

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051523\  
 Data File : BM039929.D  
 Acq On : 15 May 2023 18:14  
 Operator : CG/JU  
 Sample : SSTD1.656  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD1.6033

Quant Time: May 16 00:51:18 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM051523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 16 00:46:17 2023  
 Response via : Initial Calibration

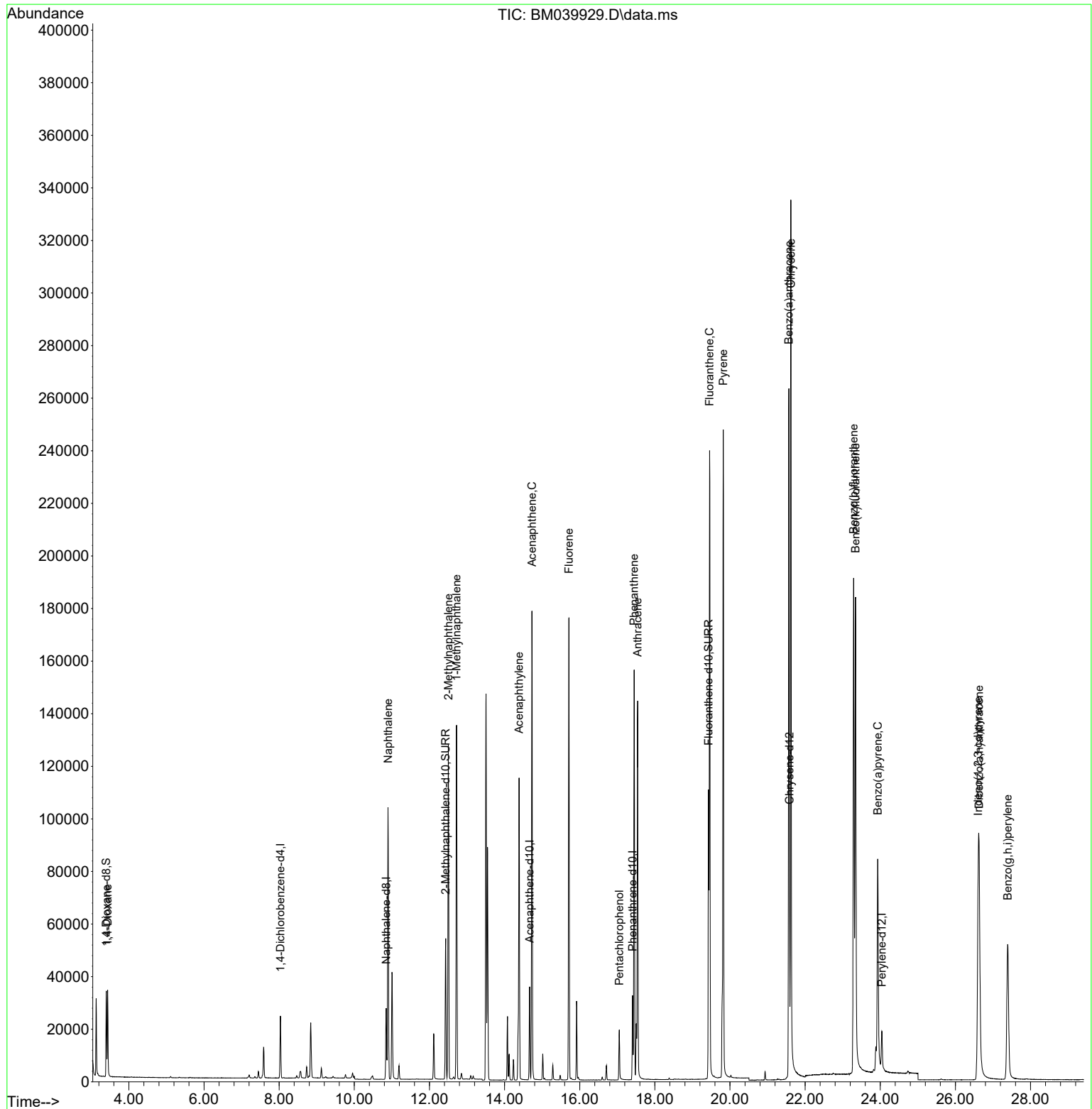
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.031  | 152  | 11297    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.848 | 136  | 34948    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.668 | 164  | 18598    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.407 | 188  | 34794    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.582 | 240  | 30482    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.040 | 264  | 20014    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.399  | 96   | 20523    | 1.233 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.432 | 152  | 65523    | 1.462 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.429 | 212  | 104220   | 1.271 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.433  | 88   | 21781    | 1.263 | ng/ul# | 89       |
| 5) Naphthalene              | 10.897 | 128  | 135658   | 1.546 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.503 | 142  | 84084    | 1.660 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.723 | 142  | 88852    | 1.635 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.386 | 152  | 123689   | 1.718 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.728 | 153  | 94759    | 1.676 | ng/ul  | 99       |
| 12) Fluorene                | 15.714 | 166  | 105527   | 1.682 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 17.052 | 266  | 12570    | 1.658 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.449 | 178  | 159705   | 1.742 | ng/ul  | 99       |
| 16) Anthracene              | 17.542 | 178  | 147198   | 1.870 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.457 | 202  | 201848   | 1.856 | ng/ul  | 96       |
| 20) Pyrene                  | 19.819 | 202  | 203815   | 1.736 | ng/ul  | 100      |
| 21) Benzo(a)anthracene      | 21.567 | 228  | 226847   | 2.588 | ng/ul  | 100      |
| 22) Chrysene                | 21.620 | 228  | 296345   | 2.988 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.292 | 252  | 242897   | 3.456 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.342 | 252  | 255113   | 3.565 | ng/ul  | 100      |
| 26) Benzo(a)pyrene          | 23.932 | 252  | 132741   | 2.103 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.608 | 276  | 148250   | 1.858 | ng/ul  | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.632 | 278  | 115843   | 1.870 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 27.393 | 276  | 118278   | 1.701 | ng/ul  | 99       |

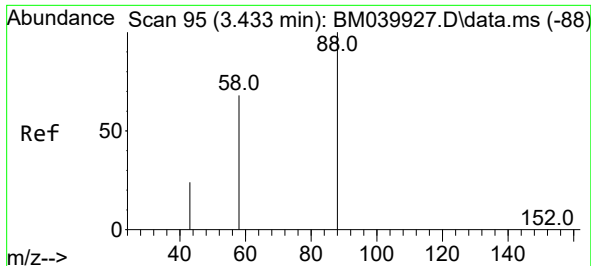
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM051523\  
Data File : BM039929.D  
Acq On : 15 May 2023 18:14  
Operator : CG/JU  
Sample : SST1.656  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_M  
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SSTD1.6033

