

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN041822\  
 Data File : BN019476.D  
 Acq On : 18 Apr 2022 13:33  
 Operator : CG/JU  
 Sample : SST0.826  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SST0.826

Quant Time: Apr 18 15:05:57 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN041822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 18 15:02:34 2022  
 Response via : Initial Calibration

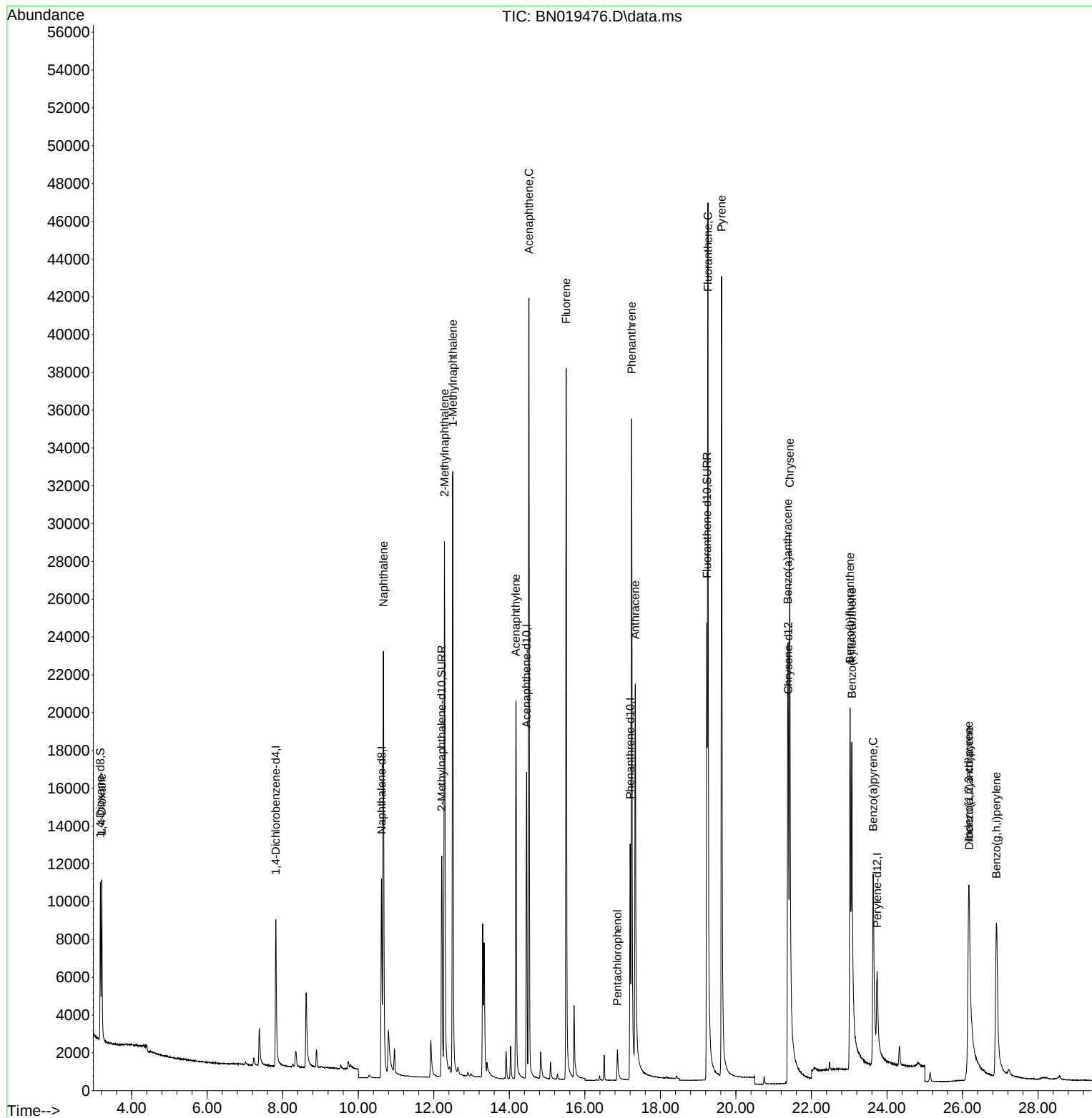
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.818  | 152  | 5322     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.618 | 136  | 16367    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.457 | 164  | 9174     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.201 | 188  | 16098    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.389 | 240  | 10821    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.739 | 264  | 7694     | 0.400 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.173  | 96   | 5082     | 0.742 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.213 | 152  | 17856    | 0.771 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.231 | 212  | 32066    | 0.800 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.207  | 88   | 5122     | 0.776 | ng/ul# | 77       |
| 5) Naphthalene              | 10.668 | 128  | 35796    | 0.768 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.285 | 142  | 23709    | 0.782 | ng/ul# | 100      |
| 8) 1-Methylnaphthalene      | 12.505 | 142  | 24287    | 0.763 | ng/ul# | 100      |
| 10) Acenaphthylene          | 14.174 | 152  | 26533    | 0.797 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.521 | 153  | 25616    | 0.771 | ng/ul  | 100      |
| 12) Fluorene                | 15.507 | 166  | 27306    | 0.739 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.863 | 266  | 1622     | 0.628 | ng/ul  | 91       |
| 15) Phenanthrene            | 17.239 | 178  | 41413    | 0.774 | ng/ul  | 99       |
| 16) Anthracene              | 17.336 | 178  | 31342    | 0.763 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.259 | 202  | 44424    | 0.825 | ng/ul  | 100      |
| 20) Pyrene                  | 19.621 | 202  | 45826    | 0.800 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.374 | 228  | 24815    | 0.745 | ng/ul  | 100      |
| 22) Chrysene                | 21.424 | 228  | 30775    | 0.706 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.023 | 252  | 28199    | 0.792 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.073 | 252  | 30559    | 0.743 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.637 | 252  | 23832    | 0.783 | ng/ul# | 85       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.166 | 276  | 24071    | 0.711 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 26.179 | 278  | 16427    | 0.682 | ng/ul# | 83       |
| 29) Benzo(g,h,i)perylene    | 26.900 | 276  | 24171    | 0.739 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

