

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102422\  
 Data File : BN022292.D  
 Acq On : 24 Oct 2022 10:27  
 Operator : CG/JU  
 Sample : PB148372BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS372

Quant Time: Oct 25 04:07:03 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 22 03:40:14 2022  
 Response via : Initial Calibration

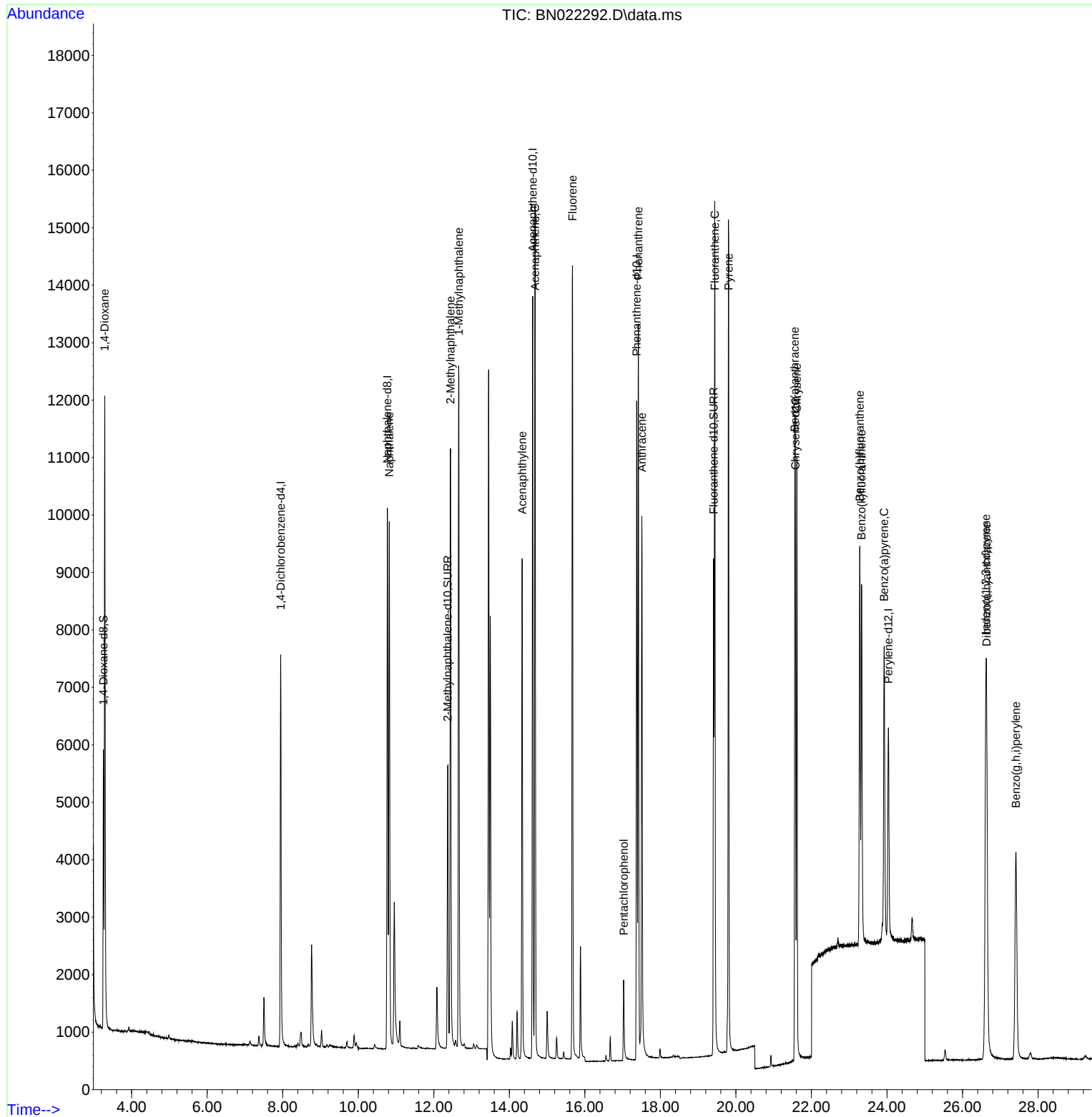
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.949  | 152  | 3950     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.772 | 136  | 13412    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.619 | 164  | 7275     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.374 | 188  | 13114    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.576 | 240  | 6956     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.037 | 264  | 5641     | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.253  | 96   | 3050     | 0.594 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.367 | 152  | 7021     | 0.346 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.412 | 212  | 9594     | 0.411 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.287  | 88   | 7573     | 1.437 | ng/ul# | 87       |
| 5) Naphthalene              | 10.822 | 128  | 12954    | 0.327 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.444 | 142  | 8168     | 0.327 | ng/ul  | 100      |
| 8) 1-Methylnaphthalene      | 12.664 | 142  | 8765     | 0.341 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.341 | 152  | 10566    | 0.324 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.683 | 153  | 8833     | 0.321 | ng/ul  | 100      |
| 12) Fluorene                | 15.673 | 166  | 9436     | 0.295 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.028 | 266  | 1130     | 0.362 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.417 | 178  | 13908    | 0.316 | ng/ul  | 99       |
| 16) Anthracene              | 17.509 | 178  | 11422    | 0.308 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.440 | 202  | 12531    | 0.393 | ng/ul  | 99       |
| 20) Pyrene                  | 19.807 | 202  | 12242    | 0.382 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.559 | 228  | 8550     | 0.328 | ng/ul  | 98       |
| 22) Chrysene                | 21.614 | 228  | 9359     | 0.339 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.280 | 252  | 9393     | 0.332 | ng/ul  | 91       |
| 25) Benzo(k)fluoranthene    | 23.327 | 252  | 8650     | 0.314 | ng/ul# | 93       |
| 26) Benzo(a)pyrene          | 23.926 | 252  | 7891     | 0.349 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.618 | 276  | 10351    | 0.369 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.638 | 278  | 8113     | 0.362 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 27.417 | 276  | 8507     | 0.372 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

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

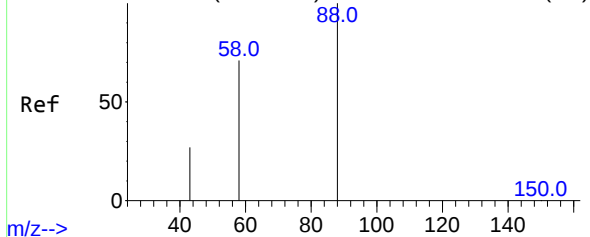
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102422\  
Data File : BN022292.D  
Acq On : 24 Oct 2022 10:27  
Operator : CG/JU  
Sample : PB148372BS  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
SLCS372

