

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM123022\  
 Data File : BM038353.D  
 Acq On : 30 Dec 2022 15:32  
 Operator : CG/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD0.4058

Quant Time: Dec 30 22:52:17 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM123022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 30 01:43:54 2022  
 Response via : Initial Calibration

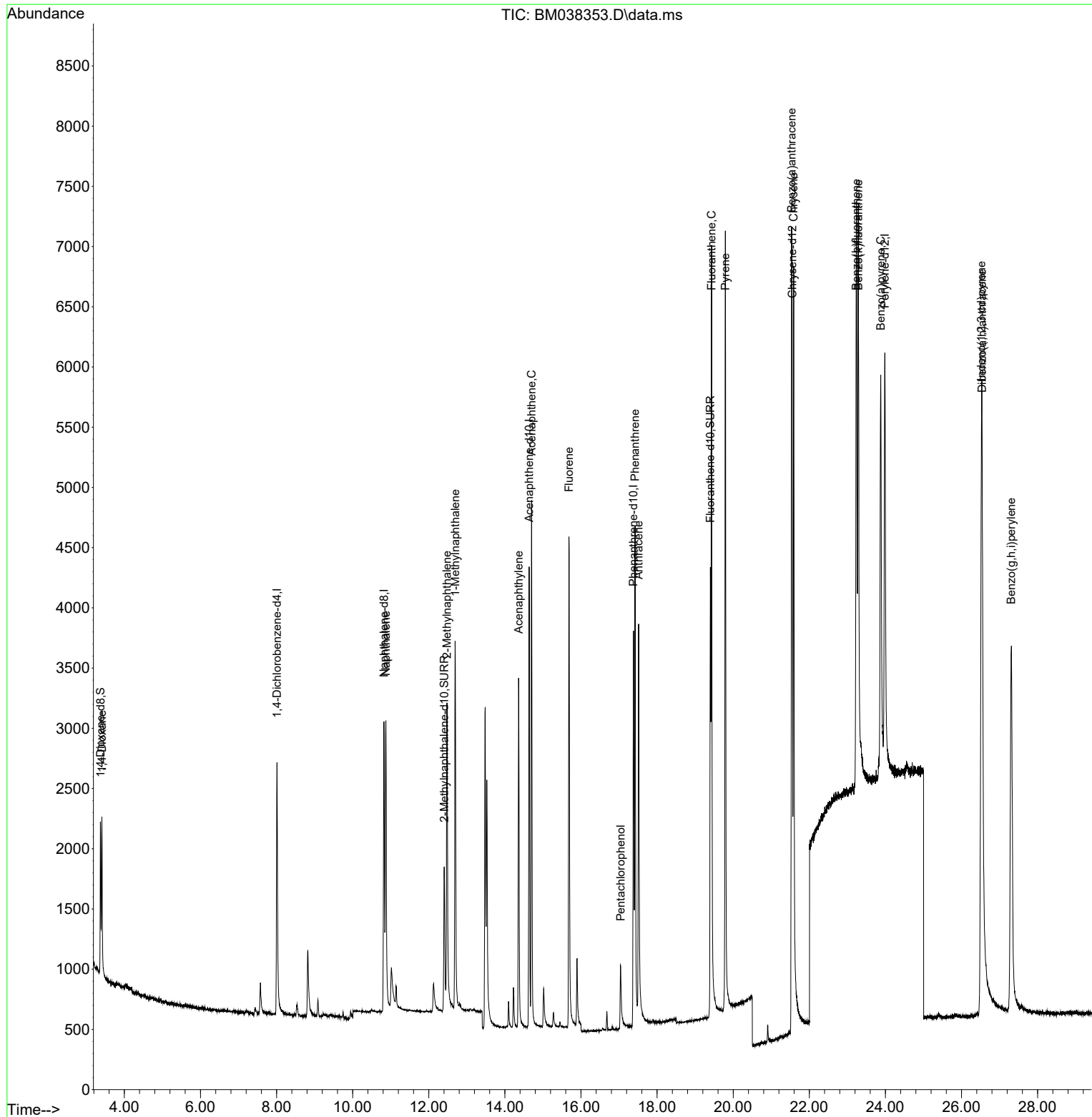
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.013  | 152  | 1356     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.823 | 136  | 3845     | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.638 | 164  | 2168     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.379 | 188  | 4590     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.551 | 240  | 4846     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.985 | 264  | 5428     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.372  | 96   | 813      | 0.402 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.407 | 152  | 2091     | 0.362 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.399 | 212  | 4987     | 0.363 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.410  | 88   | 779      | 0.376 | ng/ul  | 100      |
| 5) Naphthalene              | 10.873 | 128  | 3734     | 0.364 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.478 | 142  | 2228     | 0.353 | ng/ul  | 95       |
| 8) 1-Methylnaphthalene      | 12.693 | 142  | 2329     | 0.362 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.361 | 152  | 3669     | 0.364 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.703 | 153  | 2686     | 0.359 | ng/ul  | 98       |
| 12) Fluorene                | 15.684 | 166  | 3039     | 0.358 | ng/ul  | 97       |
| 14) Pentachlorophenol       | 17.042 | 266  | 581      | 0.355 | ng/ul  | 97       |
| 15) Phenanthrene            | 17.422 | 178  | 4747     | 0.350 | ng/ul  | 99       |
| 16) Anthracene              | 17.514 | 178  | 4455     | 0.357 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.431 | 202  | 6087     | 0.363 | ng/ul  | 99       |
| 20) Pyrene                  | 19.794 | 202  | 6482     | 0.362 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.533 | 228  | 5821     | 0.361 | ng/ul  | 99       |
| 22) Chrysene                | 21.589 | 228  | 6158     | 0.362 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.237 | 252  | 7203     | 0.366 | ng/ul  | 99       |
| 25) Benzo(k)fluoranthene    | 23.287 | 252  | 7083     | 0.362 | ng/ul  | 98       |
| 26) Benzo(a)pyrene          | 23.877 | 252  | 6621     | 0.356 | ng/ul  | 98       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.522 | 276  | 9385     | 0.345 | ng/ul# | 60       |
| 28) Dibenzo(a,h)anthracene  | 26.542 | 278  | 7395     | 0.347 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.307 | 276  | 8335     | 0.345 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

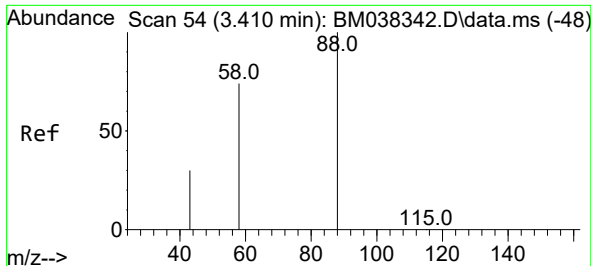
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM123022\  
Data File : BM038353.D  
Acq On : 30 Dec 2022 15:32  
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Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