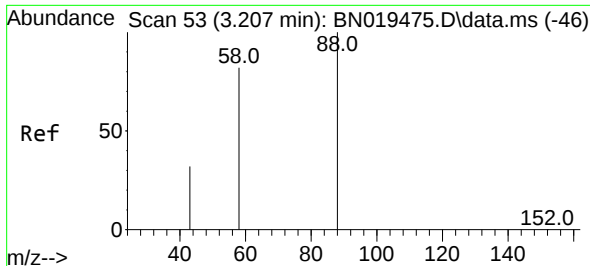
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
SSTD0.8226

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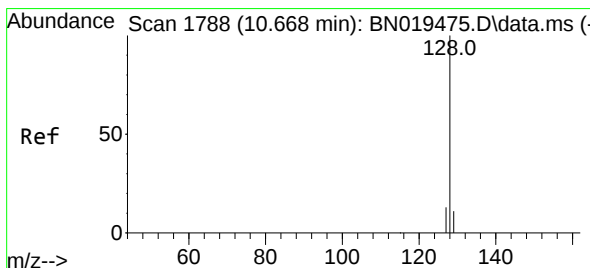
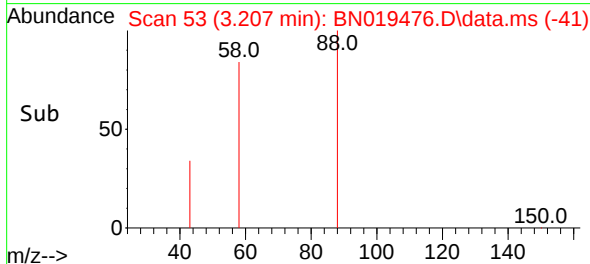
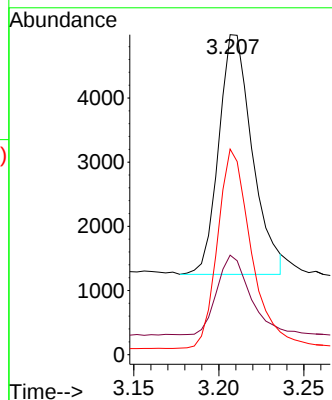
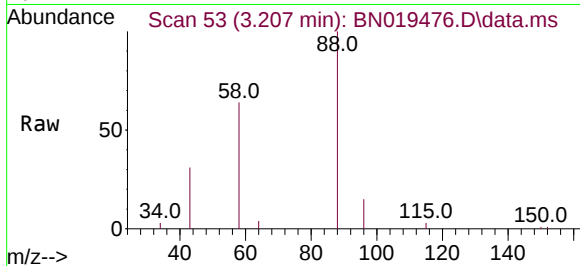




#2  
1,4-Dioxane  
Concen: 0.776 ng/ul  
RT: 3.207 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

