

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122223\  
 Data File : BM043563.D  
 Acq On : 23 Dec 2023 07:39  
 Operator : MA/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 67 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4164

Quant Time: Dec 25 00:24:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 19 23:32:46 2023  
 Response via : Initial Calibration

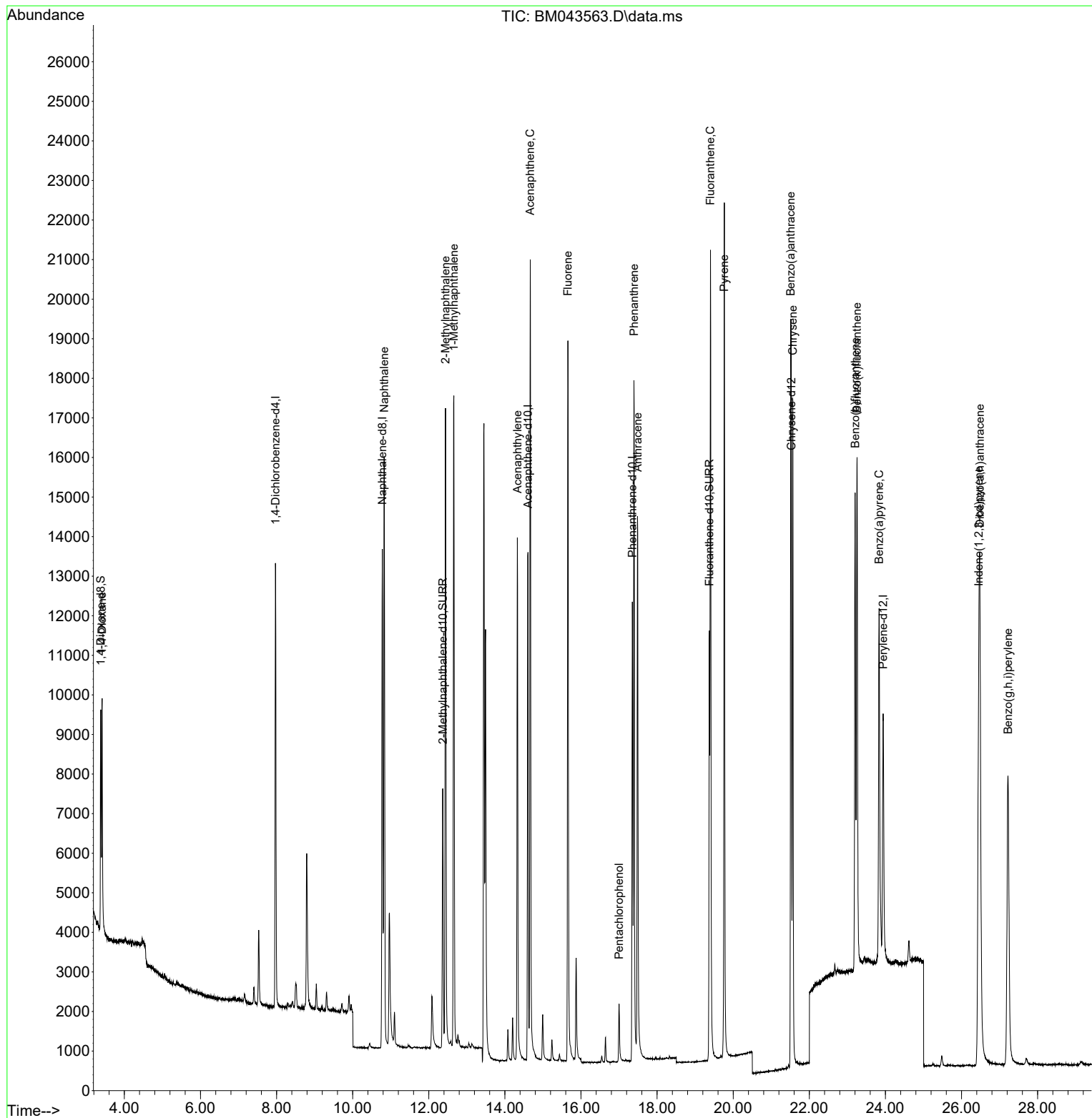
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.975  | 152  | 5964     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.779 | 136  | 17468    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.606 | 164  | 7612     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.350 | 188  | 14435    | 0.400 | ng/ul  | # 0.00   |
| 17) Chrysene-d12            | 21.527 | 240  | 8808     | 0.400 | ng/ul  | #-0.01   |
| 23) Perylene-d12            | 23.942 | 264  | 10022    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.381  | 96   | 3616     | 0.480 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.368 | 152  | 9260     | 0.374 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.376 | 212  | 11748    | 0.373 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.414  | 88   | 3580     | 0.474 | ng/ul  | 96       |
| 5) Naphthalene              | 10.829 | 128  | 21140    | 0.403 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.440 | 142  | 12336    | 0.364 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.660 | 142  | 12322    | 0.362 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.328 | 152  | 16877    | 0.403 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.666 | 153  | 12529    | 0.411 | ng/ul  | 99       |
| 12) Fluorene                | 15.656 | 166  | 13416    | 0.388 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.999 | 266  | 1237     | 0.387 | ng/ul  | 96       |
| 15) Phenanthrene            | 17.392 | 178  | 19665    | 0.409 | ng/ul  | 100      |
| 16) Anthracene              | 17.485 | 178  | 17968    | 0.411 | ng/ul  | 98       |
| 19) Fluoranthene            | 19.403 | 202  | 18774    | 0.378 | ng/ul# | 92       |
| 20) Pyrene                  | 19.766 | 202  | 19118    | 0.388 | ng/ul  | 95       |
| 21) Benzo(a)anthracene      | 21.512 | 228  | 15090    | 0.390 | ng/ul  | 100      |
| 22) Chrysene                | 21.565 | 228  | 16313    | 0.400 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.205 | 252  | 16483    | 0.362 | ng/ul  | 93       |
| 25) Benzo(k)fluoranthene    | 23.254 | 252  | 18502    | 0.392 | ng/ul# | 91       |
| 26) Benzo(a)pyrene          | 23.833 | 252  | 15641    | 0.417 | ng/ul# | 92       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.455 | 276  | 21114    | 0.494 | ng/ul# | 89       |
| 28) Dibenzo(a,h)anthracene  | 26.481 | 278  | 17291    | 0.511 | ng/ul# | 95       |
| 29) Benzo(g,h,i)perylene    | 27.223 | 276  | 17831    | 0.489 | ng/ul  | 97       |
| -----                       |        |      |          |       |        |          |