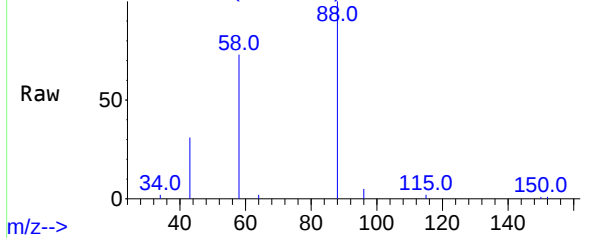
Quant Time: Oct 25 04:07:03 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN102022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Oct 22 03:40:14 2022  
Response via : Initial Calibration



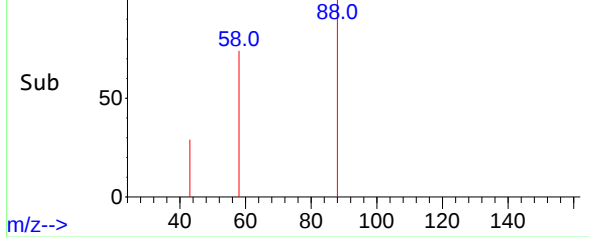
Abundance Scan 73 (3.291 min): BN022289.D\data.ms (-65)



Abundance Scan 72 (3.287 min): BN022292.D\data.ms



Abundance Scan 72 (3.287 min): BN022292.D\data.ms (-61)



#2

1,4-Dioxane

Concen: 1.437 ng/ul

RT: 3.287 min Scan# 71

Delta R.T. -0.004 min

Lab File: BN022292.D

Acq: 24 Oct 2022 10:27

Instrument :

BNA\_N

ClientSampleId :

SLCS372

Tgt Ion: 88 Resp: 7573

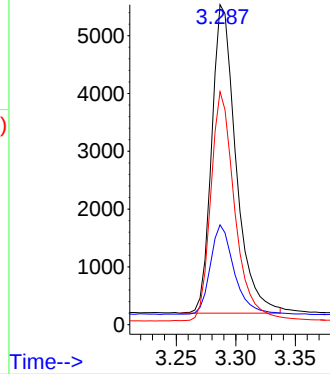
Ion Ratio Lower Upper

88 100

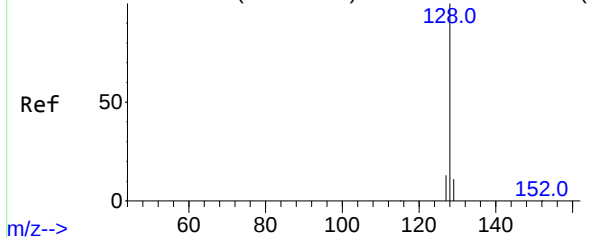
43 31.2 27.4 41.2

58 72.8 48.2 72.2#

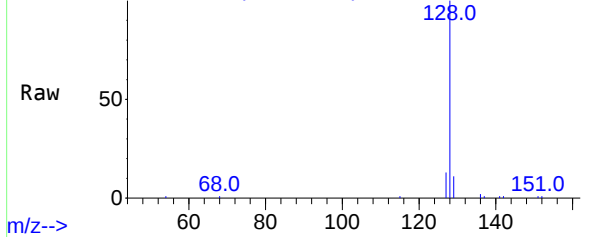
Abundance



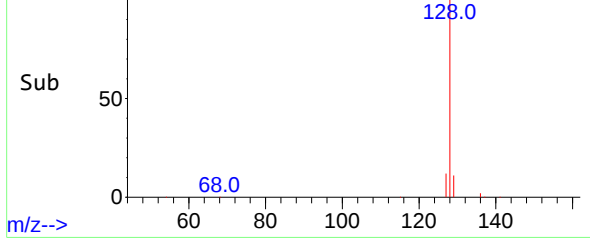
Abundance Scan 1815 (10.816 min): BN022289.D\data.ms (-



Abundance Scan 1816 (10.822 min): BN022292.D\data.ms



Abundance Scan 1816 (10.822 min): BN022292.D\data.ms (-



#5

Naphthalene

Concen: 0.327 ng/ul

RT: 10.822 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BN022292.D

Acq: 24 Oct 2022 10:27

Tgt Ion:128 Resp: 12954

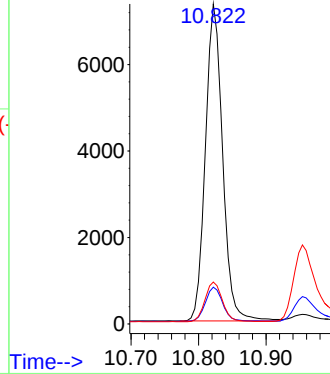
Ion Ratio Lower Upper

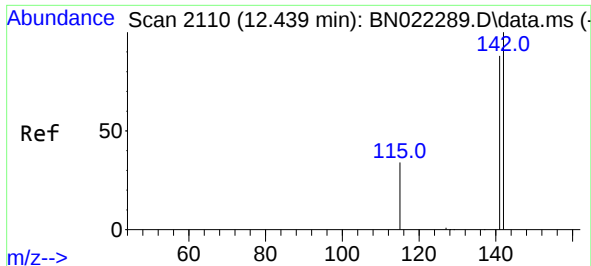
128 100

129 11.5 9.3 13.9

127 13.1 10.7 16.1

Abundance

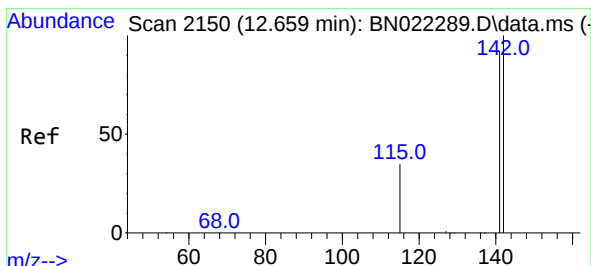
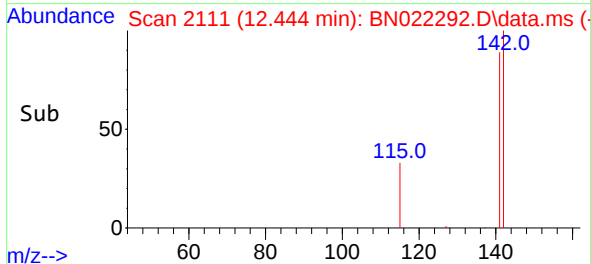
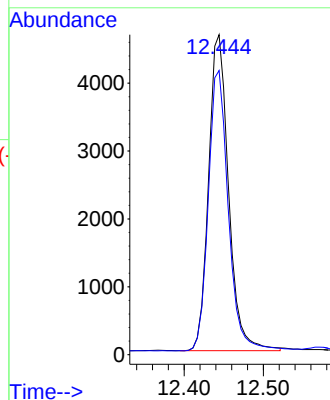
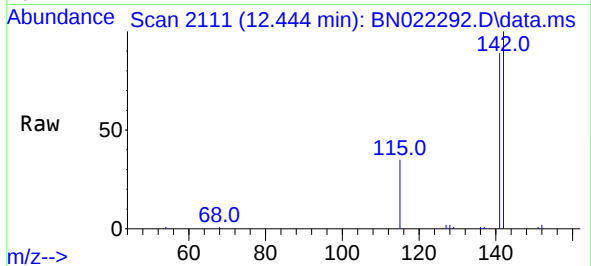