Quant Time: May 16 00:51:18 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM051523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 16 00:46:17 2023  
Response via : Initial Calibration

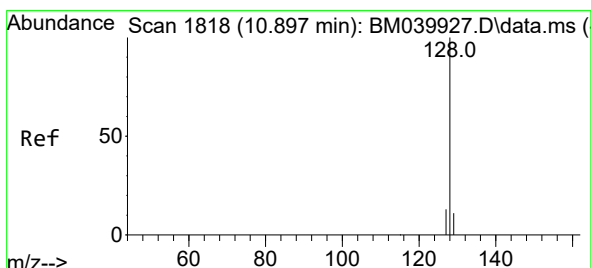
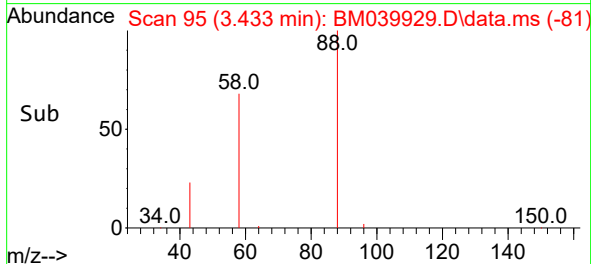
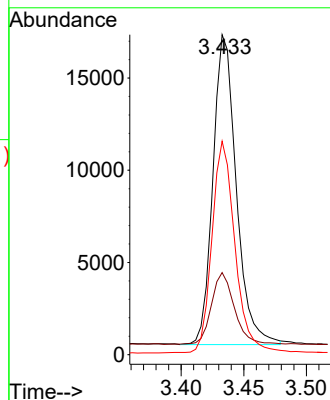
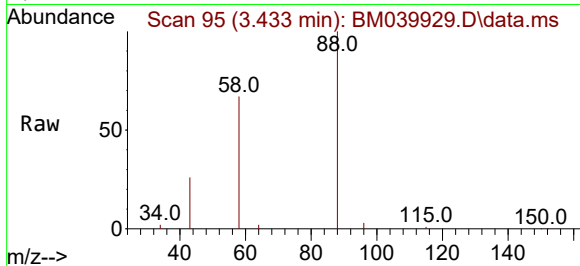




#2  
1,4-Dioxane  
Concen: 1.263 ng/ul  
RT: 3.433 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

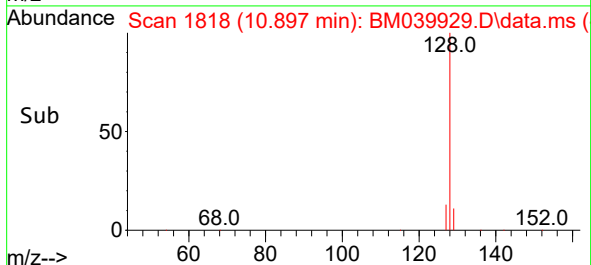
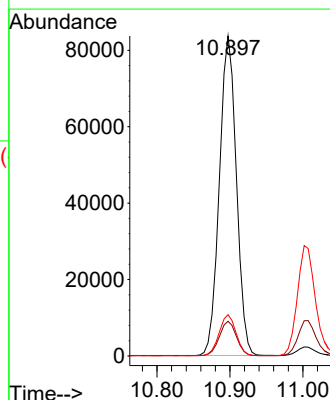
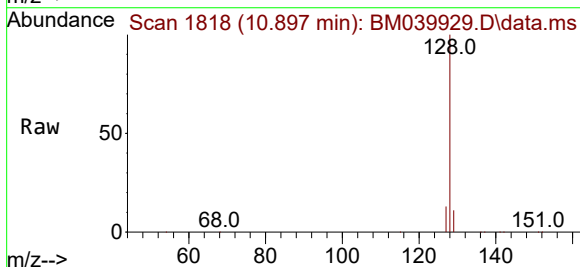
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BNA\_M  
ClientSampleId :  
SSTD1.6033

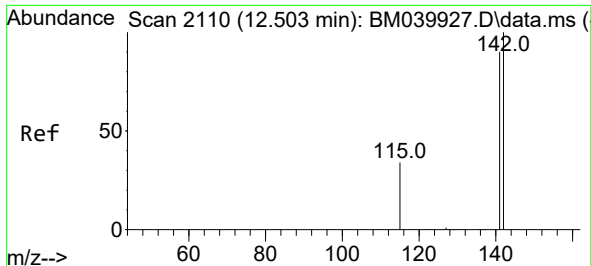
Tgt Ion: 88 Resp: 21781  
Ion Ratio Lower Upper  
88 100  
43 25.6 29.0 43.4#  
58 66.7 49.3 73.9



#5  
Naphthalene  
Concen: 1.546 ng/ul  
RT: 10.897 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion: 128 Resp: 135658  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 12.9 10.5 15.7

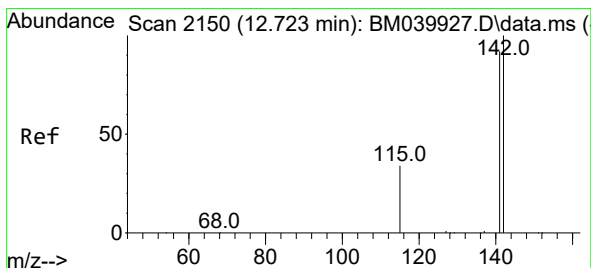
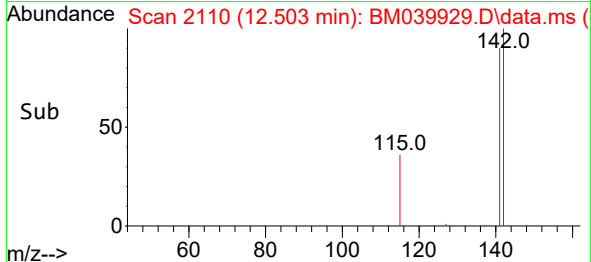
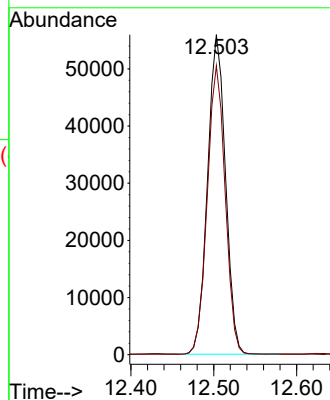
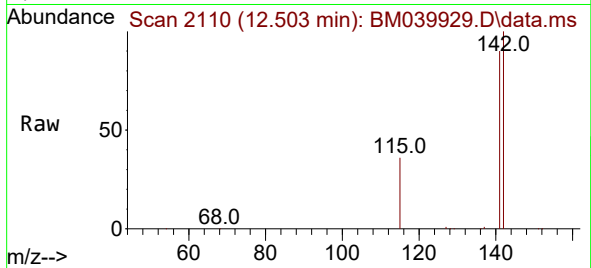




