

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012022\  
 Data File : BM033814.D  
 Acq On : 21 Jan 2022 06:50  
 Operator : CG/JU  
 Sample : PB142158BS  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS158

Quant Time: Jan 21 07:22:31 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM010422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 21 01:34:59 2022  
 Response via : Initial Calibration

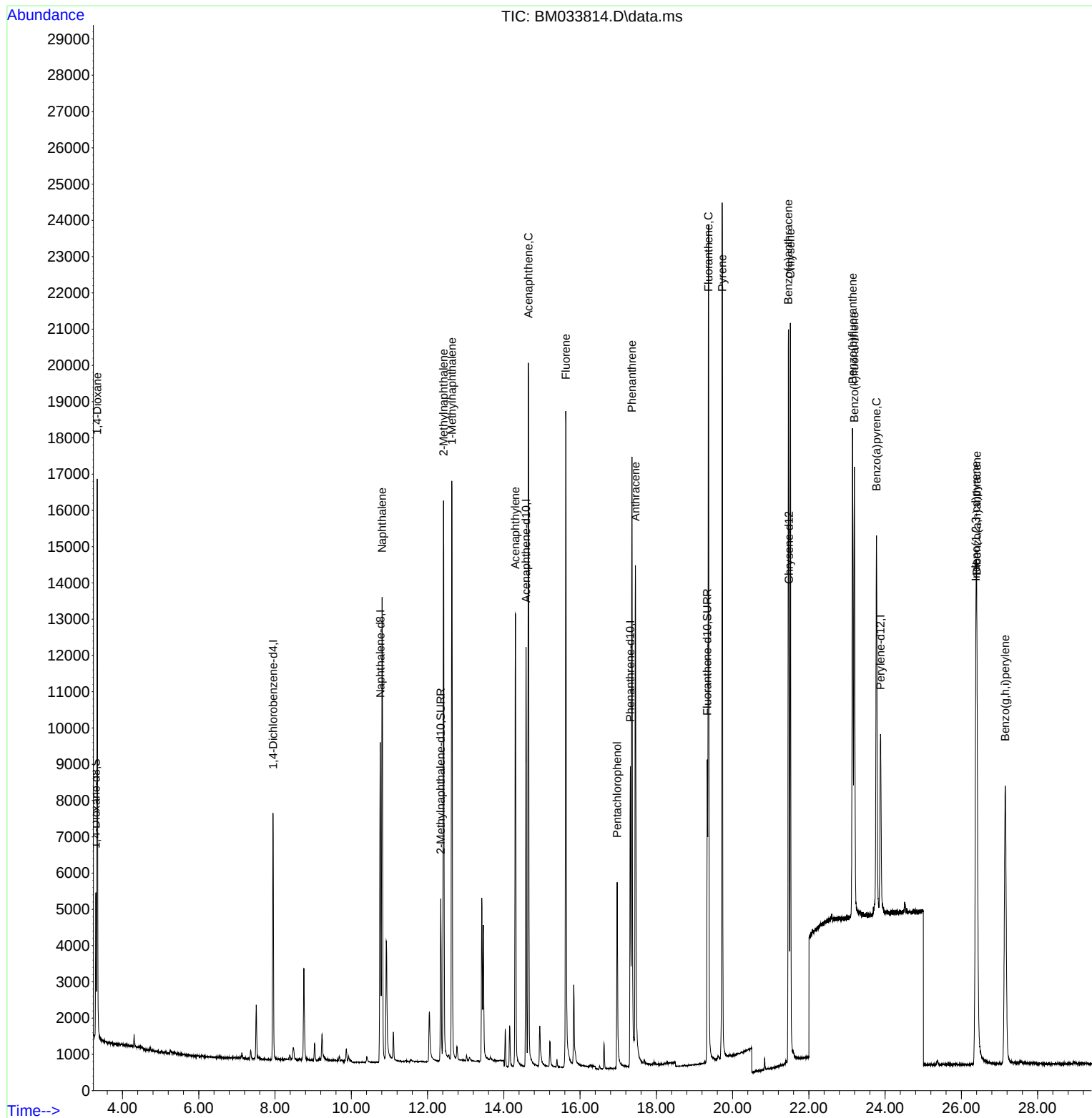
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.950  | 152  | 3368     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.761 | 136  | 12194    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.583 | 164  | 6308     | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.320 | 188  | 11076    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.480 | 240  | 7226     | 0.400 | ng/ul # | 0.00     |
| 23) Perylene-d12            | 23.880 | 264  | 7160     | 0.400 | ng/ul   | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.303  | 96   | 2352     | 0.656 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.348 | 152  | 6066     | 0.366 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.338 | 212  | 9355     | 0.418 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.337  | 88   | 9054     | 2.313 | ng/ul#  | 76       |
| 5) Naphthalene              | 10.810 | 128  | 17407    | 0.493 | ng/ul#  | 87       |
| 7) 2-Methylnaphthalene      | 12.420 | 142  | 11223    | 0.495 | ng/ul   | 100      |
| 8) 1-Methylnaphthalene      | 12.640 | 142  | 10924    | 0.490 | ng/ul   | 99       |
| 10) Acenaphthylene          | 14.303 | 152  | 15451    | 0.530 | ng/ul#  | 90       |
| 11) Acenaphthene            | 14.644 | 153  | 11593    | 0.498 | ng/ul   | 95       |
| 12) Fluorene                | 15.630 | 166  | 12687    | 0.456 | ng/ul#  | 94       |
| 14) Pentachlorophenol       | 16.973 | 266  | 4027     | 0.921 | ng/ul   | 97       |
| 15) Phenanthrene            | 17.361 | 178  | 18556    | 0.517 | ng/ul   | 94       |
| 16) Anthracene              | 17.451 | 178  | 17027    | 0.517 | ng/ul#  | 92       |
| 19) Fluoranthene            | 19.368 | 202  | 20066    | 0.592 | ng/ul   | 100      |
| 20) Pyrene                  | 19.727 | 202  | 20196    | 0.589 | ng/ul#  | 94       |
| 21) Benzo(a)anthracene      | 21.463 | 228  | 16698    | 0.556 | ng/ul   | 98       |
| 22) Chrysene                | 21.516 | 228  | 17621    | 0.574 | ng/ul   | 98       |
| 24) Benzo(b)fluoranthene    | 23.146 | 252  | 17779    | 0.567 | ng/ul   | 91       |
| 25) Benzo(k)fluoranthene    | 23.195 | 252  | 17812    | 0.579 | ng/ul#  | 90       |
| 26) Benzo(a)pyrene          | 23.774 | 252  | 16713    | 0.613 | ng/ul#  | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.381 | 276  | 20827    | 0.587 | ng/ul#  | 85       |
| 28) Dibenzo(a,h)anthracene  | 26.407 | 278  | 16835    | 0.597 | ng/ul#  | 90       |
| 29) Benzo(g,h,i)perylene    | 27.151 | 276  | 18088    | 0.593 | ng/ul   | 94       |
| -----                       |        |      |          |       |         |          |

