

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050322\  
 Data File : BM034900.D  
 Acq On : 03 May 2022 20:44  
 Operator : CG/JU  
 Sample : PB144496BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS496

Quant Time: May 04 03:03:31 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 04 02:59:36 2022  
 Response via : Initial Calibration

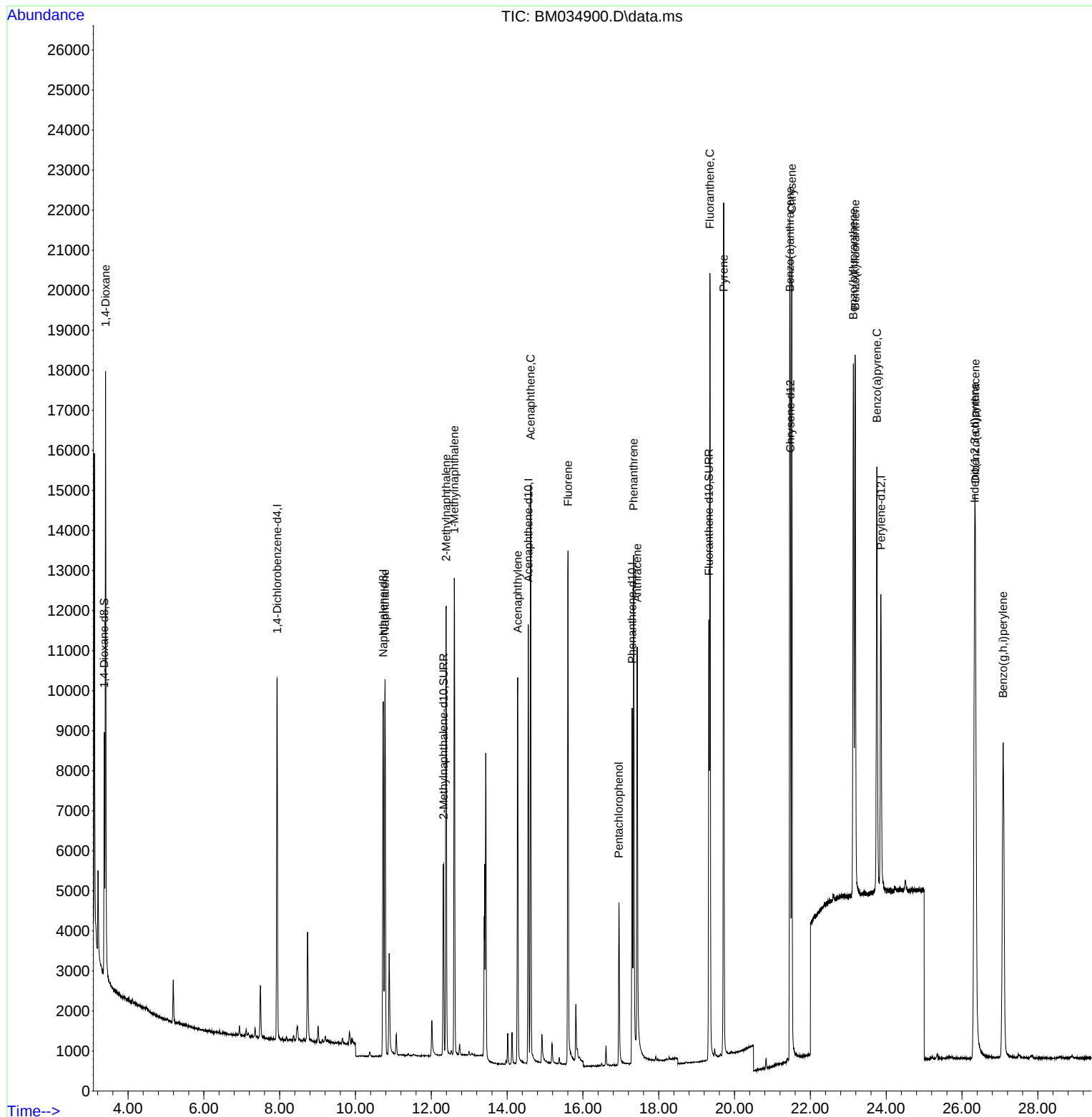
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.934  | 152  | 4660     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.732 | 136  | 11998    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.562 | 164  | 6079     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.297 | 188  | 11710    | 0.400 | ng/ul # | 0.00     |
| 17) Chrysene-d12            | 21.476 | 240  | 10284    | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.861 | 264  | 10375    | 0.400 | ng/ul   | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.373  | 96   | 3542     | 0.687 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.321 | 152  | 6384     | 0.379 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.322 | 212  | 12120    | 0.374 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.407  | 88   | 8888     | 1.812 | ng/ul#  | 83       |
| 5) Naphthalene              | 10.781 | 128  | 12885    | 0.376 | ng/ul#  | 88       |
| 7) 2-Methylnaphthalene      | 12.393 | 142  | 7996     | 0.351 | ng/ul   | 99       |
| 8) 1-Methylnaphthalene      | 12.607 | 142  | 7961     | 0.355 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.280 | 152  | 11414    | 0.430 | ng/ul#  | 90       |
| 11) Acenaphthene            | 14.622 | 153  | 8400     | 0.374 | ng/ul   | 96       |
| 12) Fluorene                | 15.607 | 166  | 8967     | 0.354 | ng/ul#  | 97       |
| 14) Pentachlorophenol       | 16.951 | 266  | 2907     | 0.837 | ng/ul   | 98       |
| 15) Phenanthrene            | 17.339 | 178  | 14359    | 0.371 | ng/ul   | 95       |
| 16) Anthracene              | 17.432 | 178  | 12884    | 0.374 | ng/ul   | 92       |
| 19) Fluoranthene            | 19.350 | 202  | 17608    | 0.357 | ng/ul   | 99       |
| 20) Pyrene                  | 19.713 | 202  | 17909    | 0.361 | ng/ul   | 98       |
| 21) Benzo(a)anthracene      | 21.458 | 228  | 16331    | 0.408 | ng/ul   | 98       |
| 22) Chrysene                | 21.511 | 228  | 17378    | 0.407 | ng/ul   | 98       |
| 24) Benzo(b)fluoranthene    | 23.136 | 252  | 18052    | 0.381 | ng/ul   | 91       |
| 25) Benzo(k)fluoranthene    | 23.182 | 252  | 17712    | 0.374 | ng/ul#  | 89       |
| 26) Benzo(a)pyrene          | 23.755 | 252  | 17117    | 0.443 | ng/ul#  | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.332 | 276  | 20742    | 0.382 | ng/ul#  | 82       |
| 28) Dibenzo(a,h)anthracene  | 26.352 | 278  | 16815    | 0.381 | ng/ul#  | 91       |
| 29) Benzo(g,h,i)perylene    | 27.087 | 276  | 17916    | 0.382 | ng/ul   | 93       |
| -----                       |        |      |          |       |         |          |