#7  
2-Methylnaphthalene  
Concen: 1.660 ng/ul  
RT: 12.503 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

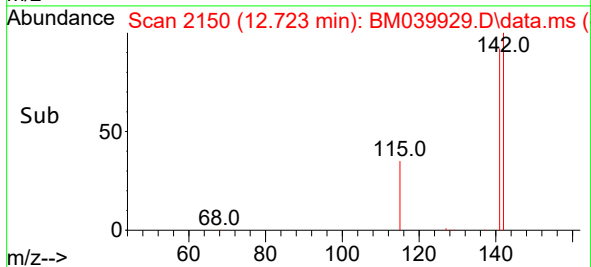
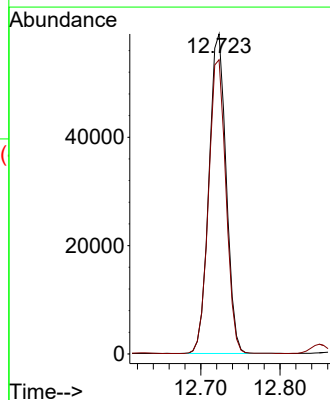
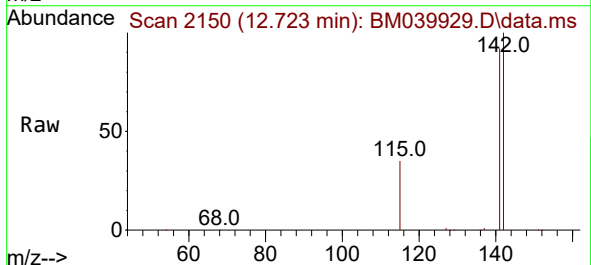
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD1.6033

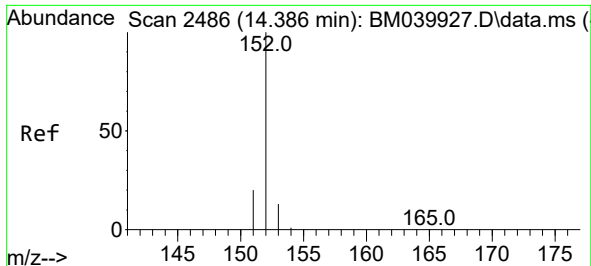
Tgt Ion:142 Resp: 84084  
Ion Ratio Lower Upper  
142 100  
141 90.2 72.0 108.0



#8  
1-Methylnaphthalene  
Concen: 1.635 ng/ul  
RT: 12.723 min Scan# 2150  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:142 Resp: 88852  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.3 111.5

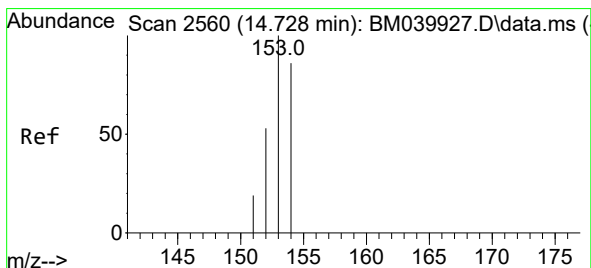
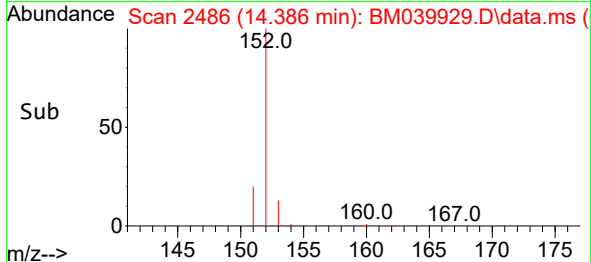
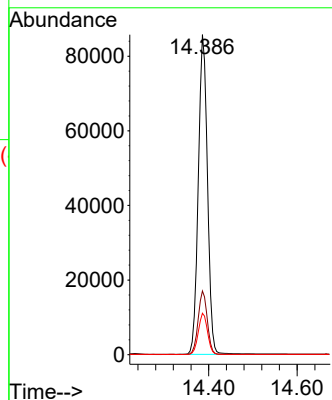
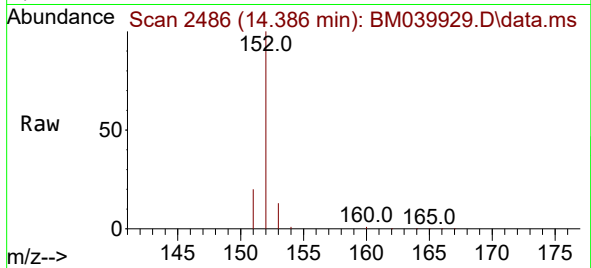




#10  
Acenaphthylene  
Concen: 1.718 ng/ul  
RT: 14.386 min Scan# 2486  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

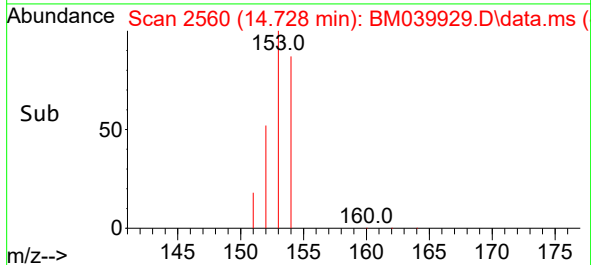
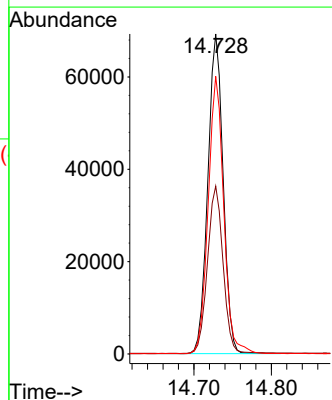
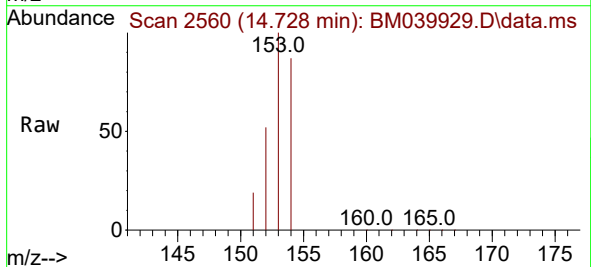
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BNA\_M  
ClientSampleId :  
SSTD1.6033