#7  
2-Methylnaphthalene  
Concen: 0.327 ng/ul  
RT: 12.444 min Scan# 2111  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

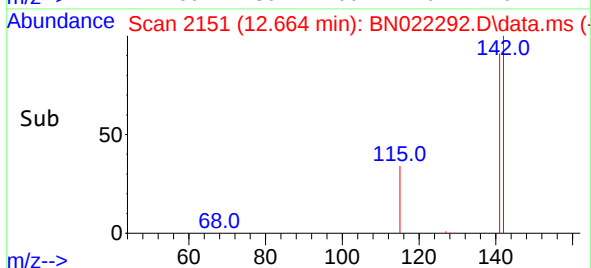
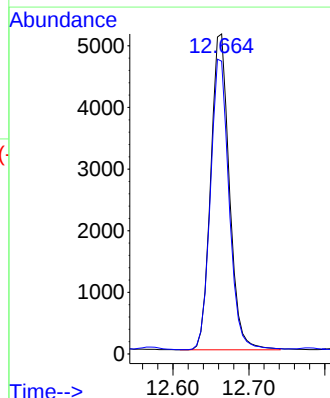
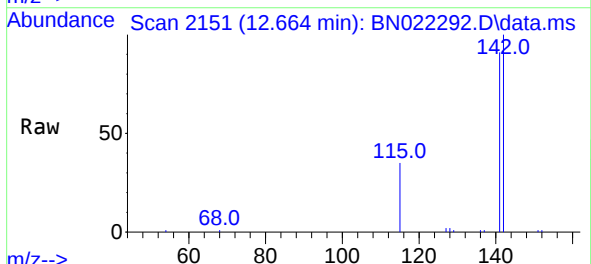
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

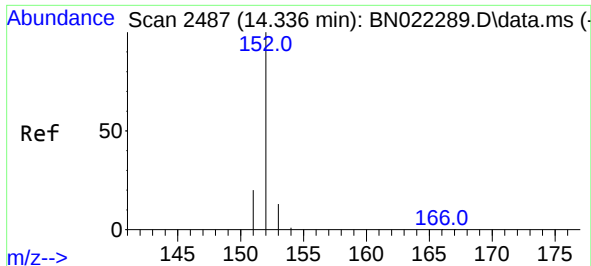
Tgt Ion:142 Resp: 8168  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.1 106.7



#8  
1-Methylnaphthalene  
Concen: 0.341 ng/ul  
RT: 12.664 min Scan# 2151  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Tgt Ion:142 Resp: 8765  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.3 109.9

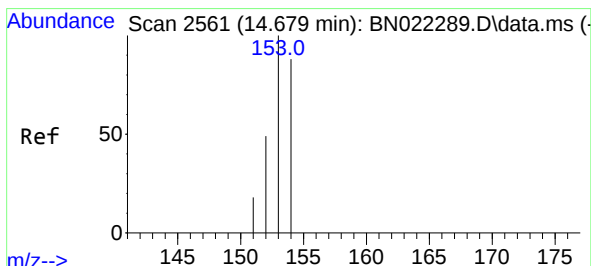
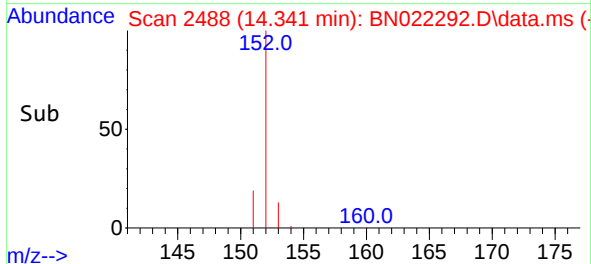
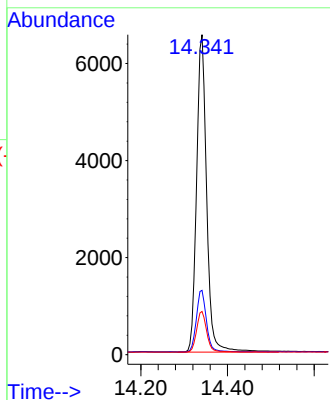
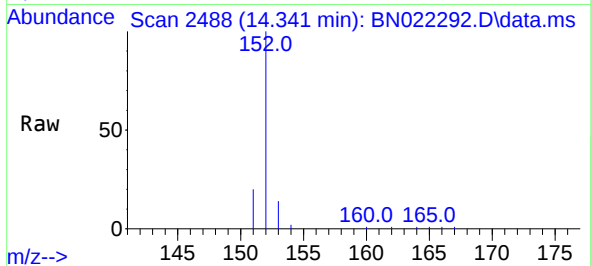




#10  
Acenaphthylene  
Concen: 0.324 ng/ul  
RT: 14.341 min Scan# 2488  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

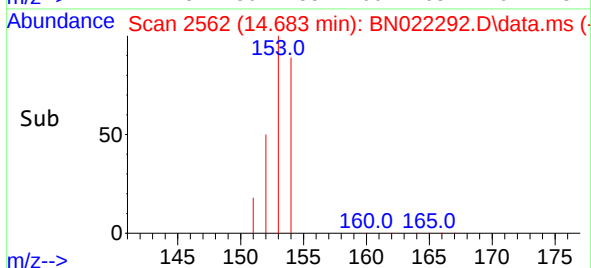
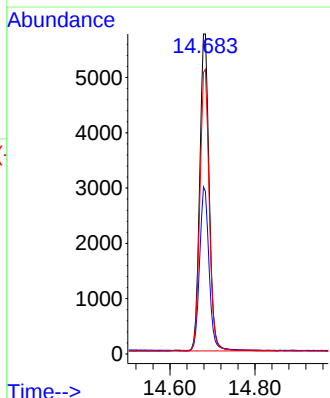
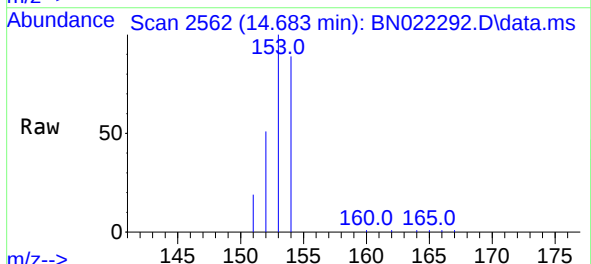
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ClientSampleId :  
SLCS372