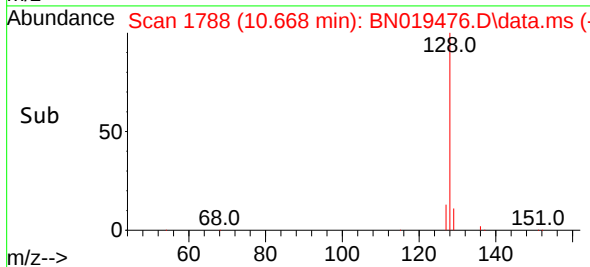
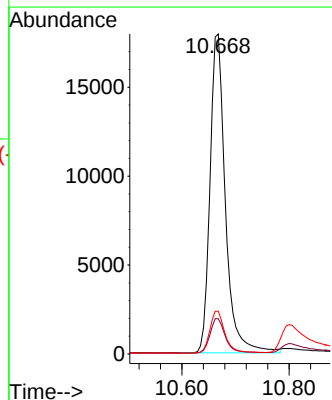
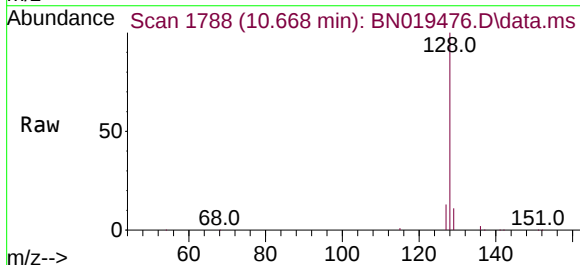
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8226

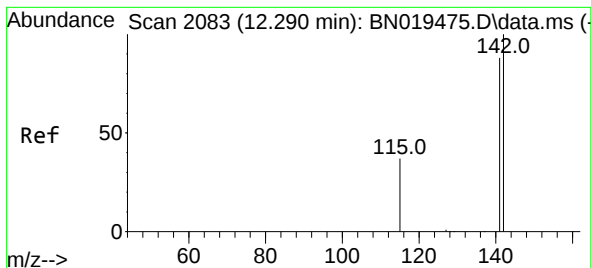
Tgt Ion: 88 Resp: 5122  
Ion Ratio Lower Upper  
88 100  
43 31.1 39.0 58.4#  
58 64.2 39.8 59.8#



#5  
Naphthalene  
Concen: 0.768 ng/ul  
RT: 10.668 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Tgt Ion: 128 Resp: 35796  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.5 14.3  
127 13.3 11.0 16.4

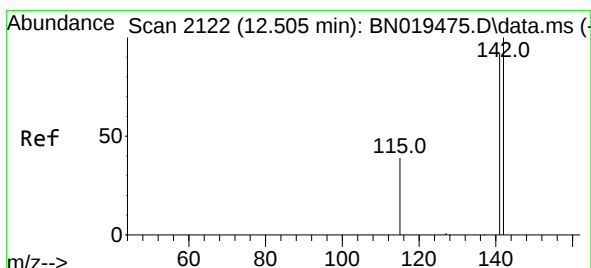
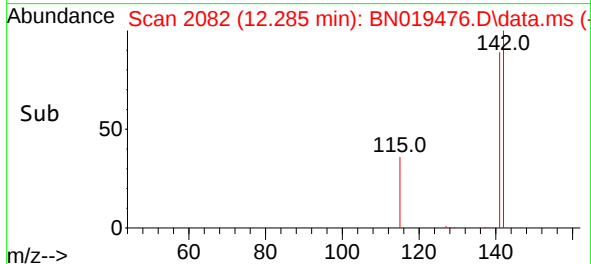
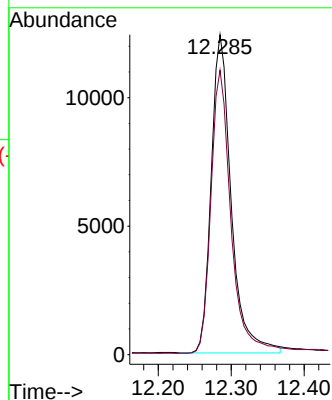
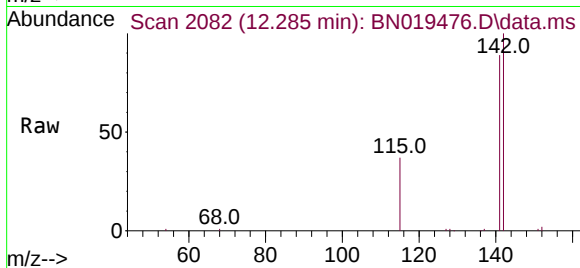




#7  
2-Methylnaphthalene  
Concen: 0.782 ng/ul  
RT: 12.285 min Scan# 2082  
Delta R.T. -0.005 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