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

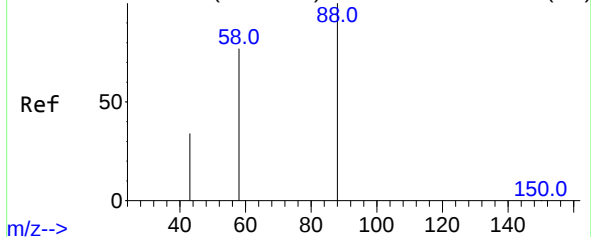
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050322\  
Data File : BM034900.D  
Acq On : 03 May 2022 20:44  
Operator : CG/JU  
Sample : PB144496BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

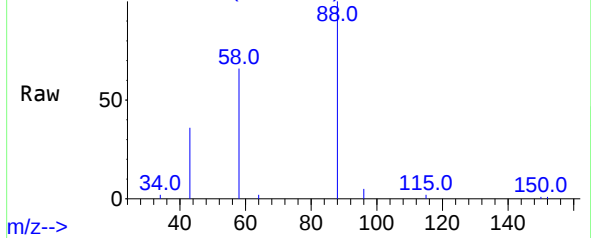
Quant Time: May 04 03:03:31 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM042222.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 04 02:59:36 2022  
Response via : Initial Calibration



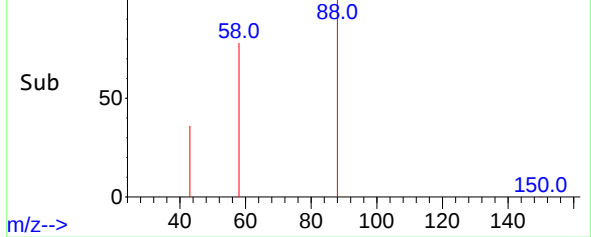
Abundance Scan 77 (3.407 min): BM034886.D\data.ms (-70)



m/z--> Scan 77 (3.407 min): BM034900.D\data.ms



m/z--> Abundance Scan 77 (3.407 min): BM034900.D\data.ms (-65)



m/z-->

#2

1,4-Dioxane

Concen: 1.812 ng/ul

RT: 3.407 min Scan# 71

Delta R.T. -0.000 min

Lab File: BM034900.D

Acq: 03 May 2022 20:44

Instrument :

BNA\_M

ClientSampleId :

SLCS496

Tgt Ion: 88 Resp: 8888

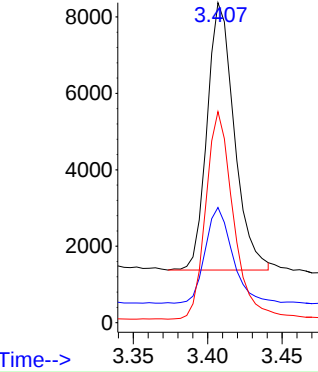
Ion Ratio Lower Upper

88 100

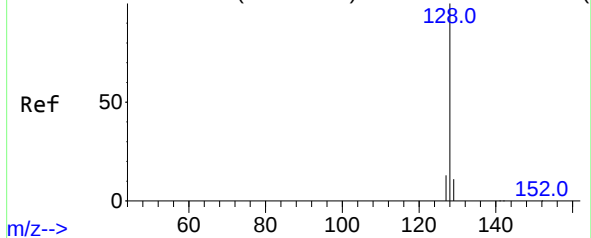
43 36.0 49.7 74.5#

58 65.9 52.5 78.7

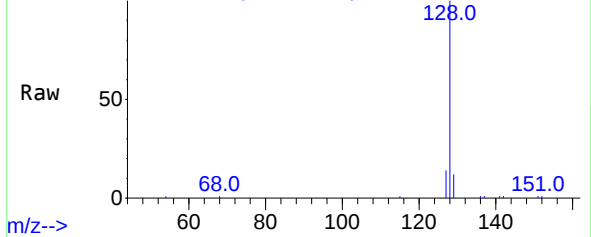
Abundance



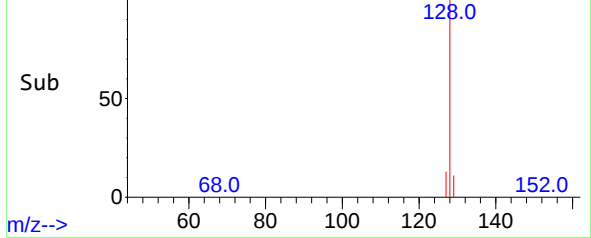
Abundance Scan 1785 (10.781 min): BM034886.D\data.ms (-70)



m/z--> Scan 1785 (10.781 min): BM034900.D\data.ms



m/z--> Abundance Scan 1785 (10.781 min): BM034900.D\data.ms (-65)