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

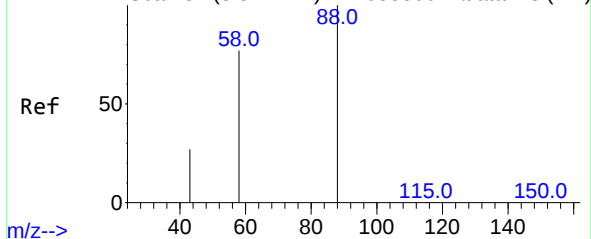
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012022\  
Data File : BM033814.D  
Acq On : 21 Jan 2022 06:50  
Operator : CG/JU  
Sample : PB142158BS  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

Quant Time: Jan 21 07:22:31 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-SIM-BM010422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 21 01:34:59 2022  
Response via : Initial Calibration



Abundance Scan 31 (3.341 min): BM033800.D\data.ms (-22)



#2

1,4-Dioxane

Concen: 2.313 ng/ul

RT: 3.337 min Scan# 30

Delta R.T. 0.000 min

Lab File: BM033814.D

Acq: 21 Jan 2022 06:50

Instrument :

BNA\_M

ClientSampleId :

SLCS158

Tgt Ion: 88 Resp: 9054

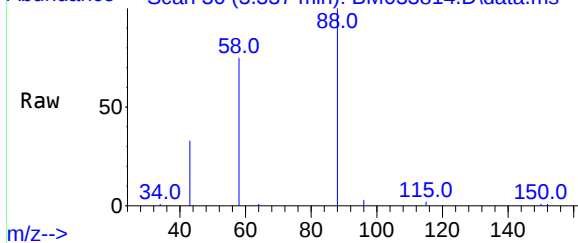
Ion Ratio Lower Upper

88 100

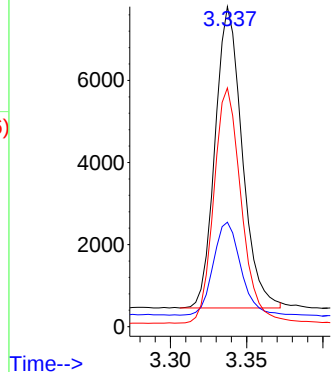
43 32.6 49.7 74.5#

58 74.6 52.5 78.7

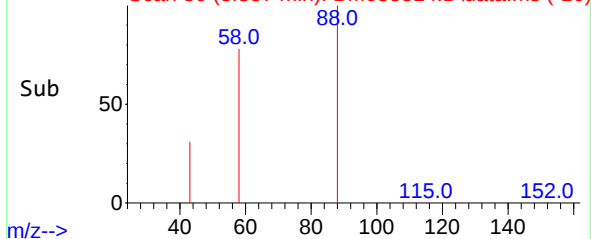
Abundance Scan 30 (3.337 min): BM033814.D\data.ms



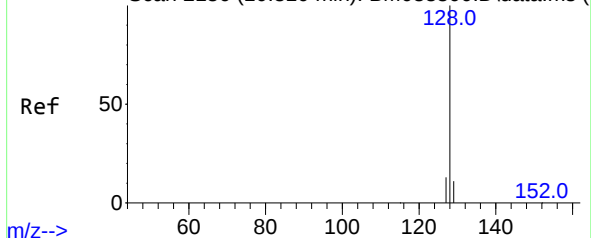
Abundance



Abundance Scan 30 (3.337 min): BM033814.D\data.ms (-16)



Abundance Scan 2136 (10.810 min): BM033800.D\data.ms (-16)



#5

Naphthalene

Concen: 0.493 ng/ul

RT: 10.810 min Scan# 2136

Delta R.T. -0.004 min

Lab File: BM033814.D

Acq: 21 Jan 2022 06:50

Tgt Ion: 128 Resp: 17407

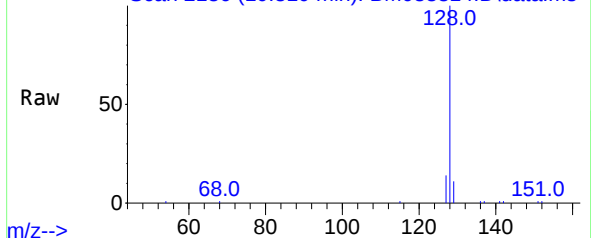
Ion Ratio Lower Upper

128 100

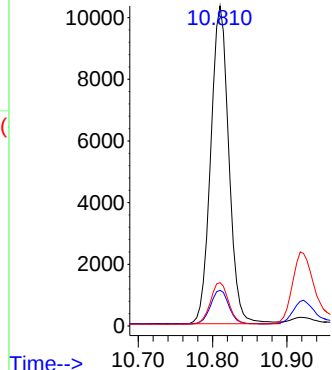
129 11.1 13.4 20.2#

127 13.5 15.2 22.8#

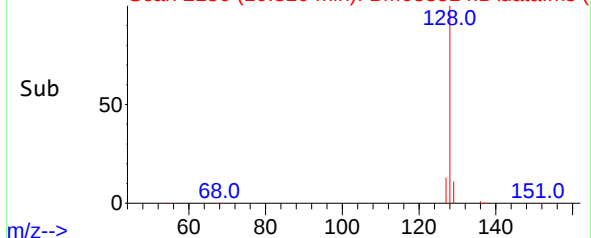
Abundance Scan 2136 (10.810 min): BM033814.D\data.ms

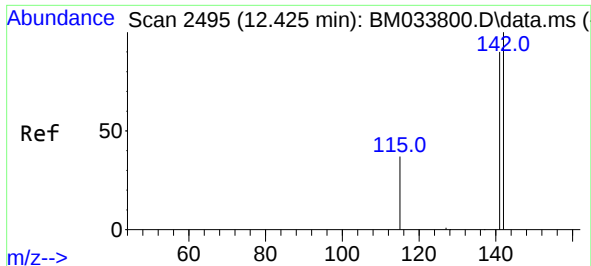


Abundance



Abundance Scan 2136 (10.810 min): BM033814.D\data.ms (-16)

