

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112122\  
 Data File : BM037644.D  
 Acq On : 22 Nov 2022 16:23  
 Operator : CG/JU  
 Sample : PB149025BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS025

Quant Time: Nov 22 22:52:07 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM11622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 21 22:36:32 2022  
 Response via : Initial Calibration

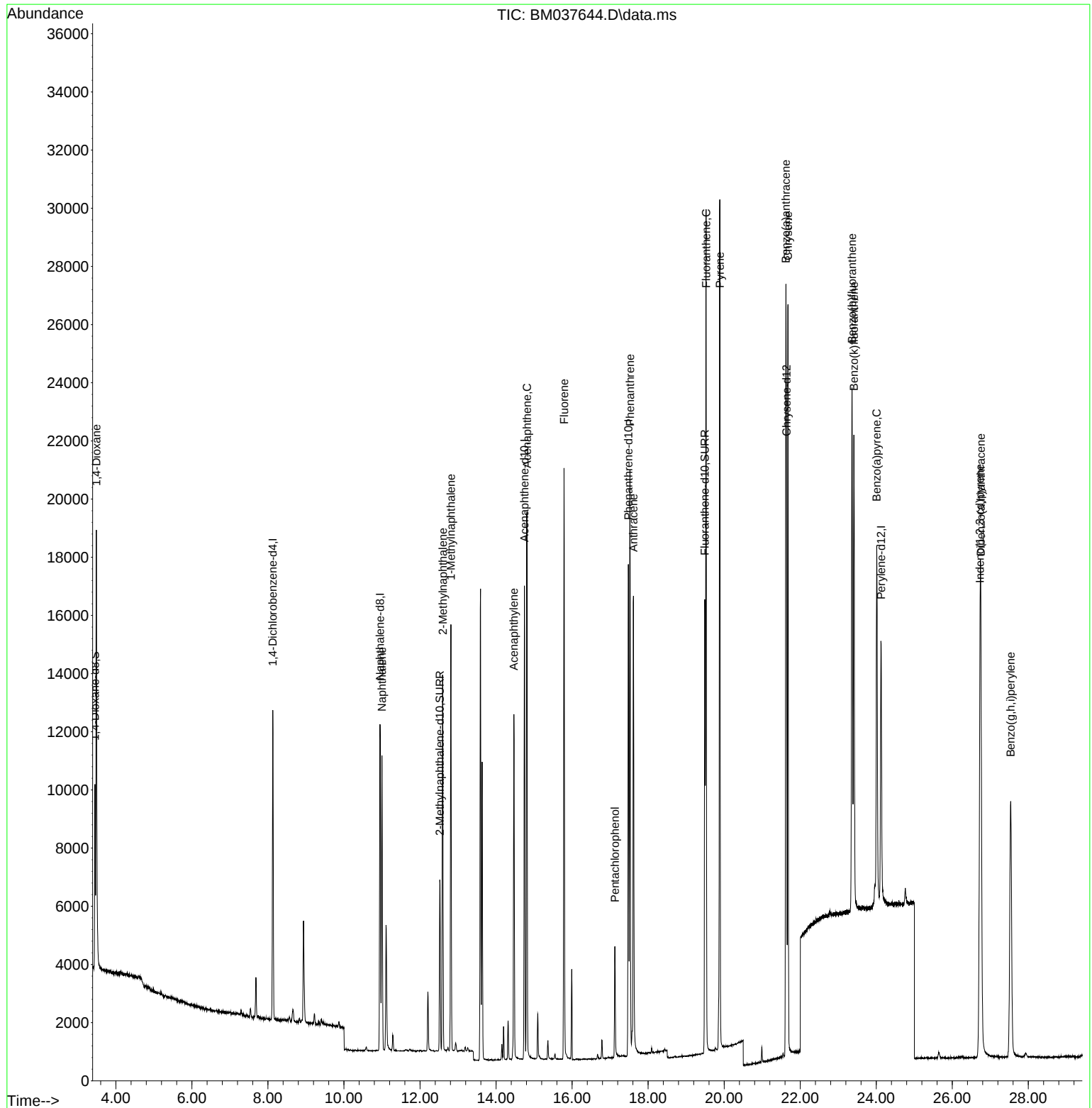
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.129  | 152  | 5206     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.947 | 136  | 14429    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.747 | 164  | 8461     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.479 | 188  | 19220    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.639 | 240  | 13948    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 24.127 | 264  | 12793    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.450  | 96   | 4142     | 0.684 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.520 | 152  | 7325     | 0.306 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.490 | 212  | 16331    | 0.354 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.488  | 88   | 10146    | 1.611 | ng/ul# | 51       |
| 5) Naphthalene              | 10.997 | 128  | 13832    | 0.316 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.597 | 142  | 8827     | 0.296 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.812 | 142  | 9517     | 0.312 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.470 | 152  | 13170    | 0.280 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.812 | 153  | 10603    | 0.323 | ng/ul  | 99       |
| 12) Fluorene                | 15.788 | 166  | 12451    | 0.315 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.124 | 266  | 2649     | 0.614 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.521 | 178  | 20979    | 0.319 | ng/ul  | 100      |
| 16) Anthracene              | 17.614 | 178  | 18233    | 0.288 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.523 | 202  | 23813    | 0.354 | ng/ul  | 96       |
| 20) Pyrene                  | 19.885 | 202  | 24539    | 0.351 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.622 | 228  | 20534    | 0.329 | ng/ul  | 99       |
| 22) Chrysene                | 21.677 | 228  | 22215    | 0.359 | ng/ul  | 100      |
| 24) Benzo(b)fluoranthene    | 23.361 | 252  | 23551    | 0.404 | ng/ul  | 90       |
| 25) Benzo(k)fluoranthene    | 23.411 | 252  | 21944    | 0.373 | ng/ul# | 90       |
| 26) Benzo(a)pyrene          | 24.013 | 252  | 19177    | 0.378 | ng/ul# | 81       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.728 | 276  | 24052    | 0.358 | ng/ul# | 91       |
| 28) Dibenzo(a,h)anthracene  | 26.751 | 278  | 18510    | 0.351 | ng/ul  | 94       |
| 29) Benzo(g,h,i)perylene    | 27.536 | 276  | 20301    | 0.356 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

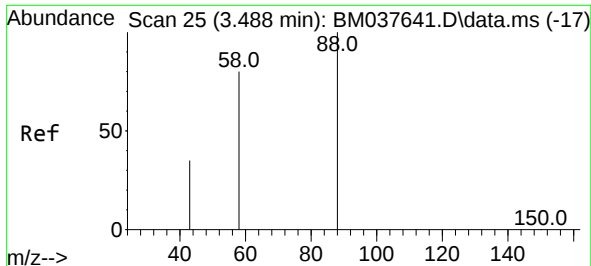
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM112122\  
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Quant Time: Nov 22 22:52:07 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM11622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Nov 21 22:36:32 2022  
Response via : Initial Calibration