m/z-->

#5

Naphthalene

Concen: 0.376 ng/ul

RT: 10.781 min Scan# 1785

Delta R.T. -0.000 min

Lab File: BM034900.D

Acq: 03 May 2022 20:44

Tgt Ion:128 Resp: 12885

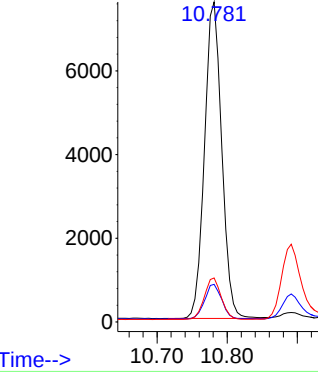
Ion Ratio Lower Upper

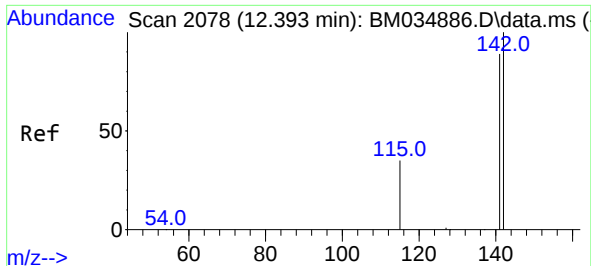
128 100

129 11.7 13.4 20.2#

127 13.8 15.2 22.8#

Abundance

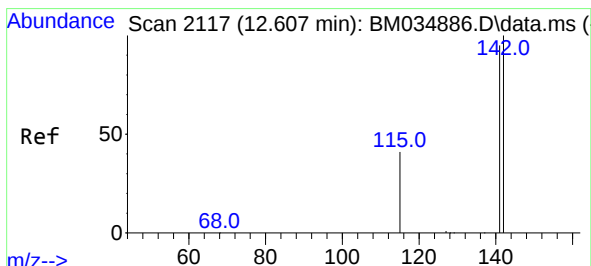
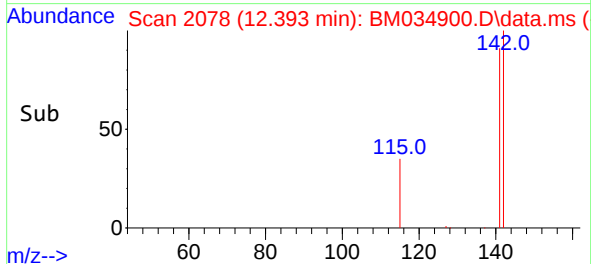
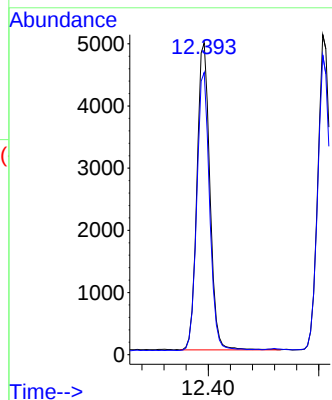
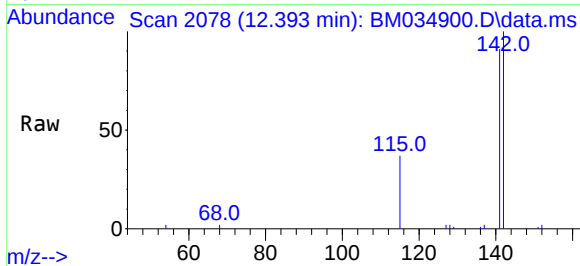




#7  
2-Methylnaphthalene  
Concen: 0.351 ng/ul  
RT: 12.393 min Scan# 2078  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

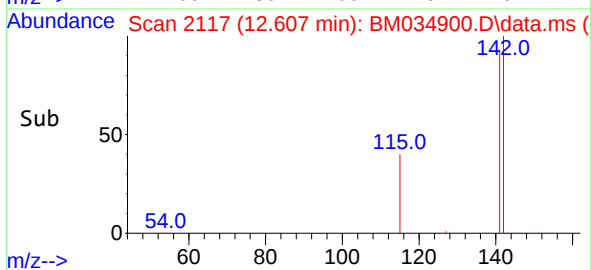
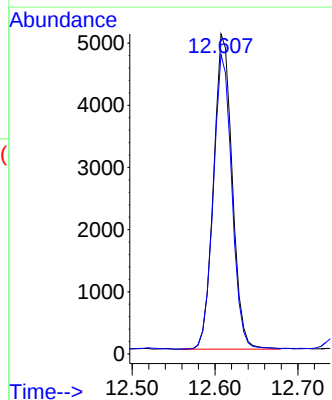
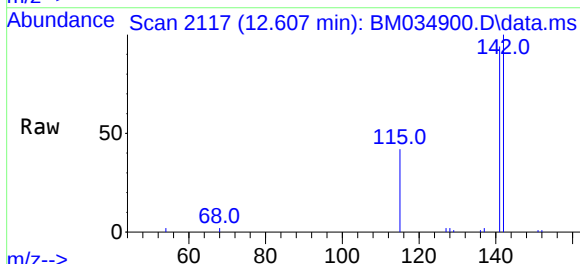
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

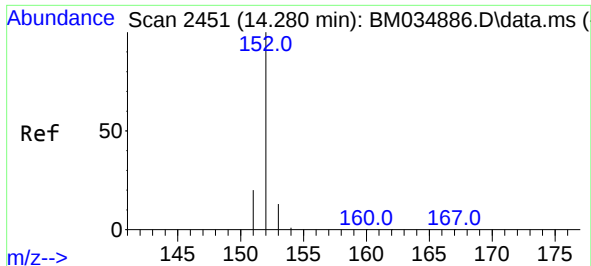
Tgt Ion:142 Resp: 7996  
Ion Ratio Lower Upper  
142 100  
141 90.3 71.8 107.6



#8  
1-Methylnaphthalene  
Concen: 0.355 ng/ul  
RT: 12.607 min Scan# 2117  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:142 Resp: 7961  
Ion Ratio Lower Upper  
142 100  
141 92.8 75.0 112.4

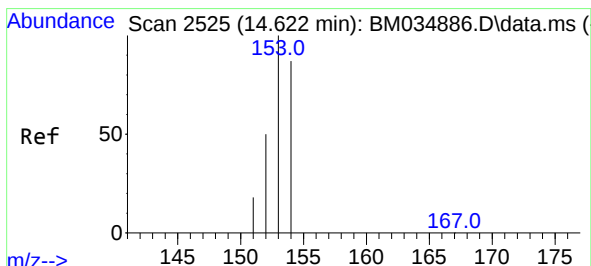
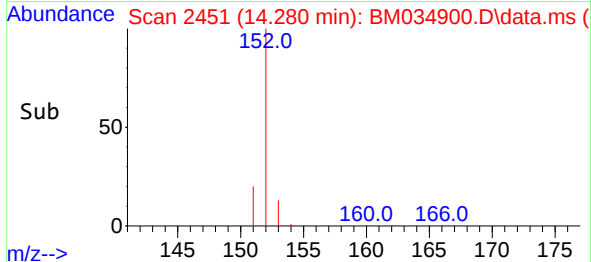
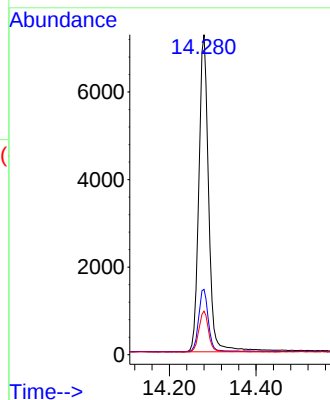
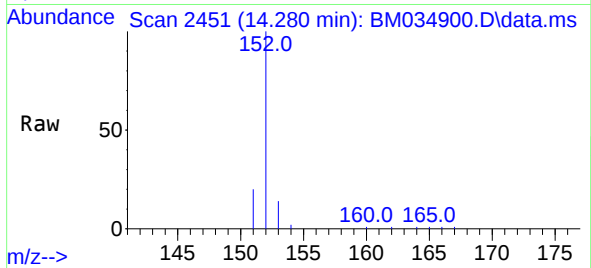




#10  
Acenaphthylene  
Concen: 0.430 ng/ul  
RT: 14.280 min Scan# 2451  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