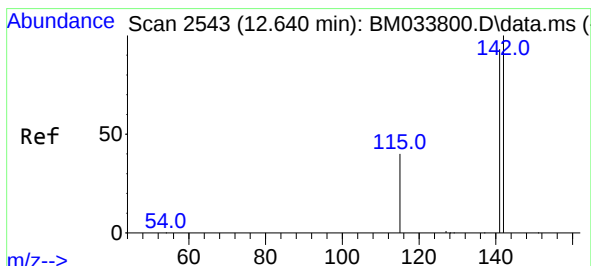
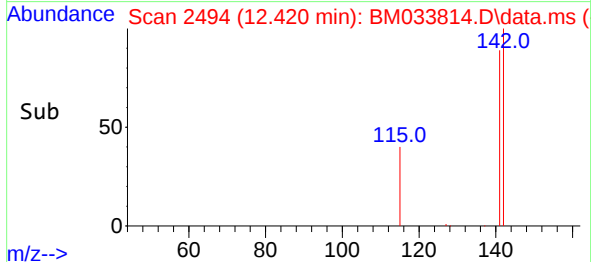
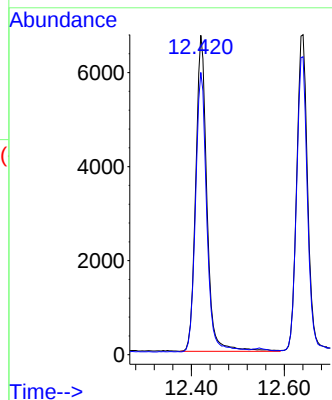
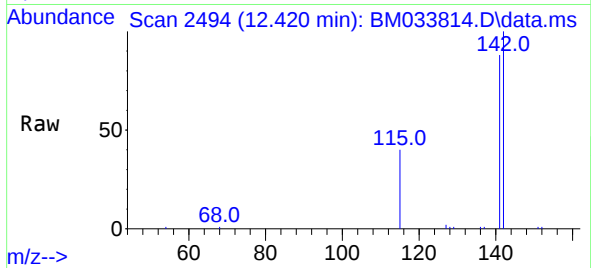




#7  
2-Methylnaphthalene  
Concen: 0.495 ng/ul  
RT: 12.420 min Scan# 2495  
Delta R.T. -0.004 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

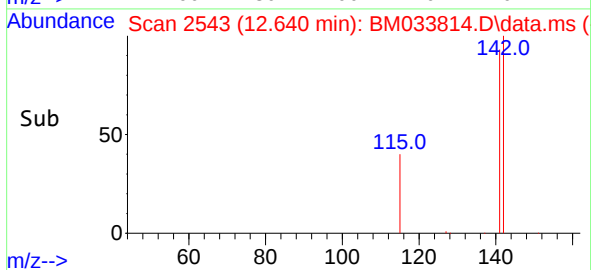
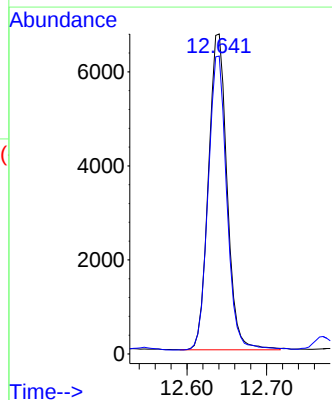
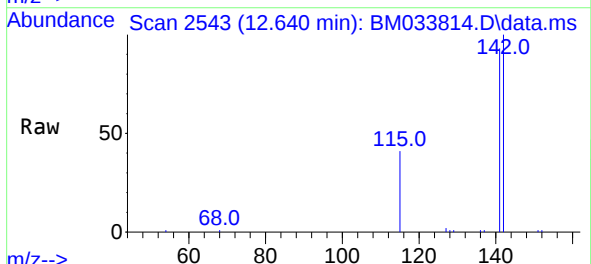
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

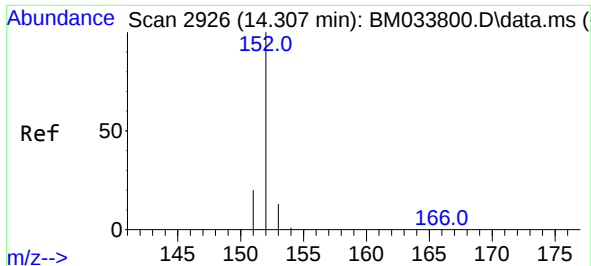
Tgt Ion:142 Resp: 11223  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.8 107.6



#8  
1-Methylnaphthalene  
Concen: 0.490 ng/ul  
RT: 12.640 min Scan# 2543  
Delta R.T. 0.000 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:142 Resp: 10924  
Ion Ratio Lower Upper  
142 100  
141 93.1 75.0 112.4

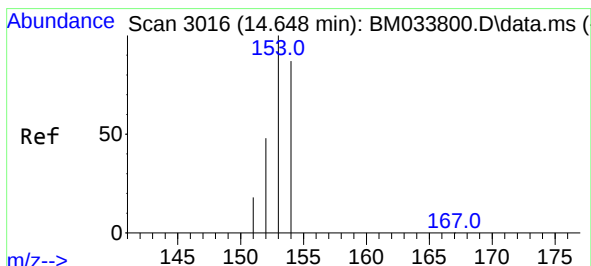
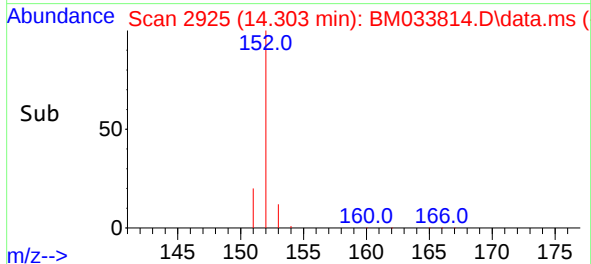
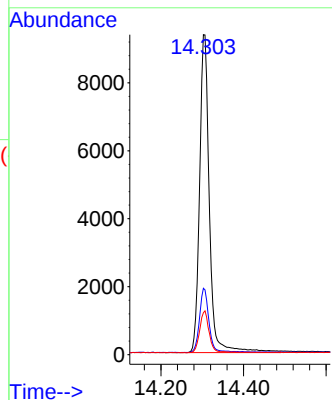
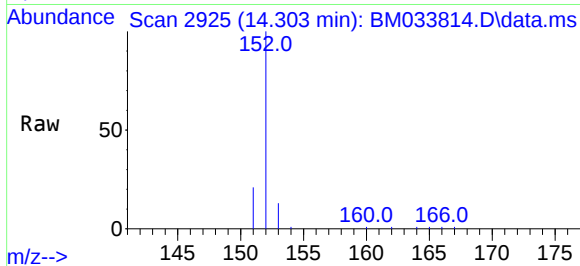




#10  
Acenaphthylene  
Concen: 0.530 ng/u1  
RT: 14.303 min Scan# 2925  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