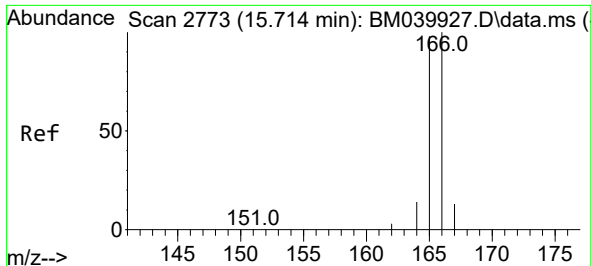
Tgt Ion:152 Resp: 123689  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.3 24.5  
153 13.0 10.7 16.1



#11  
Acenaphthene  
Concen: 1.676 ng/ul  
RT: 14.728 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:153 Resp: 94759  
Ion Ratio Lower Upper  
153 100  
152 52.5 42.6 63.8  
154 86.7 68.6 103.0

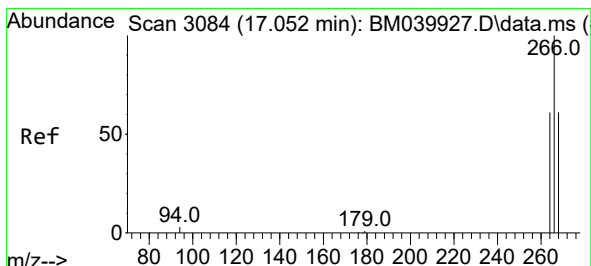
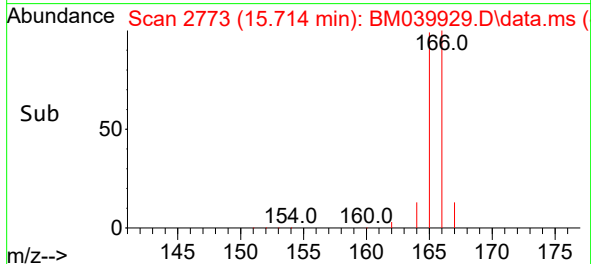
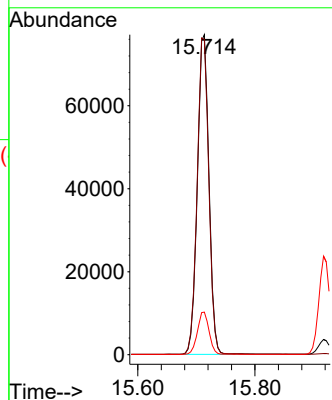
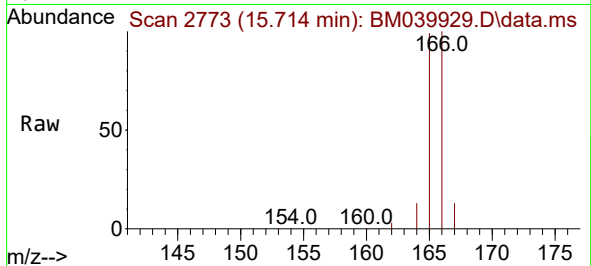




#12  
Fluorene  
Concen: 1.682 ng/ul  
RT: 15.714 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

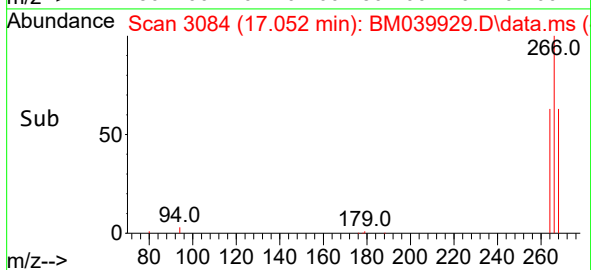
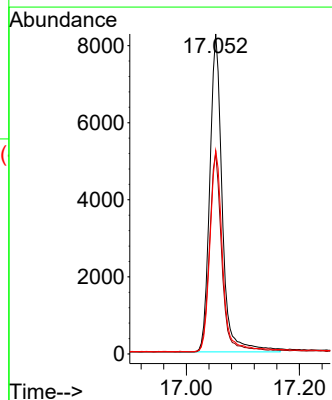
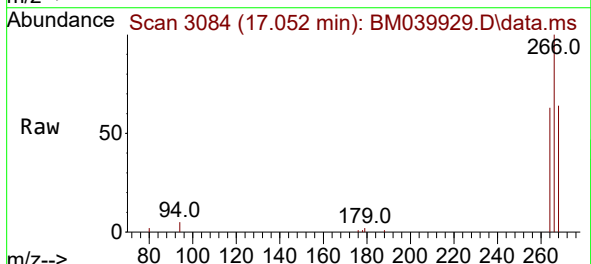
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ClientSampleId :  
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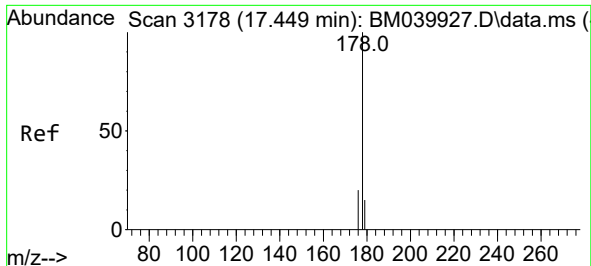
Tgt Ion:166 Resp: 105527  
Ion Ratio Lower Upper  
166 100  
165 98.5 78.8 118.2  
167 13.3 10.9 16.3



#14  
Pentachlorophenol  
Concen: 1.658 ng/ul  
RT: 17.052 min Scan# 3084  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:266 Resp: 12570  
Ion Ratio Lower Upper  
266 100  
264 62.6 49.6 74.4  
268 64.5 49.6 74.4