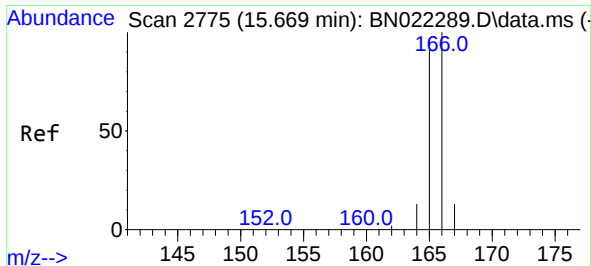
Tgt Ion:152 Resp: 10566  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 13.5 10.8 16.2



#11  
Acenaphthene  
Concen: 0.321 ng/ul  
RT: 14.683 min Scan# 2562  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Tgt Ion:153 Resp: 8833  
Ion Ratio Lower Upper  
153 100  
152 50.7 40.6 61.0  
154 88.9 70.6 106.0

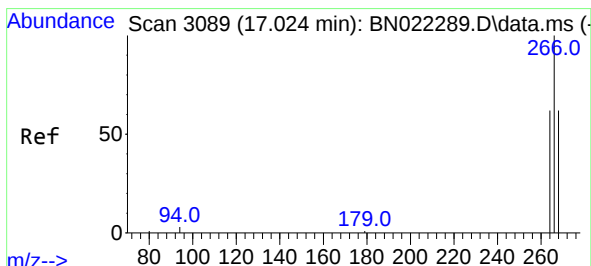
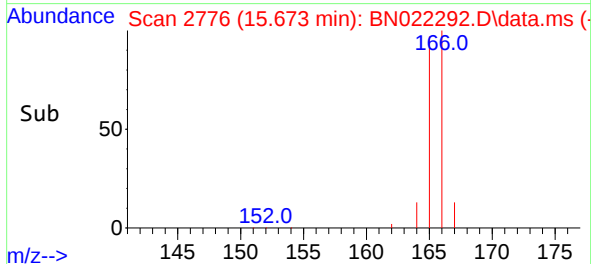
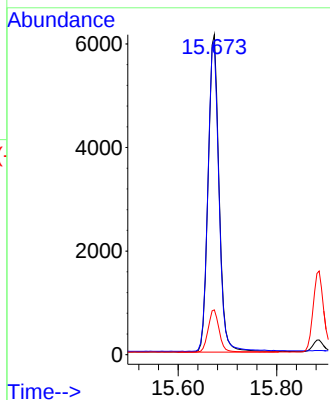
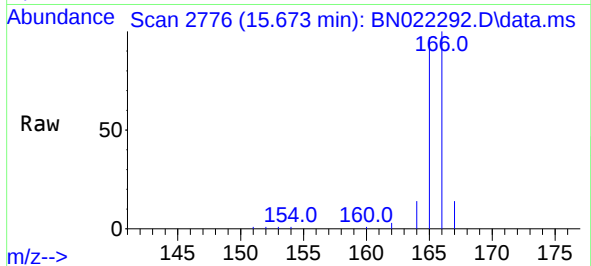




#12  
Fluorene  
Concen: 0.295 ng/ul  
RT: 15.673 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

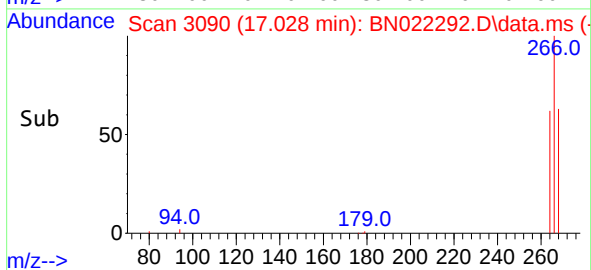
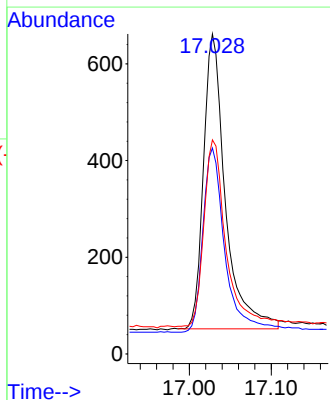
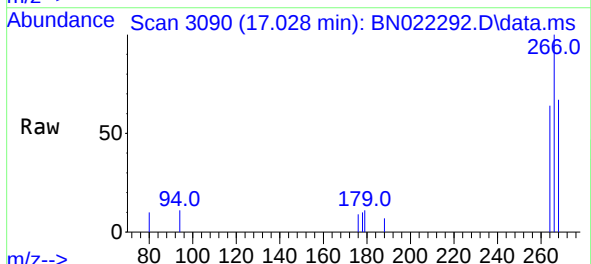
Instrument :  
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ClientSampleId :  
SLCS372

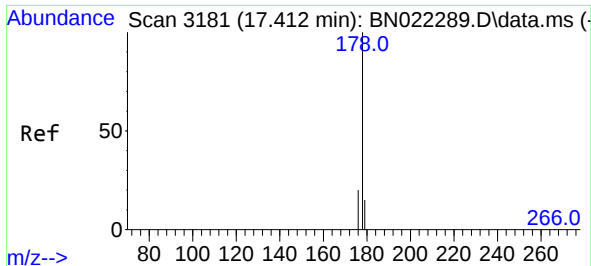
Tgt Ion:166 Resp: 9436  
Ion Ratio Lower Upper  
166 100  
165 96.9 78.2 117.2  
167 14.0 11.0 16.4



#14  
Pentachlorophenol  
Concen: 0.362 ng/ul  
RT: 17.028 min Scan# 3090  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Tgt Ion:266 Resp: 1130  
Ion Ratio Lower Upper  
266 100  
264 63.2 49.8 74.6  
268 64.6 51.4 77.2

