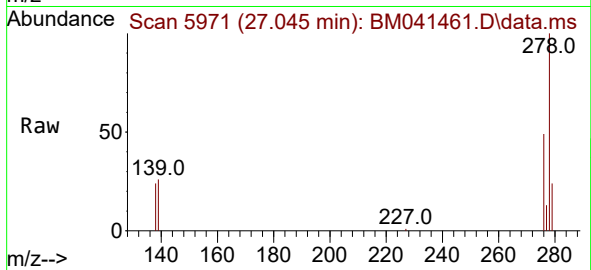
Tgt Ion:278 Resp: 36900

Ion Ratio Lower Upper

278 100

139 25.6 21.9 32.9

279 24.2 21.4 32.0



#29

Benzo(g,h,i)perylene

Concen: 0.848 ng/ul

RT: 27.850 min Scan# 6211

Delta R.T. -0.003 min

Lab File: BM041461.D

Acq: 24 Aug 2023 11:35

Tgt Ion:276 Resp: 41388

Ion Ratio Lower Upper

276 100

138 30.7 25.9 38.9

277 24.2 19.4 29.2