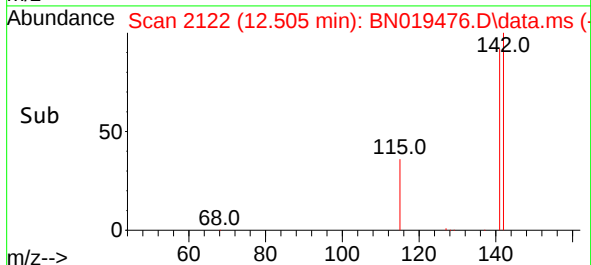
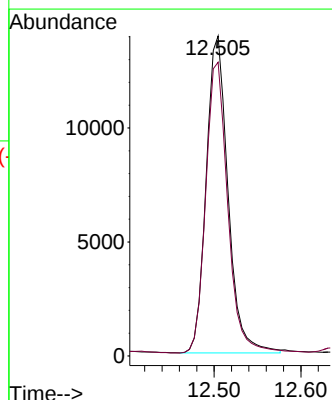
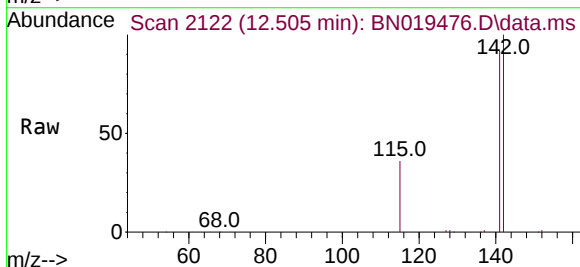
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8226

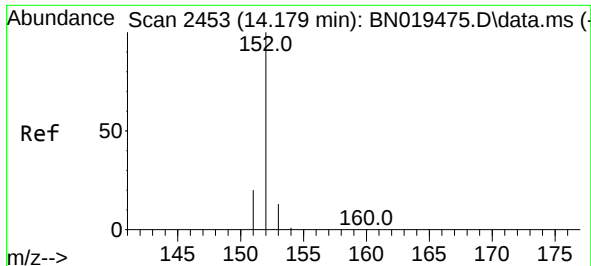
Tgt Ion:142 Resp: 23709  
Ion Ratio Lower Upper  
142 100  
141 88.8 0.0 0.0#



#8  
1-Methylnaphthalene  
Concen: 0.763 ng/ul  
RT: 12.505 min Scan# 2122  
Delta R.T. 0.000 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Tgt Ion:142 Resp: 24287  
Ion Ratio Lower Upper  
142 100  
141 92.5 0.0 0.0#

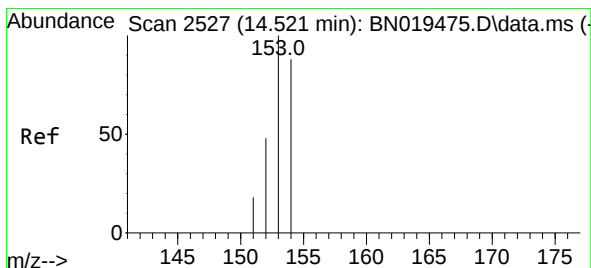
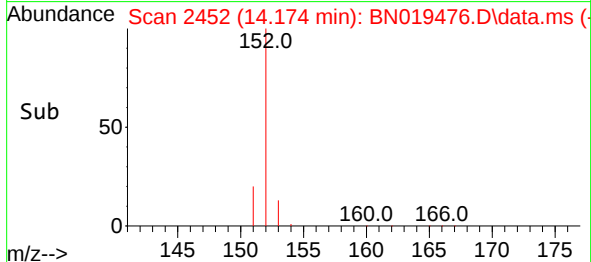
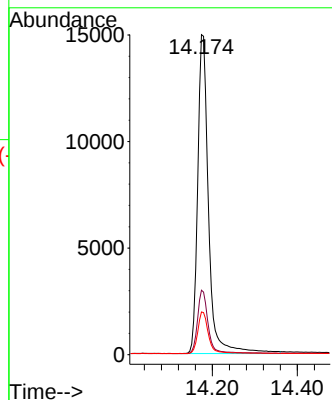
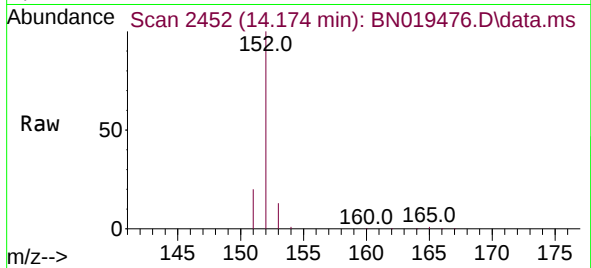




#10  
Acenaphthylene  
Concen: 0.797 ng/ul  
RT: 14.174 min Scan# 2453  
Delta R.T. -0.005 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