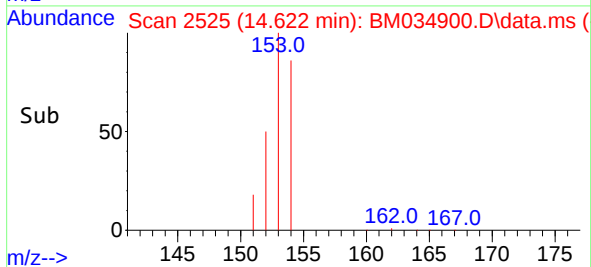
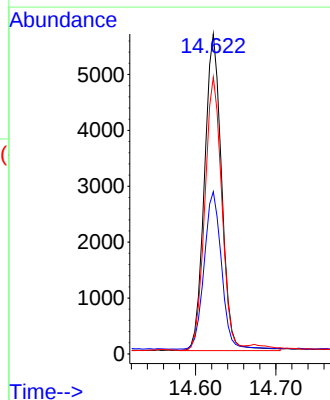
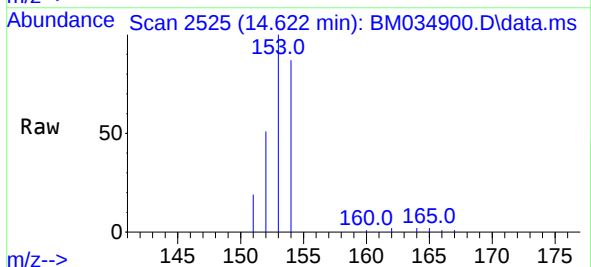
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ClientSampleId :  
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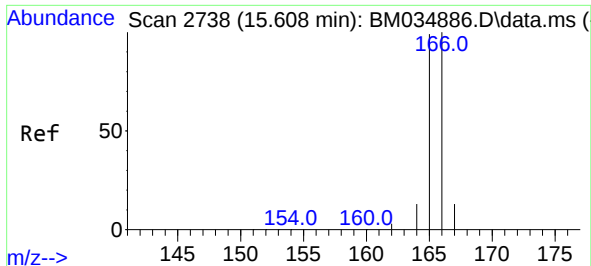
Tgt Ion:152 Resp: 11414  
Ion Ratio Lower Upper  
152 100  
151 20.4 19.9 29.9  
153 13.6 15.0 22.4#



#11  
Acenaphthene  
Concen: 0.374 ng/ul  
RT: 14.622 min Scan# 2525  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:153 Resp: 8400  
Ion Ratio Lower Upper  
153 100  
152 50.7 42.4 63.6  
154 86.6 66.2 99.2

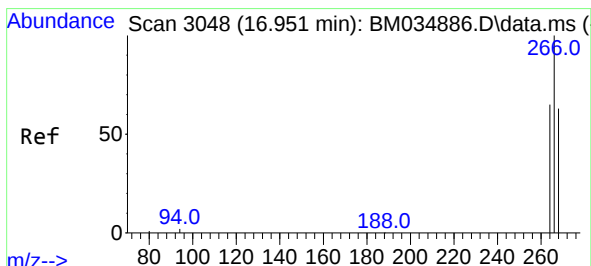
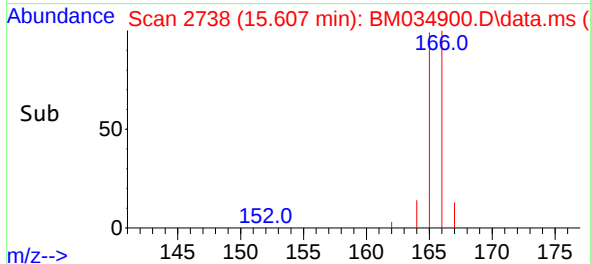
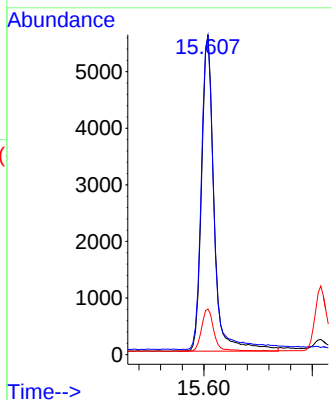
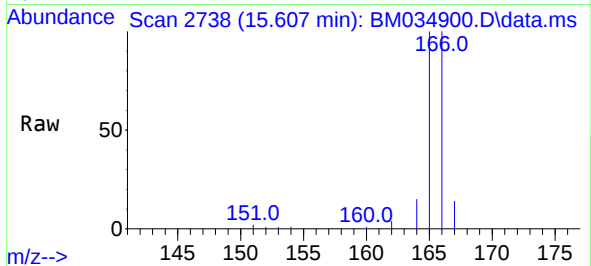




#12  
Fluorene  
Concen: 0.354 ng/ul  
RT: 15.607 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

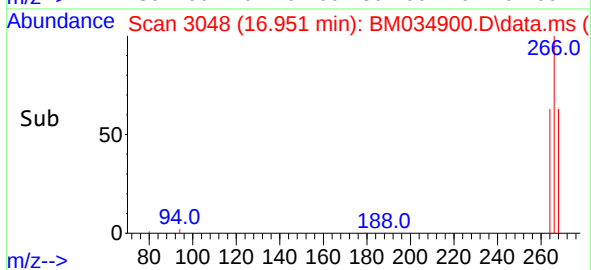
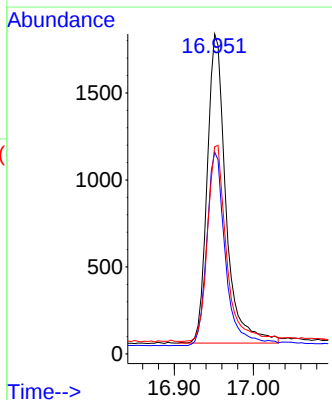
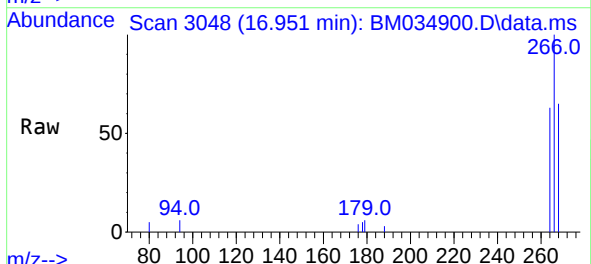
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ClientSampleId :  
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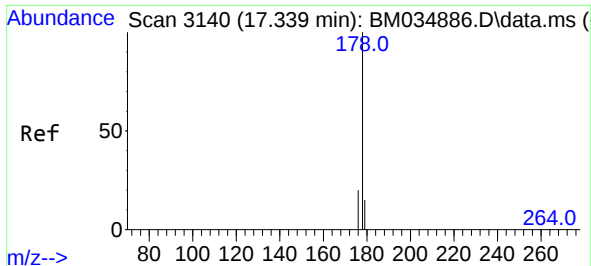
Tgt Ion:166 Resp: 8967  
Ion Ratio Lower Upper  
166 100  
165 99.7 81.1 121.7  
167 14.3 14.9 22.3#



