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 Data File : BN019904.D  
 Acq On : 21 May 2022 12:47  
 Operator : CG/JU  
 Sample : PB144915BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS915

Quant Time: May 23 01:48:34 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 17 01:41:05 2022  
 Response via : Initial Calibration

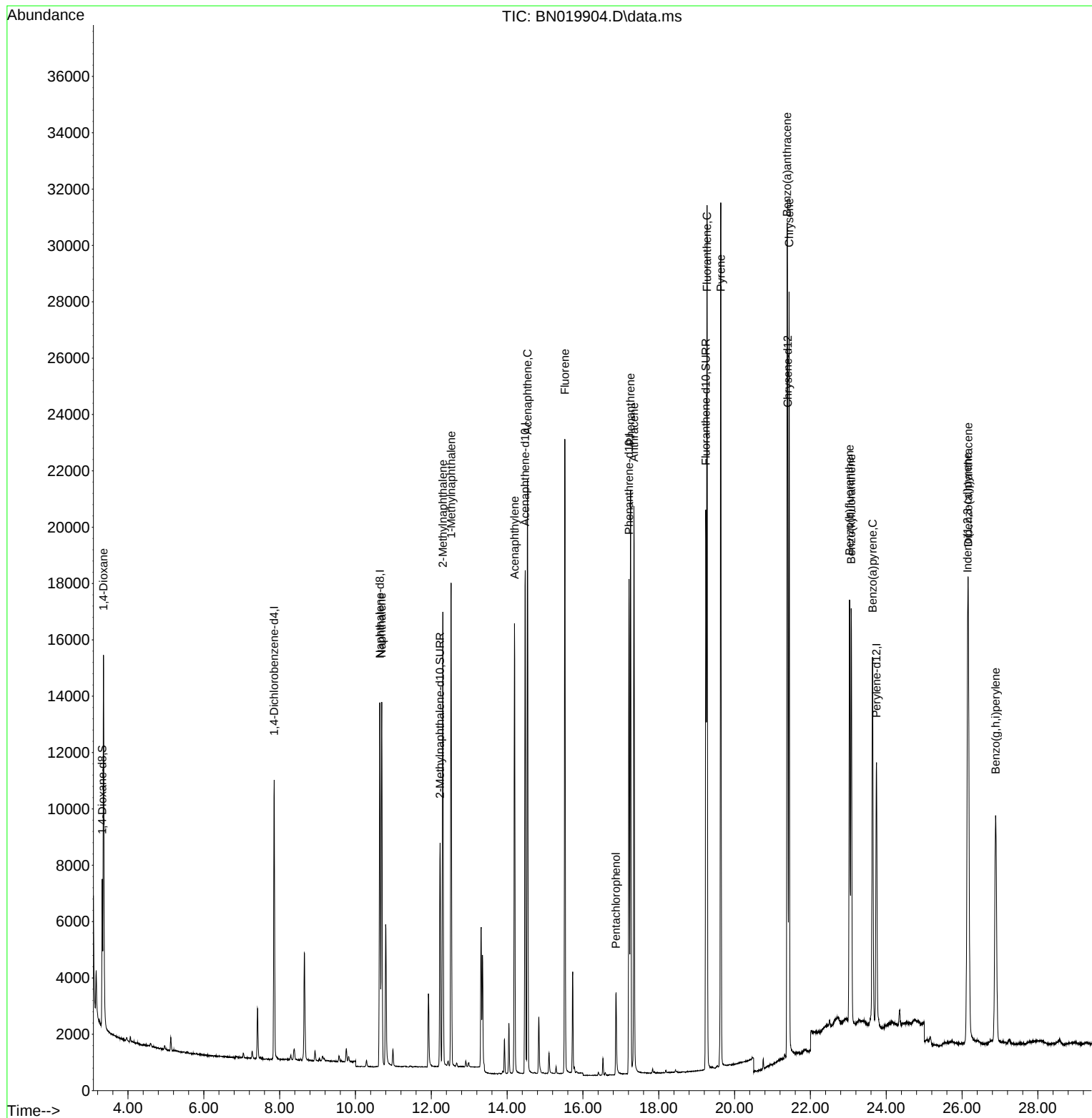
| Compound                    | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|--------|------|----------|-------|---------|----------|
| -----                       |        |      |          |       |         |          |
| Internal Standards          |        |      |          |       |         |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.854  | 152  | 5347     | 0.400 | ng/ul   | 0.00     |
| 4) Naphthalene-d8           | 10.643 | 136  | 17987    | 0.400 | ng/ul # | 0.00     |
| 9) Acenaphthene-d10         | 14.477 | 164  | 10445    | 0.400 | ng/ul   | 0.00     |
| 13) Phenanthrene-d10        | 17.215 | 188  | 20881    | 0.400 | ng/ul   | 0.00     |
| 17) Chrysene-d12            | 21.402 | 240  | 16158    | 0.400 | ng/ul   | 0.00     |
| 23) Perylene-d12            | 23.743 | 264  | 13243    | 0.400 | ng/ul # | 0.00     |
| System Monitoring Compounds |        |      |          |       |         |          |
| 3) 1,4-Dioxane-d8           | 3.319  | 96   | 3482     | 0.550 | ng/ul   | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.232 | 152  | 10582    | 0.389 | ng/ul   | 0.00     |
| 18) Fluoranthene-d10        | 19.241 | 212  | 22432    | 0.439 | ng/ul   | 0.00     |
| Target Compounds            |        |      |          |       |         |          |
|                             |        |      |          |       | Qvalue  |          |
| 2) 1,4-Dioxane              | 3.352  | 88   | 8551     | 1.273 | ng/ul#  | 75       |
| 5) Naphthalene              | 10.693 | 128  | 17883    | 0.307 | ng/ul   | 98       |
| 7) 2-Methylnaphthalene      | 12.304 | 142  | 11742    | 0.331 | ng/ul#  | 100      |
| 8) 1-Methylnaphthalene      | 12.524 | 142  | 12202    | 0.371 | ng/ul#  | 100      |
| 10) Acenaphthylene          | 14.195 | 152  | 18862    | 0.365 | ng/ul   | 99       |
| 11) Acenaphthene            | 14.537 | 153  | 12666    | 0.305 | ng/ul   | 99       |
| 12) Fluorene                | 15.523 | 166  | 14371    | 0.315 | ng/ul   | 99       |
| 14) Pentachlorophenol       | 16.873 | 266  | 2297     | 0.511 | ng/ul   | 89       |
| 15) Phenanthrene            | 17.258 | 178  | 22994    | 0.299 | ng/ul   | 99       |
| 16) Anthracene              | 17.346 | 178  | 22310    | 0.356 | ng/ul   | 99       |
| 19) Fluoranthene            | 19.274 | 202  | 27011    | 0.365 | ng/ul   | 98       |
| 20) Pyrene                  | 19.636 | 202  | 27290    | 0.370 | ng/ul   | 98       |
| 21) Benzo(a)anthracene      | 21.385 | 228  | 23047    | 0.382 | ng/ul   | 99       |
| 22) Chrysene                | 21.437 | 228  | 22737    | 0.319 | ng/ul   | 98       |
| 24) Benzo(b)fluoranthene    | 23.030 | 252  | 20558    | 0.306 | ng/ul   | 97       |
| 25) Benzo(k)fluoranthene    | 23.077 | 252  | 19586    | 0.303 | ng/ul#  | 96       |
| 26) Benzo(a)pyrene          | 23.638 | 252  | 19699    | 0.344 | ng/ul#  | 83       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.147 | 276  | 21500    | 0.301 | ng/ul#  | 98       |
| 28) Dibenzo(a,h)anthracene  | 26.164 | 278  | 17595    | 0.295 | ng/ul#  | 81       |
| 29) Benzo(g,h,i)perylene    | 26.888 | 276  | 18133    | 0.278 | ng/ul   | 96       |
| -----                       |        |      |          |       |         |          |