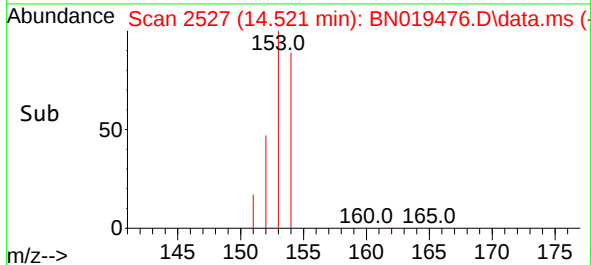
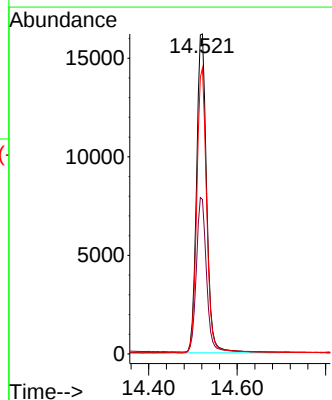
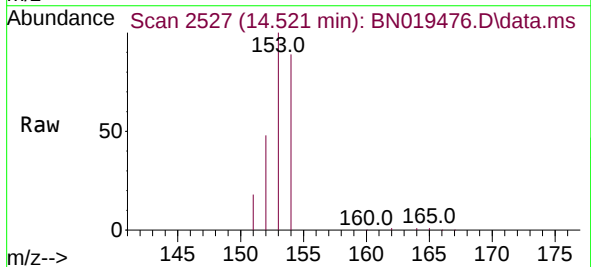
Instrument :  
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ClientSampleId :  
SSTD0.8226

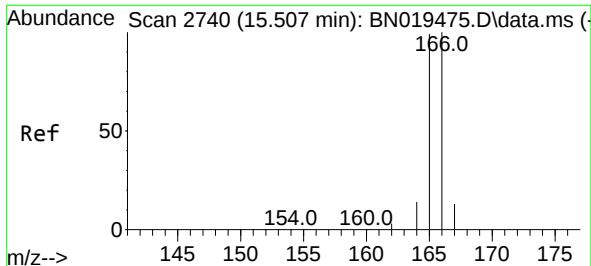
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:152 | Resp: | 26533     |
| Ion Ratio   | Lower | Upper     |
| 152         | 100   |           |
| 151         | 20.2  | 16.3 24.5 |
| 153         | 13.4  | 11.1 16.7 |



#11  
Acenaphthene  
Concen: 0.771 ng/ul  
RT: 14.521 min Scan# 2527  
Delta R.T. 0.000 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:153 | Resp: | 25616      |
| Ion Ratio   | Lower | Upper      |
| 153         | 100   |            |
| 152         | 48.3  | 38.6 57.8  |
| 154         | 89.3  | 71.2 106.8 |

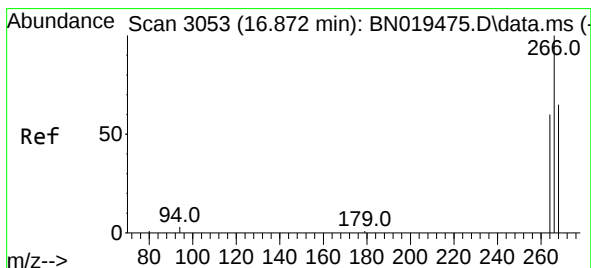
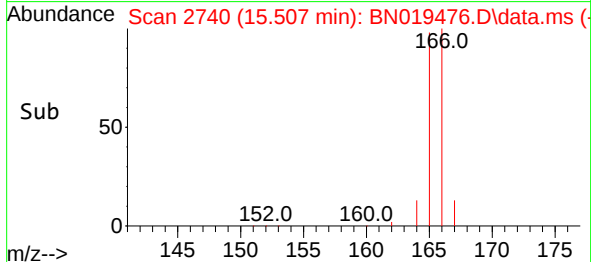
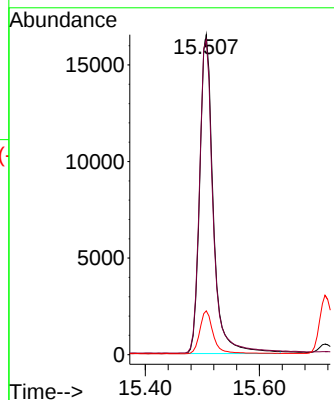
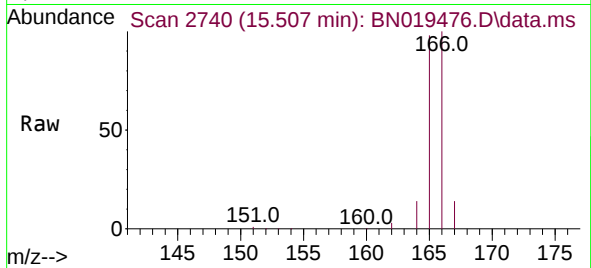




#12  
Fluorene  
Concen: 0.739 ng/ul  
RT: 15.507 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