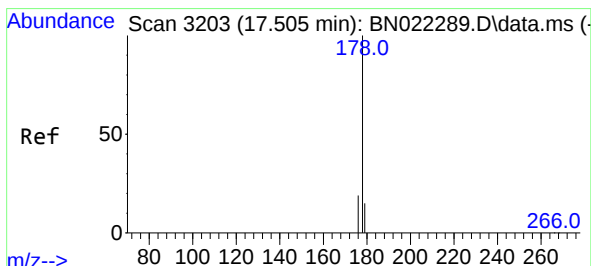
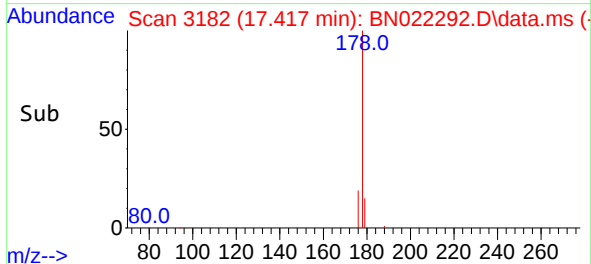
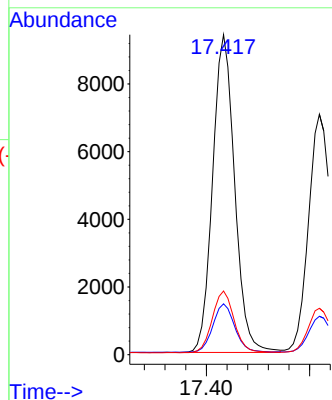
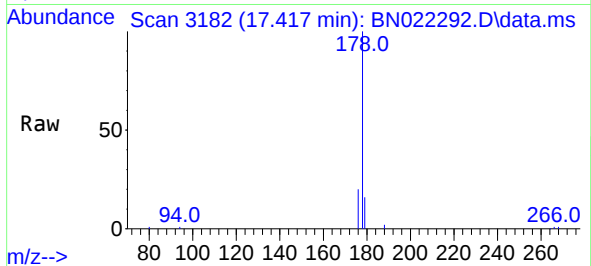




#15  
Phenanthrene  
Concen: 0.316 ng/ul  
RT: 17.417 min Scan# 3181  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

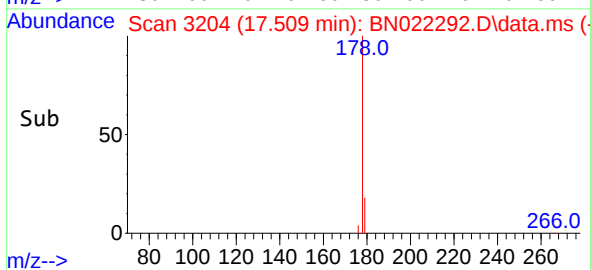
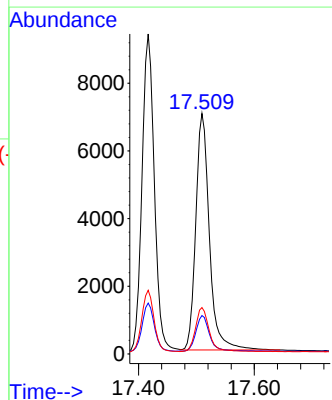
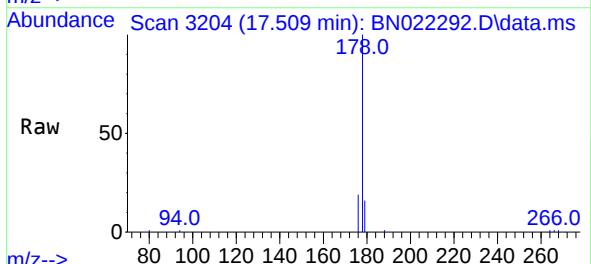
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

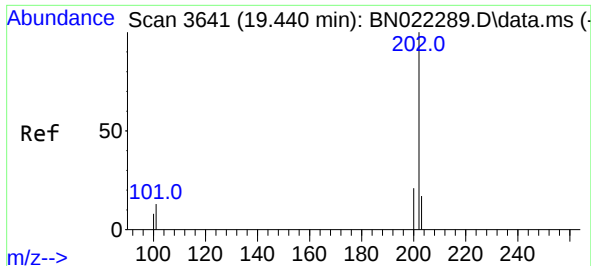
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|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 13908 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 15.9  | 12.7  | 19.1  |
| 176      | 19.9  | 15.4  | 23.2  |



#16  
Anthracene  
Concen: 0.308 ng/ul  
RT: 17.509 min Scan# 3204  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 178   | Resp: | 11422 |
| Ion      | Ratio | Lower | Upper |
| 178      | 100   |       |       |
| 179      | 16.0  | 12.6  | 18.8  |
| 176      | 19.3  | 15.0  | 22.6  |

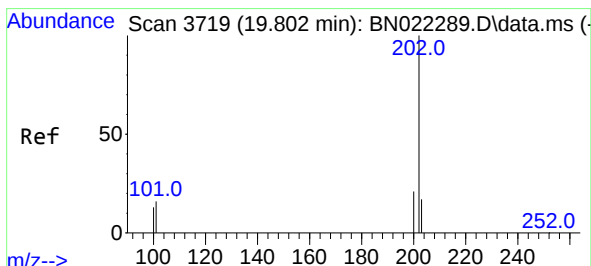
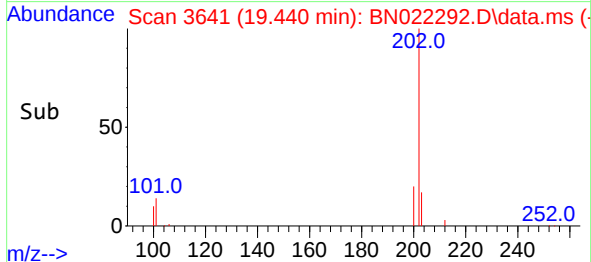
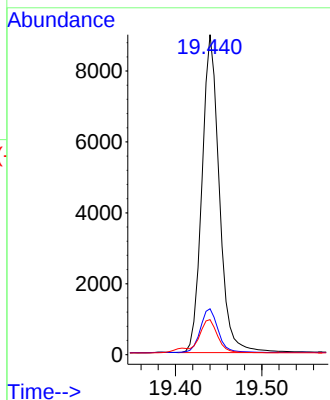
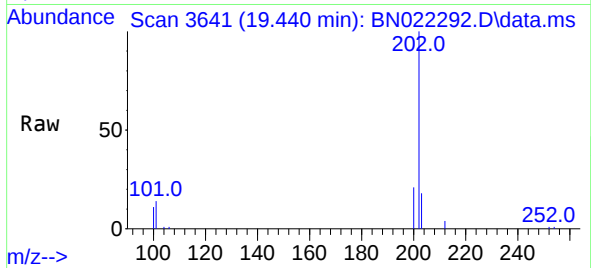




#19  
Fluoranthene  
Concen: 0.393 ng/u1  
RT: 19.440 min Scan# 3641  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