#14  
Pentachlorophenol  
Concen: 0.837 ng/ul  
RT: 16.951 min Scan# 3048  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:266 Resp: 2907  
Ion Ratio Lower Upper  
266 100  
264 62.7 51.4 77.0  
268 64.3 53.1 79.7

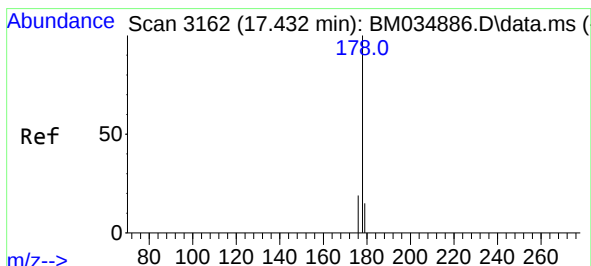
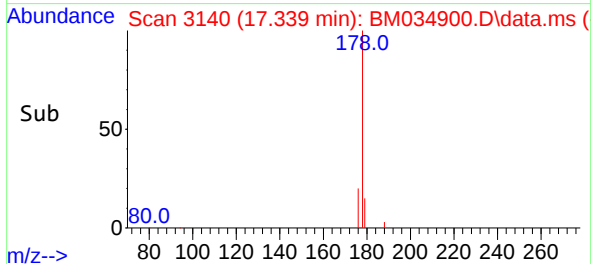
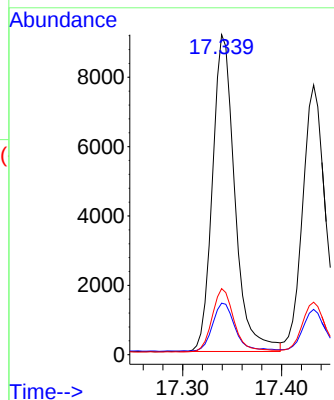
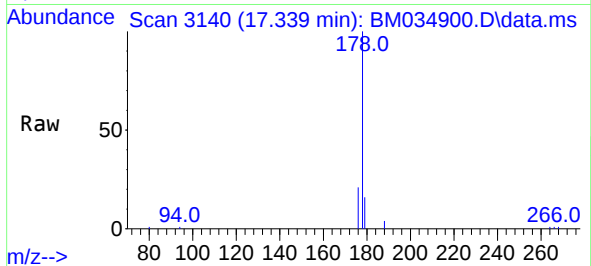




#15  
Phenanthrene  
Concen: 0.371 ng/ul  
RT: 17.339 min Scan# 3140  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

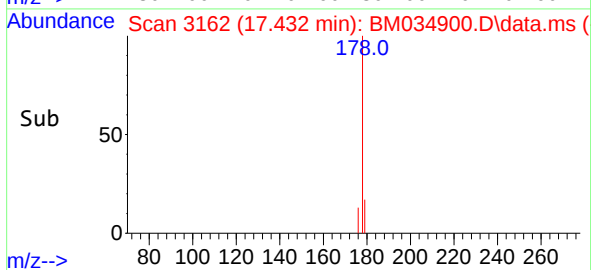
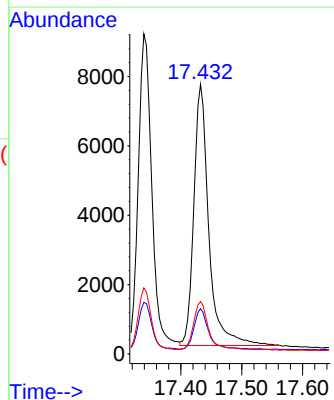
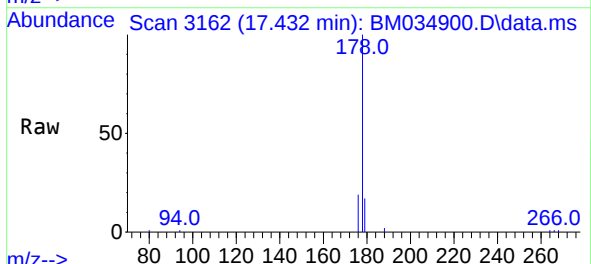
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

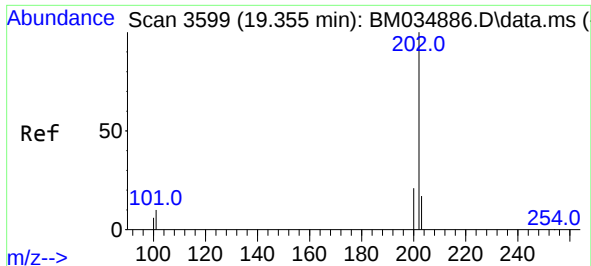
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|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 14359 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.1  | 15.0  | 22.6  |
| 176      | 20.6  | 17.9  | 26.9  |



#16  
Anthracene  
Concen: 0.374 ng/ul  
RT: 17.432 min Scan# 3162  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 12884 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.8  | 16.5  | 24.7  |
| 176      | 19.4  | 18.3  | 27.5  |

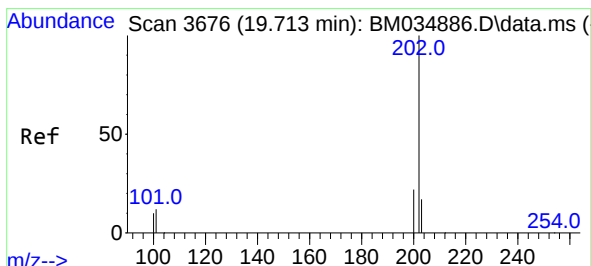
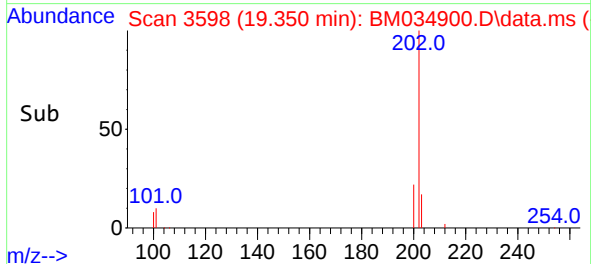
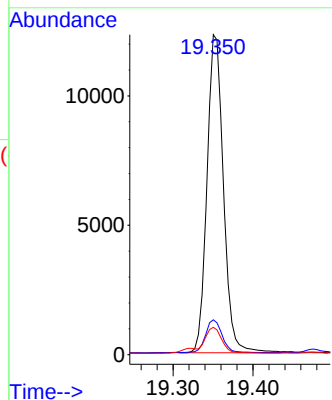
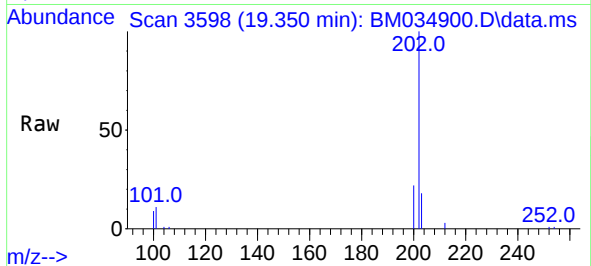