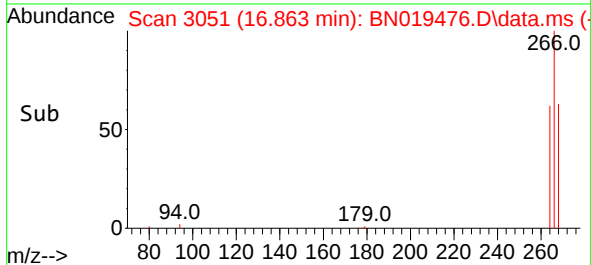
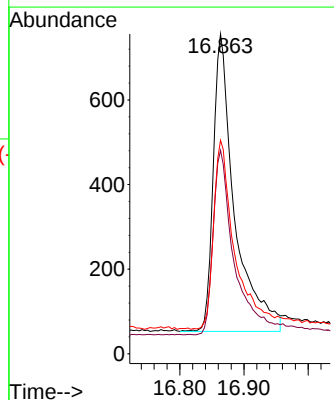
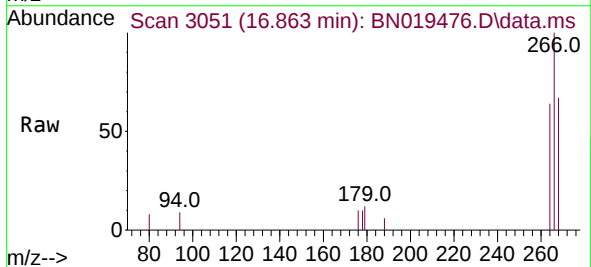
Instrument :  
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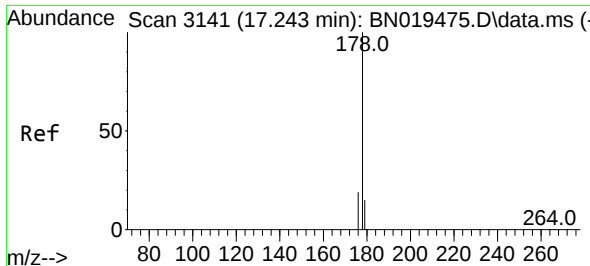
Tgt Ion:166 Resp: 27306  
Ion Ratio Lower Upper  
166 100  
165 98.4 78.2 117.2  
167 13.7 11.3 16.9



#14  
Pentachlorophenol  
Concen: 0.628 ng/ul  
RT: 16.863 min Scan# 3051  
Delta R.T. -0.008 min  
Lab File: BN019476.D  
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Tgt Ion:266 Resp: 1622  
Ion Ratio Lower Upper  
266 100  
264 61.7 44.9 67.3  
268 63.7 44.6 67.0

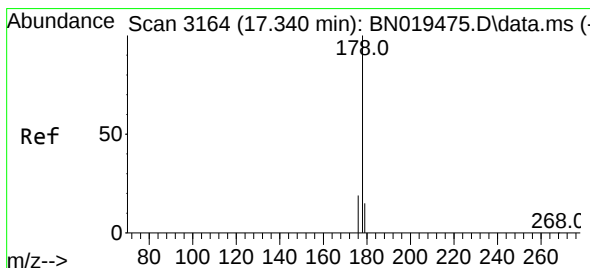
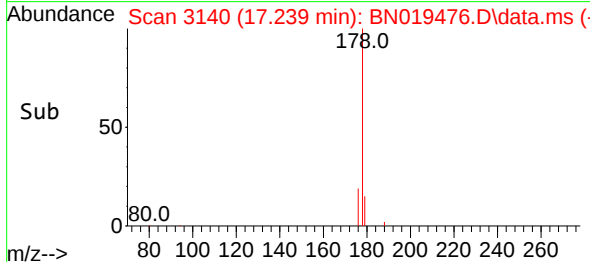
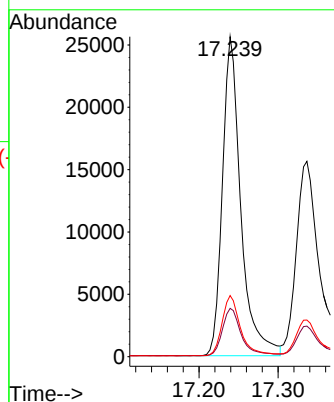
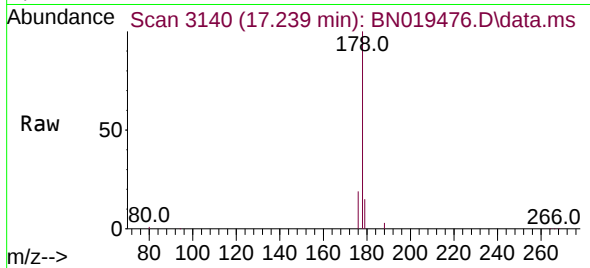




#15  
Phenanthrene  
Concen: 0.774 ng/ul  
RT: 17.239 min Scan# 3141  
Delta R.T. -0.004 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