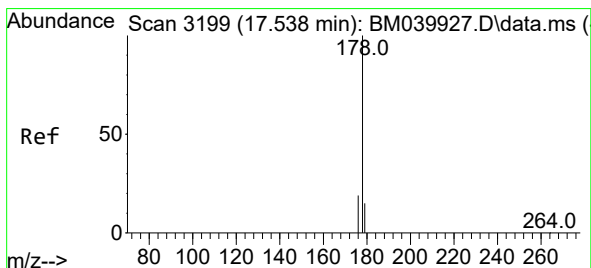
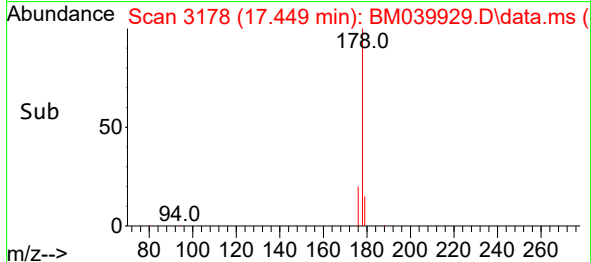
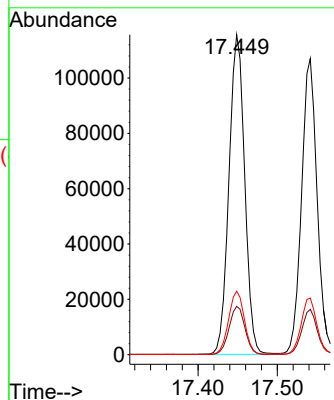
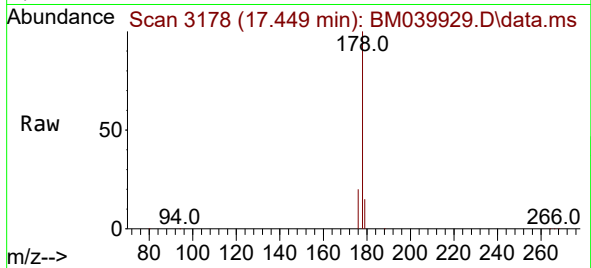




#15  
Phenanthrene  
Concen: 1.742 ng/ul  
RT: 17.449 min Scan# 3178  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

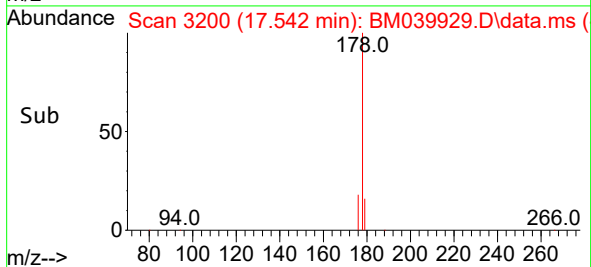
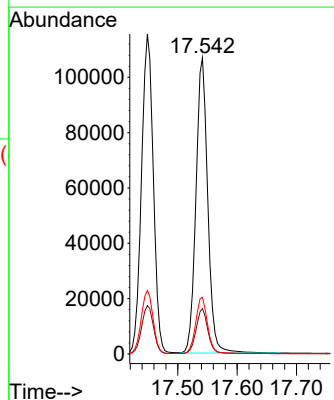
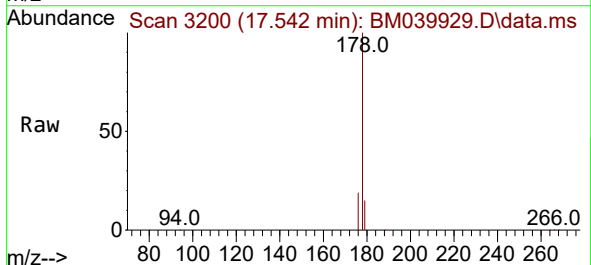
Instrument :  
BNA\_M  
ClientSampleId :  
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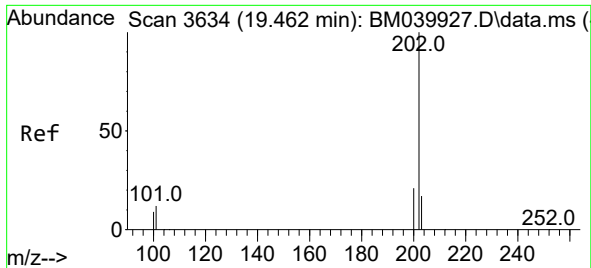
Tgt Ion:178 Resp: 159705  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.4 18.6  
176 19.8 16.0 24.0



#16  
Anthracene  
Concen: 1.870 ng/ul  
RT: 17.542 min Scan# 3200  
Delta R.T. 0.004 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:178 Resp: 147198  
Ion Ratio Lower Upper  
178 100  
179 15.3 12.4 18.6  
176 19.1 15.6 23.4

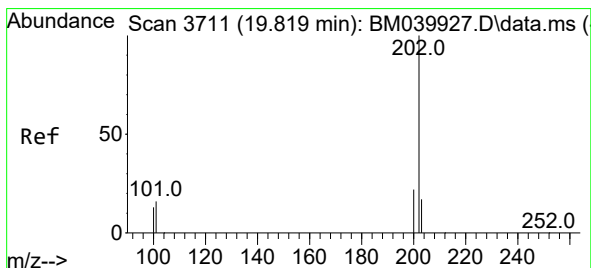
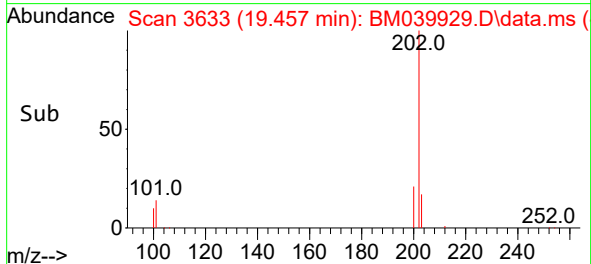
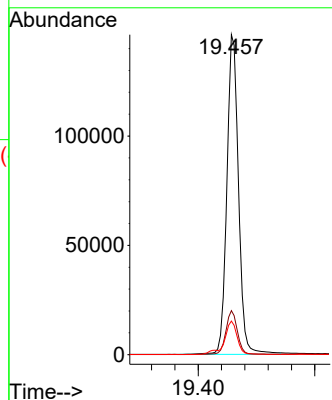
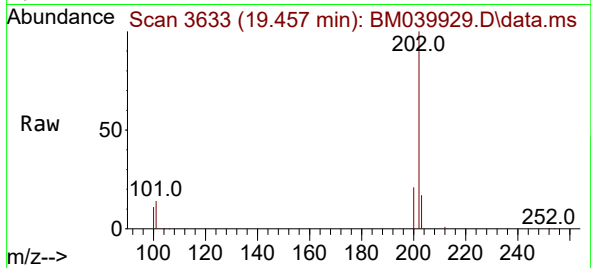




#19  
Fluoranthene  
Concen: 1.856 ng/ul  
RT: 19.457 min Scan# 3633  
Delta R.T. -0.005 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