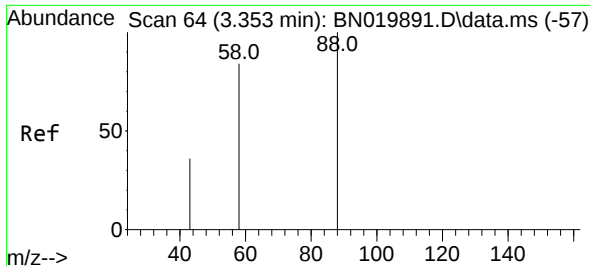
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
Data File : BN019904.D  
Acq On : 21 May 2022 12:47  
Operator : CG/JU  
Sample : PB144915BS  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915

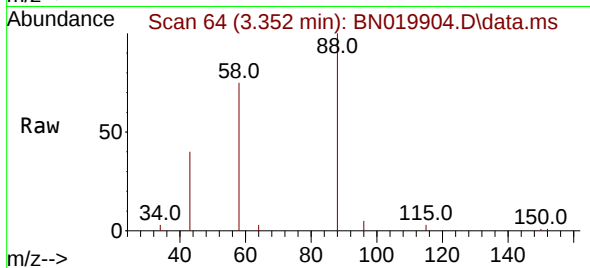
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 17 01:41:05 2022  
Response via : Initial Calibration



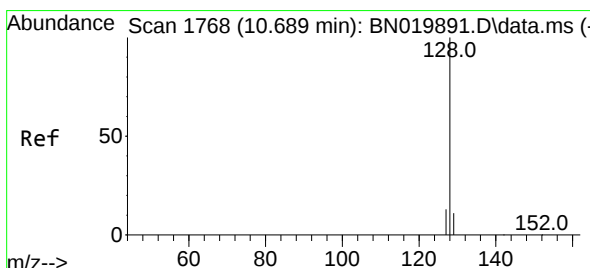
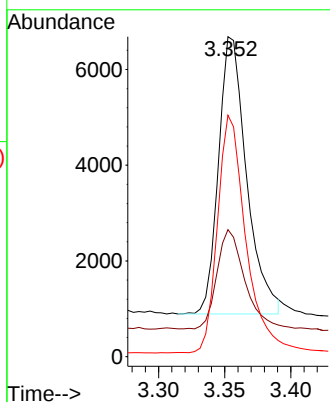
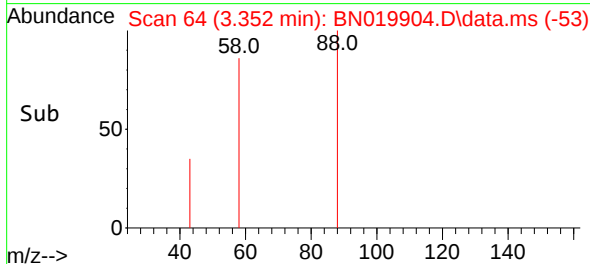


#2  
1,4-Dioxane  
Concen: 1.273 ng/ul  
RT: 3.352 min Scan# 64  
Delta R.T. -0.005 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

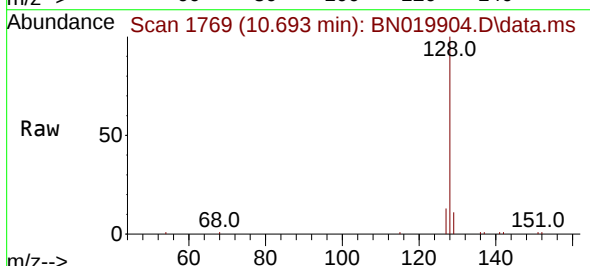
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915



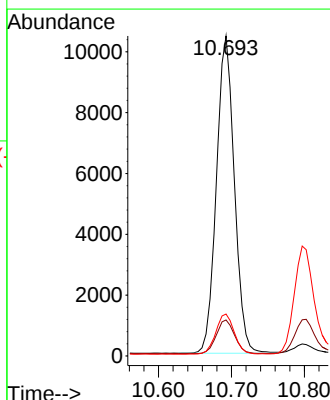
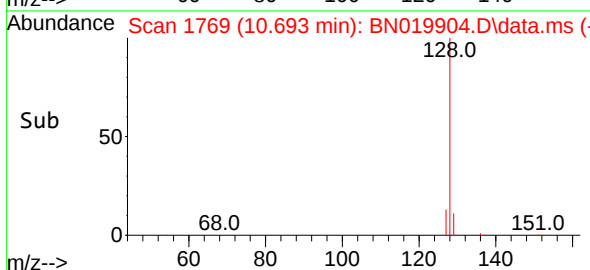
Tgt Ion: 88 Resp: 8551  
Ion Ratio Lower Upper  
88 100  
43 39.7 39.0 58.4  
58 75.5 39.8 59.8#

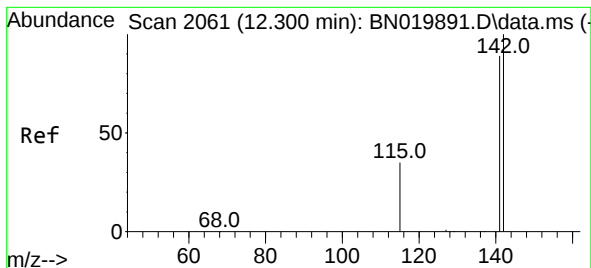


#5  
Naphthalene  
Concen: 0.307 ng/ul  
RT: 10.693 min Scan# 1769  
Delta R.T. -0.002 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47



Tgt Ion: 128 Resp: 17883  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.5 14.3  
127 13.1 11.0 16.4