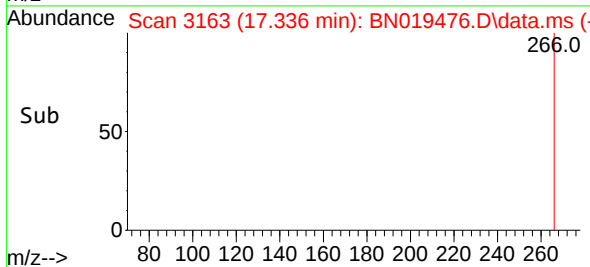
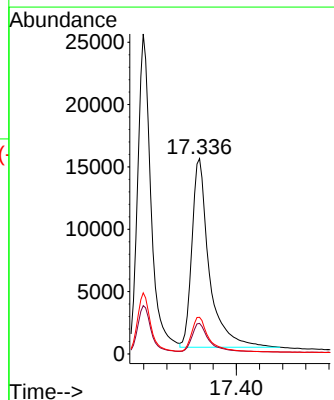
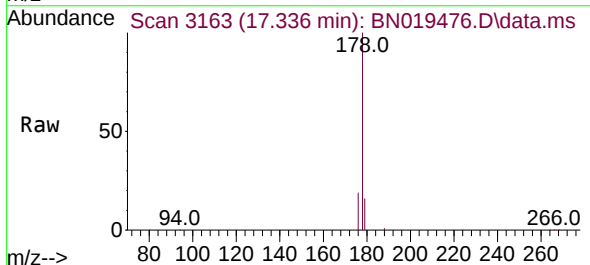
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SSTD0.8226

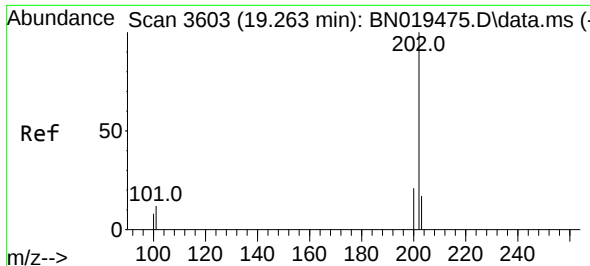
Tgt Ion:178 Resp: 41413  
Ion Ratio Lower Upper  
178 100  
179 15.1 12.9 19.3  
176 19.1 15.5 23.3



#16  
Anthracene  
Concen: 0.763 ng/ul  
RT: 17.336 min Scan# 3163  
Delta R.T. -0.004 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Tgt Ion:178 Resp: 31342  
Ion Ratio Lower Upper  
178 100  
179 15.6 13.1 19.7  
176 18.7 15.3 22.9

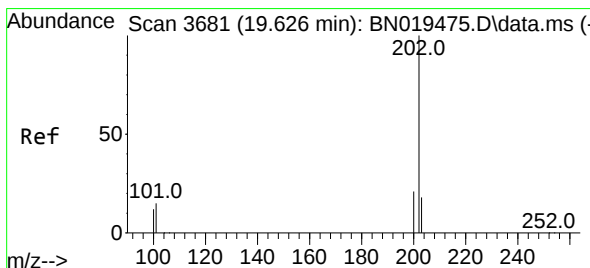
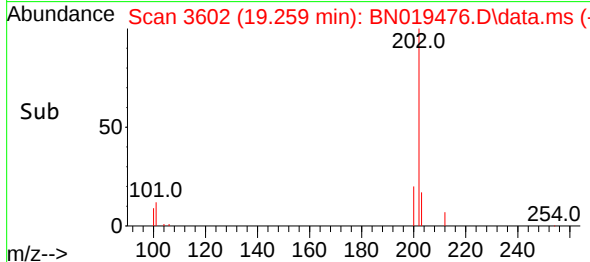
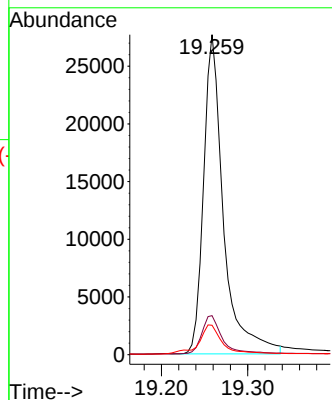
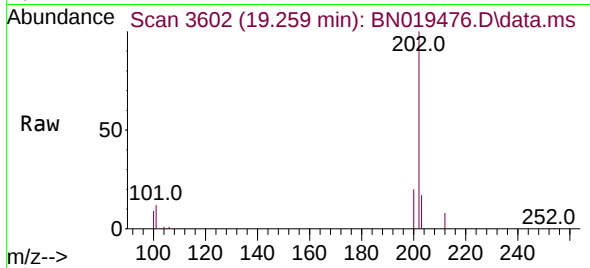




#19  
Fluoranthene  
Concen: 0.825 ng/ul  
RT: 19.259 min Scan# 3602  
Delta R.T. -0.005 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