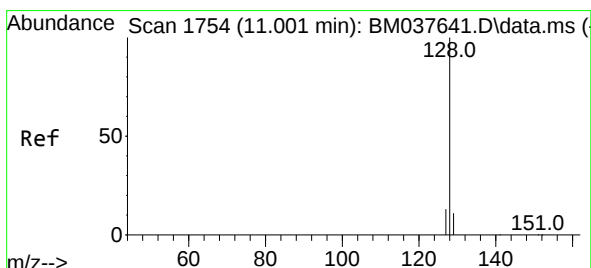
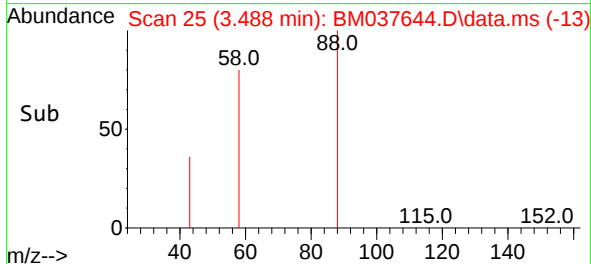
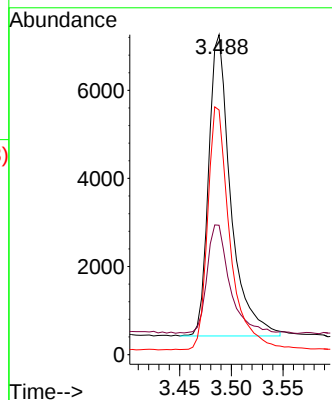
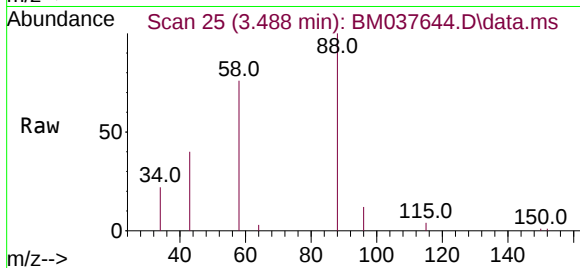




#2  
1,4-Dioxane  
Concen: 1.611 ng/ul  
RT: 3.488 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

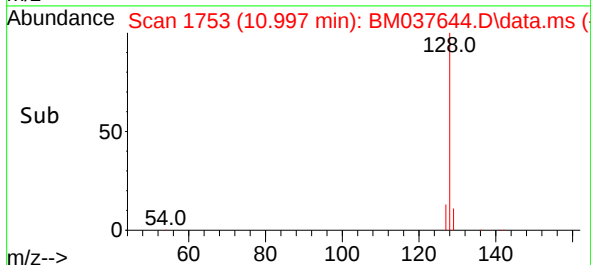
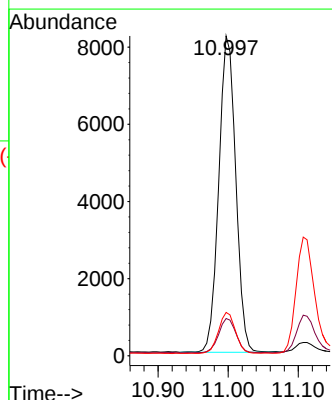
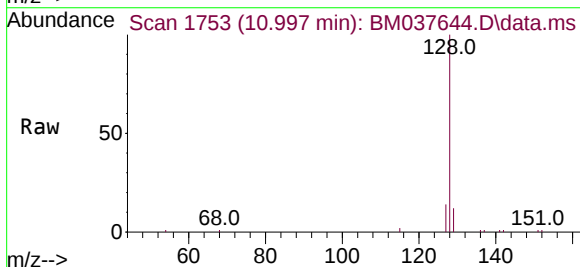
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

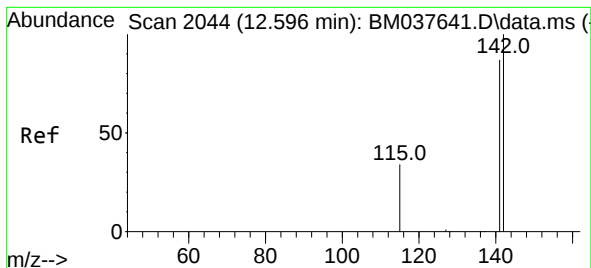
Tgt Ion: 88 Resp: 10146  
Ion Ratio Lower Upper  
88 100  
43 40.4 102.8 154.2#  
58 76.4 67.3 100.9



#5  
Naphthalene  
Concen: 0.316 ng/ul  
RT: 10.997 min Scan# 1753  
Delta R.T. -0.004 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion: 128 Resp: 13832  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.8 14.8  
127 13.6 11.0 16.4

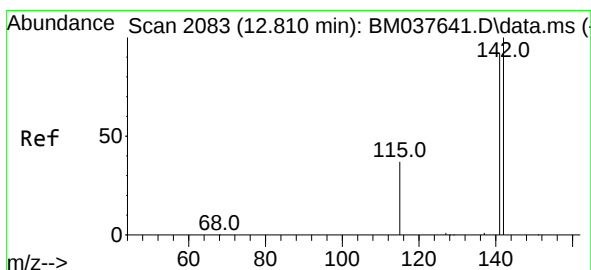
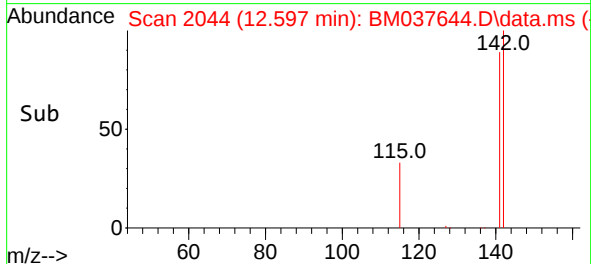
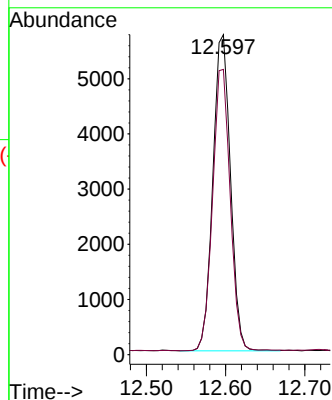
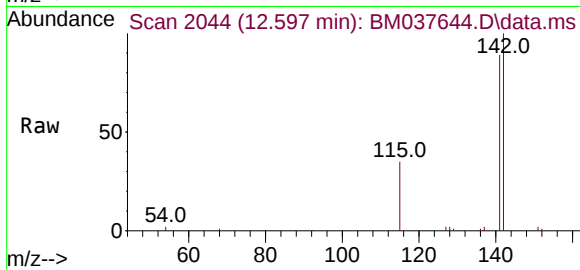