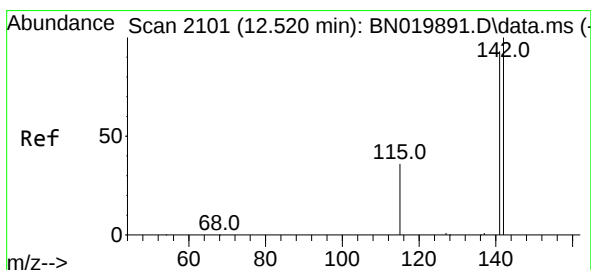
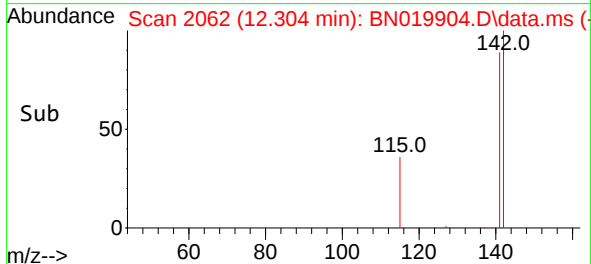
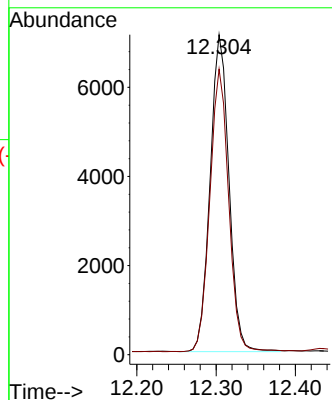
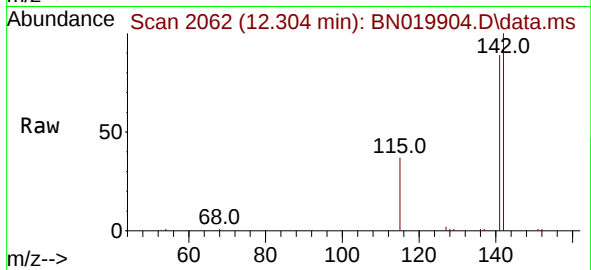




#7  
2-Methylnaphthalene  
Concen: 0.331 ng/ul  
RT: 12.304 min Scan# 2062  
Delta R.T. -0.002 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

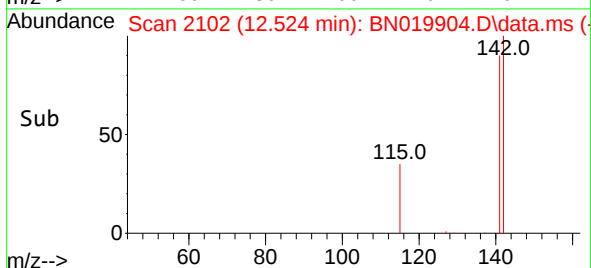
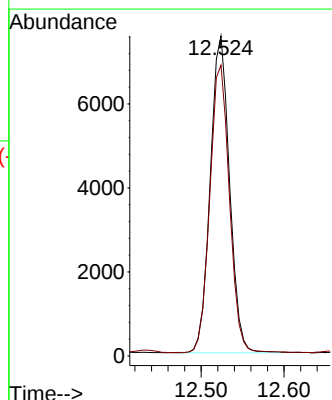
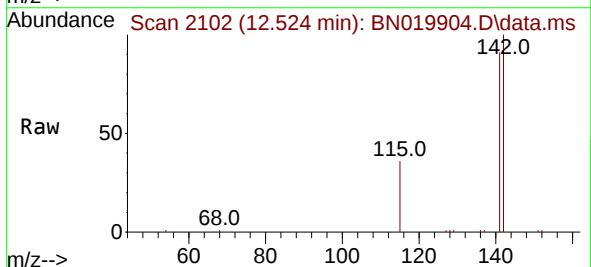
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915

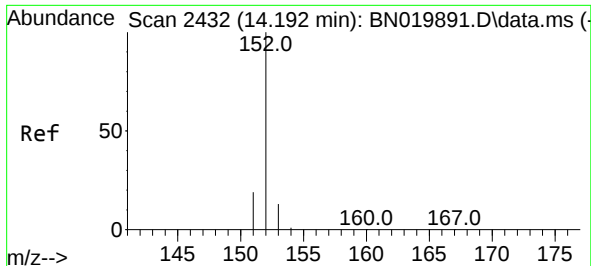
Tgt Ion:142 Resp: 11742  
Ion Ratio Lower Upper  
142 100  
141 88.9 0.0 0.0#



#8  
1-Methylnaphthalene  
Concen: 0.371 ng/ul  
RT: 12.524 min Scan# 2102  
Delta R.T. -0.002 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Tgt Ion:142 Resp: 12202  
Ion Ratio Lower Upper  
142 100  
141 91.8 0.0 0.0#

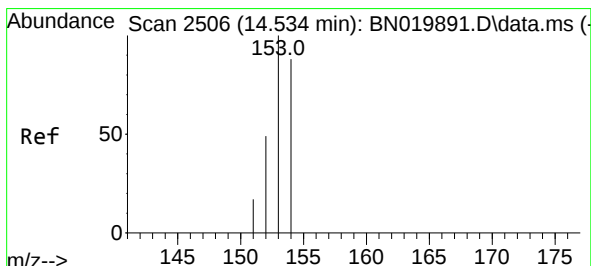
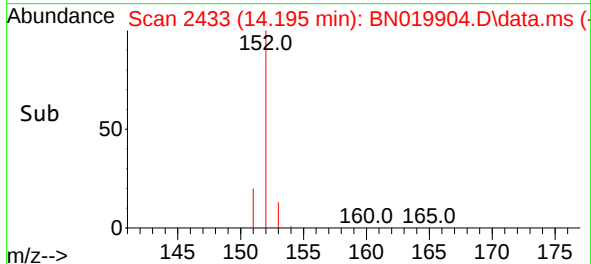
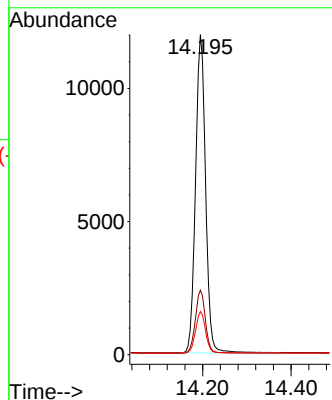
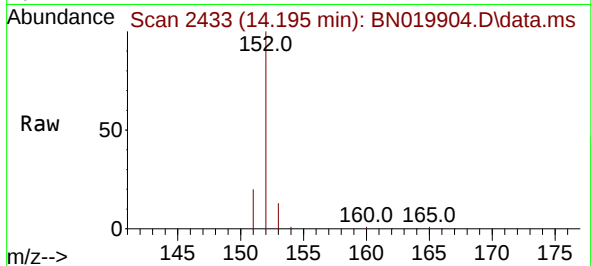




#10  
Acenaphthylene  
Concen: 0.365 ng/ul  
RT: 14.195 min Scan# 2432  
Delta R.T. -0.002 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