Quant Time: Dec 30 22:52:17 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM123022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 30 01:43:54 2022  
Response via : Initial Calibration

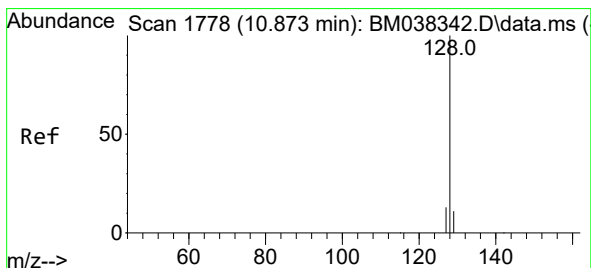
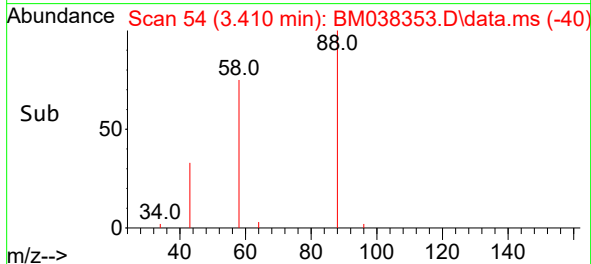
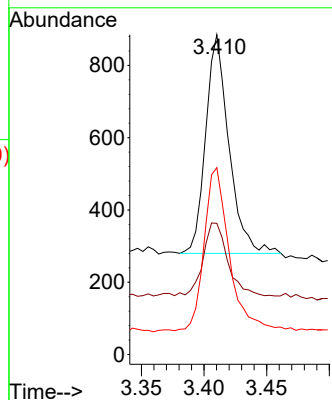
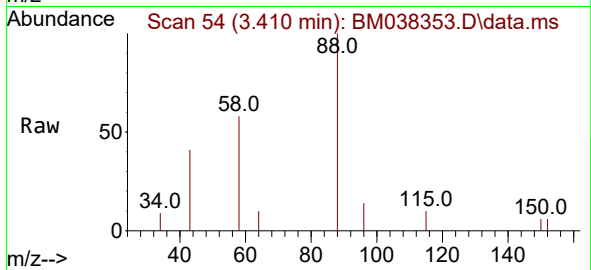




#2  
1,4-Dioxane  
Concen: 0.376 ng/ul  
RT: 3.410 min Scan# 54  
Delta R.T. 0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

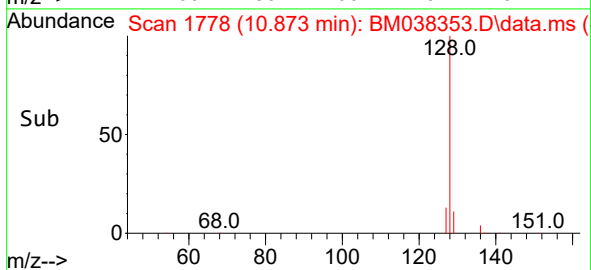
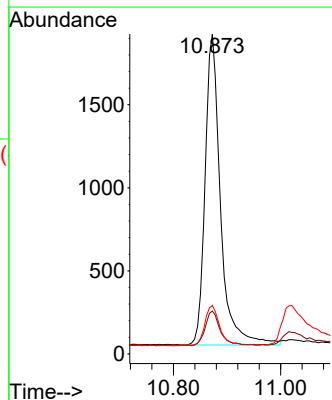
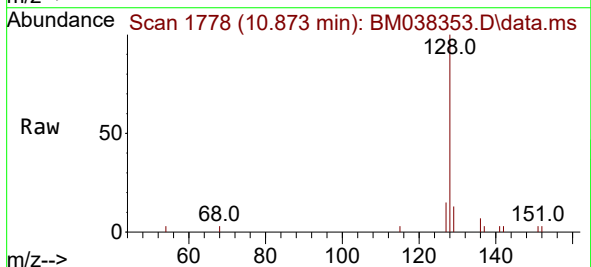
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BNA\_M  
ClientSampleId :  
SSTD0.4058

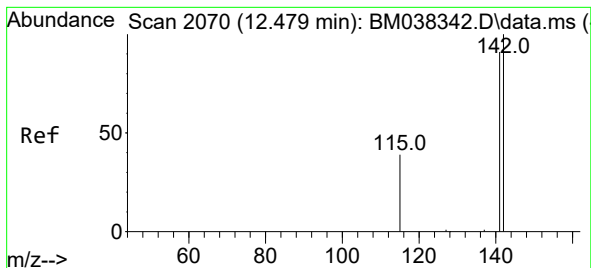
Tgt Ion: 88 Resp: 779  
Ion Ratio Lower Upper  
88 100  
43 41.0 32.6 49.0  
58 58.4 46.6 69.8



#5  
Naphthalene  
Concen: 0.364 ng/ul  
RT: 10.873 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion: 128 Resp: 3734  
Ion Ratio Lower Upper  
128 100  
129 13.4 10.2 15.2  
127 15.2 11.4 17.2

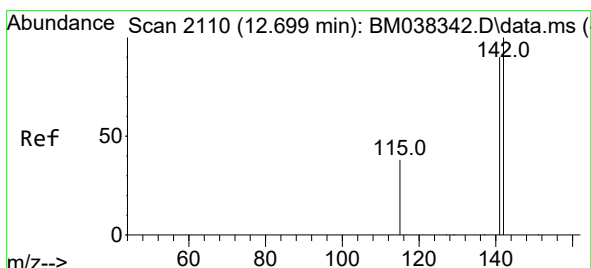
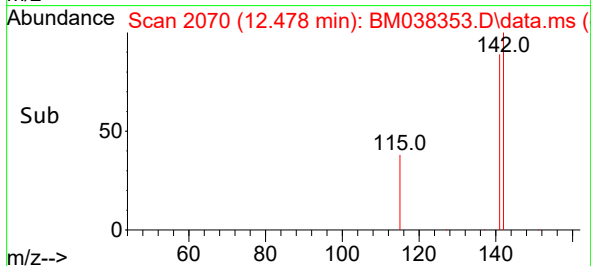
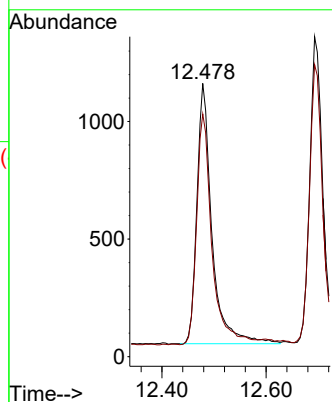
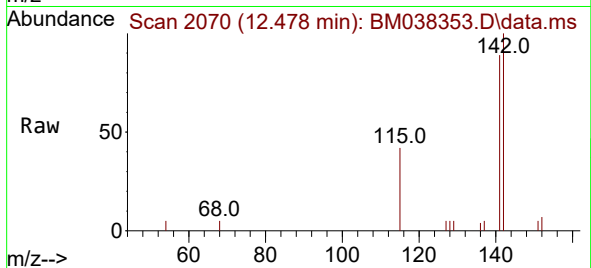