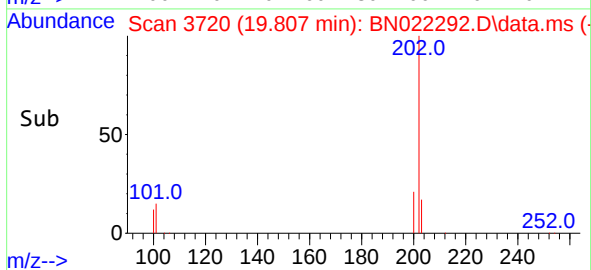
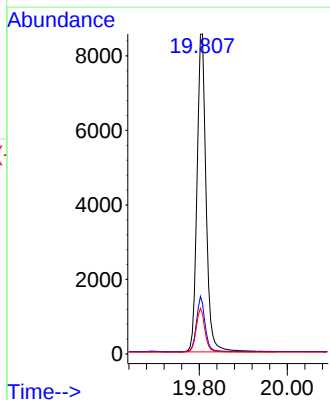
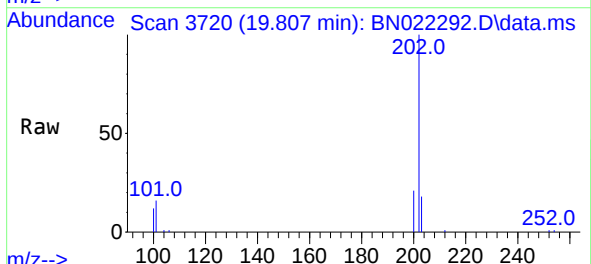
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

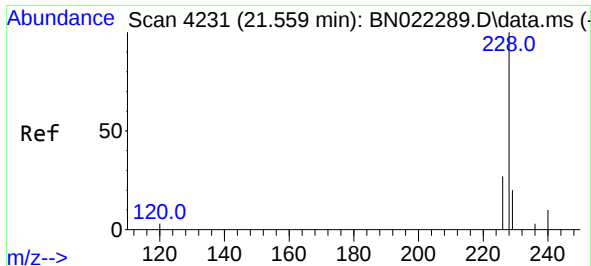
Tgt Ion:202 Resp: 12531  
Ion Ratio Lower Upper  
202 100  
101 14.4 11.8 17.6  
100 10.9 8.7 13.1



#20  
Pyrene  
Concen: 0.382 ng/u1  
RT: 19.807 min Scan# 3720  
Delta R.T. 0.005 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Tgt Ion:202 Resp: 12242  
Ion Ratio Lower Upper  
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100 12.4 10.6 16.0

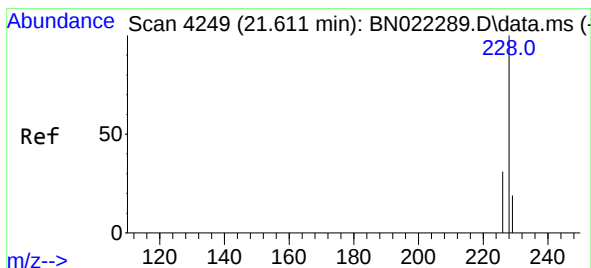
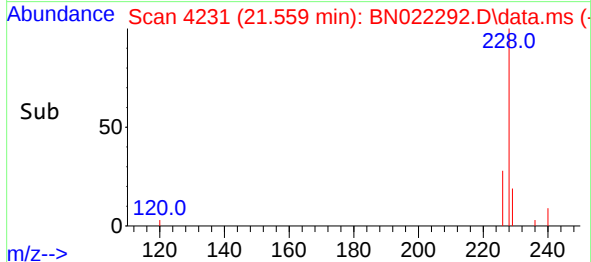
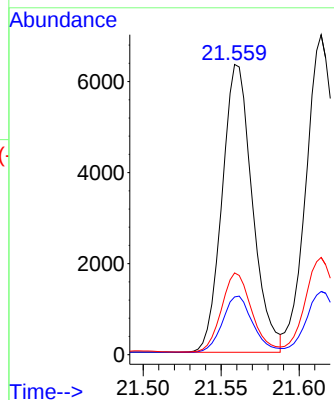
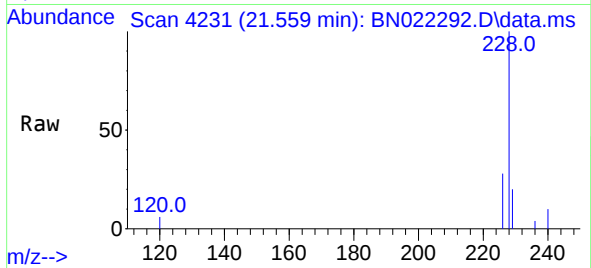




#21  
Benzo(a)anthracene  
Concen: 0.328 ng/ul  
RT: 21.559 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

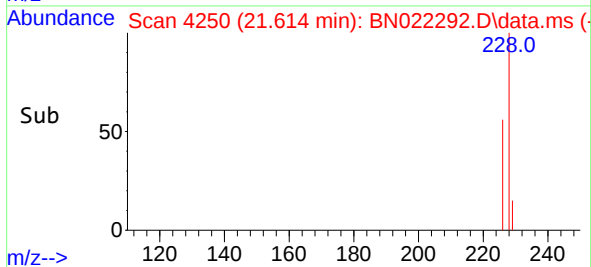
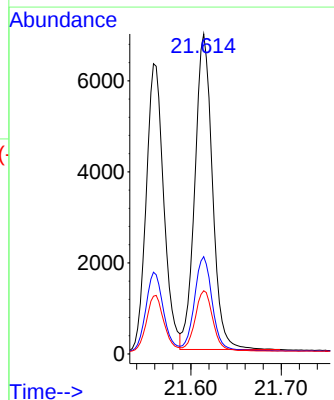
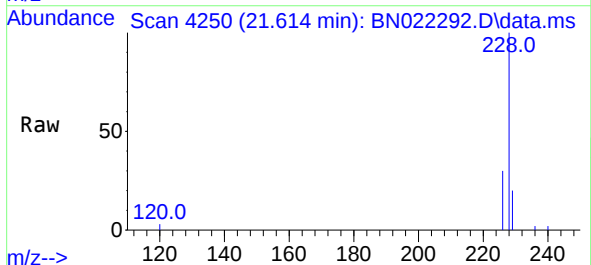
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

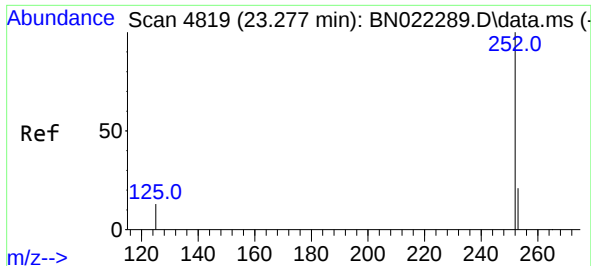
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:228 | Resp: | 8550        |
| Ion         | Ratio | Lower Upper |
| 228         | 100   |             |
| 229         | 19.9  | 15.7 23.5   |
| 226         | 28.2  | 21.5 32.3   |