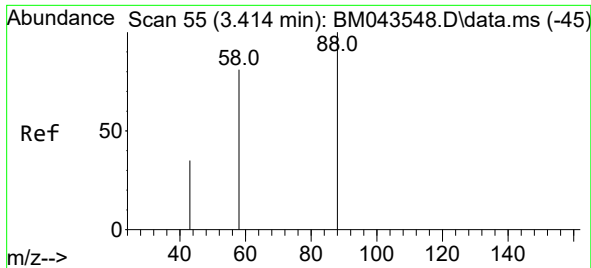
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM122223\  
Data File : BM043563.D  
Acq On : 23 Dec 2023 07:39  
Operator : MA/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 67 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4164

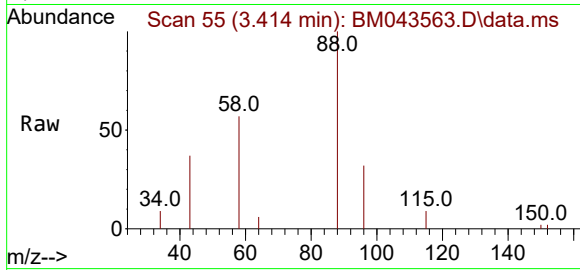
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM121123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 19 23:32:46 2023  
Response via : Initial Calibration



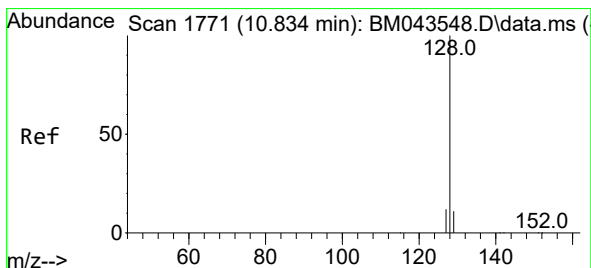
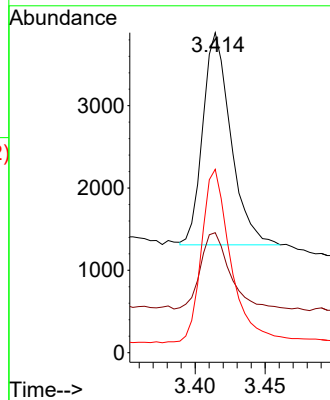
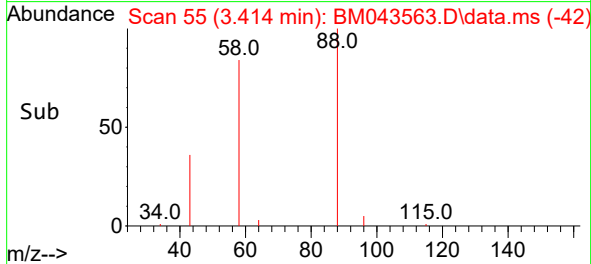


#2  
1,4-Dioxane  
Concen: 0.474 ng/ul  
RT: 3.414 min Scan# 51  
Delta R.T. -0.004 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

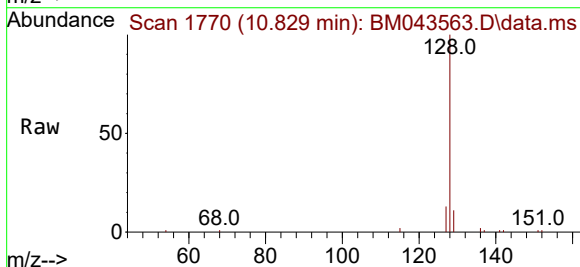
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BNA\_M  
ClientSampleId :  
SSTD0.4164



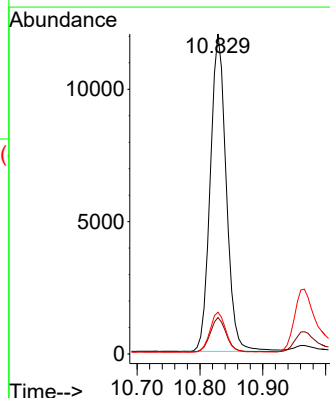
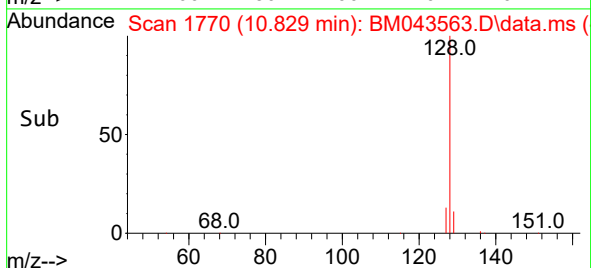
Tgt Ion: 88 Resp: 3580  
Ion Ratio Lower Upper  
88 100  
43 37.5 27.9 41.9  
58 57.3 43.4 65.2

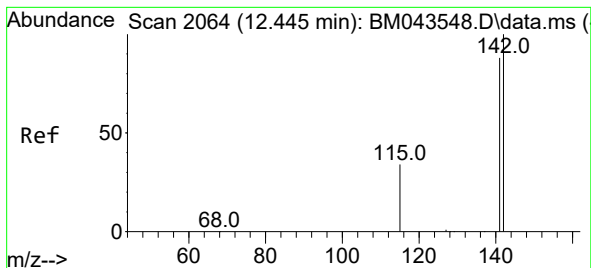


#5  
Naphthalene  
Concen: 0.403 ng/ul  
RT: 10.829 min Scan# 1770  
Delta R.T. -0.011 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39



Tgt Ion: 128 Resp: 21140  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.4  
127 13.1 10.3 15.5

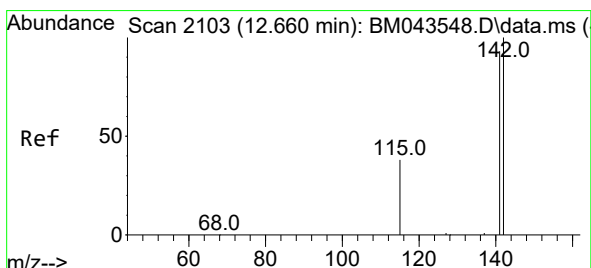
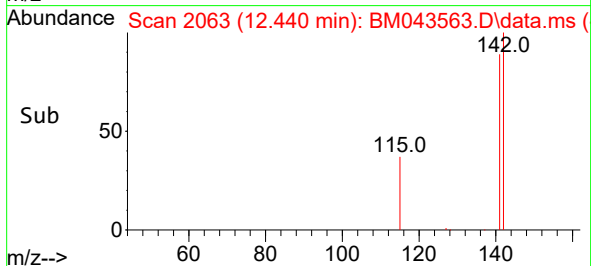
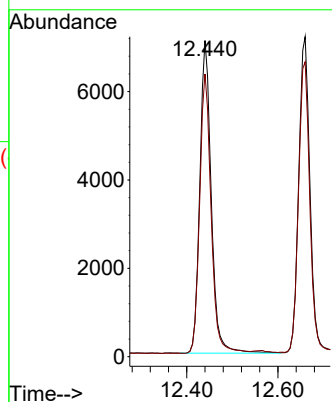
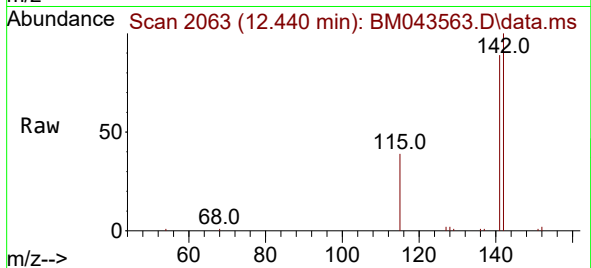