#7  
2-Methylnaphthalene  
Concen: 0.353 ng/ul  
RT: 12.478 min Scan# 2070  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

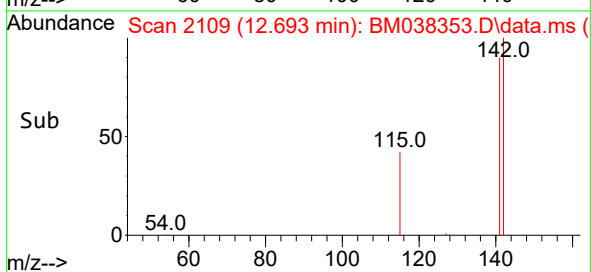
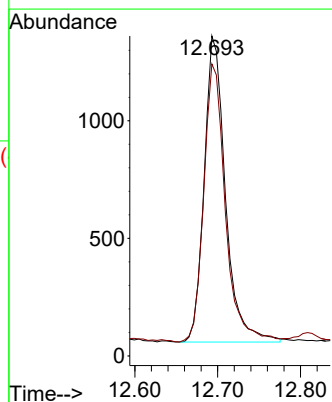
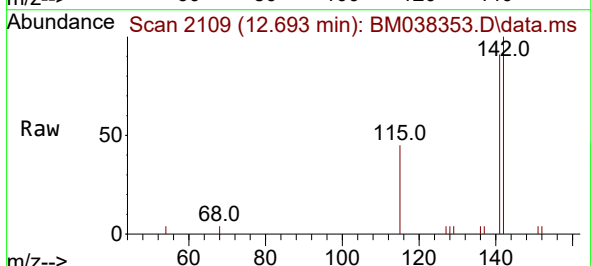
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

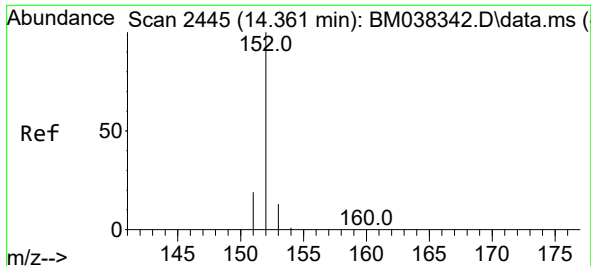
Tgt Ion:142 Resp: 2228  
Ion Ratio Lower Upper  
142 100  
141 93.6 71.2 106.8



#8  
1-Methylnaphthalene  
Concen: 0.362 ng/ul  
RT: 12.693 min Scan# 2109  
Delta R.T. -0.006 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:142 Resp: 2329  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.2 109.8

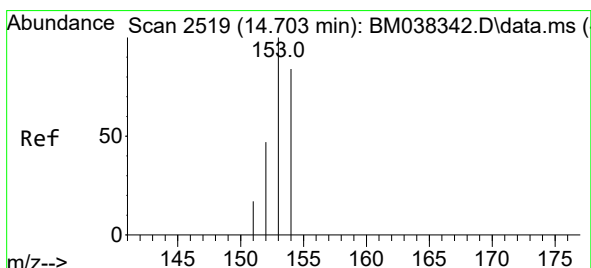
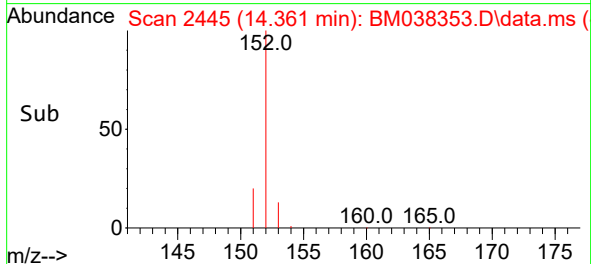
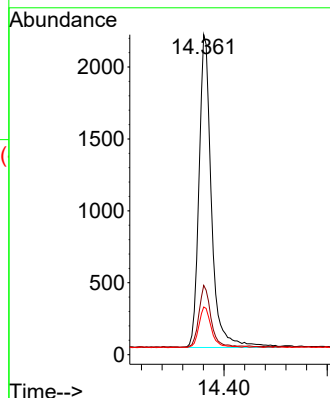
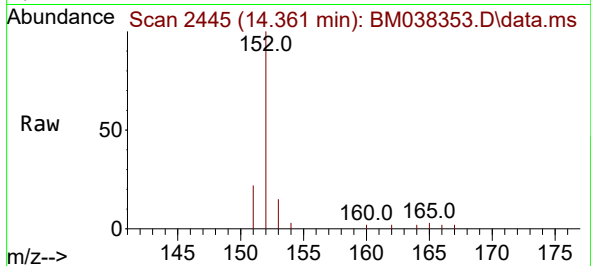




#10  
Acenaphthylene  
Concen: 0.364 ng/ul  
RT: 14.361 min Scan# 2445  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

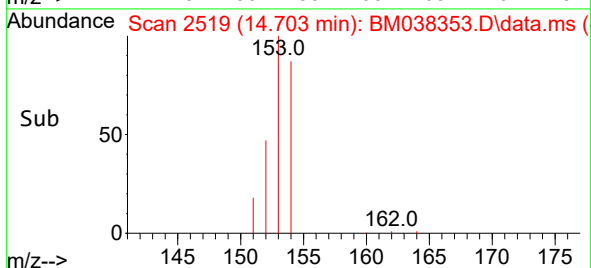
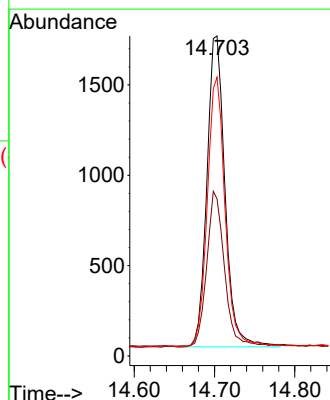
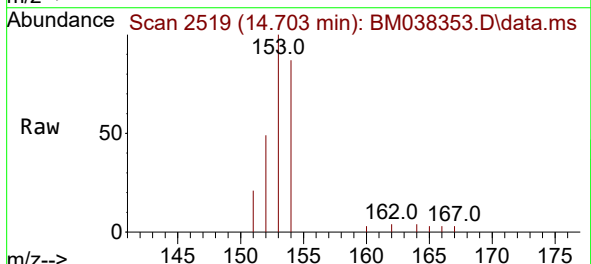
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ClientSampleId :  
SSTD0.4058