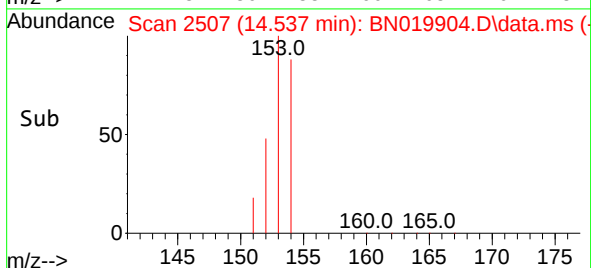
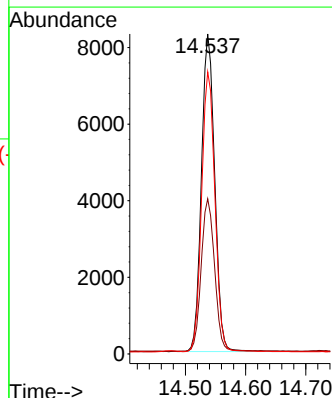
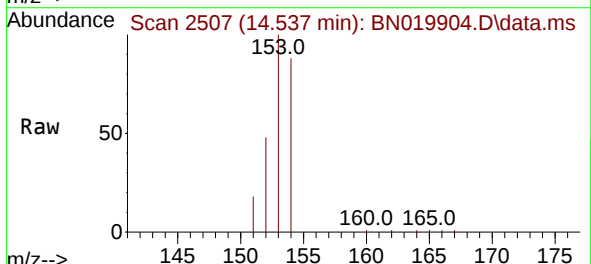
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915

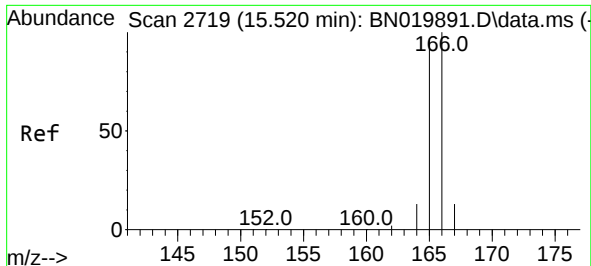
Tgt Ion:152 Resp: 18862  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.3 24.5  
153 13.4 11.1 16.7



#11  
Acenaphthene  
Concen: 0.305 ng/ul  
RT: 14.537 min Scan# 2507  
Delta R.T. -0.002 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Tgt Ion:153 Resp: 12666  
Ion Ratio Lower Upper  
153 100  
152 48.5 38.6 57.8  
154 88.1 71.2 106.8

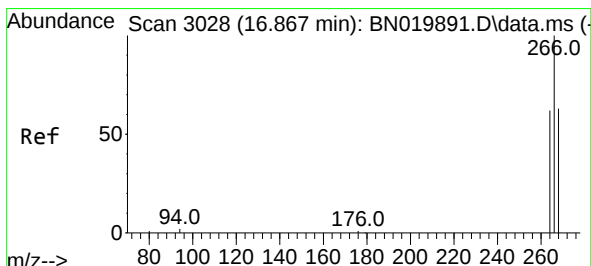
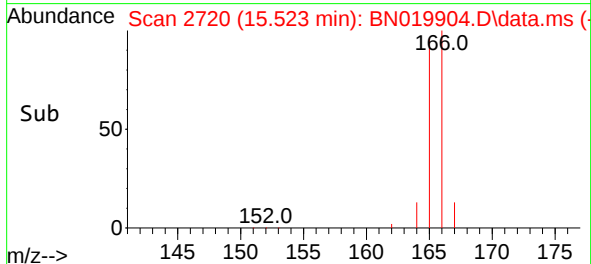
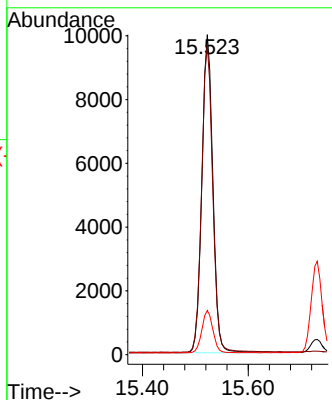
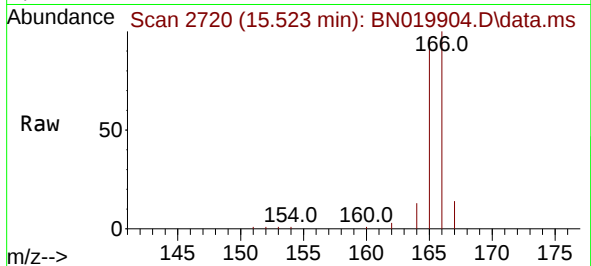




#12  
 Fluorene  
 Concen: 0.315 ng/ul  
 RT: 15.523 min Scan# 21  
 Delta R.T. -0.002 min  
 Lab File: BN019904.D  
 Acq: 21 May 2022 12:47

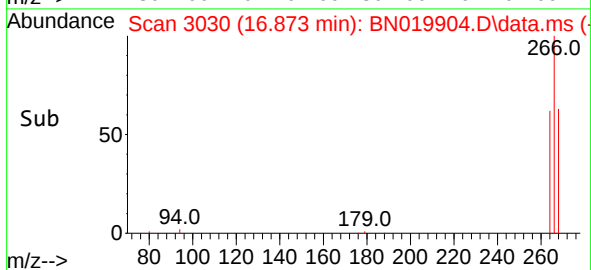
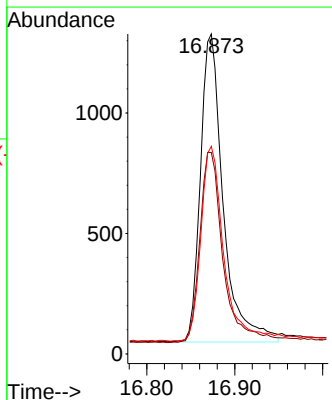
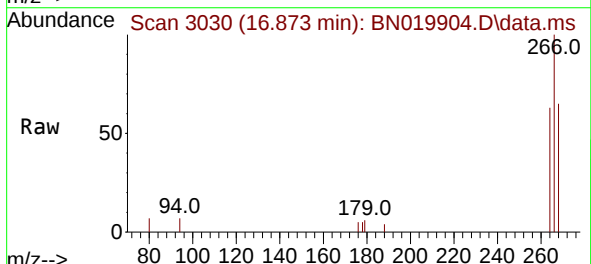
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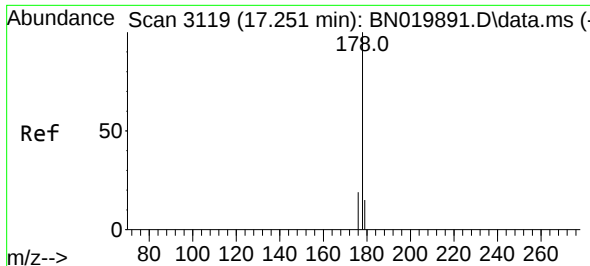
Tgt Ion:166 Resp: 14371  
 Ion Ratio Lower Upper  
 166 100  
 165 96.6 78.2 117.2  
 167 13.8 11.3 16.9