#7  
2-Methylnaphthalene  
Concen: 0.364 ng/ul  
RT: 12.440 min Scan# 2064  
Delta R.T. -0.011 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

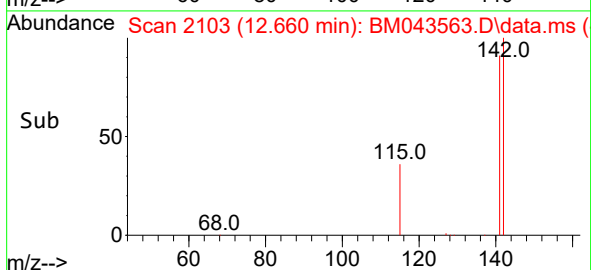
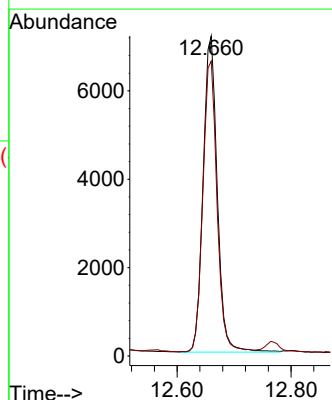
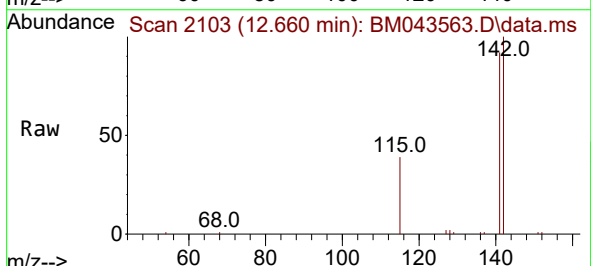
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4164

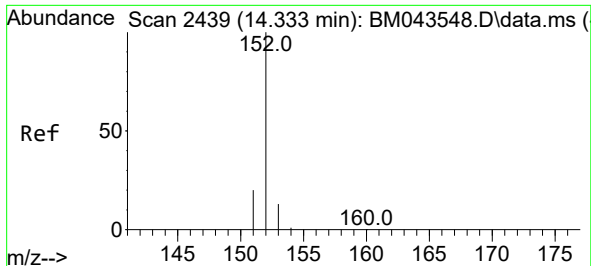
Tgt Ion:142 Resp: 12336  
Ion Ratio Lower Upper  
142 100  
141 89.2 70.9 106.3



#8  
1-Methylnaphthalene  
Concen: 0.362 ng/ul  
RT: 12.660 min Scan# 2103  
Delta R.T. -0.006 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:142 Resp: 12322  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.7 110.5

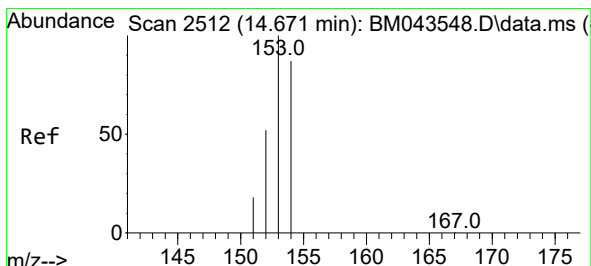
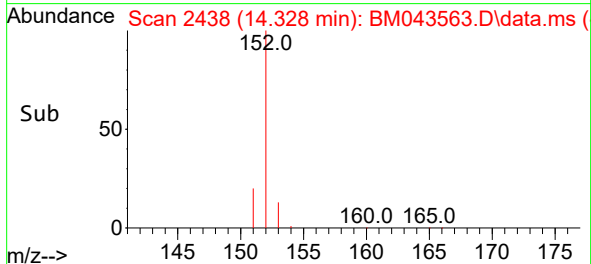
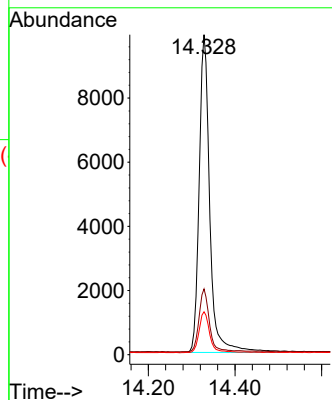
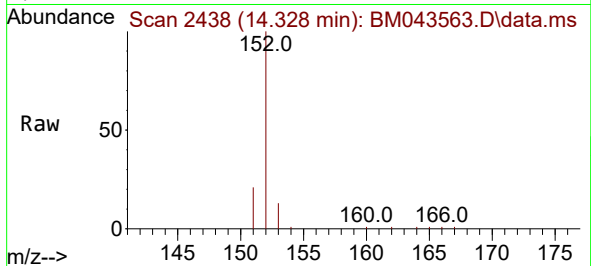




#10  
Acenaphthylene  
Concen: 0.403 ng/ul  
RT: 14.328 min Scan# 2438  
Delta R.T. -0.009 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

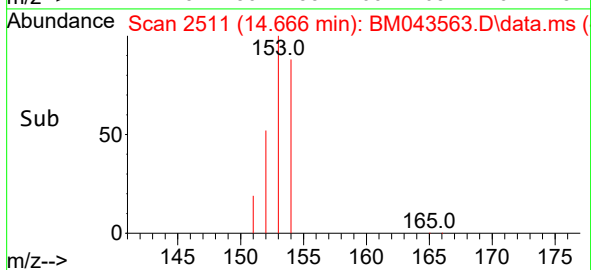
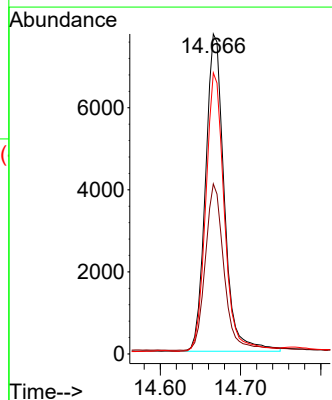
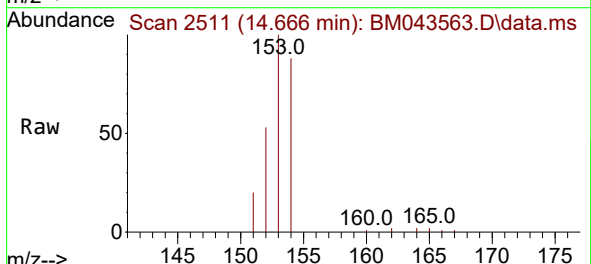
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ClientSampleId :  
SSTD0.4164