#7  
2-Methylnaphthalene  
Concen: 0.296 ng/ul  
RT: 12.597 min Scan# 2044  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

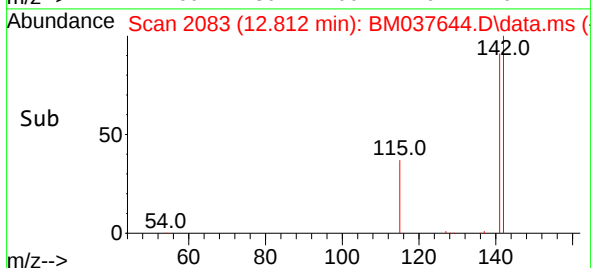
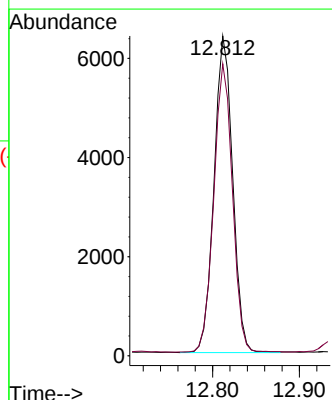
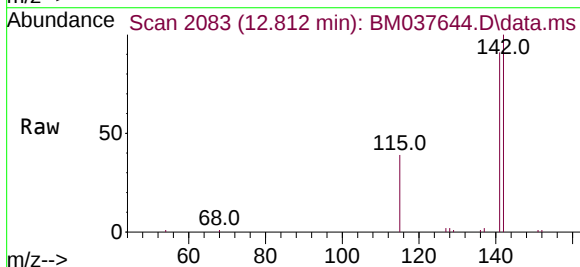
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

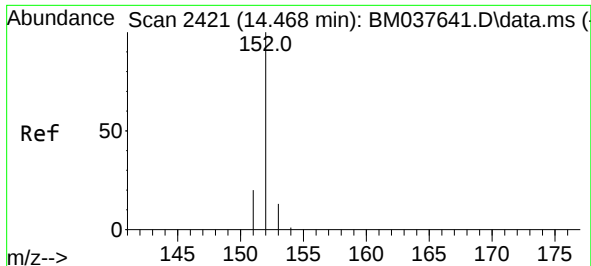
Tgt Ion:142 Resp: 8827  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.0 106.4



#8  
1-Methylnaphthalene  
Concen: 0.312 ng/ul  
RT: 12.812 min Scan# 2083  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:142 Resp: 9517  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.4 110.0

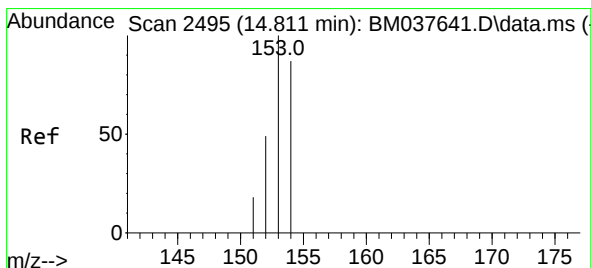
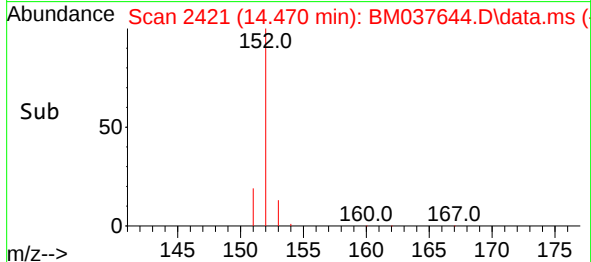
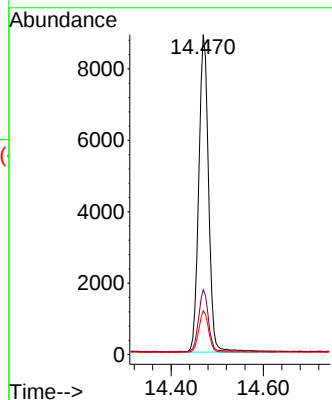
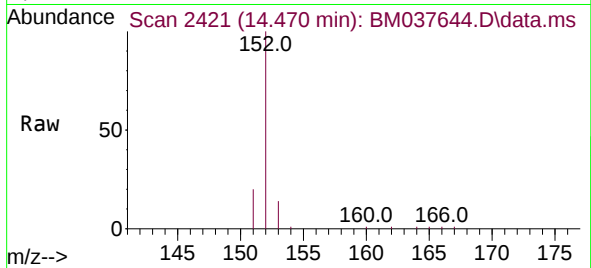




#10  
Acenaphthylene  
Concen: 0.280 ng/ul  
RT: 14.470 min Scan# 2421  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

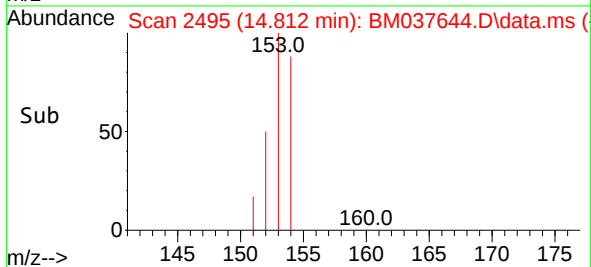
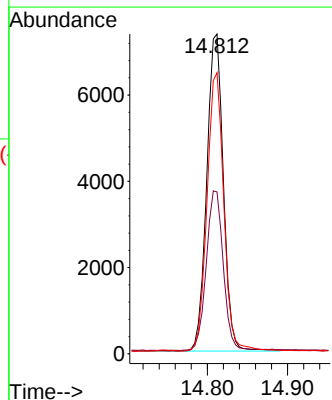
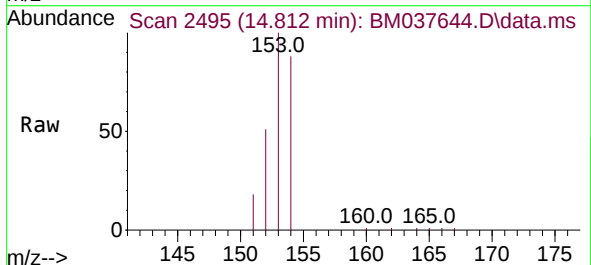
Instrument :  
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ClientSampleId :  
SLCS025