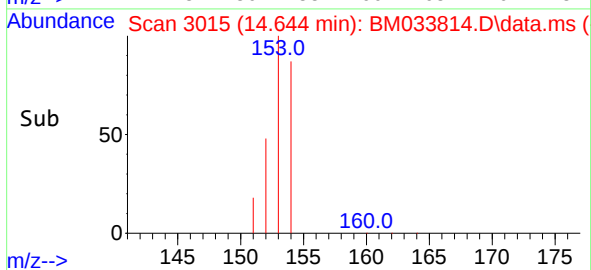
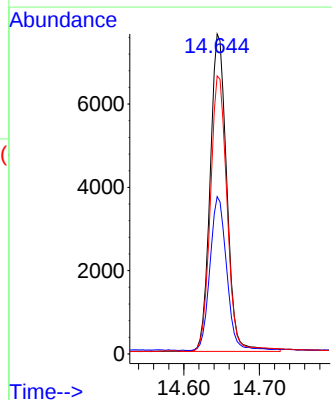
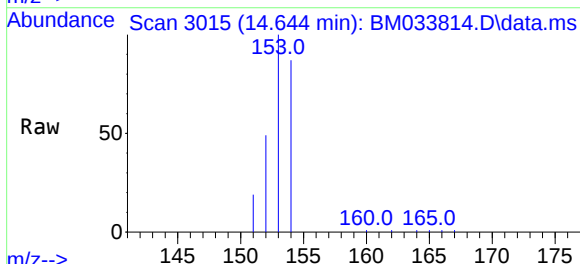
Instrument :  
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ClientSampleId :  
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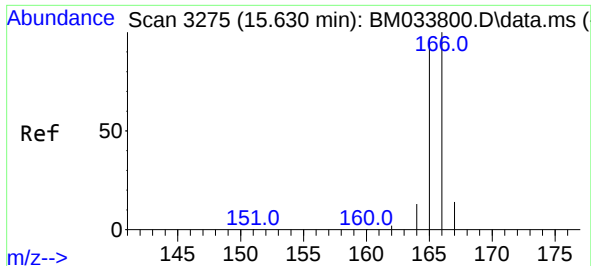
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.8  | 19.9  | 29.9  |
| 153     | 13.1  | 15.0  | 22.4  |



#11  
Acenaphthene  
Concen: 0.498 ng/u1  
RT: 14.644 min Scan# 3015  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 49.2  | 42.4  | 63.6  |
| 154     | 86.9  | 66.2  | 99.2  |

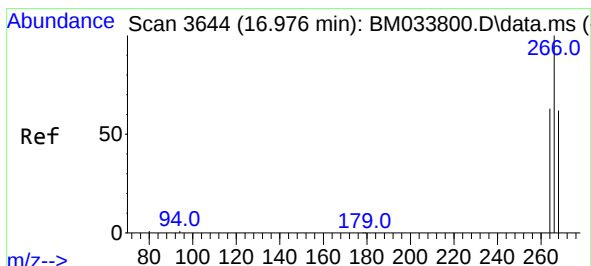
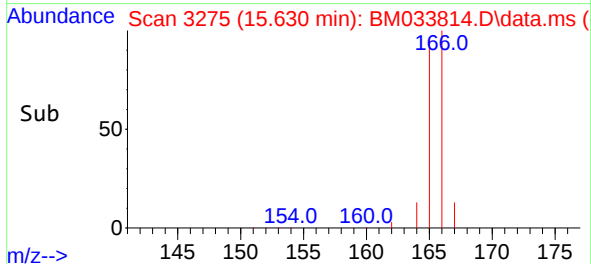
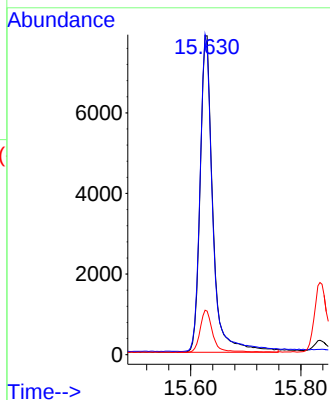
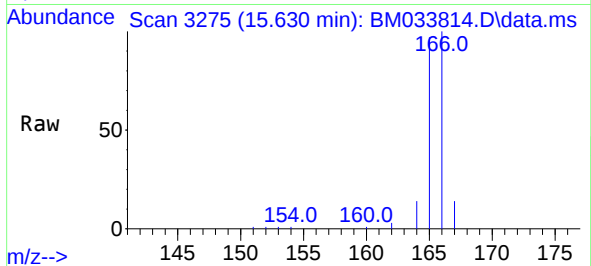




#12  
Fluorene  
Concen: 0.456 ng/ul  
RT: 15.630 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

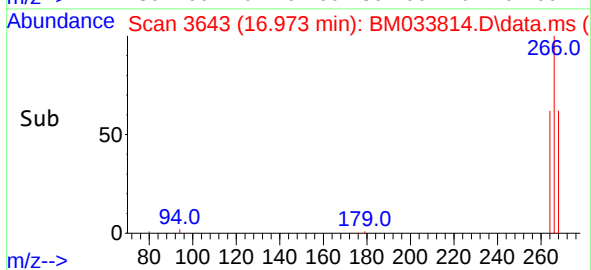
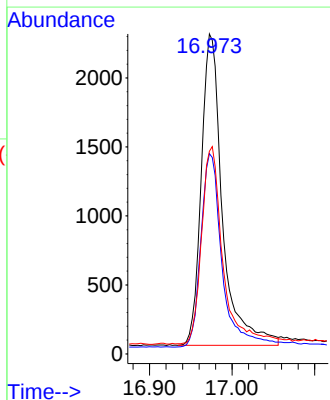
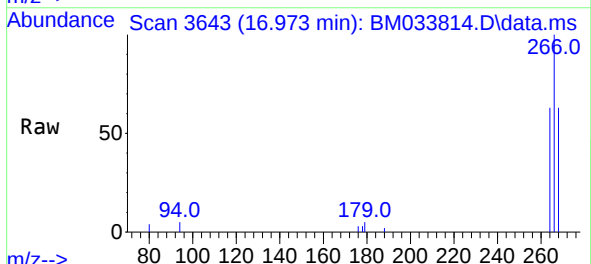
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

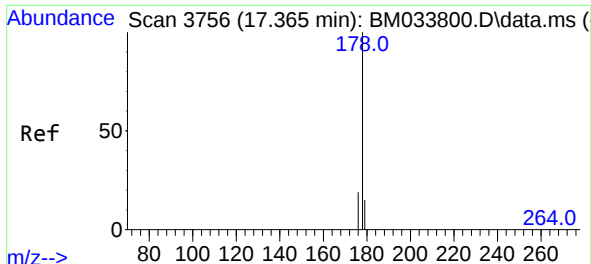
Tgt Ion:166 Resp: 12687  
Ion Ratio Lower Upper  
166 100  
165 96.8 81.1 121.7  
167 13.6 14.9 22.3#