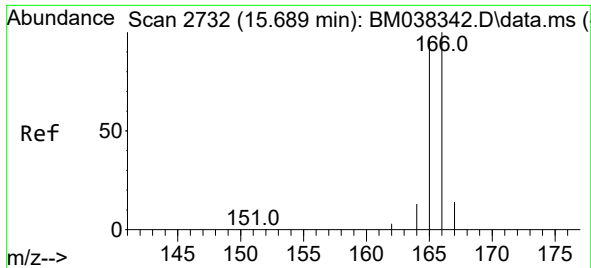
Tgt Ion:152 Resp: 3669  
Ion Ratio Lower Upper  
152 100  
151 21.7 17.0 25.4  
153 14.9 12.0 18.0



#11  
Acenaphthene  
Concen: 0.359 ng/ul  
RT: 14.703 min Scan# 2519  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:153 Resp: 2686  
Ion Ratio Lower Upper  
153 100  
152 49.1 38.8 58.2  
154 87.1 67.3 100.9

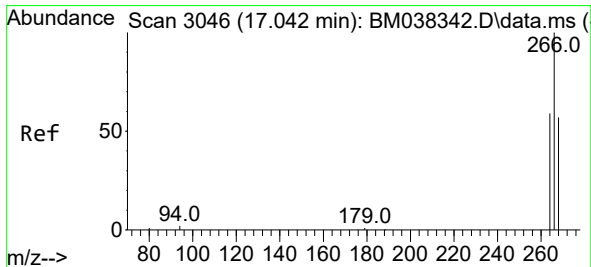
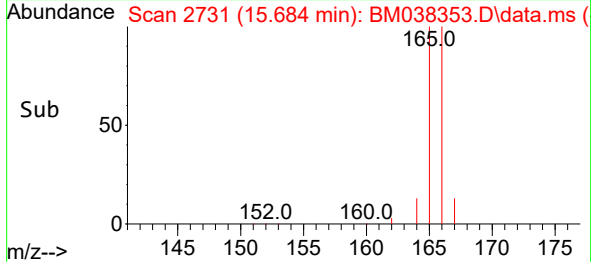
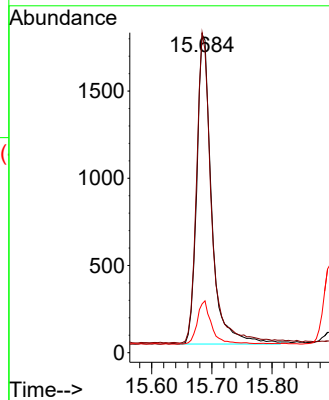
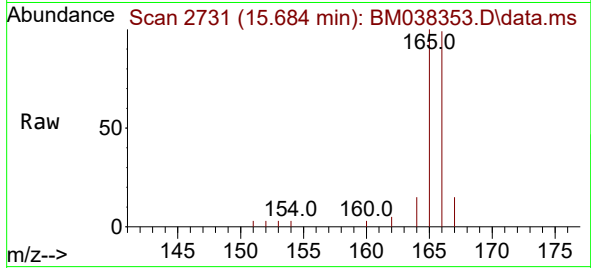




#12  
Fluorene  
Concen: 0.358 ng/ul  
RT: 15.684 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

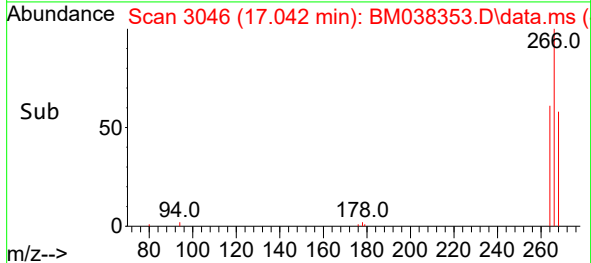
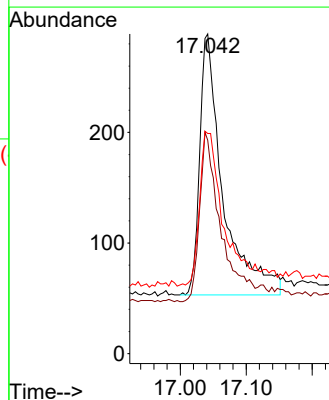
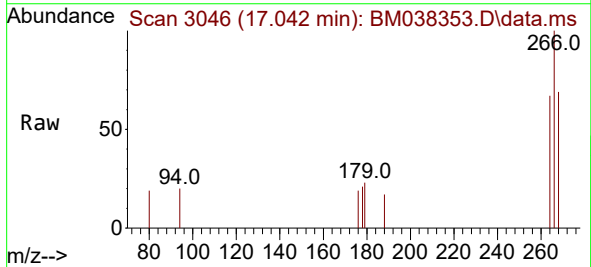
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

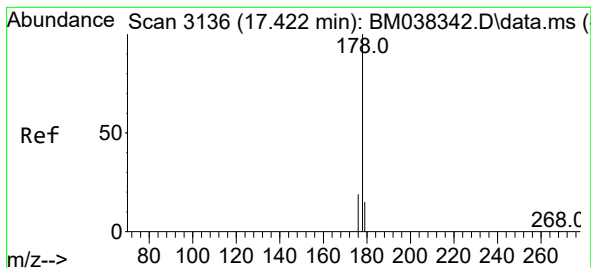
Tgt Ion:166 Resp: 3039  
Ion Ratio Lower Upper  
166 100  
165 100.5 78.2 117.2  
167 15.3 12.5 18.7



#14  
Pentachlorophenol  
Concen: 0.355 ng/ul  
RT: 17.042 min Scan# 3046  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:266 Resp: 581  
Ion Ratio Lower Upper  
266 100  
264 63.5 50.0 75.0  
268 63.7 48.2 72.2





#15

Phenanthrene

Concen: 0.350 ng/ul

RT: 17.422 min Scan# 3136

Delta R.T. -0.000 min

Lab File: BM038353.D

Acq: 30 Dec 2022 15:32

Instrument :

BNA\_M

ClientSampleId :