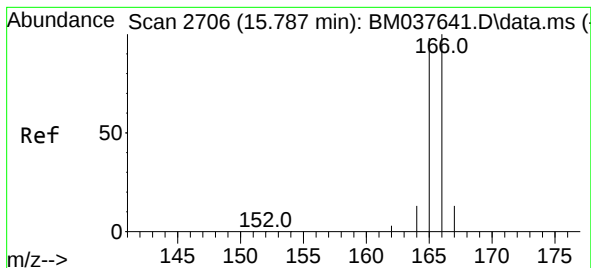
Tgt Ion:152 Resp: 13170  
Ion Ratio Lower Upper  
152 100  
151 20.3 15.9 23.9  
153 13.7 11.0 16.4



#11  
Acenaphthene  
Concen: 0.323 ng/ul  
RT: 14.812 min Scan# 2495  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:153 Resp: 10603  
Ion Ratio Lower Upper  
153 100  
152 50.6 39.4 59.0  
154 87.9 69.5 104.3





#12

Fluorene

Concen: 0.315 ng/ul

RT: 15.788 min Scan# 2706

Delta R.T. 0.001 min

Lab File: BM037644.D

Acq: 22 Nov 2022 16:23

Instrument :

BNA\_M

ClientSampleId :

SLCS025

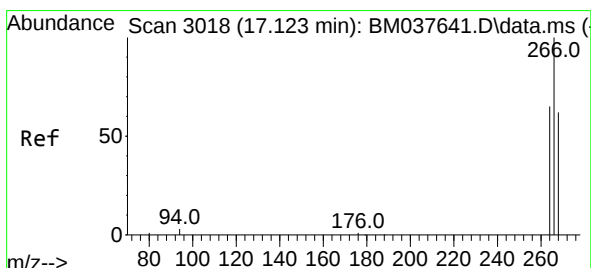
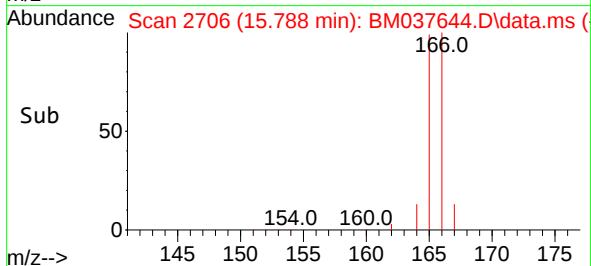
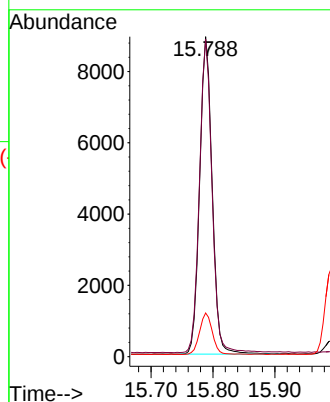
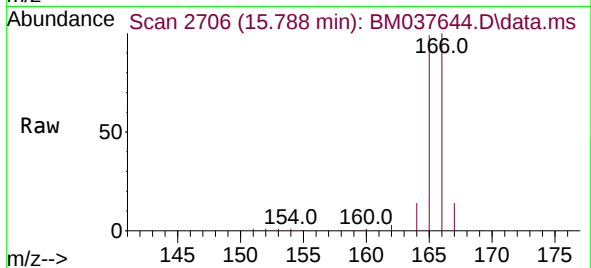
Tgt Ion:166 Resp: 12451

Ion Ratio Lower Upper

166 100

165 99.2 78.7 118.1

167 13.6 11.3 16.9



#14

Pentachlorophenol

Concen: 0.614 ng/ul

RT: 17.124 min Scan# 3018

Delta R.T. -0.003 min

Lab File: BM037644.D

Acq: 22 Nov 2022 16:23

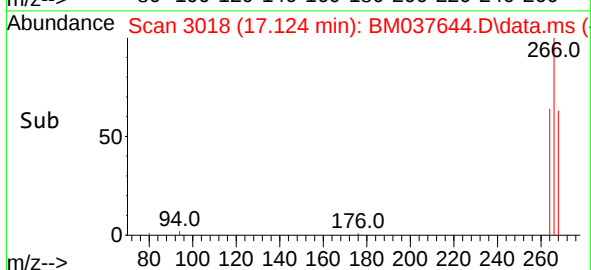
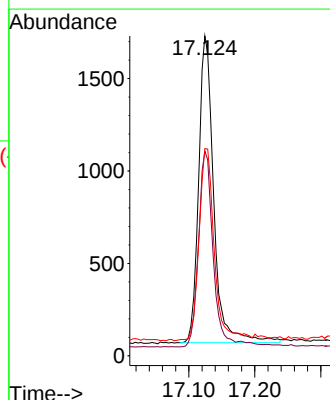
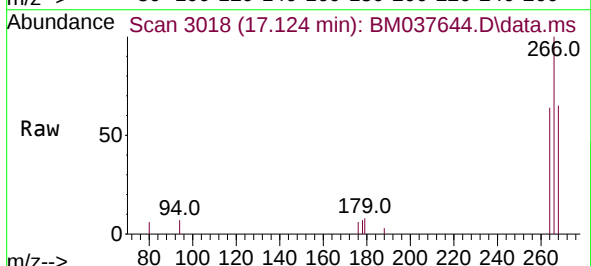
Tgt Ion:266 Resp: 2649