#14  
Pentachlorophenol  
Concen: 0.921 ng/ul  
RT: 16.973 min Scan# 3643  
Delta R.T. -0.003 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:266 Resp: 4027  
Ion Ratio Lower Upper  
266 100  
264 62.4 51.4 77.0  
268 63.6 53.1 79.7

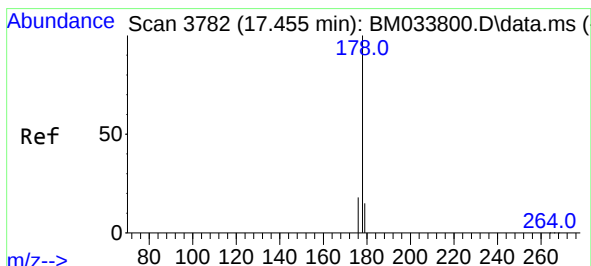
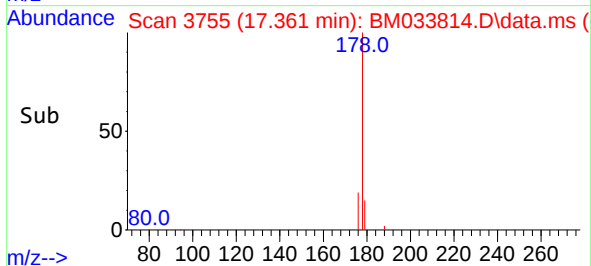
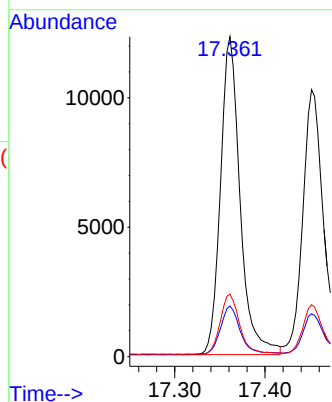
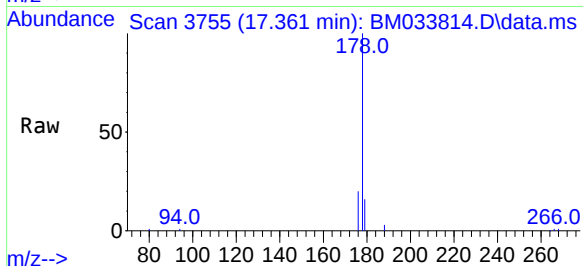




#15  
Phenanthrene  
Concen: 0.517 ng/ul  
RT: 17.361 min Scan# 3756  
Delta R.T. -0.003 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

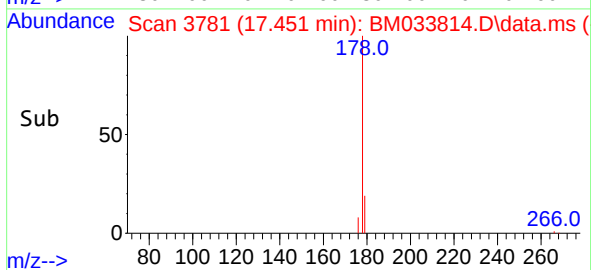
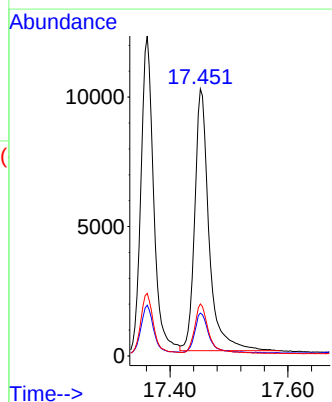
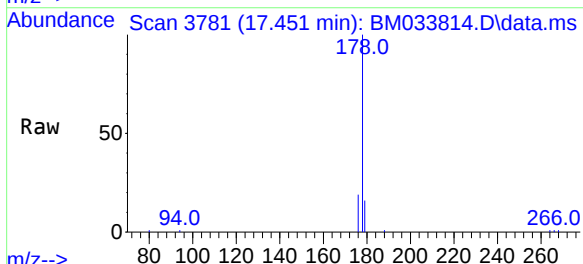
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

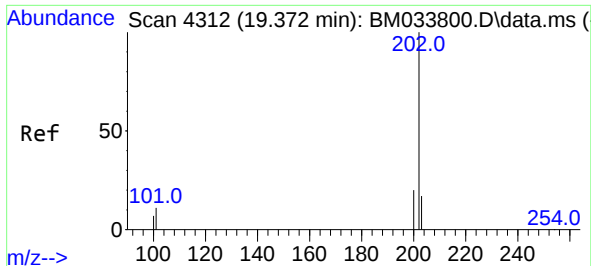
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Ion Ratio Lower Upper  
178 100  
179 15.9 15.0 22.6  
176 19.6 17.9 26.9



#16  
Anthracene  
Concen: 0.517 ng/ul  
RT: 17.451 min Scan# 3781  
Delta R.T. -0.003 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:178 Resp: 17027  
Ion Ratio Lower Upper  
178 100  
179 16.0 16.5 24.7#  
176 19.5 18.3 27.5

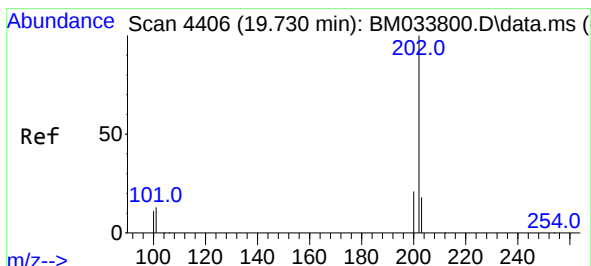
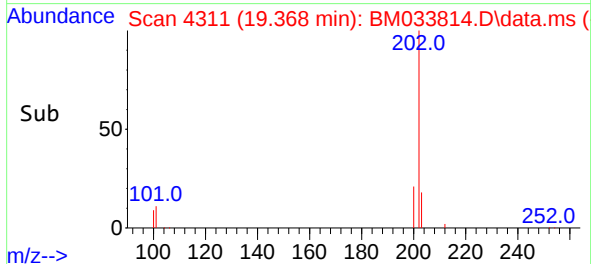
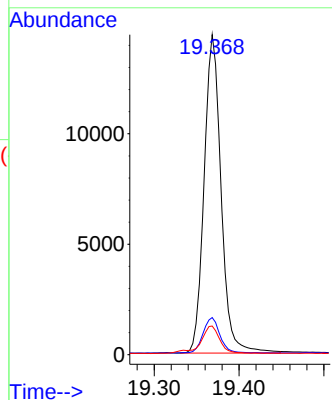
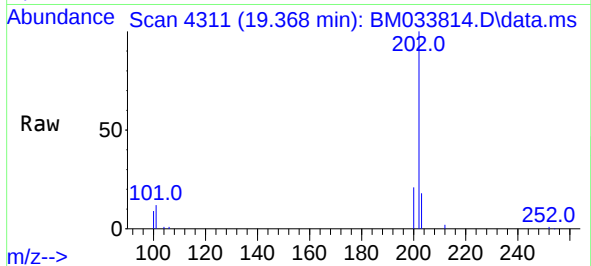