SSTD0.4058

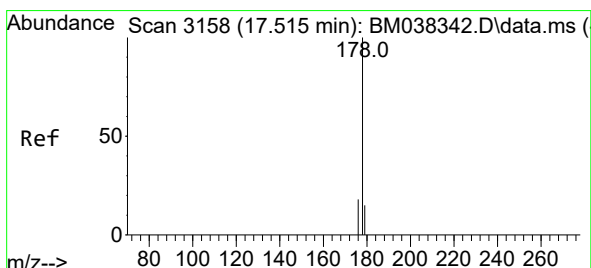
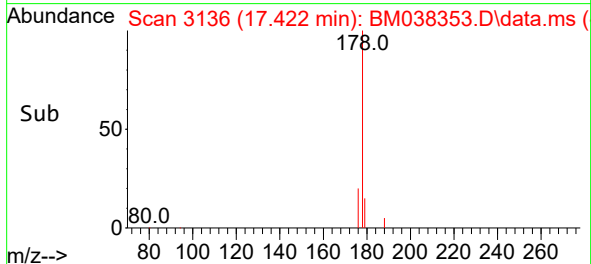
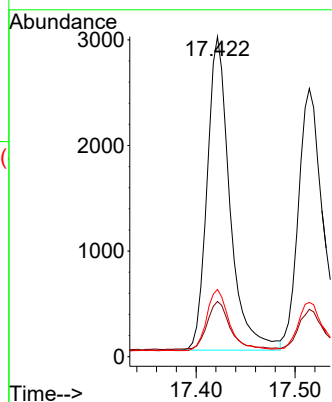
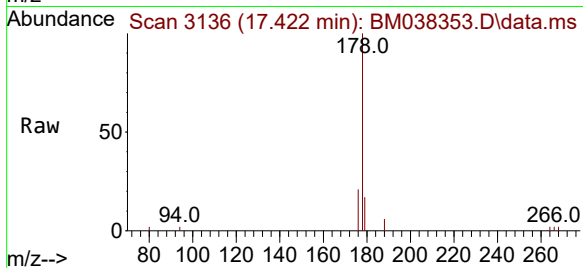
Tgt Ion:178 Resp: 4747

Ion Ratio Lower Upper

178 100

179 17.3 13.5 20.3

176 21.0 16.6 25.0



#16

Anthracene

Concen: 0.357 ng/ul

RT: 17.514 min Scan# 3158

Delta R.T. -0.000 min

Lab File: BM038353.D

Acq: 30 Dec 2022 15:32

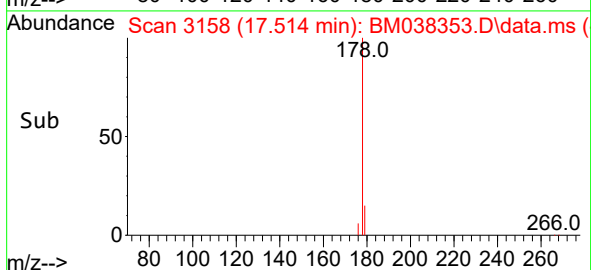
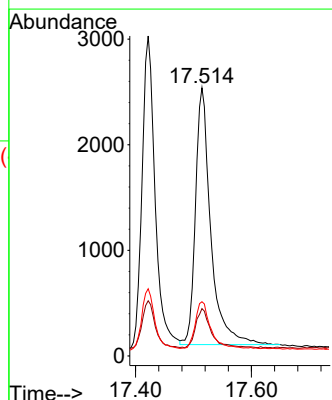
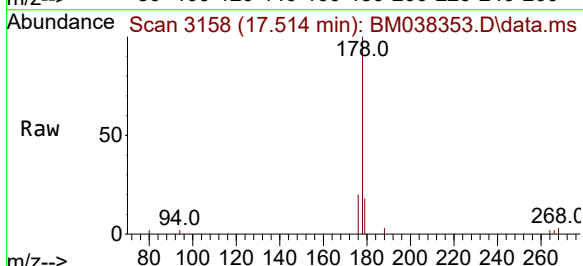
Tgt Ion:178 Resp: 4455

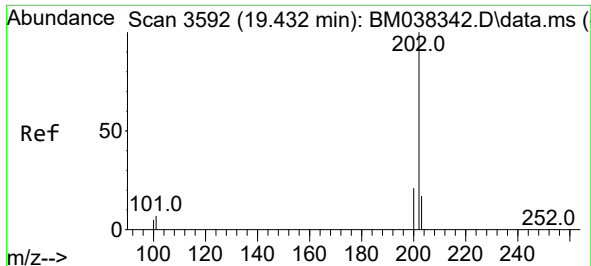
Ion Ratio Lower Upper

178 100

179 17.7 14.2 21.2

176 20.2 15.8 23.8

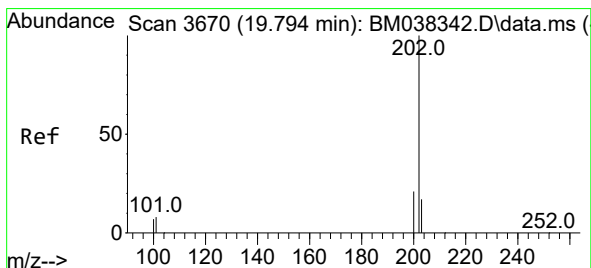
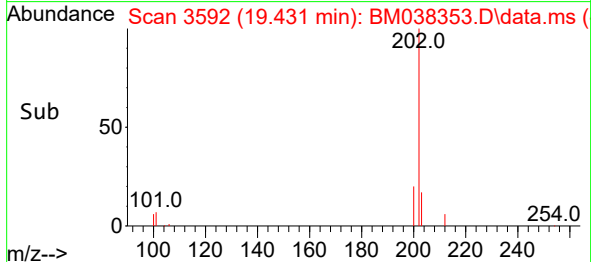
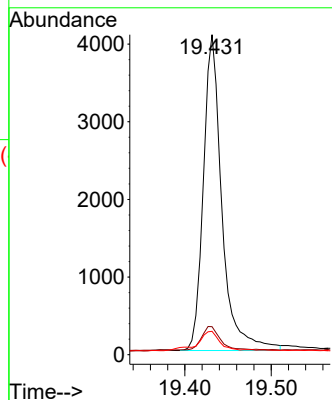
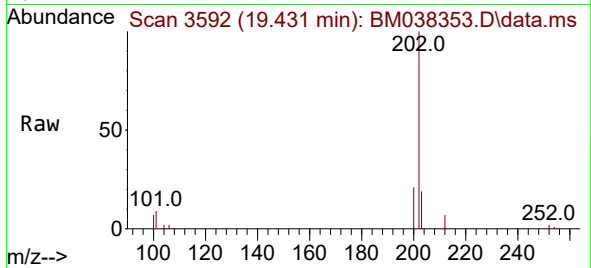