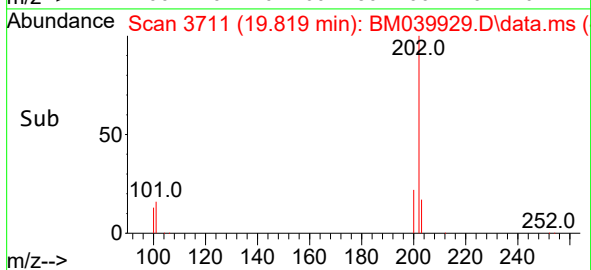
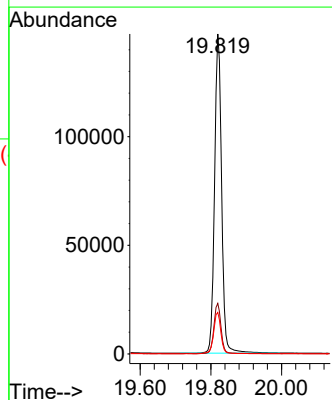
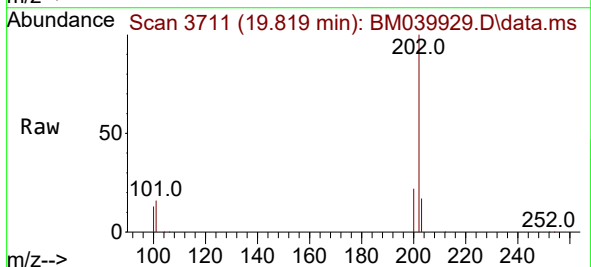
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD1.6033

Tgt Ion:202 Resp: 201848  
Ion Ratio Lower Upper  
202 100  
101 13.8 9.9 14.9  
100 10.5 7.4 11.0

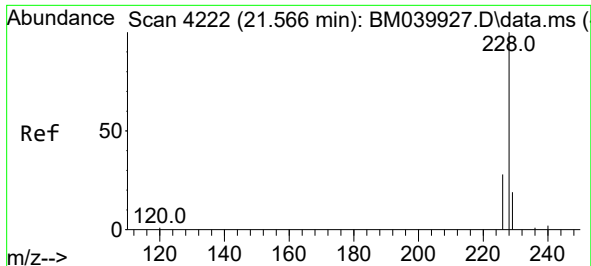


#20  
Pyrene  
Concen: 1.736 ng/ul  
RT: 19.819 min Scan# 3711  
Delta R.T. -0.000 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:202 Resp: 203815  
Ion Ratio Lower Upper  
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101 15.8 12.7 19.1  
100 13.0 10.4 15.6

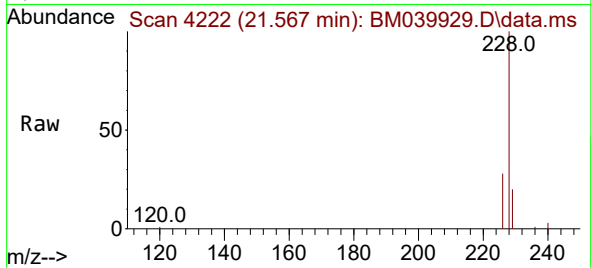




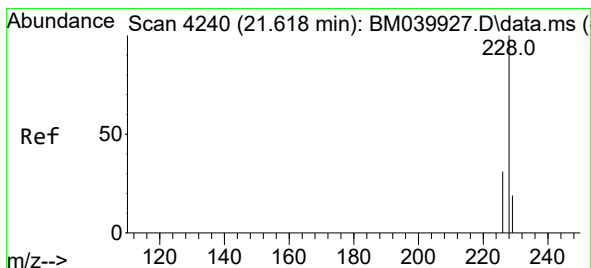
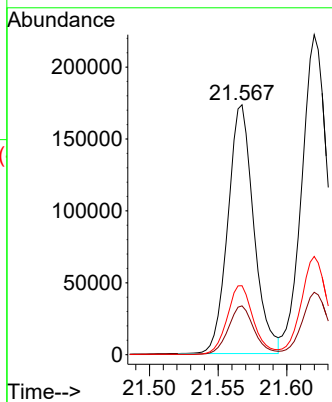
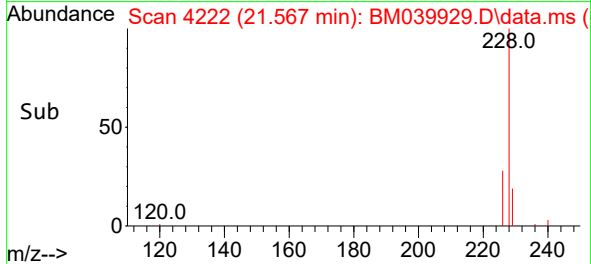


#21  
Benzo(a)anthracene  
Concen: 2.588 ng/ul  
RT: 21.567 min Scan# 4222  
Delta R.T. 0.002 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD1.6033

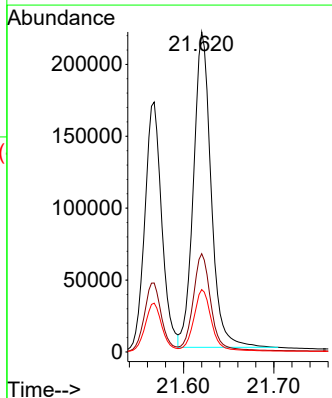
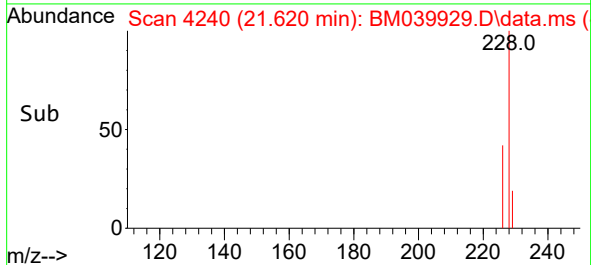
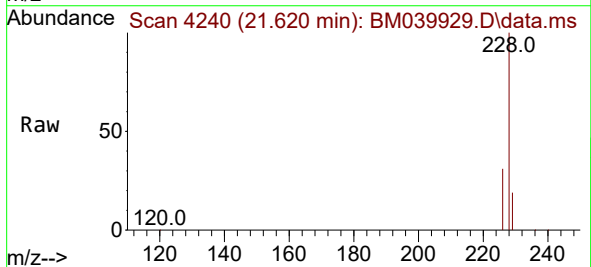


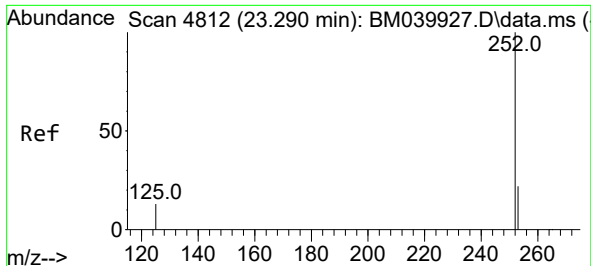
Tgt Ion:228 Resp: 226847  
Ion Ratio Lower Upper  
228 100  
229 19.5 15.5 23.3  
226 27.6 22.2 33.4