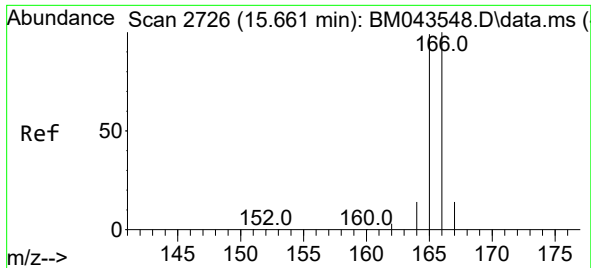
Tgt Ion:152 Resp: 16877  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.2 24.2  
153 13.4 10.4 15.6



#11  
Acenaphthene  
Concen: 0.411 ng/ul  
RT: 14.666 min Scan# 2511  
Delta R.T. -0.014 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:153 Resp: 12529  
Ion Ratio Lower Upper  
153 100  
152 53.1 42.1 63.1  
154 87.8 71.3 106.9

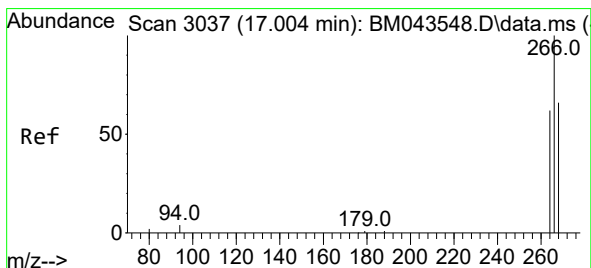
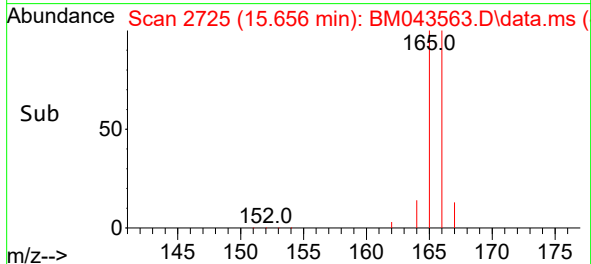
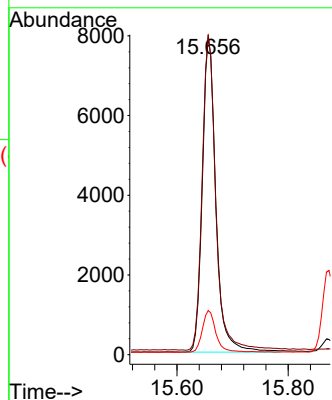
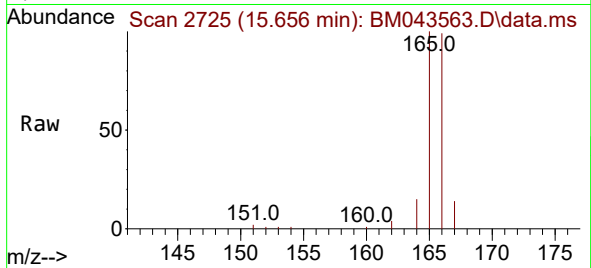




#12  
Fluorene  
Concen: 0.388 ng/ul  
RT: 15.656 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

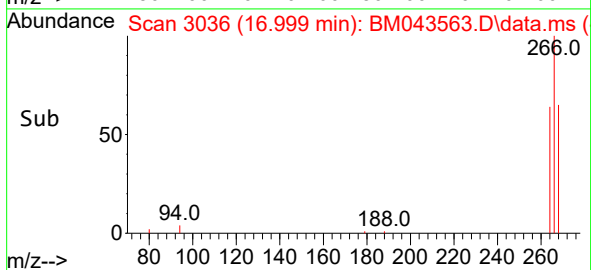
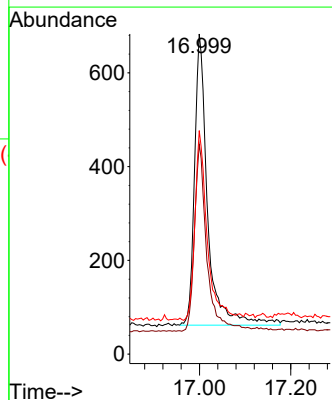
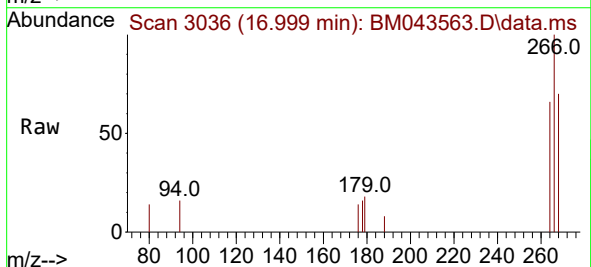
Instrument :  
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ClientSampleId :  
SSTD0.4164

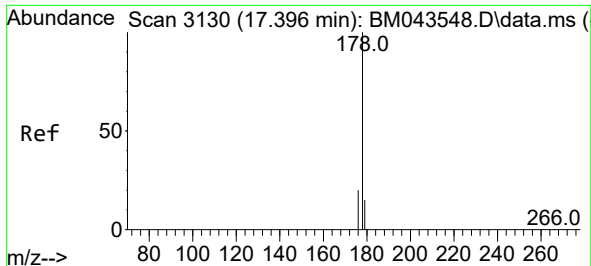
Tgt Ion:166 Resp: 13416  
Ion Ratio Lower Upper  
166 100  
165 100.9 80.3 120.5  
167 13.9 10.8 16.2



#14  
Pentachlorophenol  
Concen: 0.387 ng/ul  
RT: 16.999 min Scan# 3036  
Delta R.T. -0.008 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:266 Resp: 1237  
Ion Ratio Lower Upper  
266 100  
264 61.7 51.7 77.5  
268 61.9 51.9 77.9