#19  
Fluoranthene  
Concen: 0.357 ng/ul  
RT: 19.350 min Scan# 31  
Delta R.T. -0.005 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

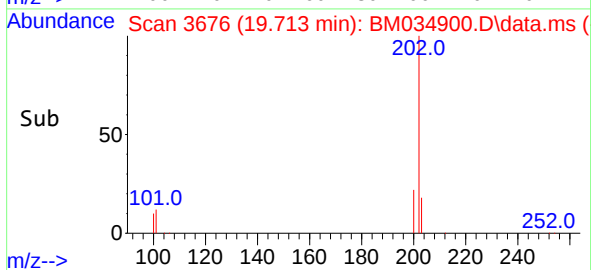
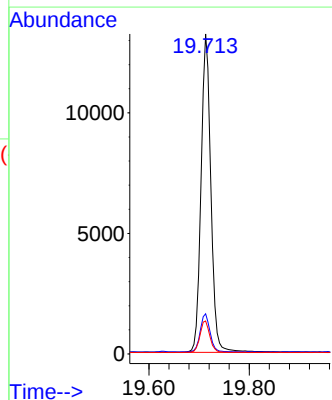
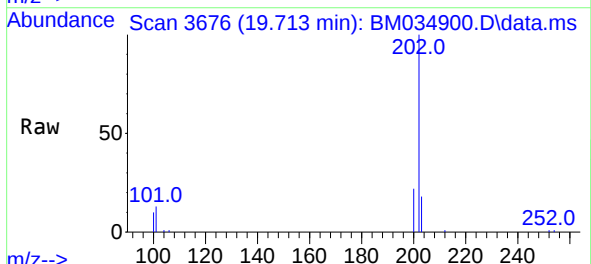
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

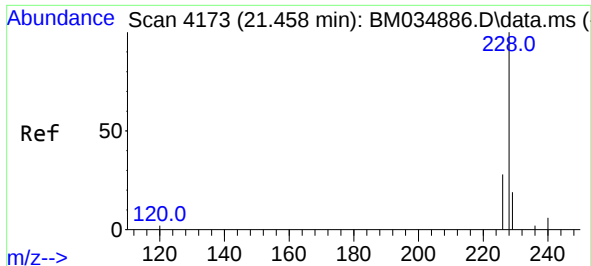
Tgt Ion:202 Resp: 17608  
Ion Ratio Lower Upper  
202 100  
101 10.9 9.2 13.8  
100 8.5 7.2 10.8



#20  
Pyrene  
Concen: 0.361 ng/ul  
RT: 19.713 min Scan# 3676  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:202 Resp: 17909  
Ion Ratio Lower Upper  
202 100  
101 12.6 9.3 13.9  
100 10.3 7.8 11.6



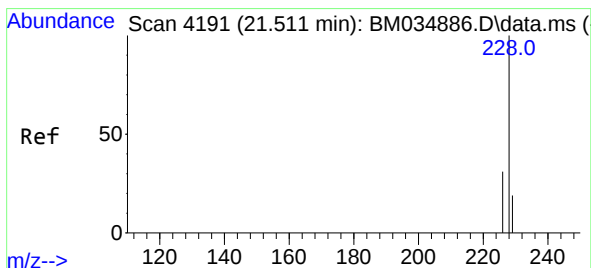
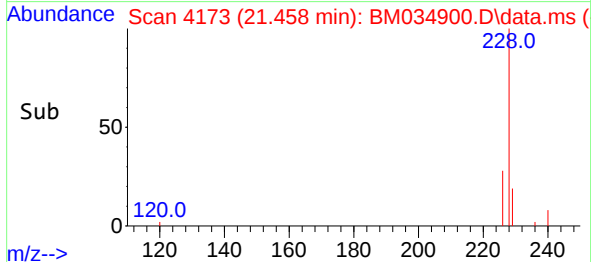
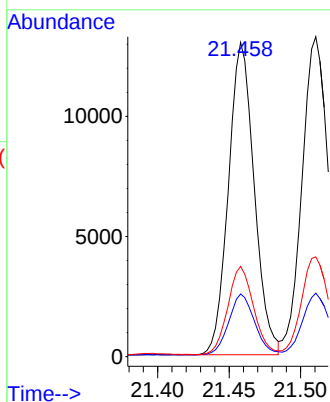
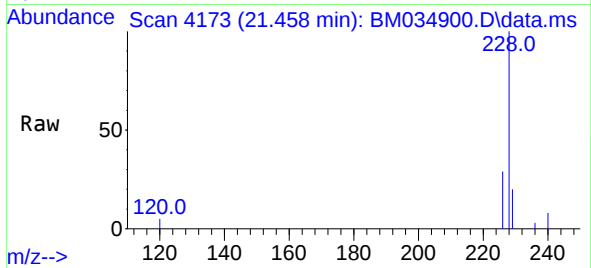


#21  
Benzo(a)anthracene  
Concen: 0.408 ng/ul  
RT: 21.458 min Scan# 4173  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

Tgt Ion:228 Resp: 16331

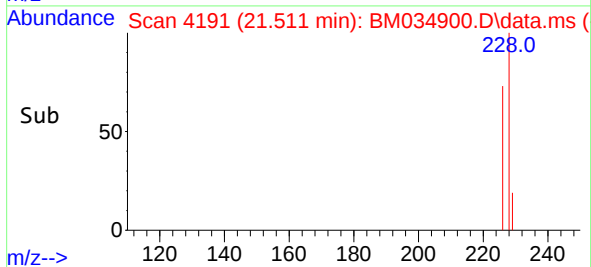
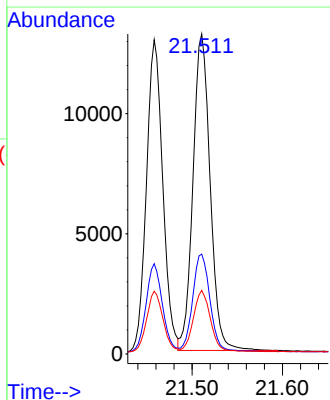
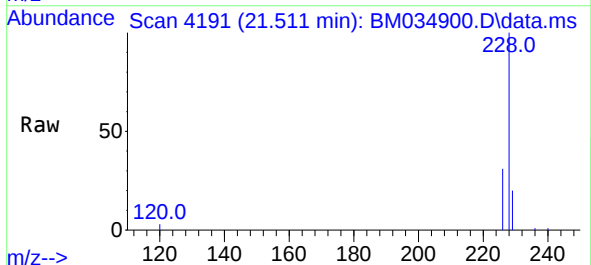
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 19.9  | 17.3  | 25.9  |
| 226 | 28.7  | 23.2  | 34.8  |