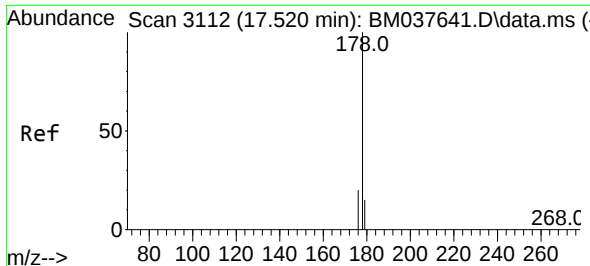
Ion Ratio Lower Upper

266 100

264 62.7 50.2 75.2

268 63.2 52.0 78.0

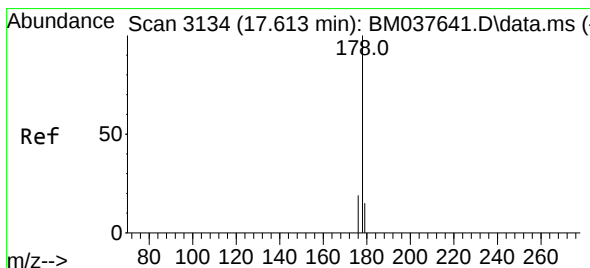
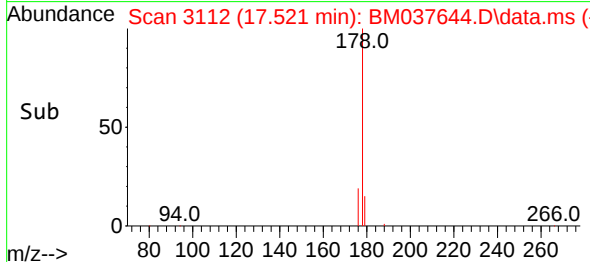
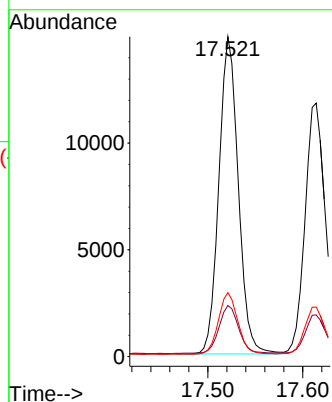
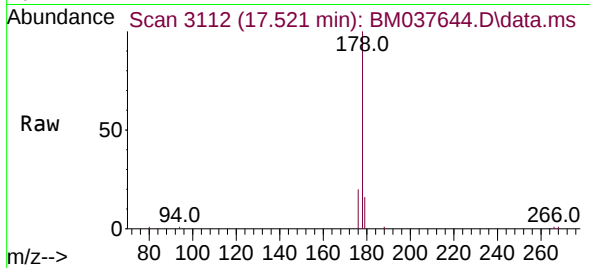




#15  
Phenanthrene  
Concen: 0.319 ng/ul  
RT: 17.521 min Scan# 3112  
Delta R.T. -0.003 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

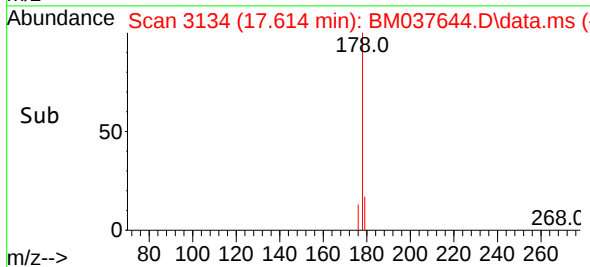
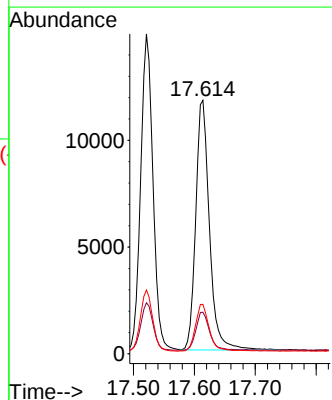
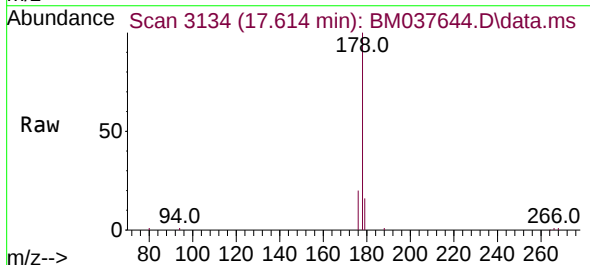
Instrument :  
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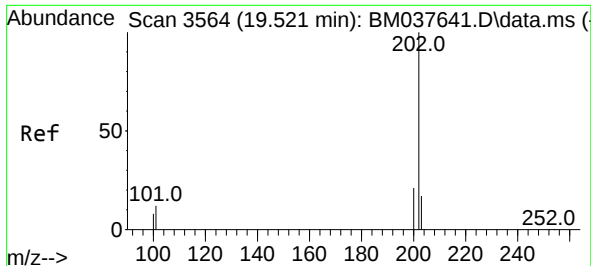
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|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 20979 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.0  | 12.6  | 18.8  |
| 176       | 20.0  | 16.0  | 24.0  |



#16  
Anthracene  
Concen: 0.288 ng/ul  
RT: 17.614 min Scan# 3134  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 18233 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 16.4  | 12.8  | 19.2  |
| 176       | 19.6  | 15.0  | 22.6  |

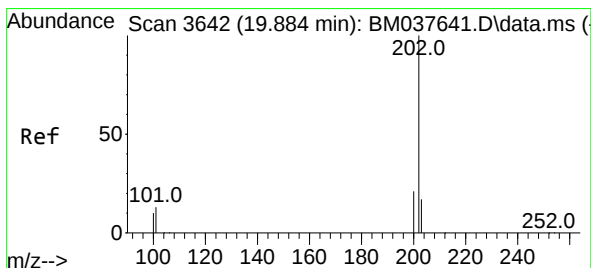
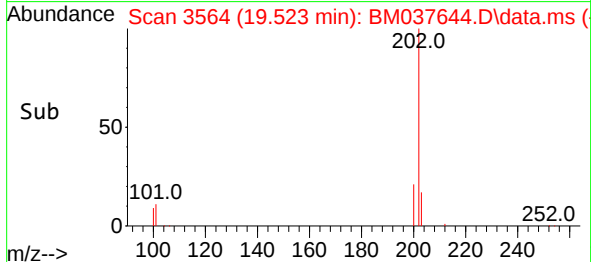
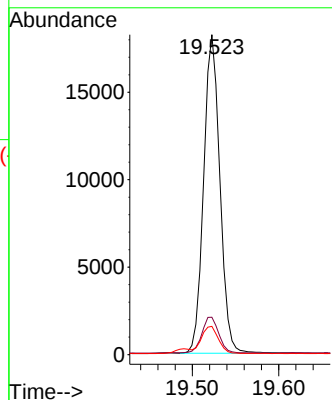
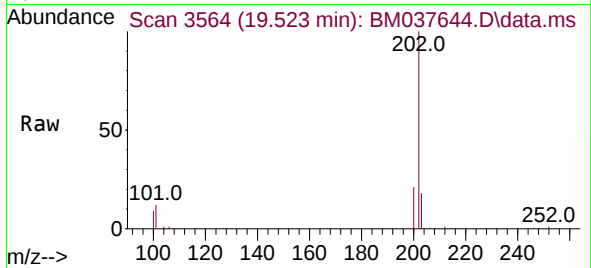




#19  
Fluoranthene  
Concen: 0.354 ng/ul  
RT: 19.523 min Scan# 3564  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