#22  
Chrysene  
Concen: 0.339 ng/ul  
RT: 21.614 min Scan# 4250  
Delta R.T. 0.003 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

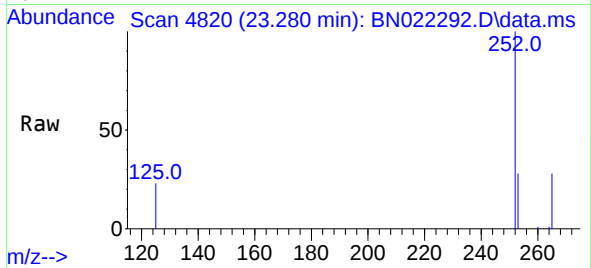
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:228 | Resp: | 9359        |
| Ion         | Ratio | Lower Upper |
| 228         | 100   |             |
| 226         | 30.4  | 23.9 35.9   |
| 229         | 19.8  | 15.9 23.9   |



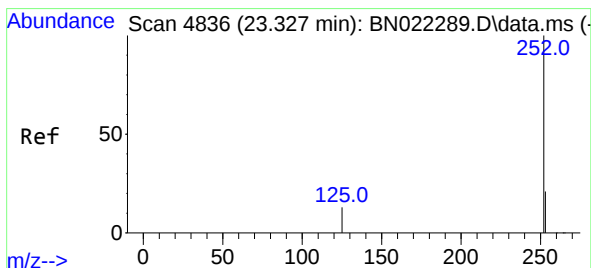
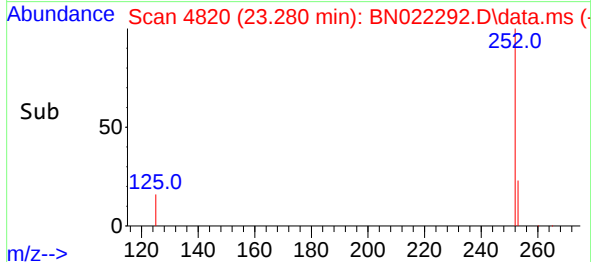
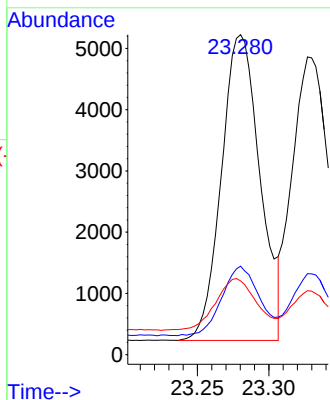


#24  
Benzo(b)fluoranthene  
Concen: 0.332 ng/ul  
RT: 23.280 min Scan# 4820  
Delta R.T. 0.003 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

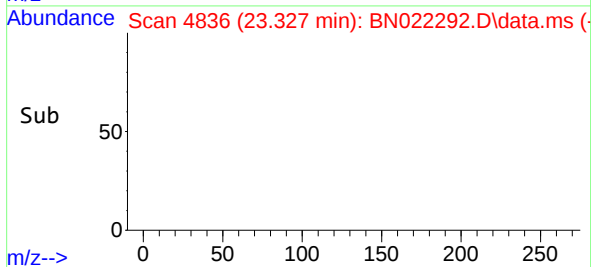
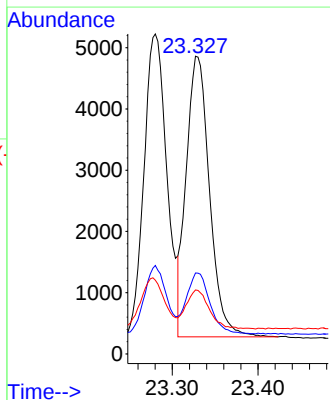
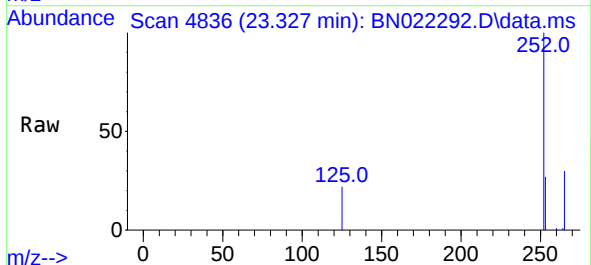


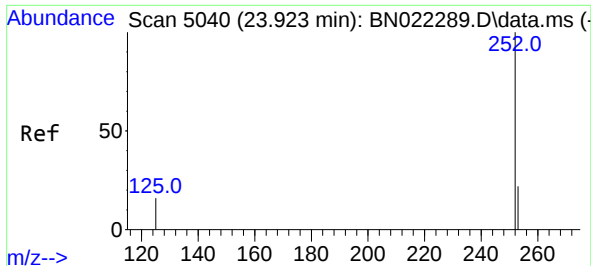
Tgt Ion:252 Resp: 9393  
Ion Ratio Lower Upper  
252 100  
253 27.7 0.0 49.0  
125 23.1 0.0 35.2



#25  
Benzo(k)fluoranthene  
Concen: 0.314 ng/ul  
RT: 23.327 min Scan# 4836  
Delta R.T. 0.000 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Tgt Ion:252 Resp: 8650  
Ion Ratio Lower Upper  
252 100  
253 27.2 19.7 29.5  
125 21.5 14.0 21.0#

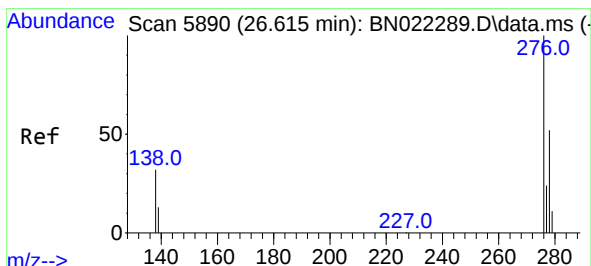
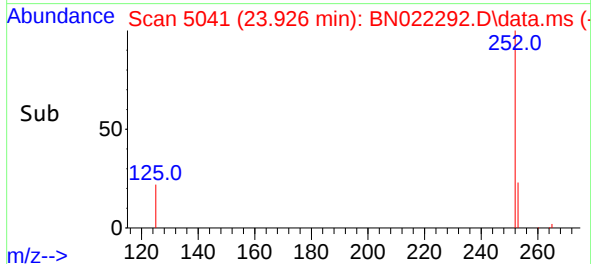
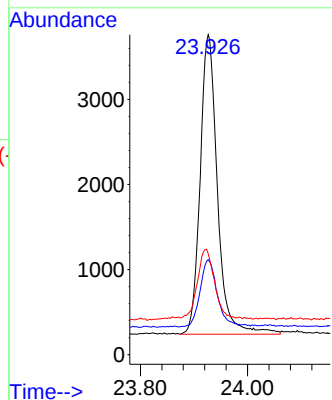
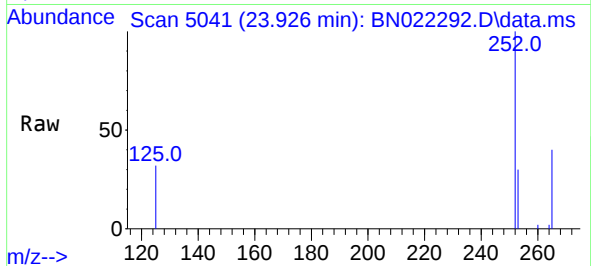