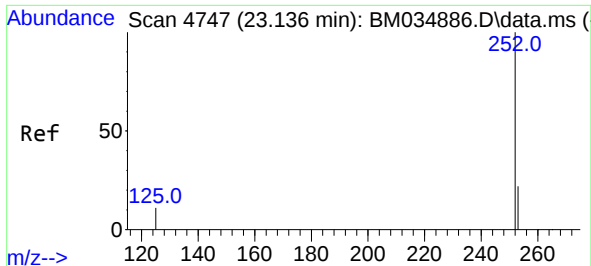


#22  
Chrysene  
Concen: 0.407 ng/ul  
RT: 21.511 min Scan# 4191  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:228 Resp: 17378

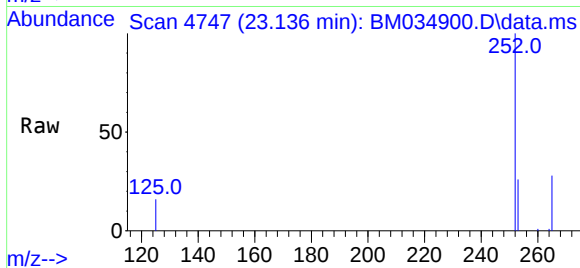
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 31.2  | 25.8  | 38.8  |
| 229 | 19.9  | 16.7  | 25.1  |



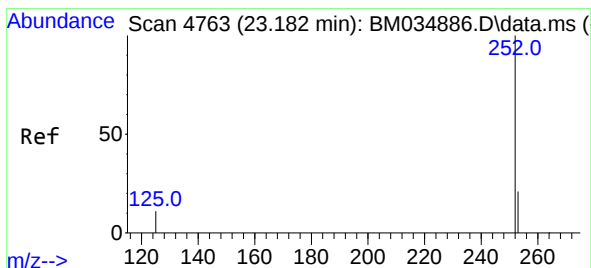
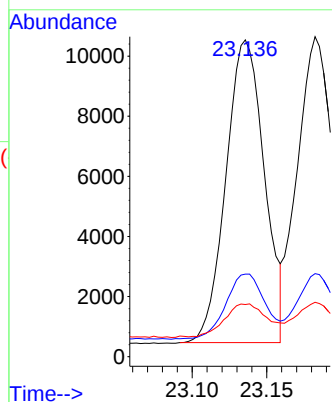


#24  
Benzo(b)fluoranthene  
Concen: 0.381 ng/ul  
RT: 23.136 min Scan# 4747  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

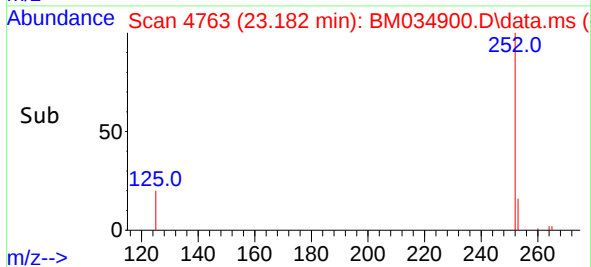
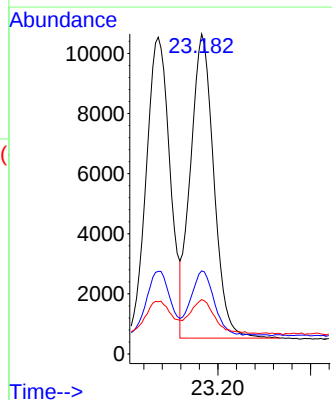
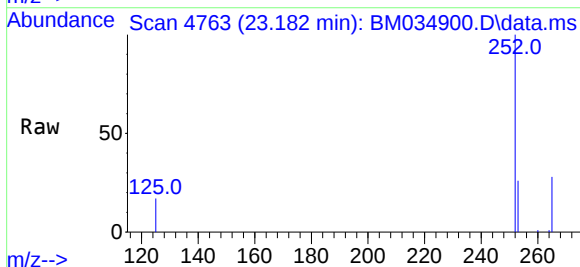


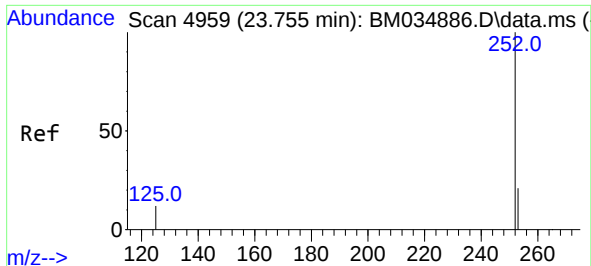
Tgt Ion:252 Resp: 18052  
Ion Ratio Lower Upper  
252 100  
253 26.1 0.0 64.2  
125 16.5 0.0 28.8



#25  
Benzo(k)fluoranthene  
Concen: 0.374 ng/ul  
RT: 23.182 min Scan# 4763  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

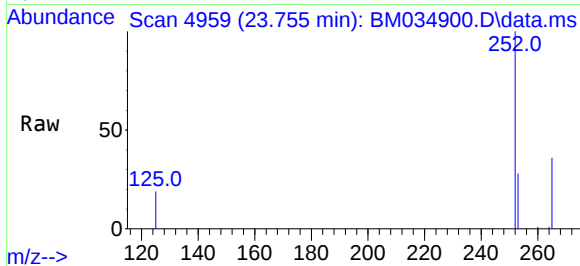
Tgt Ion:252 Resp: 17712  
Ion Ratio Lower Upper  
252 100  
253 25.9 26.8 40.2#  
125 17.0 12.0 18.0