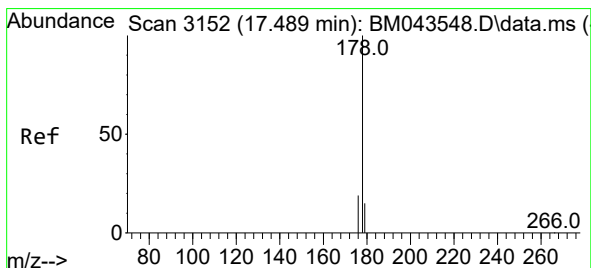
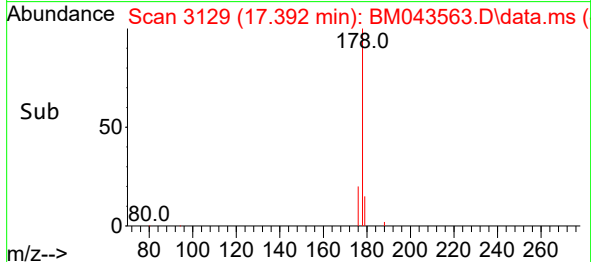
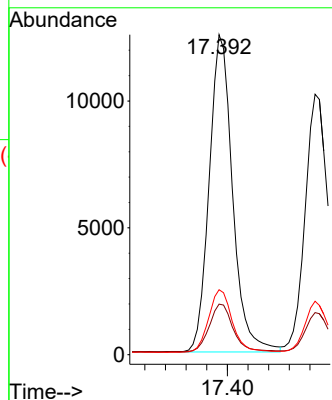
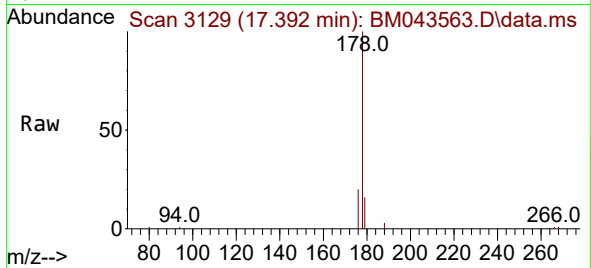




#15  
Phenanthrene  
Concen: 0.409 ng/ul  
RT: 17.392 min Scan# 311  
Delta R.T. -0.008 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

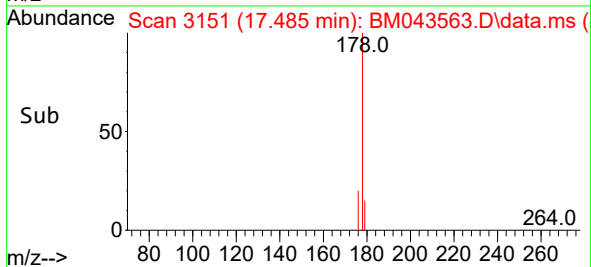
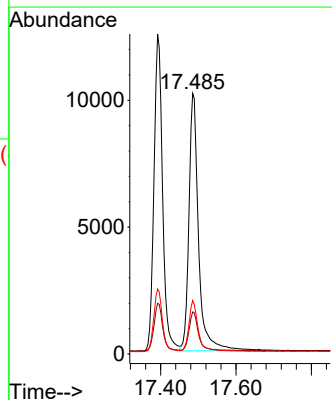
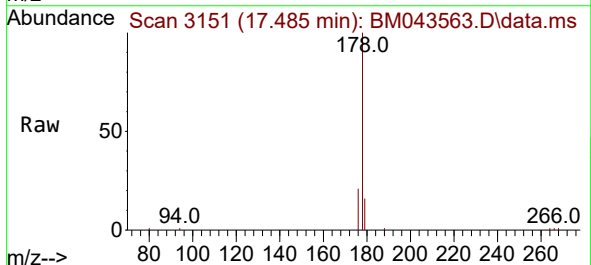
Instrument :  
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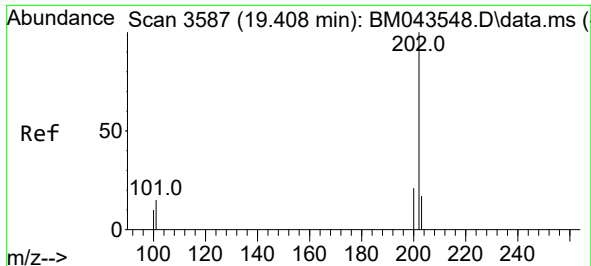
Tgt Ion:178 Resp: 19665  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.4 18.6  
176 20.3 16.2 24.2



#16  
Anthracene  
Concen: 0.411 ng/ul  
RT: 17.485 min Scan# 3151  
Delta R.T. -0.008 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:178 Resp: 17968  
Ion Ratio Lower Upper  
178 100  
179 16.2 12.6 18.8  
176 20.5 15.6 23.4

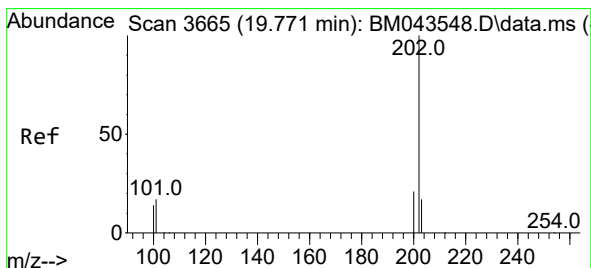
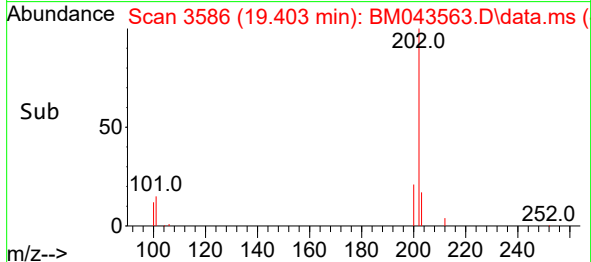
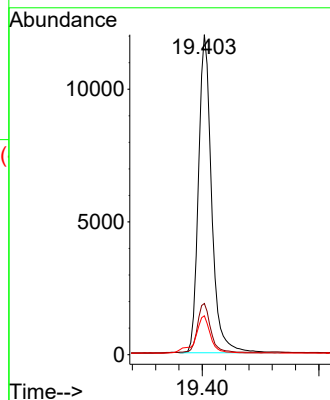
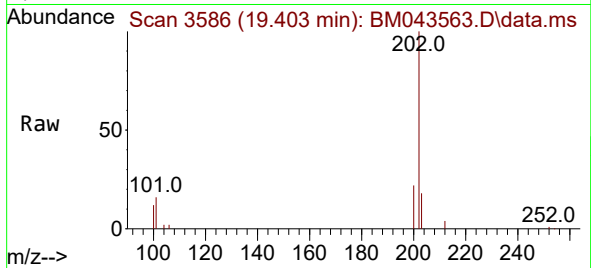




#19  
Fluoranthene  
Concen: 0.378 ng/ul  
RT: 19.403 min Scan# 3587  
Delta R.T. -0.009 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