#19  
Fluoranthene  
Concen: 0.363 ng/ul  
RT: 19.431 min Scan# 3592  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

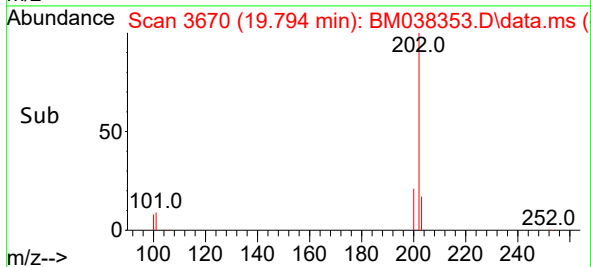
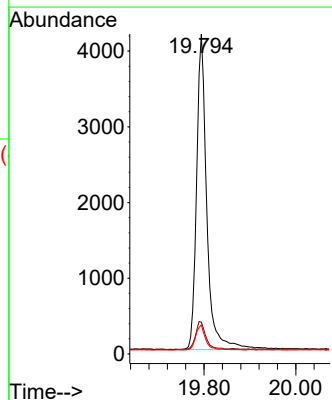
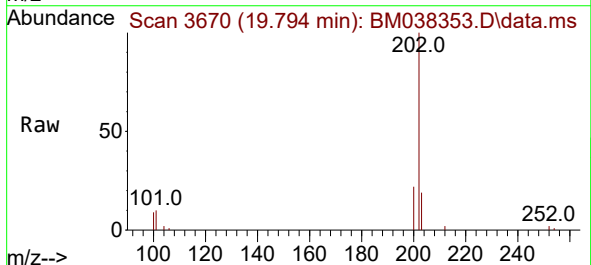
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

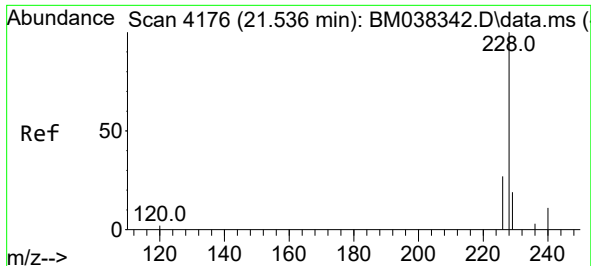
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Ion Ratio Lower Upper  
202 100  
101 8.8 6.6 10.0  
100 7.3 5.4 8.2



#20  
Pyrene  
Concen: 0.362 ng/ul  
RT: 19.794 min Scan# 3670  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:202 Resp: 6482  
Ion Ratio Lower Upper  
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101 10.0 7.8 11.6  
100 9.1 6.5 9.7

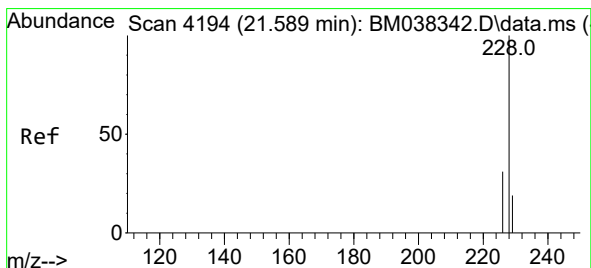
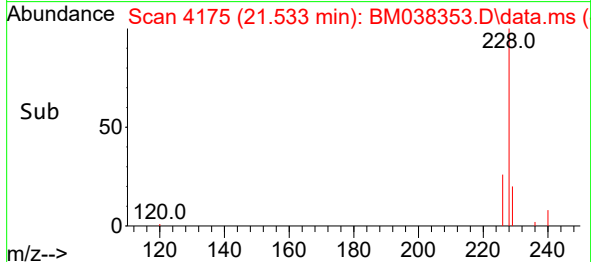
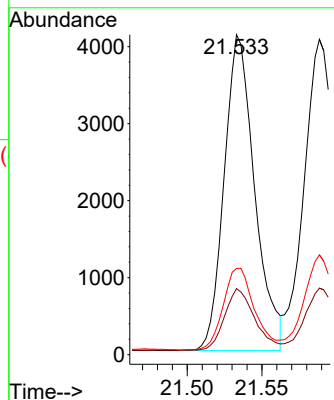
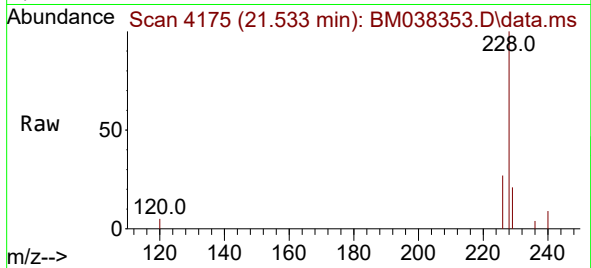




#21  
Benzo(a)anthracene  
Concen: 0.361 ng/ul  
RT: 21.533 min Scan# 4176  
Delta R.T. -0.003 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

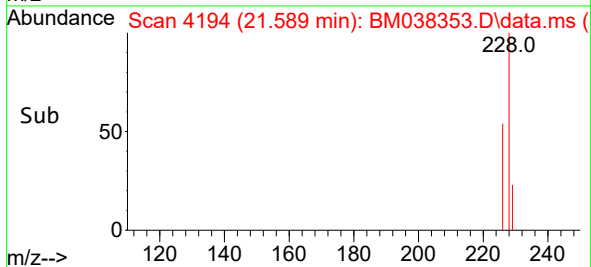
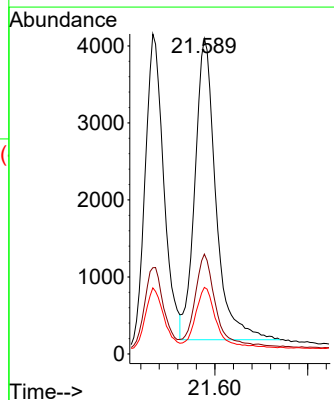
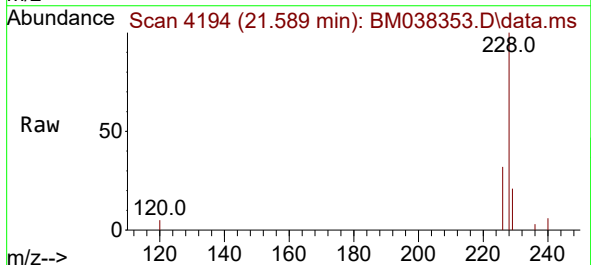
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