#22  
Chrysene  
Concen: 2.988 ng/ul  
RT: 21.620 min Scan# 4240  
Delta R.T. 0.002 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

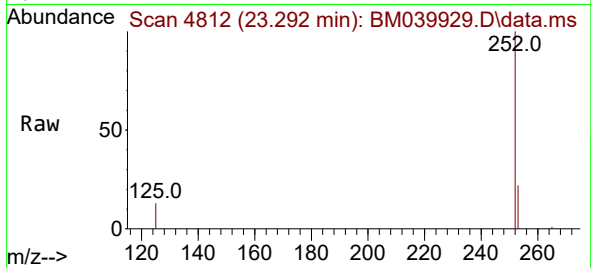
Tgt Ion:228 Resp: 296345  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.6 37.0  
229 19.5 15.4 23.2



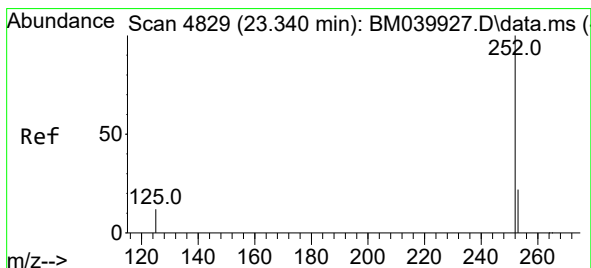
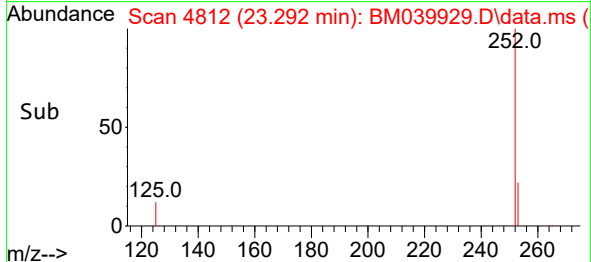
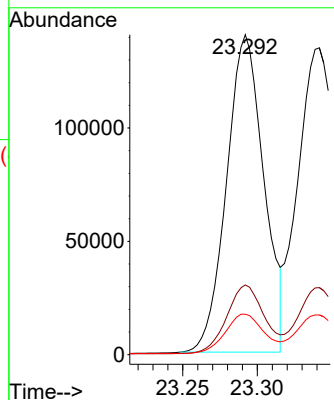


#24  
Benzo(b)fluoranthene  
Concen: 3.456 ng/ul  
RT: 23.292 min Scan# 4812  
Delta R.T. 0.002 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD1.6033

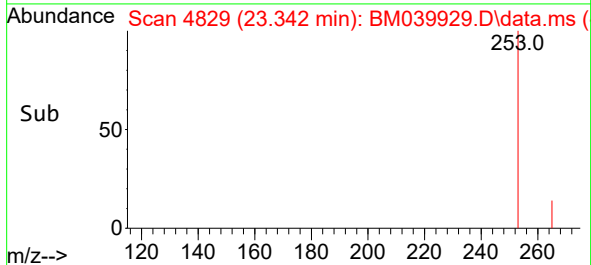
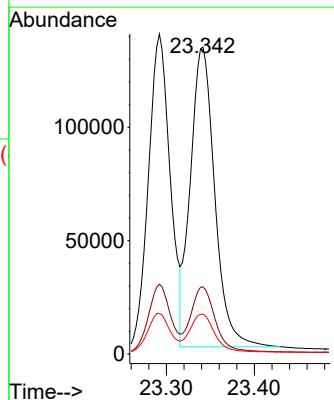
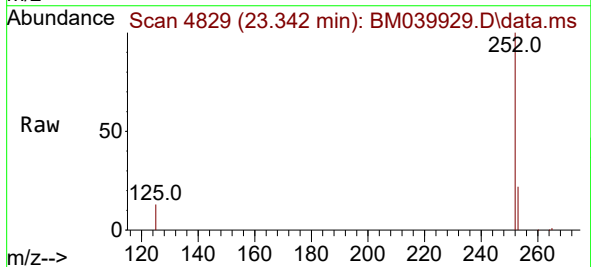


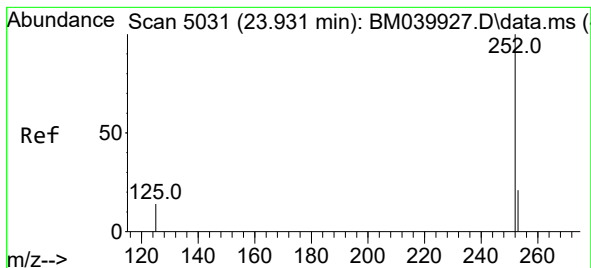
Tgt Ion:252 Resp: 242897  
Ion Ratio Lower Upper  
252 100  
253 21.8 0.0 43.8  
125 12.7 0.0 26.4



#25  
Benzo(k)fluoranthene  
Concen: 3.565 ng/ul  
RT: 23.342 min Scan# 4829  
Delta R.T. 0.002 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:252 Resp: 255113  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 12.9 10.6 15.8





#26

Benzo(a)pyrene

Concen: 2.103 ng/ul

RT: 23.932 min Scan# 5031

Delta R.T. 0.002 min

Lab File: BM039929.D

Acq: 15 May 2023 18:14

Instrument :

BNA\_M

ClientSampleId :