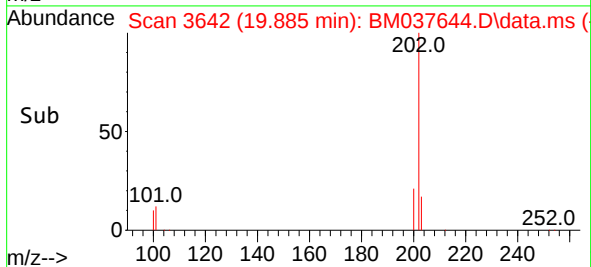
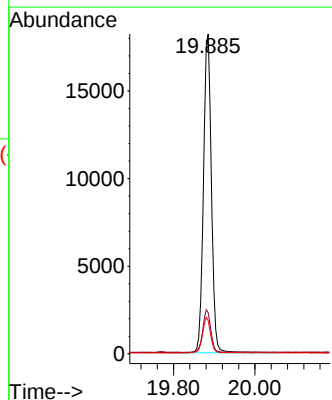
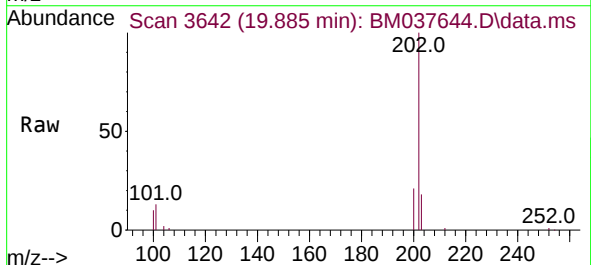
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

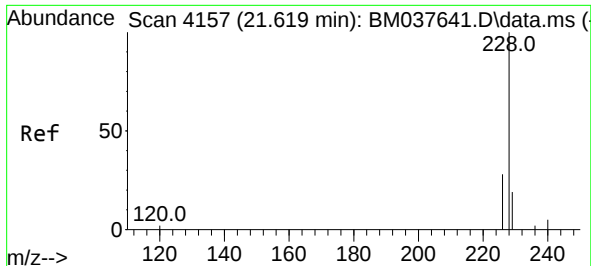
Tgt Ion:202 Resp: 23813  
Ion Ratio Lower Upper  
202 100  
101 11.7 8.2 12.2  
100 8.8 6.1 9.1



#20  
Pyrene  
Concen: 0.351 ng/ul  
RT: 19.885 min Scan# 3642  
Delta R.T. 0.001 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:202 Resp: 24539  
Ion Ratio Lower Upper  
202 100  
101 12.9 10.1 15.1  
100 10.4 8.0 12.0

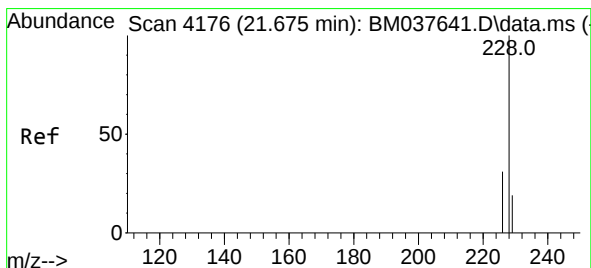
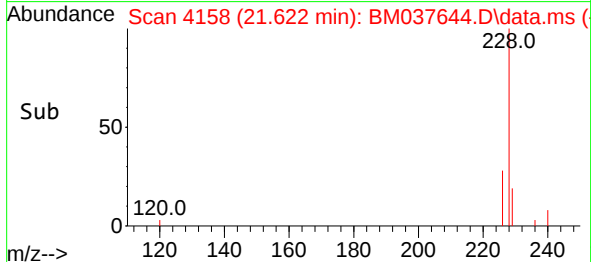
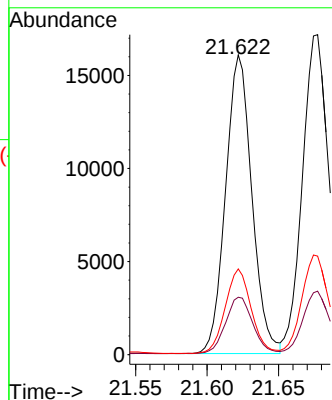
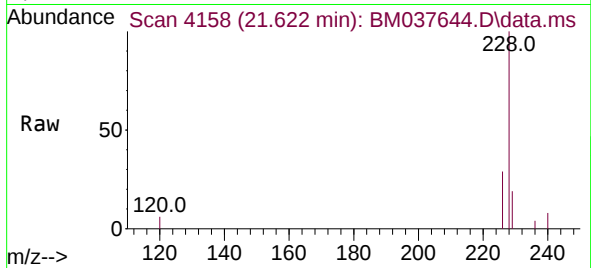




#21  
Benzo(a)anthracene  
Concen: 0.329 ng/ul  
RT: 21.622 min Scan# 4158  
Delta R.T. -0.000 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

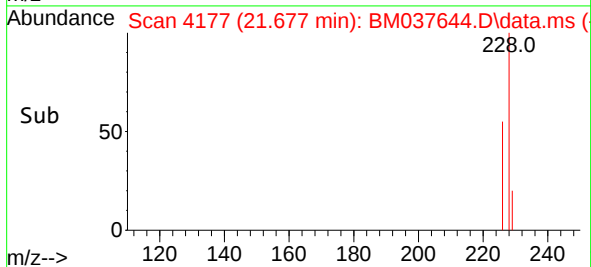
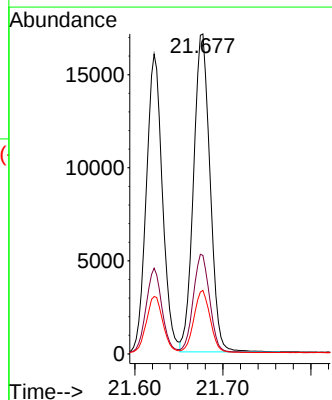
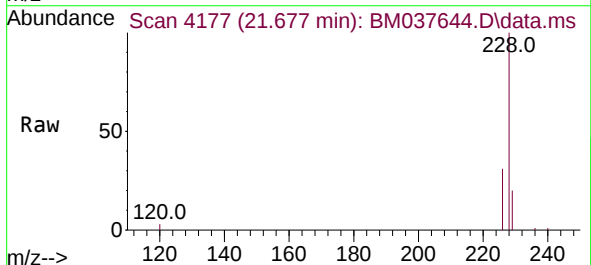
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