#14  
 Pentachlorophenol  
 Concen: 0.511 ng/ul  
 RT: 16.873 min Scan# 3030  
 Delta R.T. 0.007 min  
 Lab File: BN019904.D  
 Acq: 21 May 2022 12:47

Tgt Ion:266 Resp: 2297  
 Ion Ratio Lower Upper  
 266 100  
 264 63.6 44.9 67.3  
 268 64.3 44.6 67.0

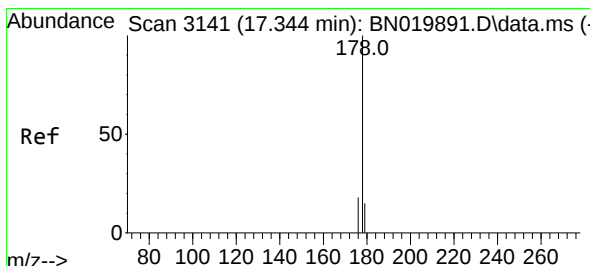
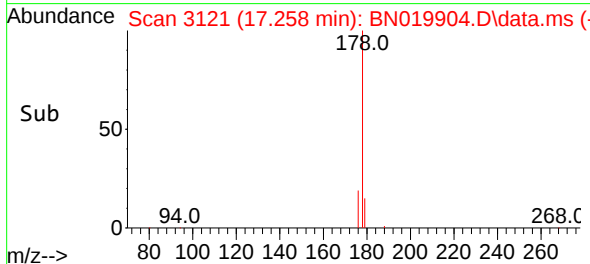
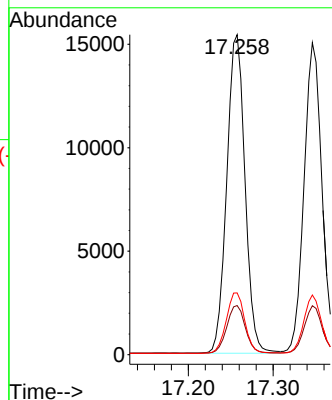
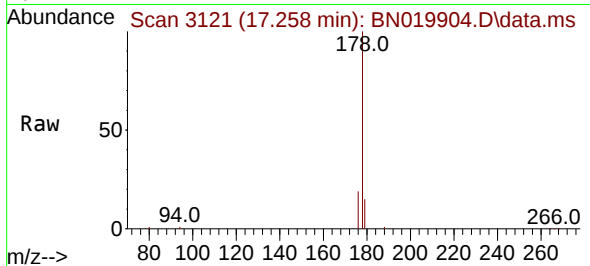




#15  
Phenanthrene  
Concen: 0.299 ng/ul  
RT: 17.258 min Scan# 3119  
Delta R.T. 0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

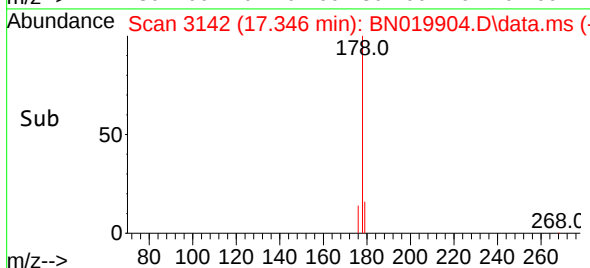
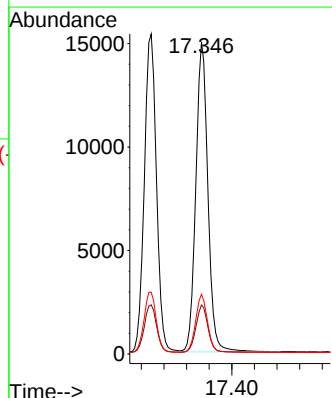
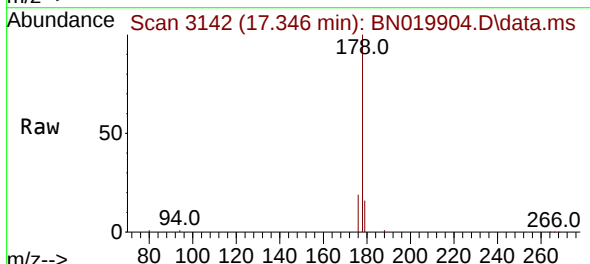
Instrument :  
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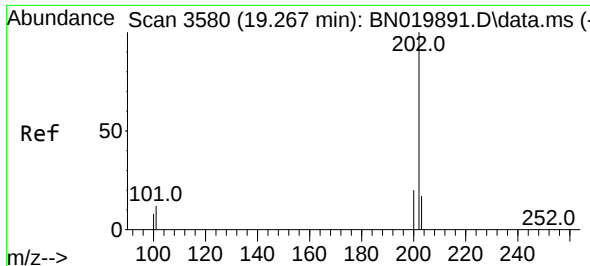
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Ion Ratio Lower Upper  
178 100  
179 15.4 12.9 19.3  
176 19.3 15.5 23.3



#16  
Anthracene  
Concen: 0.356 ng/ul  
RT: 17.346 min Scan# 3142  
Delta R.T. -0.002 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Tgt Ion:178 Resp: 22310  
Ion Ratio Lower Upper  
178 100  
179 15.7 13.1 19.7  
176 19.1 15.3 22.9

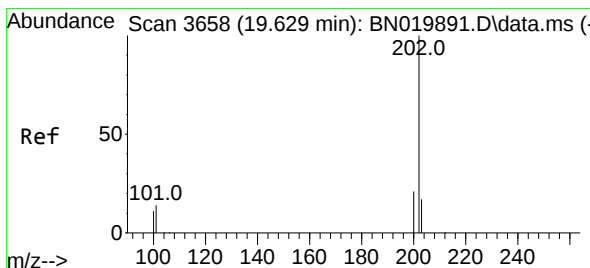
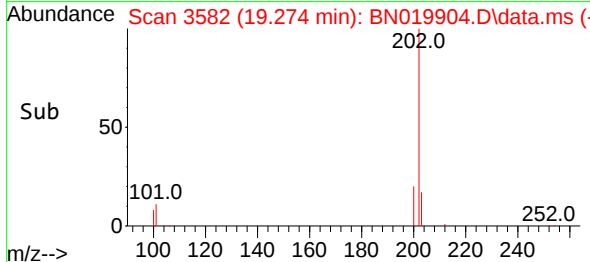
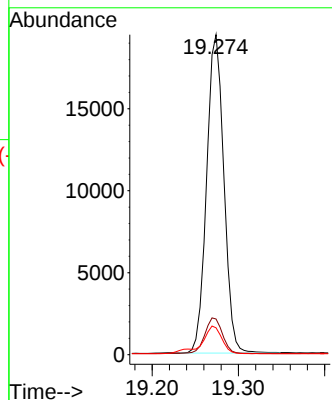
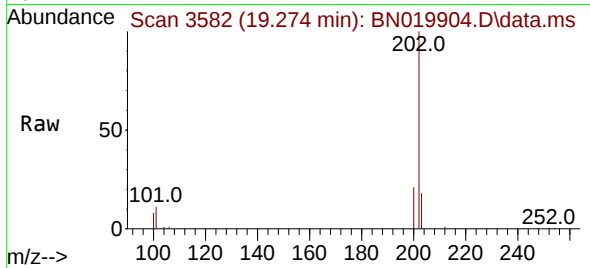