#19  
Fluoranthene  
Concen: 0.592 ng/u1  
RT: 19.368 min Scan# 4311  
Delta R.T. -0.003 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

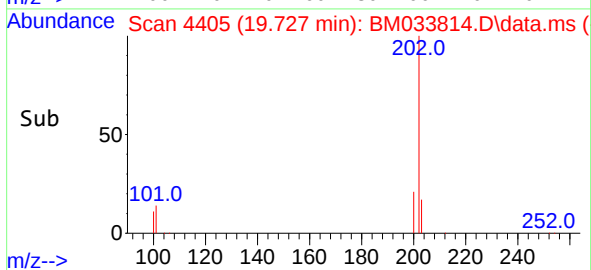
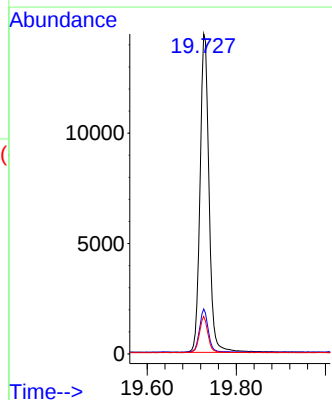
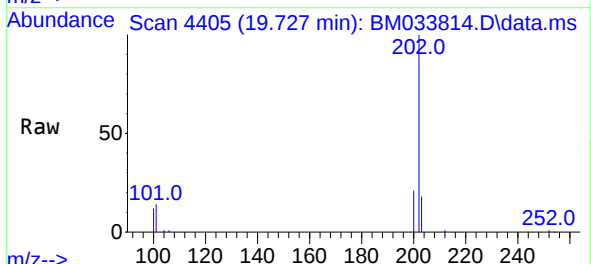
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

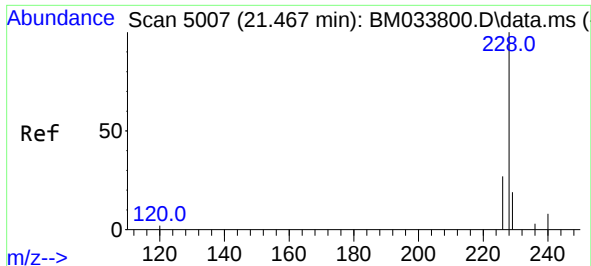
Tgt Ion:202 Resp: 20066  
Ion Ratio Lower Upper  
202 100  
101 11.6 9.2 13.8  
100 9.0 7.2 10.8



#20  
Pyrene  
Concen: 0.589 ng/u1  
RT: 19.727 min Scan# 4405  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:202 Resp: 20196  
Ion Ratio Lower Upper  
202 100  
101 14.0 9.3 13.9#  
100 11.7 7.8 11.6#

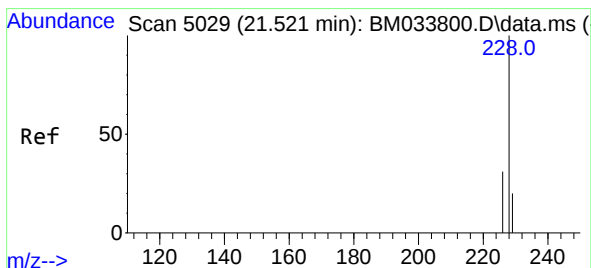
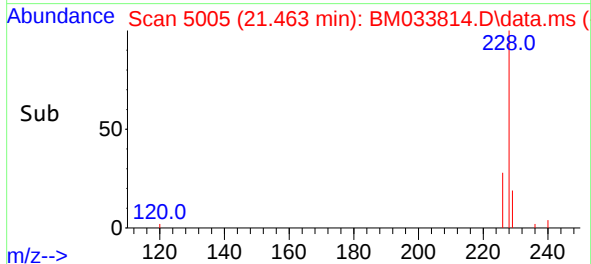
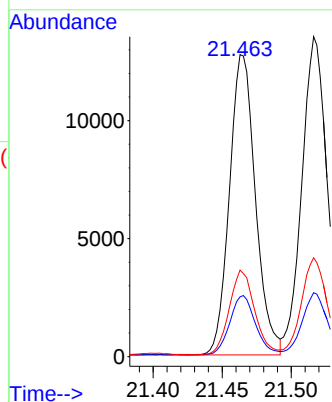
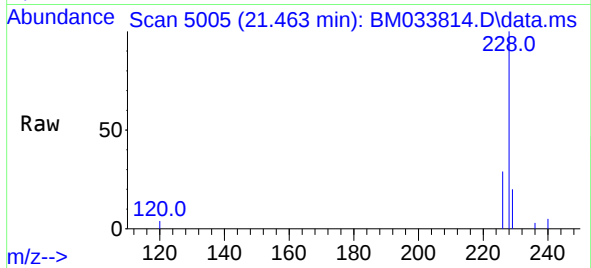




#21  
Benzo(a)anthracene  
Concen: 0.556 ng/ul  
RT: 21.463 min Scan# 5005  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

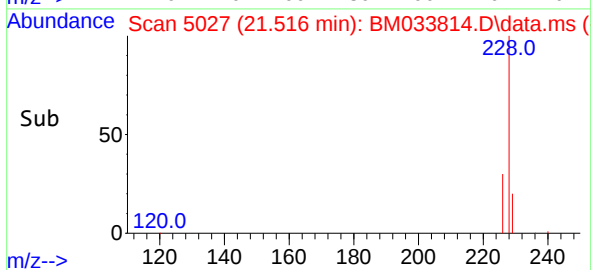
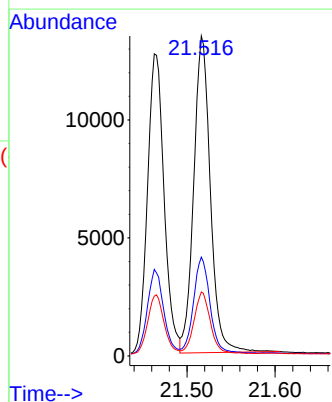
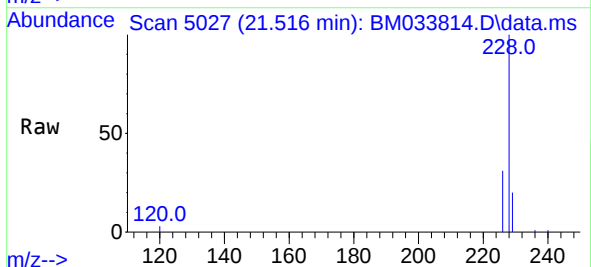
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