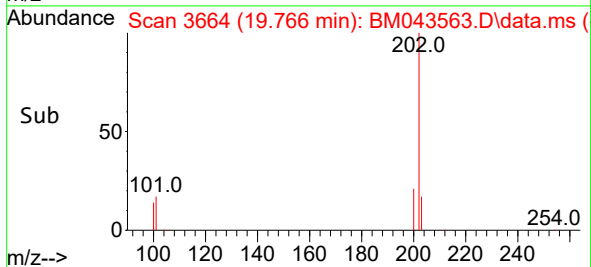
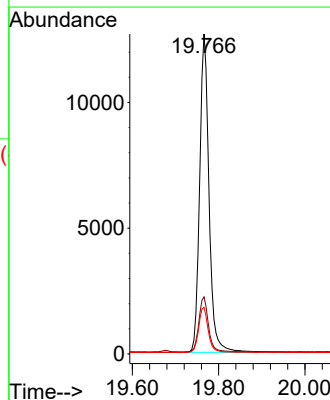
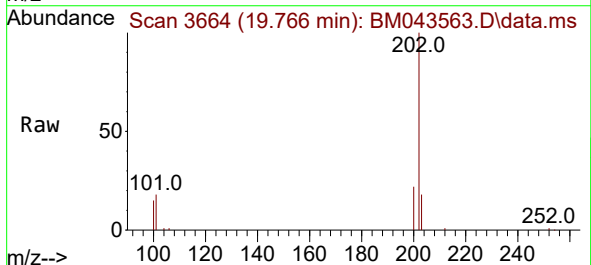
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4164

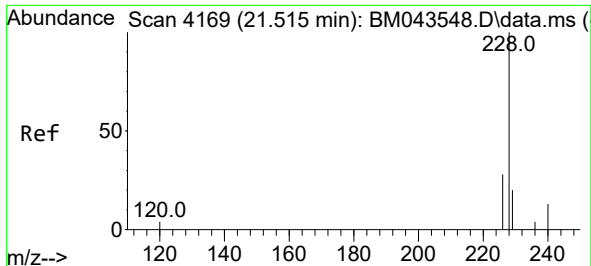
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Ion Ratio Lower Upper  
202 100  
101 16.0 10.1 15.1#  
100 12.2 7.4 11.2#



#20  
Pyrene  
Concen: 0.388 ng/ul  
RT: 19.766 min Scan# 3664  
Delta R.T. -0.009 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:202 Resp: 19118  
Ion Ratio Lower Upper  
202 100  
101 17.9 12.7 19.1  
100 14.6 9.8 14.8

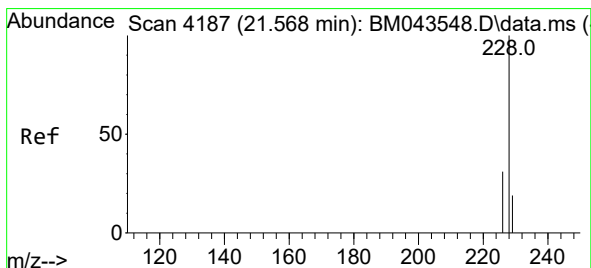
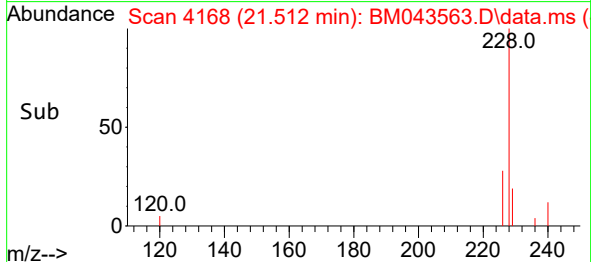
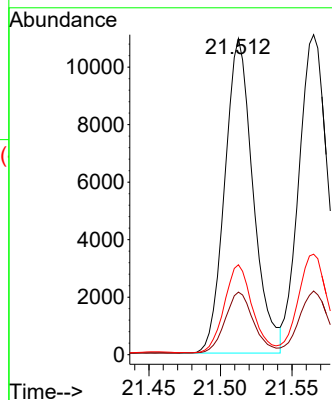
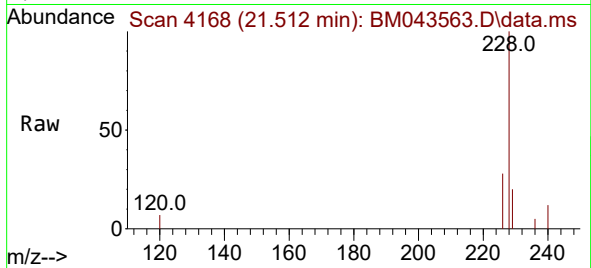




#21  
Benzo(a)anthracene  
Concen: 0.390 ng/ul  
RT: 21.512 min Scan# 4169  
Delta R.T. -0.009 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

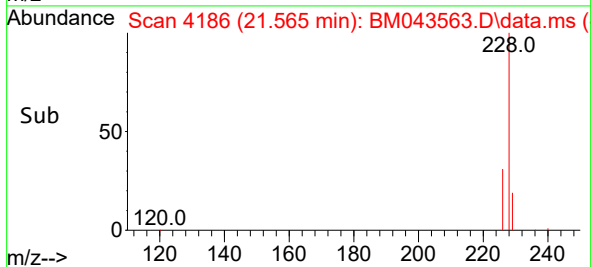
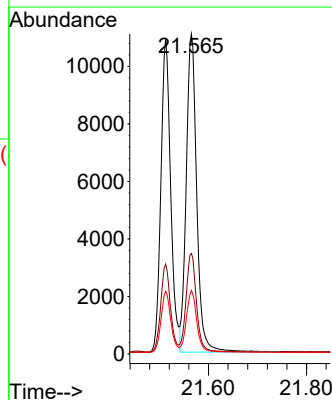
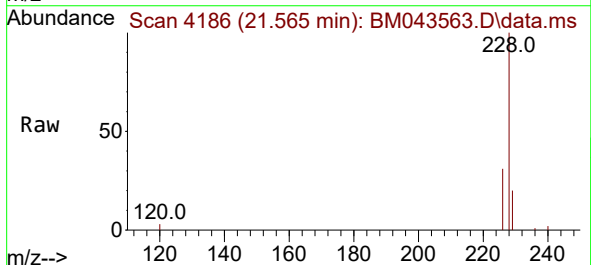
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4164