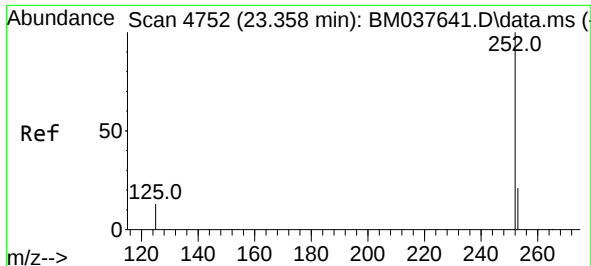
Tgt Ion:228 Resp: 20534  
Ion Ratio Lower Upper  
228 100  
229 19.2 15.7 23.5  
226 28.6 22.2 33.2



#22  
Chrysene  
Concen: 0.359 ng/ul  
RT: 21.677 min Scan# 4177  
Delta R.T. 0.003 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:228 Resp: 22215  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.6 37.0  
229 19.8 15.5 23.3

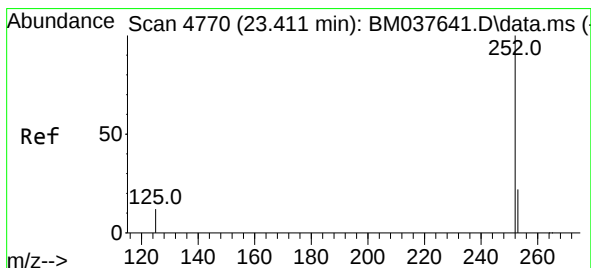
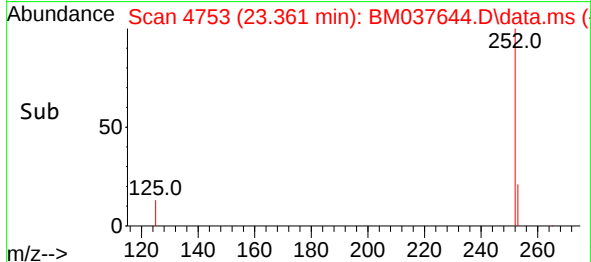
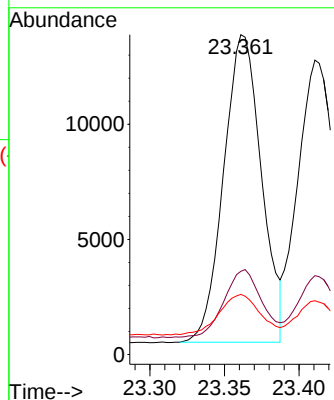
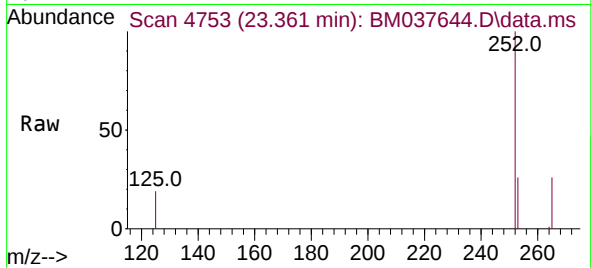




#24  
Benzo(b)fluoranthene  
Concen: 0.404 ng/ul  
RT: 23.361 min Scan# 4753  
Delta R.T. -0.000 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

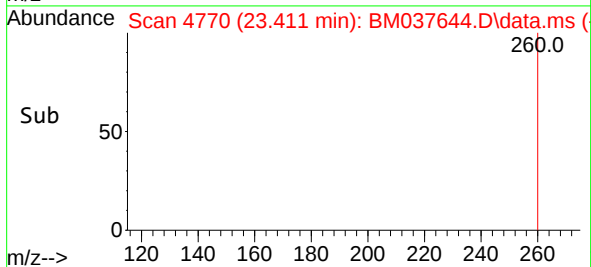
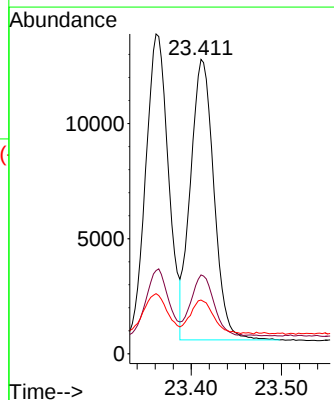
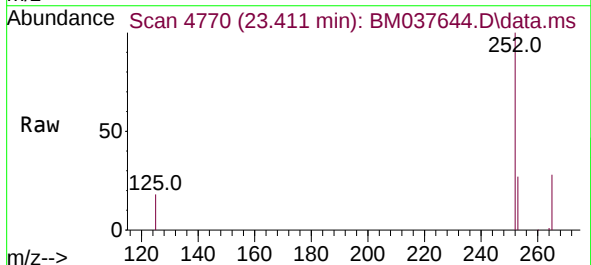
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

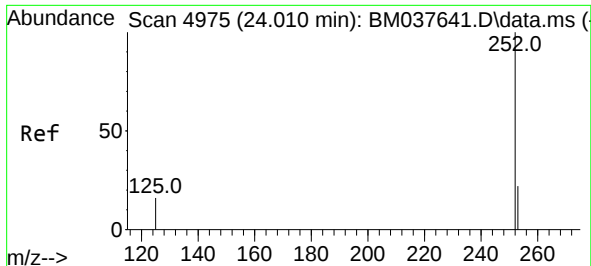
Tgt Ion:252 Resp: 23551  
Ion Ratio Lower Upper  
252 100  
253 26.0 0.0 46.2  
125 18.8 0.0 23.4



#25  
Benzo(k)fluoranthene  
Concen: 0.373 ng/ul  
RT: 23.411 min Scan# 4770  
Delta R.T. -0.000 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:252 Resp: 21944  
Ion Ratio Lower Upper  
252 100  
253 26.8 18.8 28.2  
125 18.3 9.8 14.6#

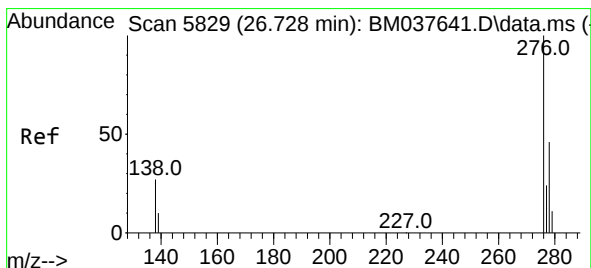
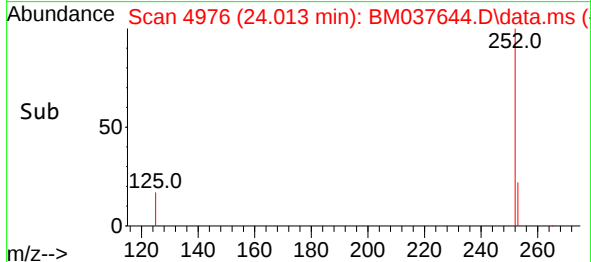
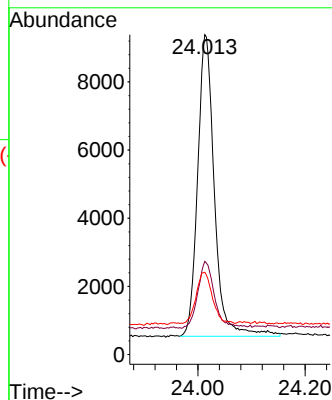
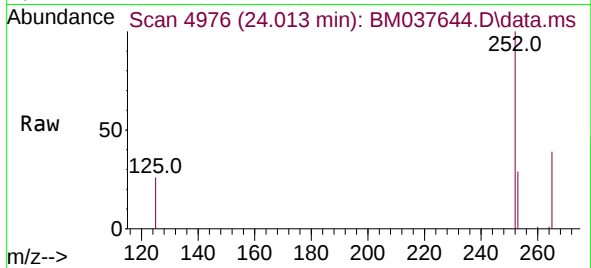