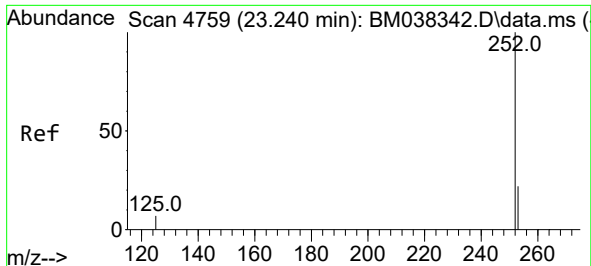
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 5821      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 229         | 20.6  | 16.4 24.6 |
| 226         | 26.9  | 22.2 33.2 |



#22  
Chrysene  
Concen: 0.362 ng/ul  
RT: 21.589 min Scan# 4194  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 6158      |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 31.7  | 25.3 37.9 |
| 229         | 21.1  | 16.4 24.6 |

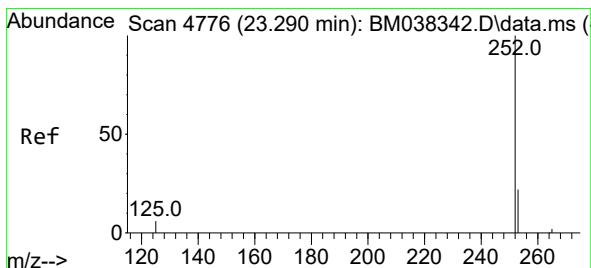
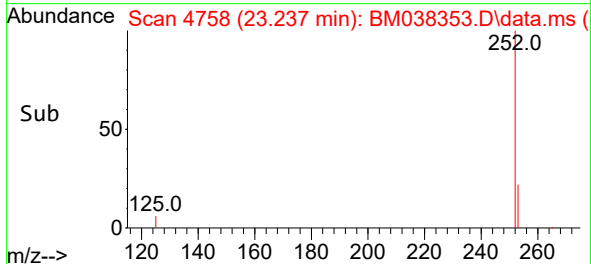
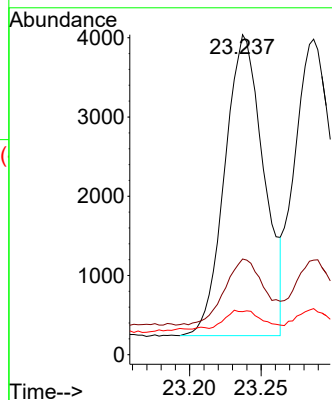
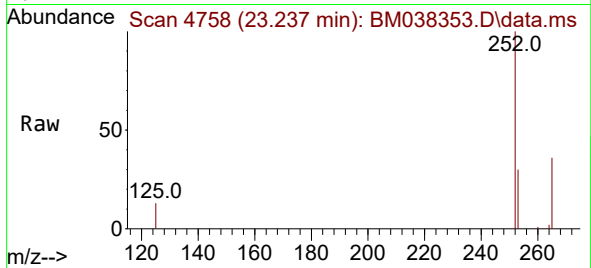




#24  
Benzo(b)fluoranthene  
Concen: 0.366 ng/ul  
RT: 23.237 min Scan# 4758  
Delta R.T. -0.003 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

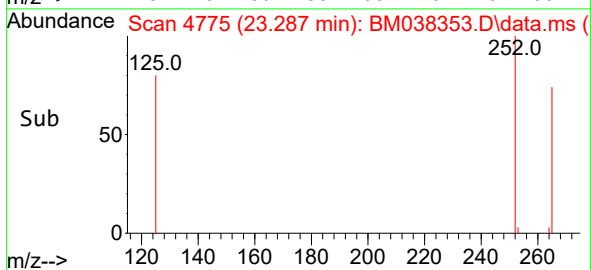
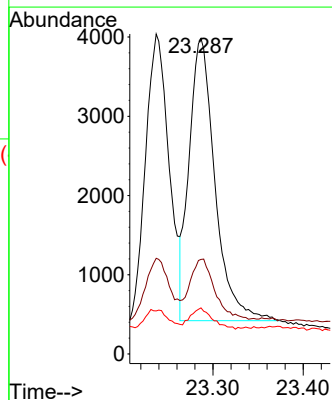
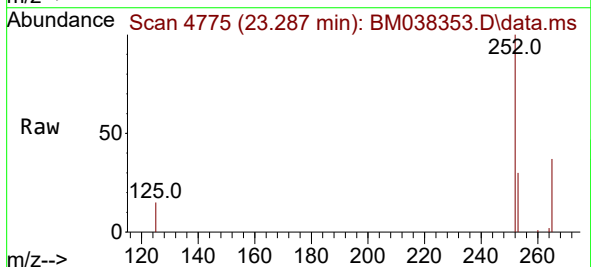
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

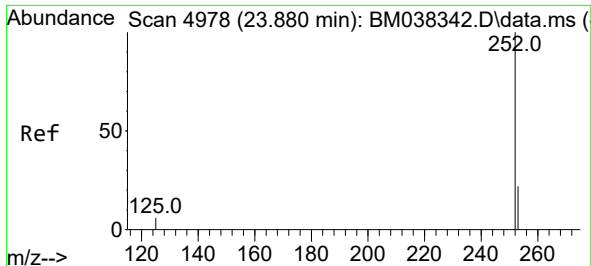
Tgt Ion:252 Resp: 7203  
Ion Ratio Lower Upper  
252 100  
253 29.9 0.0 60.4  
125 13.4 0.0 27.6



#25  
Benzo(k)fluoranthene  
Concen: 0.362 ng/ul  
RT: 23.287 min Scan# 4775  
Delta R.T. -0.003 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:252 Resp: 7083  
Ion Ratio Lower Upper  
252 100  
253 30.0 24.4 36.6  
125 14.6 10.7 16.1