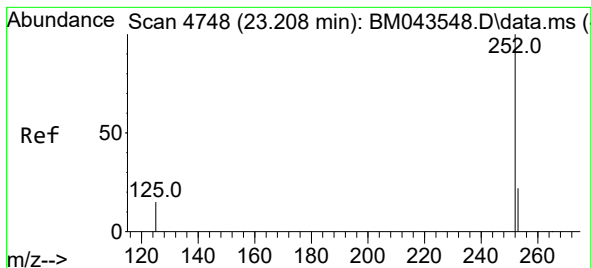
Tgt Ion:228 Resp: 15090  
Ion Ratio Lower Upper  
228 100  
229 19.8 15.5 23.3  
226 28.4 22.6 34.0



#22  
Chrysene  
Concen: 0.400 ng/ul  
RT: 21.565 min Scan# 4186  
Delta R.T. -0.009 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:228 Resp: 16313  
Ion Ratio Lower Upper  
228 100  
226 31.4 24.8 37.2  
229 19.9 15.7 23.5





#24

Benzo(b)fluoranthene

Concen: 0.362 ng/ul

RT: 23.205 min Scan# 4747

Delta R.T. -0.012 min

Lab File: BM043563.D

Acq: 23 Dec 2023 07:39

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4164

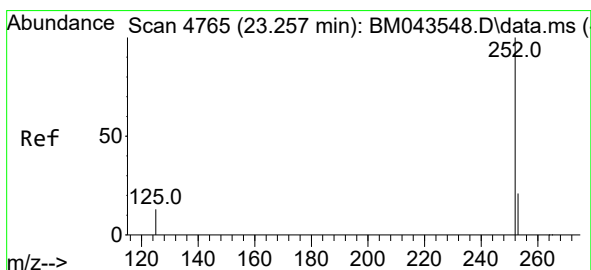
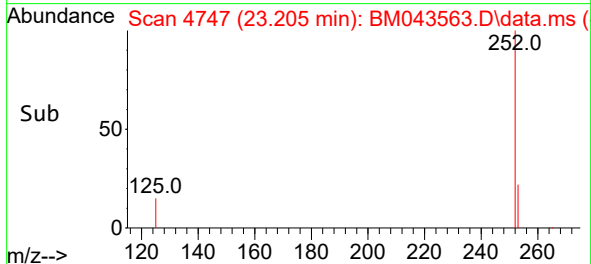
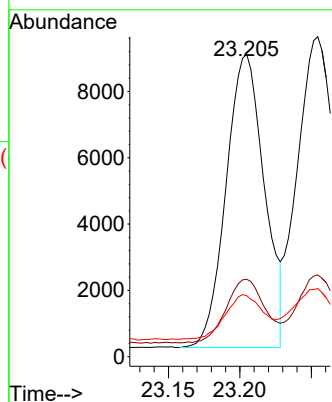
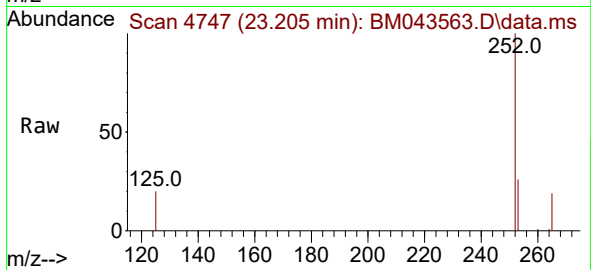
Tgt Ion:252 Resp: 16483

Ion Ratio Lower Upper

252 100

253 25.6 0.0 48.8

125 20.2 0.0 29.2



#25

Benzo(k)fluoranthene

Concen: 0.392 ng/ul

RT: 23.254 min Scan# 4764

Delta R.T. -0.012 min

Lab File: BM043563.D

Acq: 23 Dec 2023 07:39

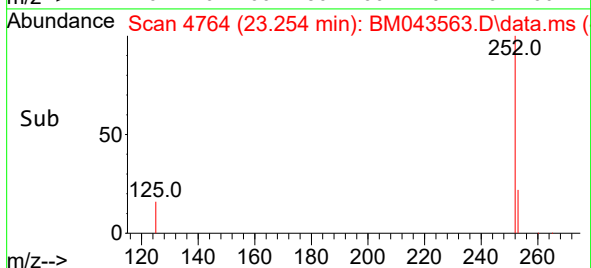
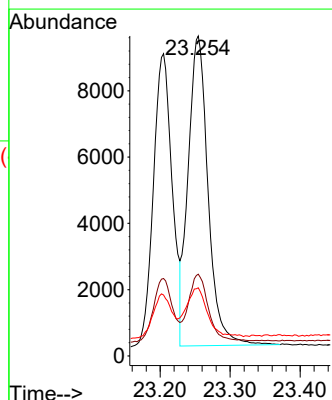
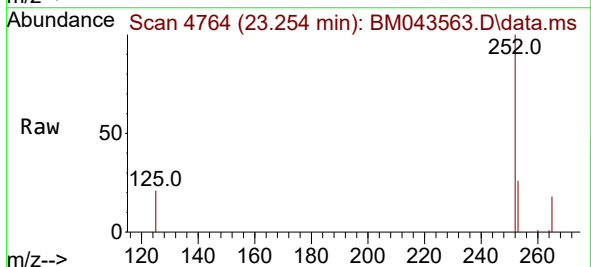
Tgt Ion:252 Resp: 18502