#26  
Benzo(a)pyrene  
Concen: 0.378 ng/ul  
RT: 24.013 min Scan# 4975  
Delta R.T. -0.000 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

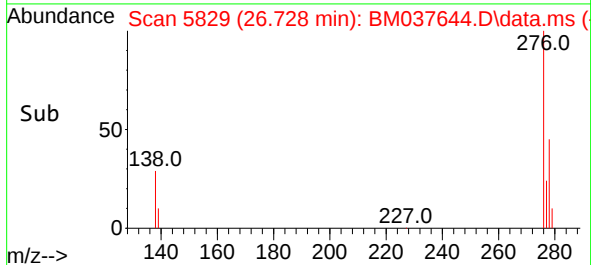
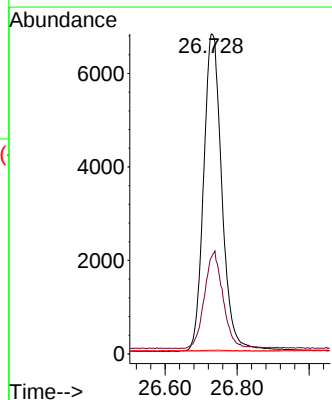
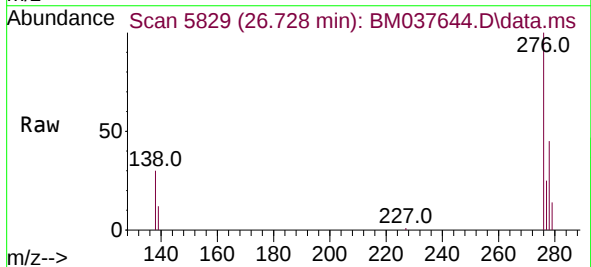
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

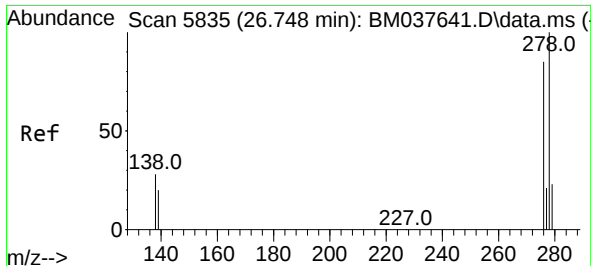
Tgt Ion:252 Resp: 19177  
Ion Ratio Lower Upper  
252 100  
253 29.1 18.8 28.2#  
125 25.7 10.5 15.7#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.358 ng/ul  
RT: 26.728 min Scan# 5829  
Delta R.T. -0.000 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:276 Resp: 24052  
Ion Ratio Lower Upper  
276 100  
138 30.9 21.2 31.8  
227 0.0 0.1 0.1#

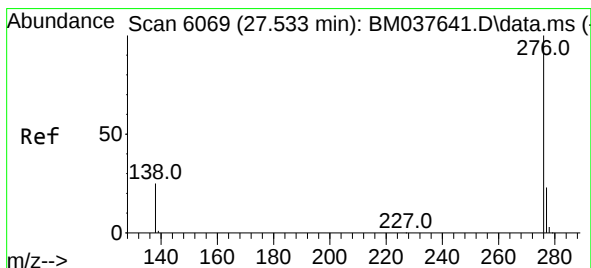
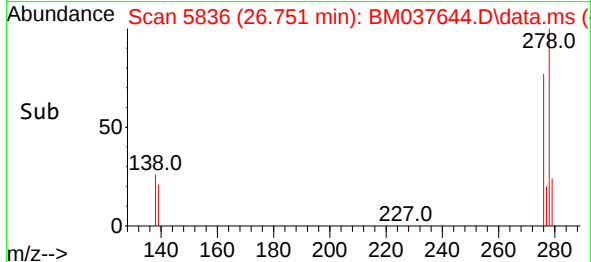
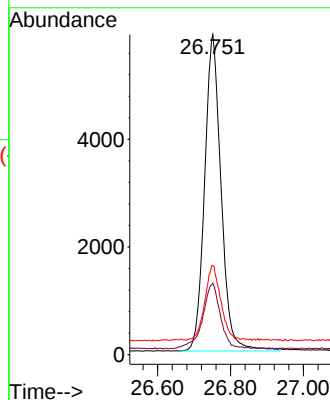
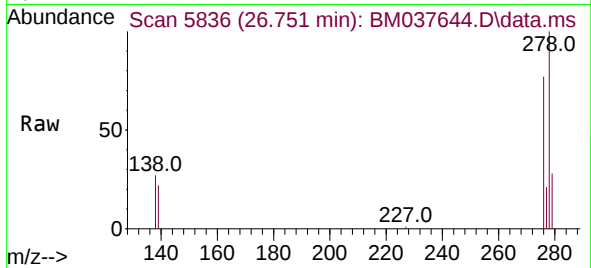




#28  
Dibenzo(a,h)anthracene  
Concen: 0.351 ng/ul  
RT: 26.751 min Scan# 5835  
Delta R.T. 0.003 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS025

Tgt Ion:278 Resp: 18510  
Ion Ratio Lower Upper  
278 100  
139 22.4 15.2 22.8  
279 27.9 20.2 30.2



#29  
Benzo(g,h,i)perylene  
Concen: 0.356 ng/ul  
RT: 27.536 min Scan# 6070  
Delta R.T. 0.003 min  
Lab File: BM037644.D  
Acq: 22 Nov 2022 16:23

Tgt Ion:276 Resp: 20301  
Ion Ratio Lower Upper  
276 100  
138 27.6 19.0 28.4  
277 24.8 19.4 29.2