SSTD1.6033

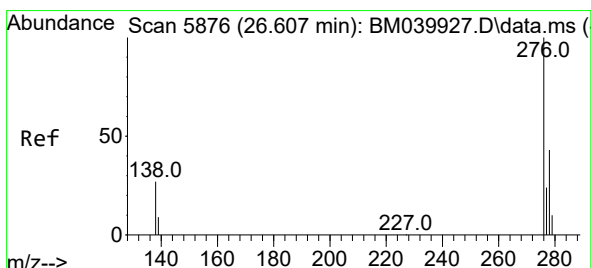
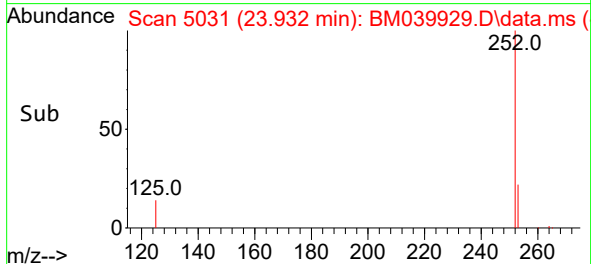
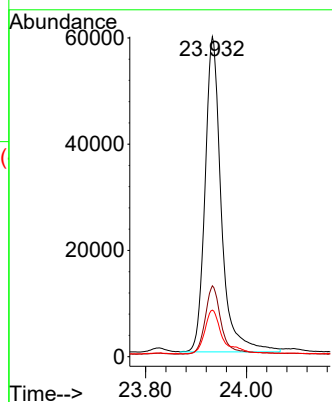
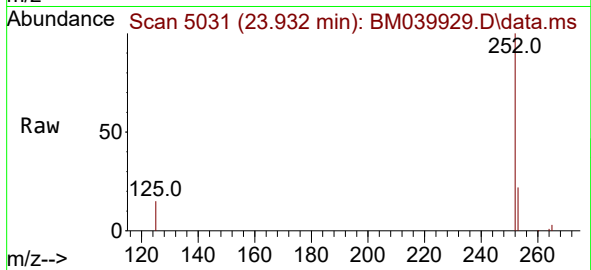
Tgt Ion:252 Resp: 132741

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 14.5 12.3 18.5



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.858 ng/ul

RT: 26.608 min Scan# 5876

Delta R.T. 0.002 min

Lab File: BM039929.D

Acq: 15 May 2023 18:14

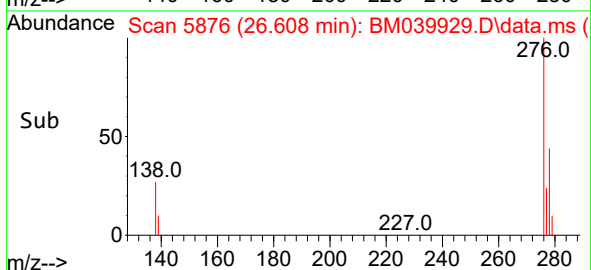
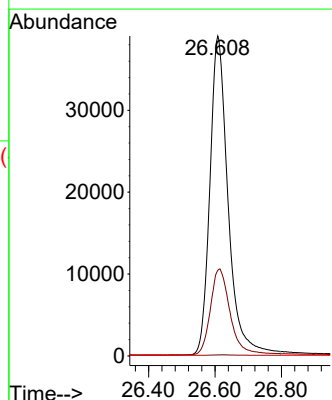
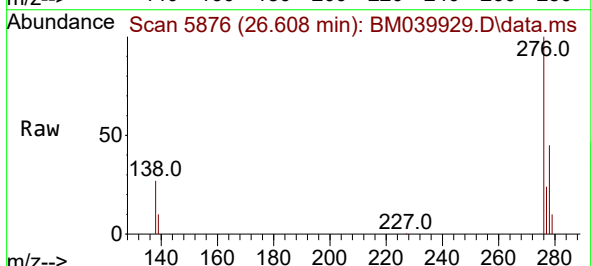
Tgt Ion:276 Resp: 148250

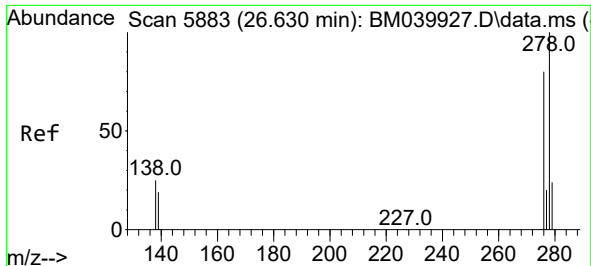
Ion Ratio Lower Upper

276 100

138 29.2 23.0 34.4

227 0.2 0.2 0.2

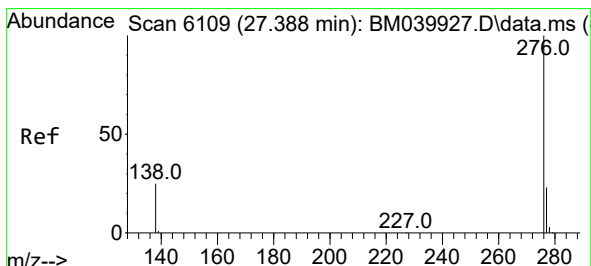
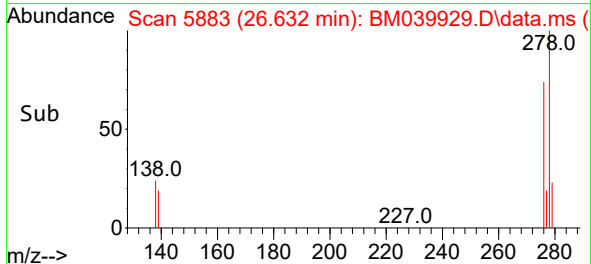
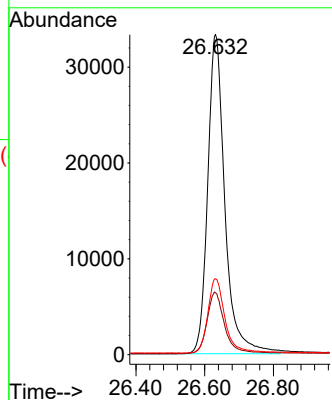
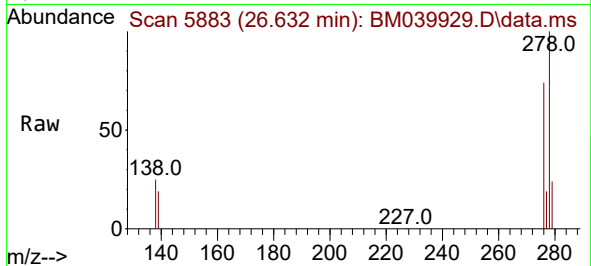




#28  
Dibenzo(a,h)anthracene  
Concen: 1.870 ng/ul  
RT: 26.632 min Scan# 51  
Delta R.T. 0.002 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD1.6033

Tgt Ion:278 Resp: 115843  
Ion Ratio Lower Upper  
278 100  
139 19.3 16.3 24.5  
279 23.7 20.3 30.5



#29  
Benzo(g,h,i)perylene  
Concen: 1.701 ng/ul  
RT: 27.393 min Scan# 6110  
Delta R.T. 0.005 min  
Lab File: BM039929.D  
Acq: 15 May 2023 18:14

Tgt Ion:276 Resp: 118278  
Ion Ratio Lower Upper  
276 100  
138 25.0 20.7 31.1  
277 23.4 19.2 28.8