#19  
Fluoranthene  
Concen: 0.365 ng/u1  
RT: 19.274 min Scan# 3582  
Delta R.T. 0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

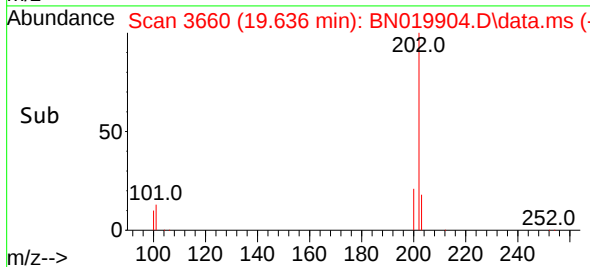
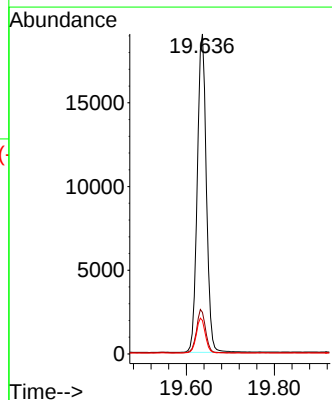
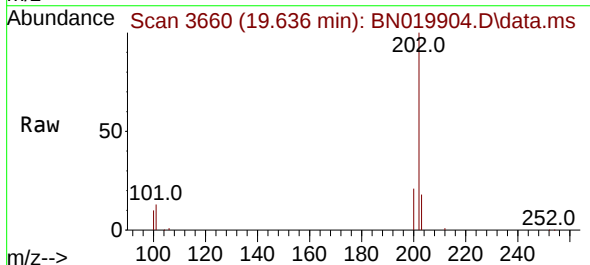
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BNA\_N  
ClientSampleId :  
SLCS915

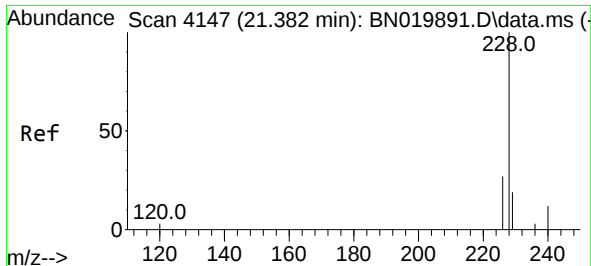
Tgt Ion:202 Resp: 27011  
Ion Ratio Lower Upper  
202 100  
101 11.1 9.7 14.5  
100 8.4 7.4 11.2



#20  
Pyrene  
Concen: 0.370 ng/u1  
RT: 19.636 min Scan# 3660  
Delta R.T. 0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Tgt Ion:202 Resp: 27290  
Ion Ratio Lower Upper  
202 100  
101 13.0 11.4 17.0  
100 10.5 9.0 13.4

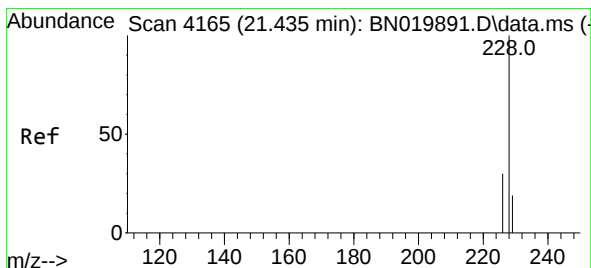
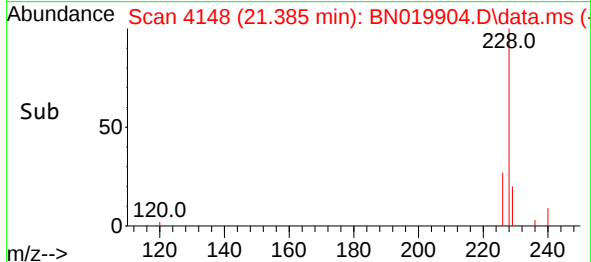
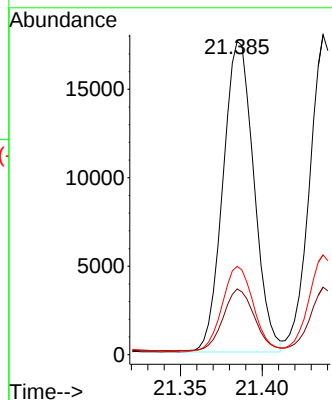
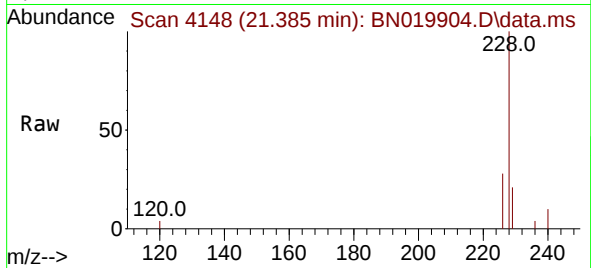




#21  
Benzo(a)anthracene  
Concen: 0.382 ng/ul  
RT: 21.385 min Scan# 4147  
Delta R.T. -0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

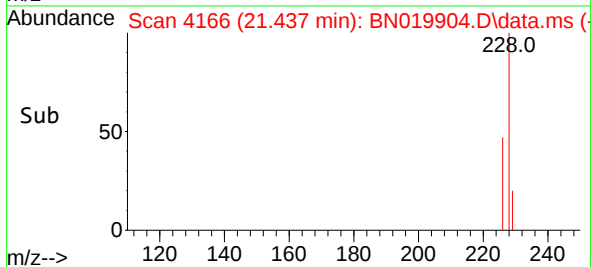
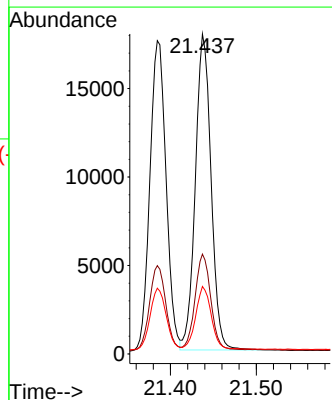
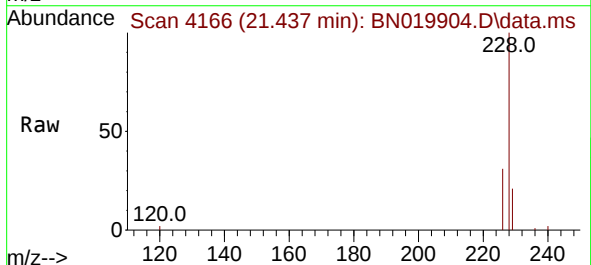
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915