#26  
Benzo(a)pyrene  
Concen: 0.349 ng/ul  
RT: 23.926 min Scan# 5041  
Delta R.T. 0.006 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

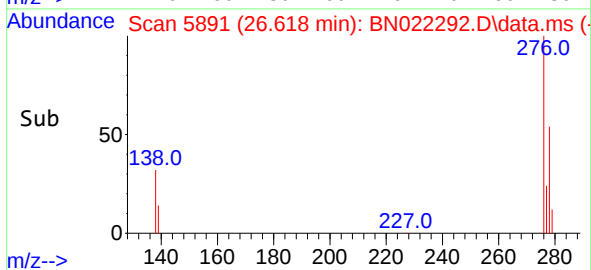
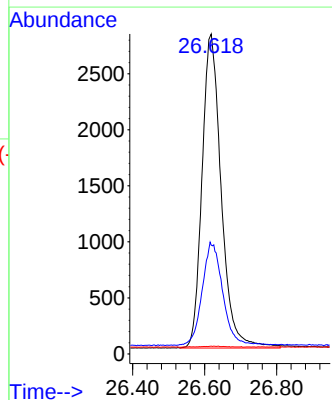
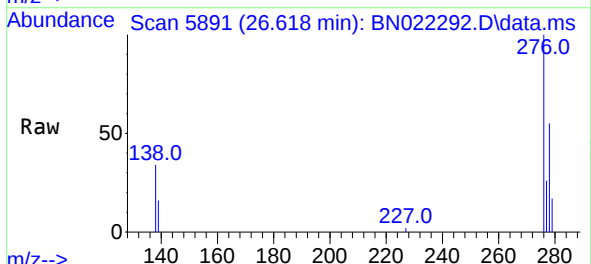
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS372

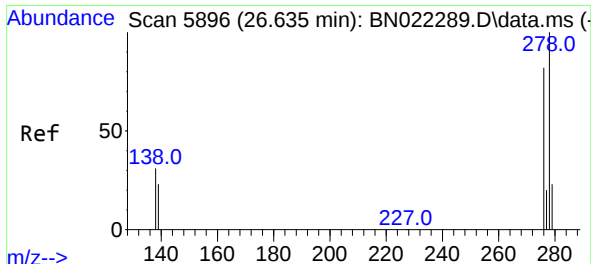
Tgt Ion:252 Resp: 7891  
Ion Ratio Lower Upper  
252 100  
253 29.7 21.0 31.6  
125 31.5 17.9 26.9#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.369 ng/ul  
RT: 26.618 min Scan# 5891  
Delta R.T. 0.003 min  
Lab File: BN022292.D  
Acq: 24 Oct 2022 10:27

Tgt Ion:276 Resp: 10351  
Ion Ratio Lower Upper  
276 100  
138 35.0 27.7 41.5  
227 0.1 0.2 0.2#

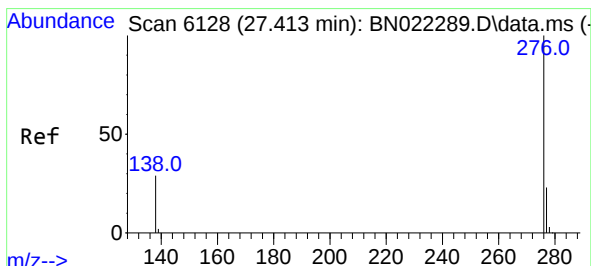
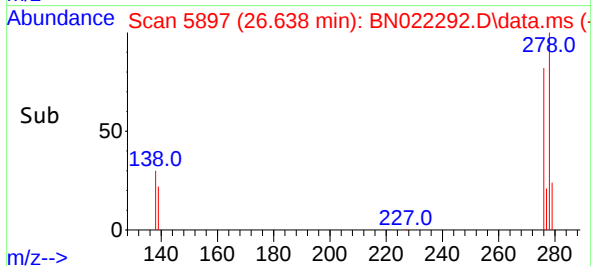
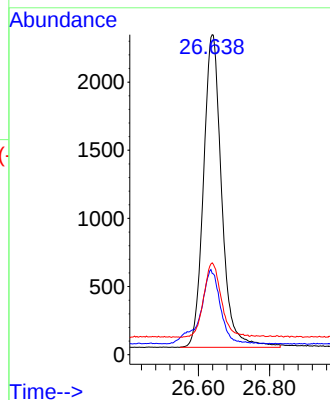
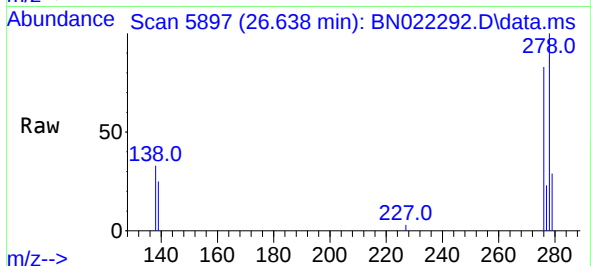




#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.362 ng/ul  
 RT: 26.638 min Scan# 5896  
 Delta R.T. 0.000 min  
 Lab File: BN022292.D  
 Acq: 24 Oct 2022 10:27

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS372

Tgt Ion:278 Resp: 8113  
 Ion Ratio Lower Upper  
 278 100  
 139 25.4 19.6 29.4  
 279 28.7 20.6 30.8



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.372 ng/ul  
 RT: 27.417 min Scan# 6129  
 Delta R.T. 0.007 min  
 Lab File: BN022292.D  
 Acq: 24 Oct 2022 10:27

Tgt Ion:276 Resp: 8507  
 Ion Ratio Lower Upper  
 276 100  
 138 31.6 25.2 37.8  
 277 25.4 19.9 29.9