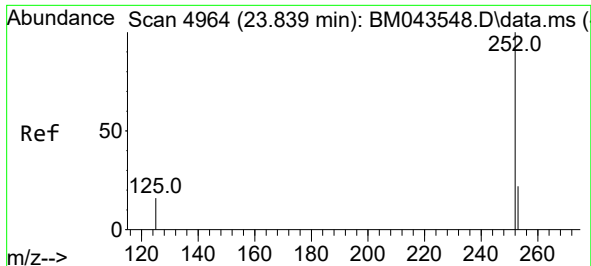
Ion Ratio Lower Upper

252 100

253 25.6 18.6 28.0

125 21.3 11.8 17.8#

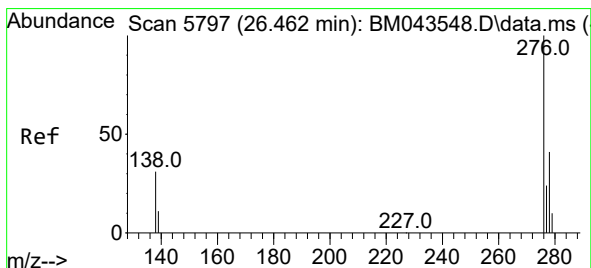
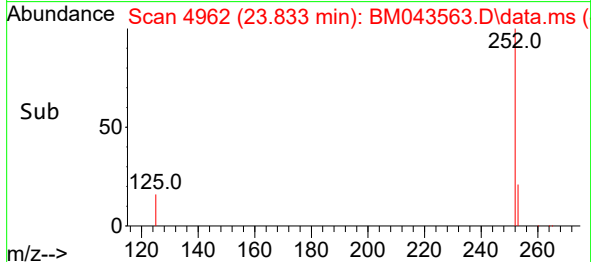
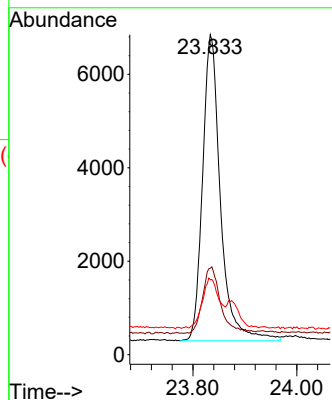
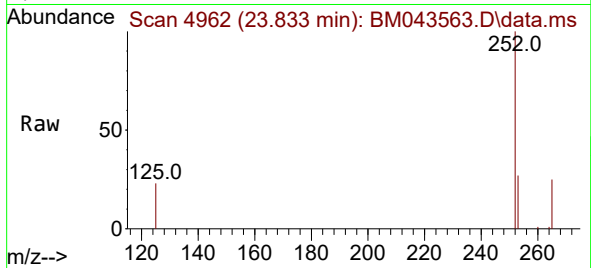




#26  
Benzo(a)pyrene  
Concen: 0.417 ng/ul  
RT: 23.833 min Scan# 4964  
Delta R.T. -0.015 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

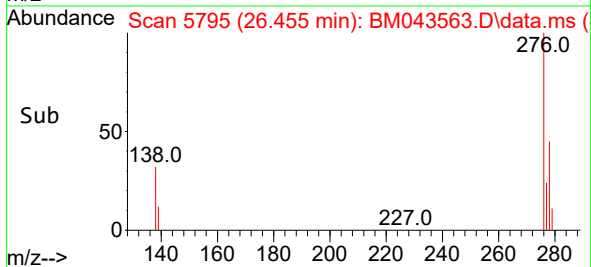
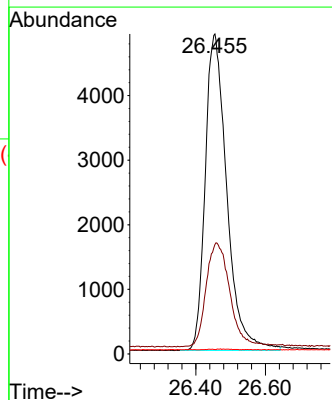
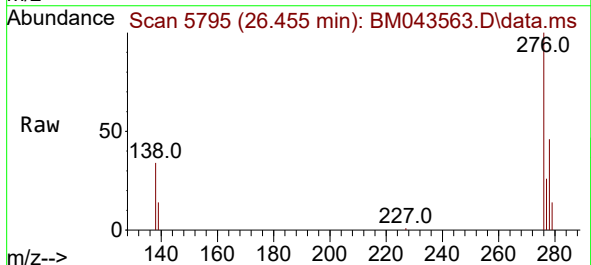
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4164

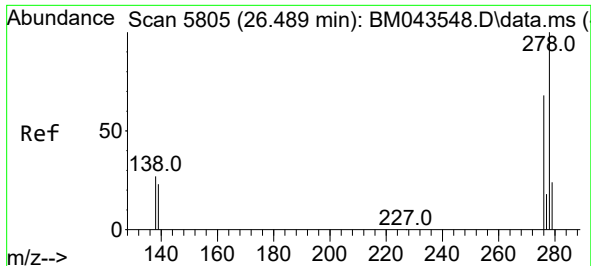
Tgt Ion:252 Resp: 15641  
Ion Ratio Lower Upper  
252 100  
253 27.0 20.2 30.2  
125 23.4 13.5 20.3#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.494 ng/ul  
RT: 26.455 min Scan# 5795  
Delta R.T. -0.021 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:276 Resp: 21114  
Ion Ratio Lower Upper  
276 100  
138 36.4 24.6 36.8  
227 0.0 0.0 0.0#

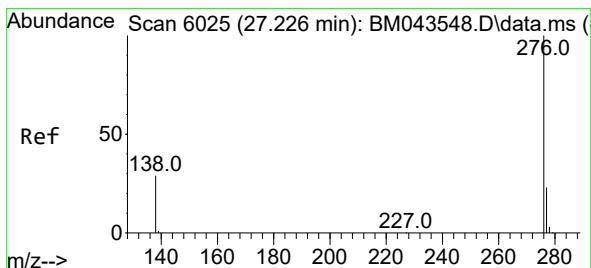
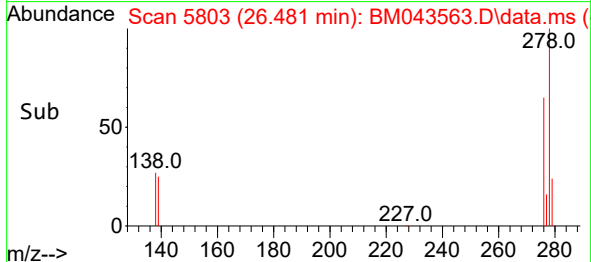
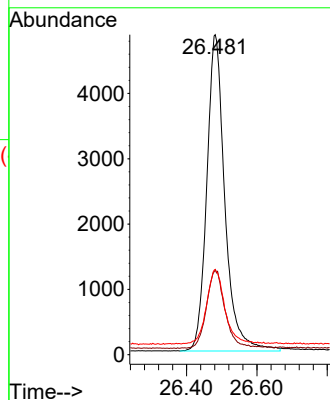
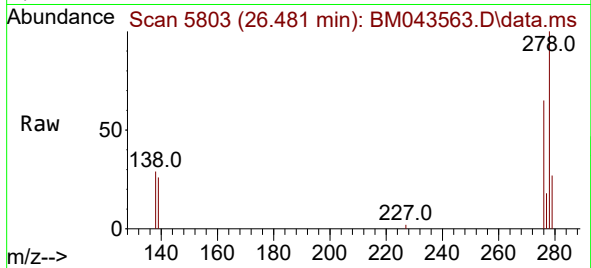




#28  
Dibenzo(a,h)anthracene  
Concen: 0.511 ng/ul  
RT: 26.481 min Scan# 5803  
Delta R.T. -0.017 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4164

Tgt Ion:278 Resp: 17291  
Ion Ratio Lower Upper  
278 100  
139 26.5 17.4 26.2#  
279 26.7 20.9 31.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.489 ng/ul  
RT: 27.223 min Scan# 6024  
Delta R.T. -0.021 min  
Lab File: BM043563.D  
Acq: 23 Dec 2023 07:39

Tgt Ion:276 Resp: 17831  
Ion Ratio Lower Upper  
276 100  
138 32.0 23.1 34.7  
277 24.2 19.4 29.0