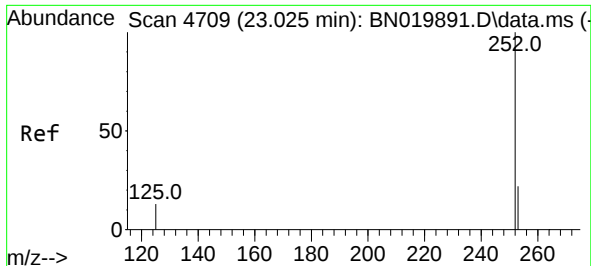
Tgt Ion:228 Resp: 23047  
Ion Ratio Lower Upper  
228 100  
229 21.0 16.1 24.1  
226 28.2 22.1 33.1



#22  
Chrysene  
Concen: 0.319 ng/ul  
RT: 21.437 min Scan# 4166  
Delta R.T. -0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

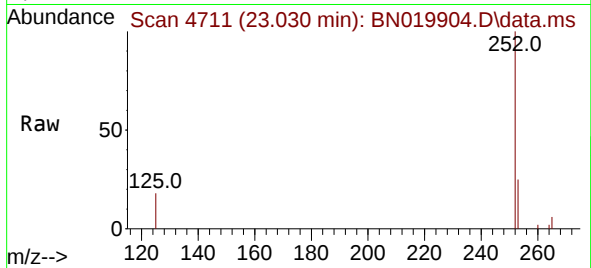
Tgt Ion:228 Resp: 22737  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.2 36.2  
229 21.1 16.0 24.0



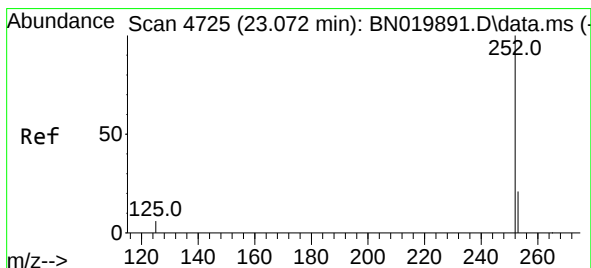
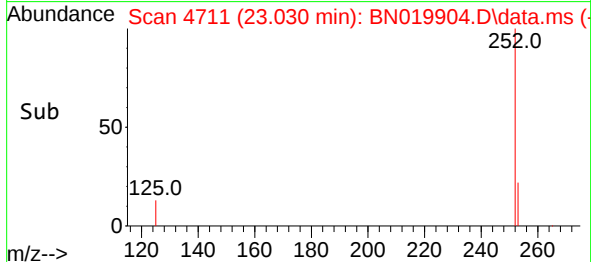
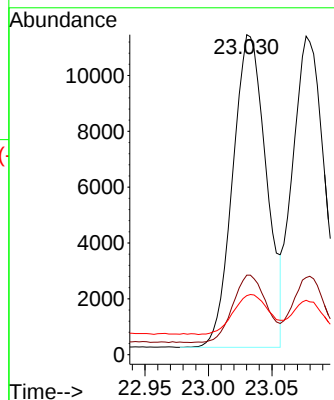


#24  
Benzo(b)fluoranthene  
Concen: 0.306 ng/ul  
RT: 23.030 min Scan# 4711  
Delta R.T. -0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915

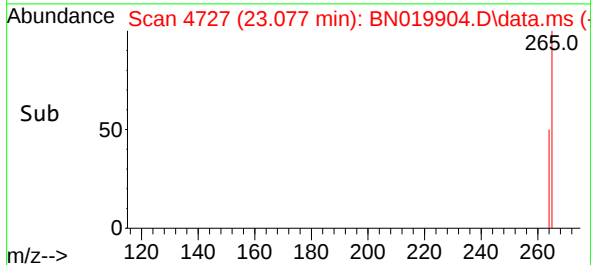
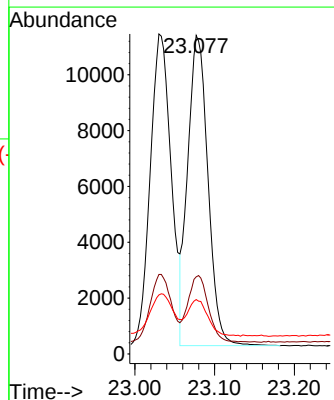
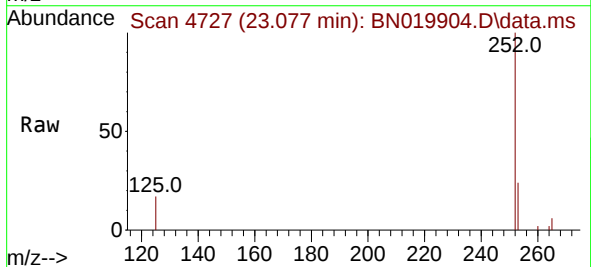


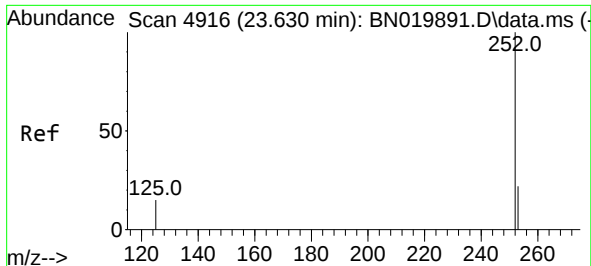
Tgt Ion:252 Resp: 20558  
Ion Ratio Lower Upper  
252 100  
253 24.9 0.0 52.0  
125 18.5 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 0.303 ng/ul  
RT: 23.077 min Scan# 4727  
Delta R.T. -0.003 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Tgt Ion:252 Resp: 19586  
Ion Ratio Lower Upper  
252 100  
253 24.2 20.2 30.2  
125 17.1 11.0 16.6#