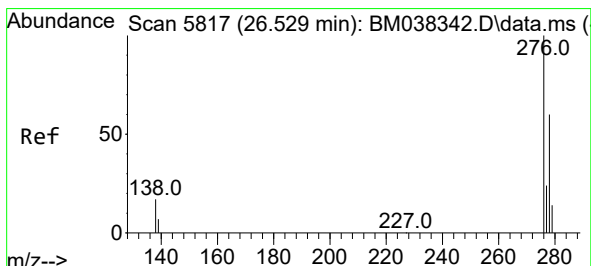
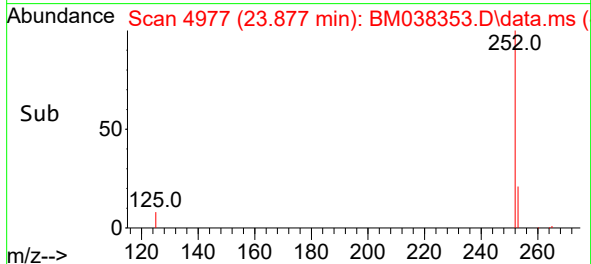
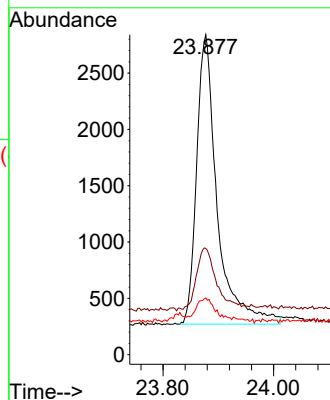
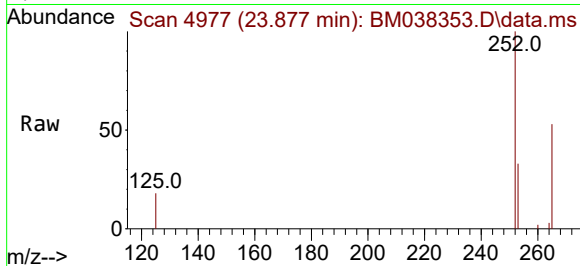




#26  
Benzo(a)pyrene  
Concen: 0.356 ng/ul  
RT: 23.877 min Scan# 4977  
Delta R.T. -0.003 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

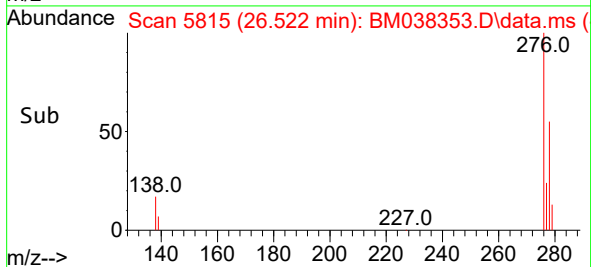
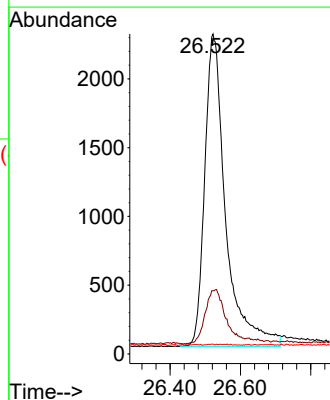
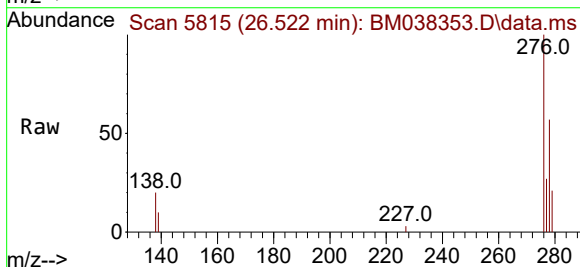
Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

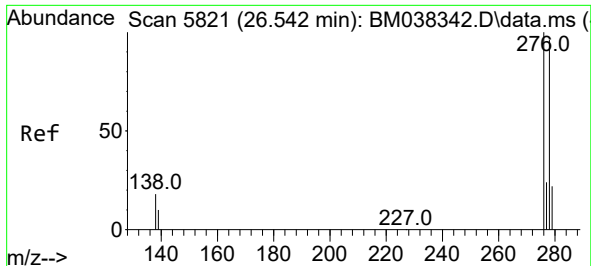
Tgt Ion:252 Resp: 6621  
Ion Ratio Lower Upper  
252 100  
253 33.2 27.4 41.2  
125 17.7 13.8 20.8



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.345 ng/ul  
RT: 26.522 min Scan# 5815  
Delta R.T. -0.007 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:276 Resp: 9385  
Ion Ratio Lower Upper  
276 100  
138 0.0 14.1 21.1#  
227 0.1 0.1 0.1#

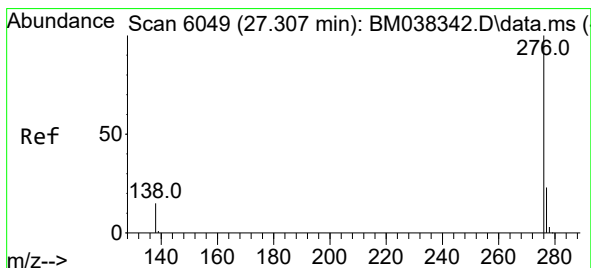
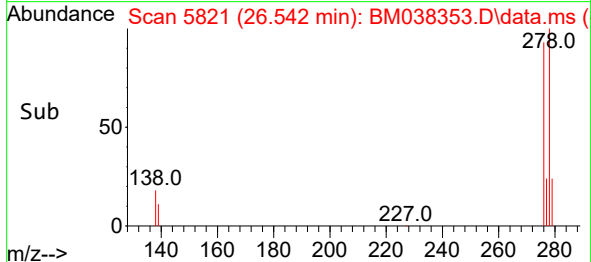
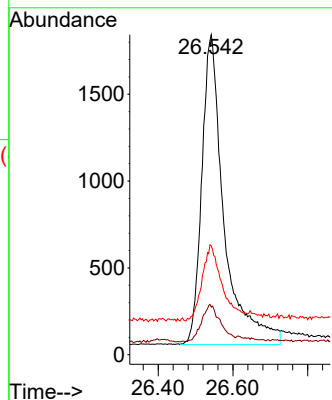
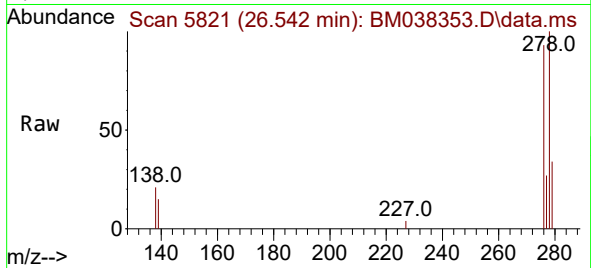




#28  
Dibenzo(a,h)anthracene  
Concen: 0.347 ng/ul  
RT: 26.542 min Scan# 5821  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Instrument :  
BNA\_M  
ClientSampleId :  
SSTD0.4058

Tgt Ion:278 Resp: 7395  
Ion Ratio Lower Upper  
278 100  
139 14.9 11.4 17.0  
279 34.1 26.4 39.6



#29  
Benzo(g,h,i)perylene  
Concen: 0.345 ng/ul  
RT: 27.307 min Scan# 6049  
Delta R.T. -0.000 min  
Lab File: BM038353.D  
Acq: 30 Dec 2022 15:32

Tgt Ion:276 Resp: 8335  
Ion Ratio Lower Upper  
276 100  
138 17.5 14.4 21.6  
277 26.2 20.7 31.1