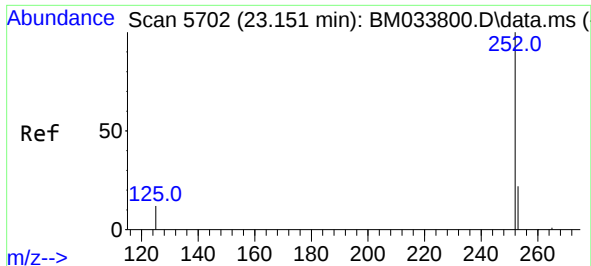
Tgt Ion:228 Resp: 16698  
Ion Ratio Lower Upper  
228 100  
229 19.8 17.3 25.9  
226 28.7 23.2 34.8



#22  
Chrysene  
Concen: 0.574 ng/ul  
RT: 21.516 min Scan# 5027  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:228 Resp: 17621  
Ion Ratio Lower Upper  
228 100  
226 30.9 25.8 38.8  
229 20.0 16.7 25.1

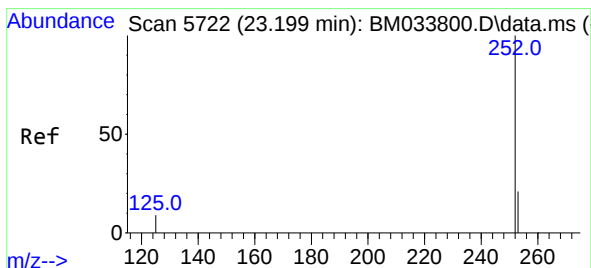
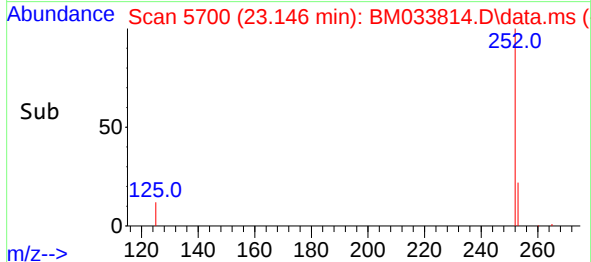
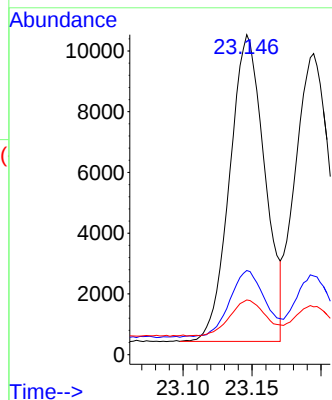
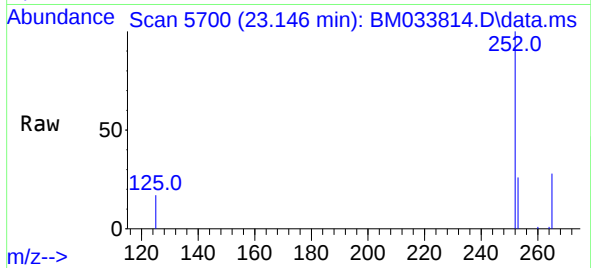




#24  
Benzo(b)fluoranthene  
Concen: 0.567 ng/ul  
RT: 23.146 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

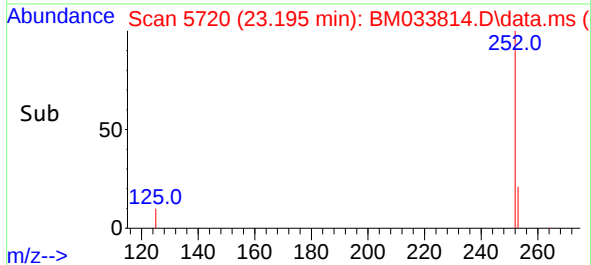
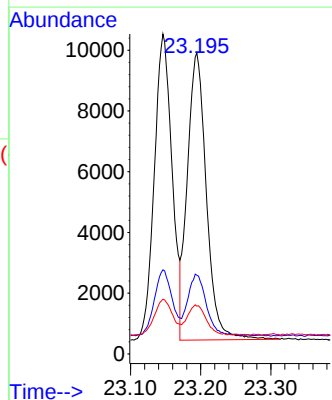
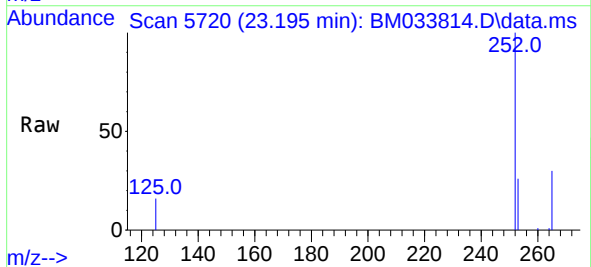
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

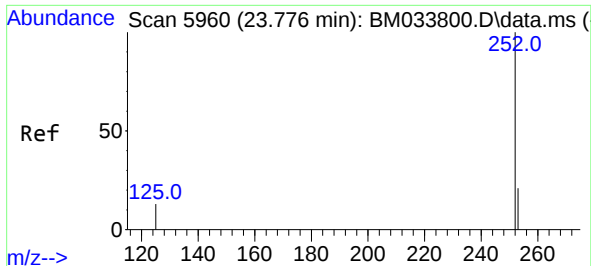
Tgt Ion:252 Resp: 17779  
Ion Ratio Lower Upper  
252 100  
253 26.3 0.0 64.2  
125 17.1 0.0 28.8



#25  
Benzo(k)fluoranthene  
Concen: 0.579 ng/ul  
RT: 23.195 min Scan# 5720  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:252 Resp: 17812  
Ion Ratio Lower Upper  
252 100  
253 26.1 26.8 40.2#  
125 15.9 12.0 18.0