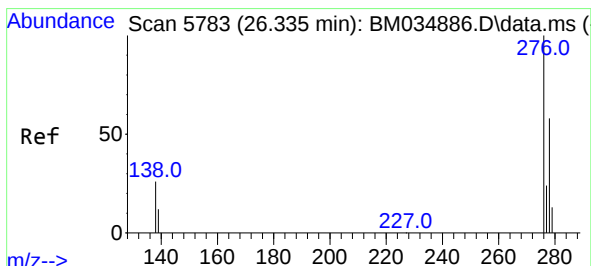
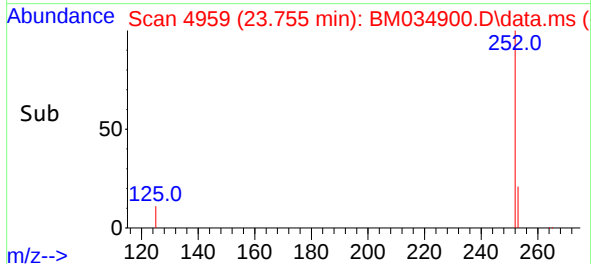
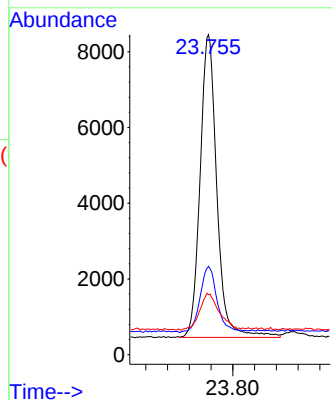


#26  
Benzo(a)pyrene  
Concen: 0.443 ng/ul  
RT: 23.755 min Scan# 4959  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

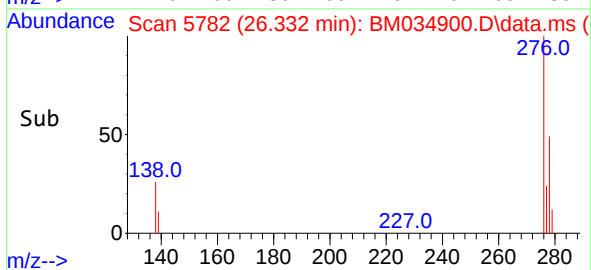
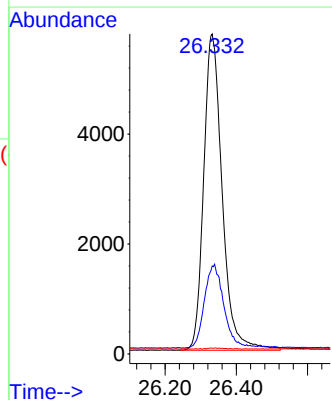
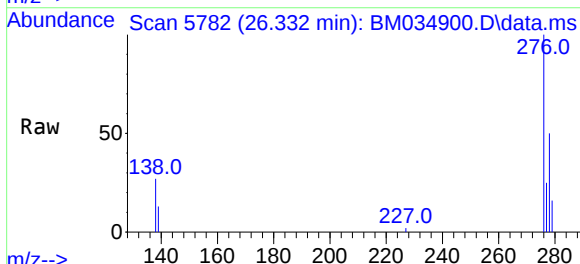


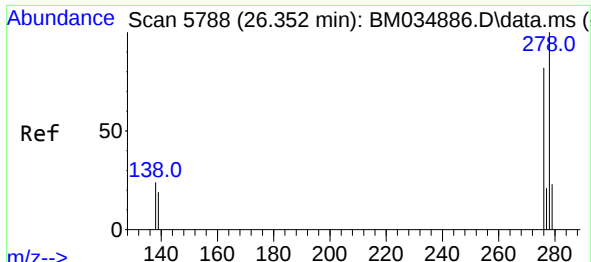
Tgt Ion:252 Resp: 17117  
Ion Ratio Lower Upper  
252 100  
253 27.6 32.0 48.0#  
125 18.7 14.5 21.7



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.382 ng/ul  
RT: 26.332 min Scan# 5782  
Delta R.T. -0.003 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:276 Resp: 20742  
Ion Ratio Lower Upper  
276 100  
138 27.8 15.8 23.6#  
227 0.3 0.0 0.0#

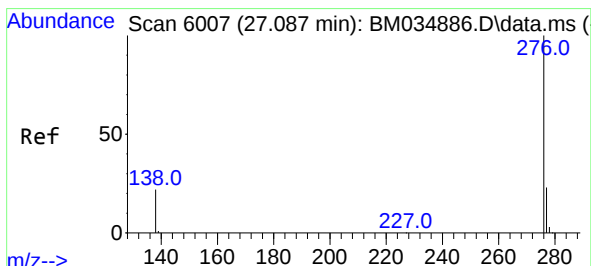
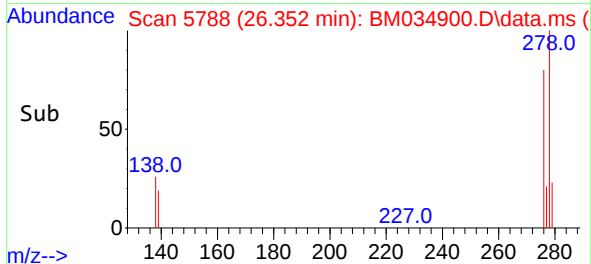
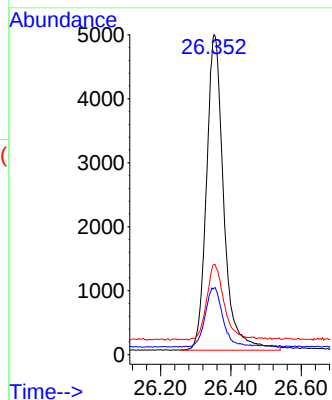
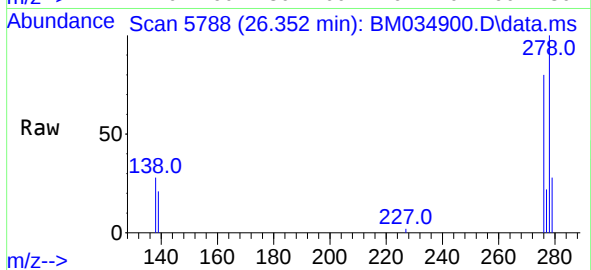




#28  
Dibenzo(a,h)anthracene  
Concen: 0.381 ng/ul  
RT: 26.352 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS496

Tgt Ion:278 Resp: 16815  
Ion Ratio Lower Upper  
278 100  
139 20.8 18.0 27.0  
279 28.2 28.6 42.8#



#29  
Benzo(g,h,i)perylene  
Concen: 0.382 ng/ul  
RT: 27.087 min Scan# 6007  
Delta R.T. -0.000 min  
Lab File: BM034900.D  
Acq: 03 May 2022 20:44

Tgt Ion:276 Resp: 17916  
Ion Ratio Lower Upper  
276 100  
138 25.0 17.4 26.0  
277 24.4 22.6 33.8