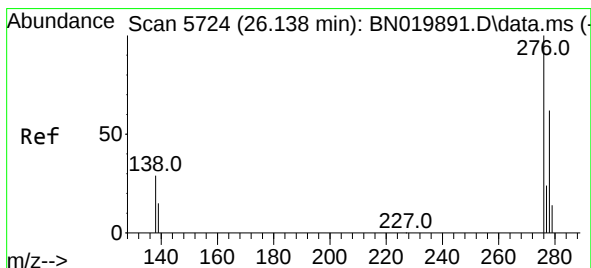
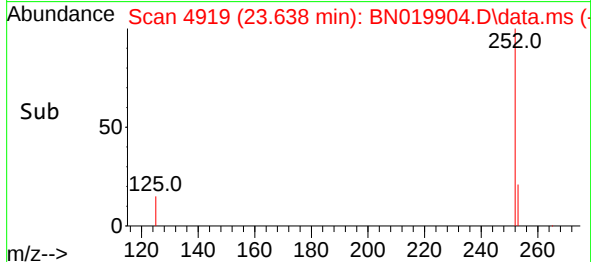
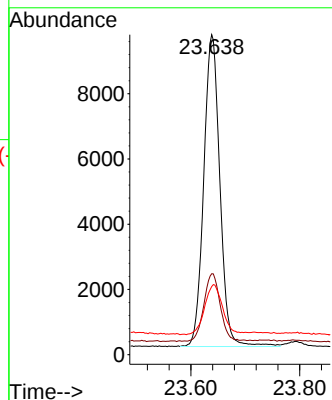
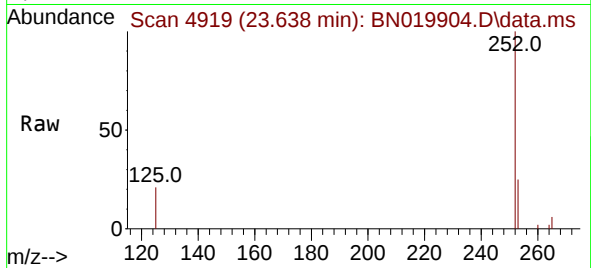




#26  
Benzo(a)pyrene  
Concen: 0.344 ng/ul  
RT: 23.638 min Scan# 4916  
Delta R.T. -0.000 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

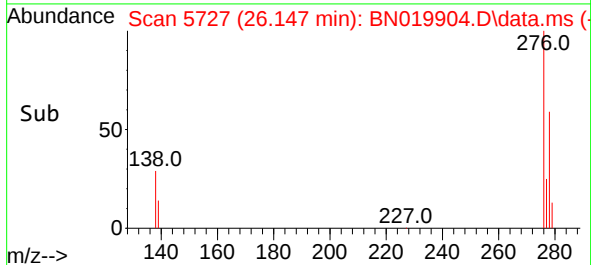
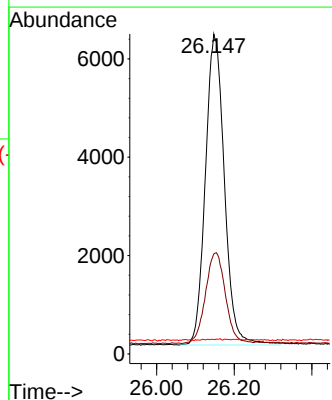
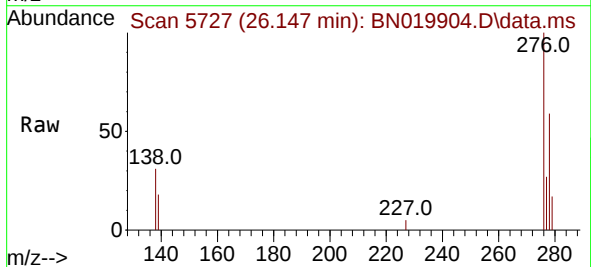
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS915

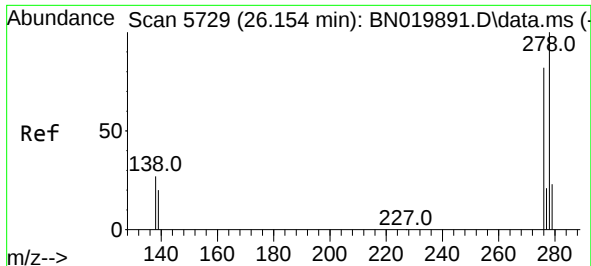
Tgt Ion:252 Resp: 19699  
Ion Ratio Lower Upper  
252 100  
253 25.3 23.4 35.0  
125 21.3 28.3 42.5#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.301 ng/ul  
RT: 26.147 min Scan# 5727  
Delta R.T. -0.000 min  
Lab File: BN019904.D  
Acq: 21 May 2022 12:47

Tgt Ion:276 Resp: 21500  
Ion Ratio Lower Upper  
276 100  
138 30.5 23.6 35.4  
227 0.1 0.0 0.0#





#28

Dibenzo(a,h)anthracene

Concen: 0.295 ng/ul

RT: 26.164 min Scan# 51

Delta R.T. -0.000 min

Lab File: BN019904.D

Acq: 21 May 2022 12:47

Instrument :

BNA\_N

ClientSampleId :

SLCS915

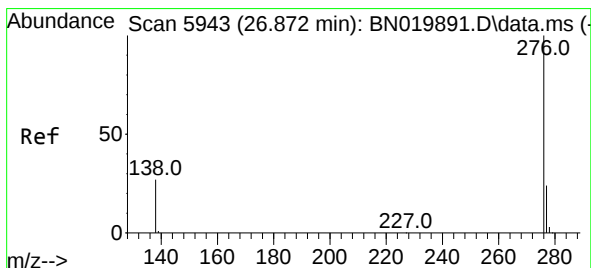
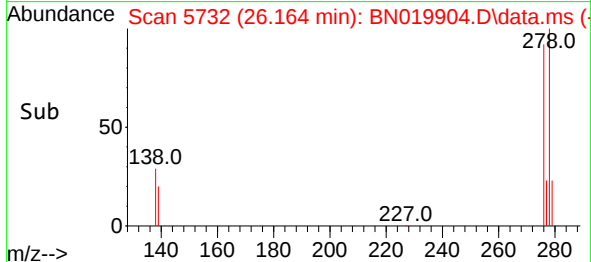
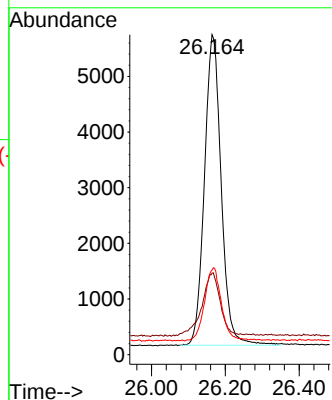
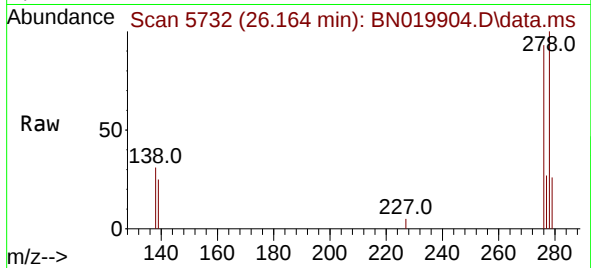
Tgt Ion:278 Resp: 17595

Ion Ratio Lower Upper

278 100

139 25.5 18.6 28.0

279 26.5 35.1 52.7#



#29

Benzo(g,h,i)perylene

Concen: 0.278 ng/ul

RT: 26.888 min Scan# 5948

Delta R.T. 0.010 min

Lab File: BN019904.D

Acq: 21 May 2022 12:47

Tgt Ion:276 Resp: 18133

Ion Ratio Lower Upper

276 100

138 28.7 20.9 31.3

277 26.9 20.4 30.6