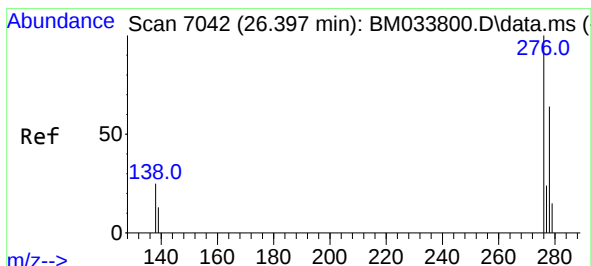
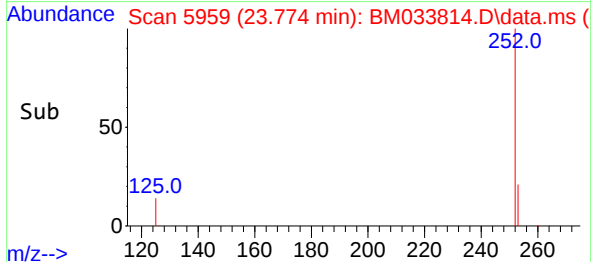
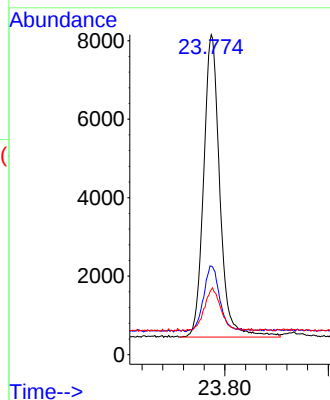
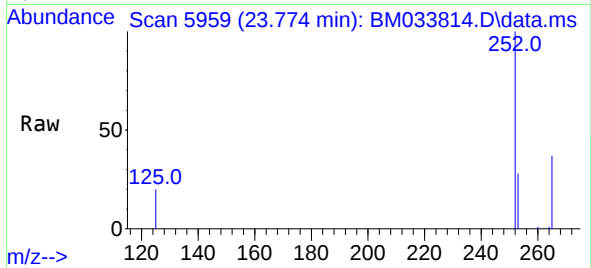




#26  
Benzo(a)pyrene  
Concen: 0.613 ng/ul  
RT: 23.774 min Scan# 5960  
Delta R.T. -0.007 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

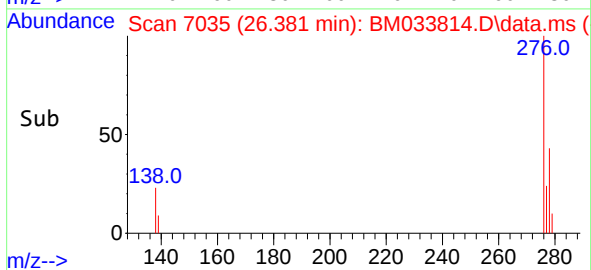
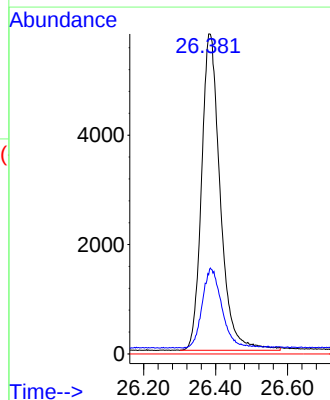
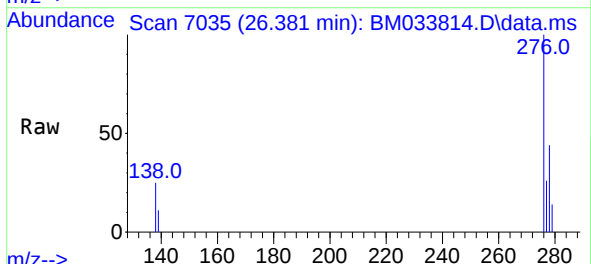
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

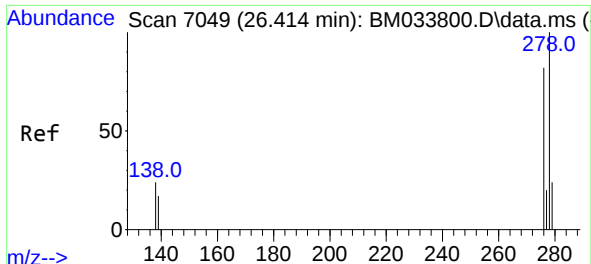
Tgt Ion:252 Resp: 16713  
Ion Ratio Lower Upper  
252 100  
253 27.7 32.0 48.0#  
125 20.3 14.5 21.7



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.587 ng/ul  
RT: 26.381 min Scan# 7035  
Delta R.T. -0.016 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:276 Resp: 20827  
Ion Ratio Lower Upper  
276 100  
138 26.6 15.8 23.6#  
227 0.0 0.0 0.0

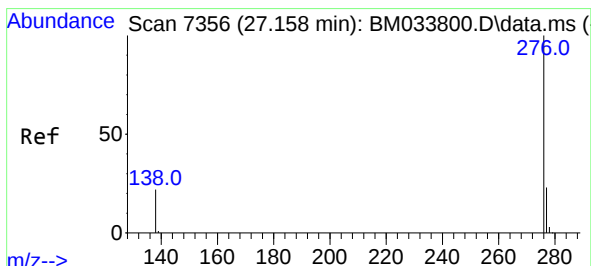
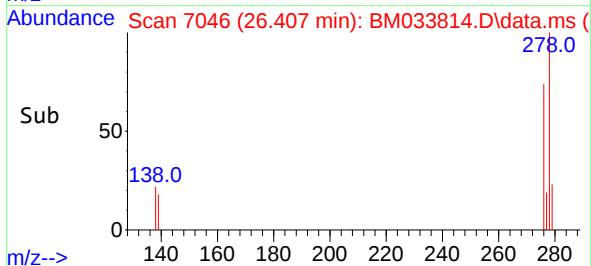
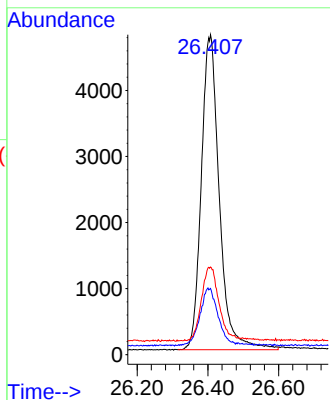
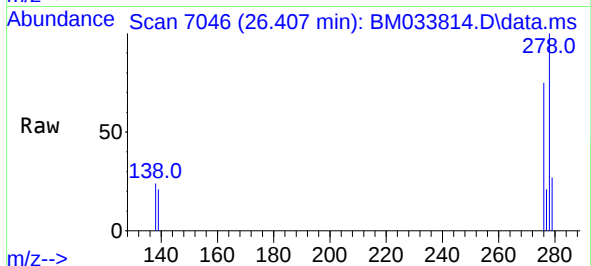




#28  
Dibenzo(a,h)anthracene  
Concen: 0.597 ng/ul  
RT: 26.407 min Scan# 7046  
Delta R.T. -0.012 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS158

Tgt Ion:278 Resp: 16835  
Ion Ratio Lower Upper  
278 100  
139 20.7 18.0 27.0  
279 27.4 28.6 42.8#



#29  
Benzo(g,h,i)perylene  
Concen: 0.593 ng/ul  
RT: 27.151 min Scan# 7353  
Delta R.T. -0.016 min  
Lab File: BM033814.D  
Acq: 21 Jan 2022 06:50

Tgt Ion:276 Resp: 18088  
Ion Ratio Lower Upper  
276 100  
138 23.5 17.4 26.0  
277 24.1 22.6 33.8