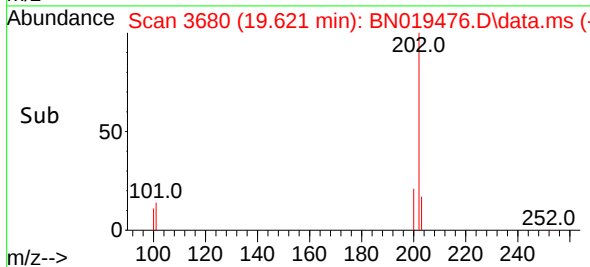
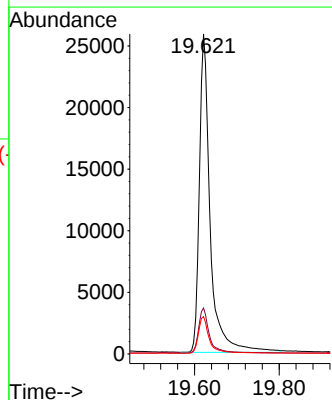
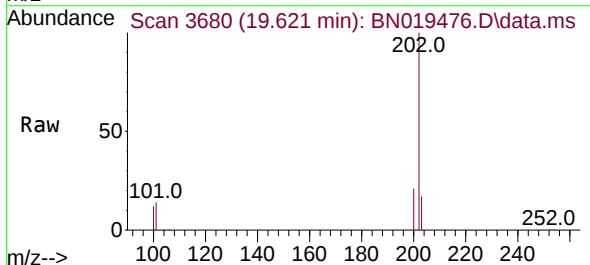
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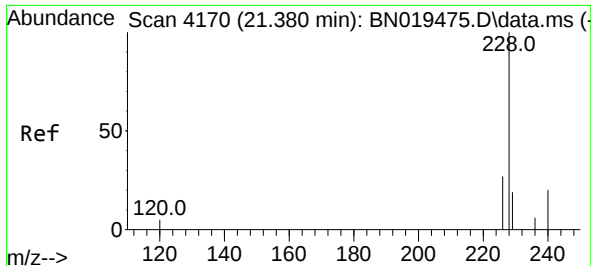
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Ion Ratio Lower Upper  
202 100  
101 12.2 9.7 14.5  
100 9.2 7.4 11.2



#20  
Pyrene  
Concen: 0.800 ng/ul  
RT: 19.621 min Scan# 3680  
Delta R.T. -0.005 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Tgt Ion:202 Resp: 45826  
Ion Ratio Lower Upper  
202 100  
101 14.4 11.4 17.0  
100 11.7 9.0 13.4

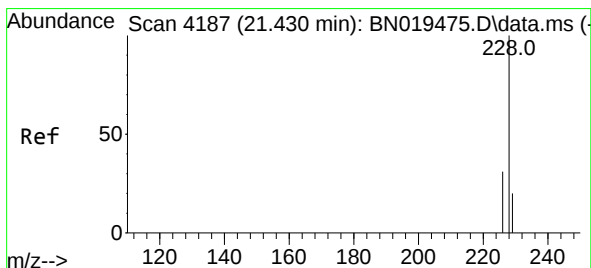
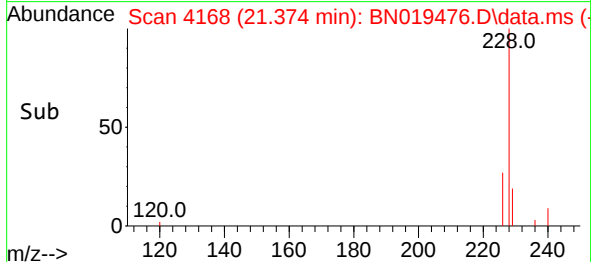
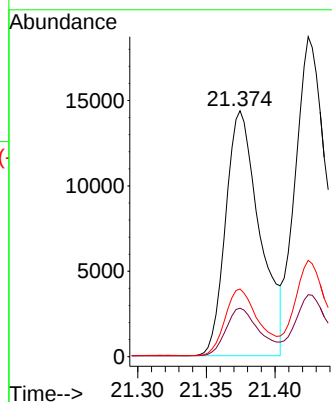
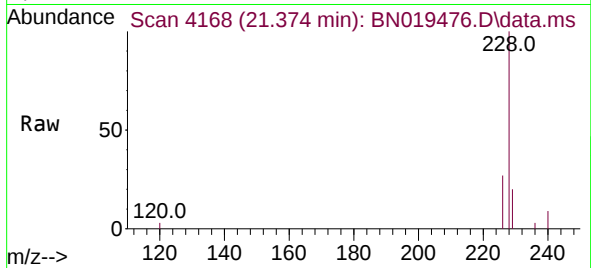




#21  
Benzo(a)anthracene  
Concen: 0.745 ng/ul  
RT: 21.374 min Scan# 4168  
Delta R.T. -0.006 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

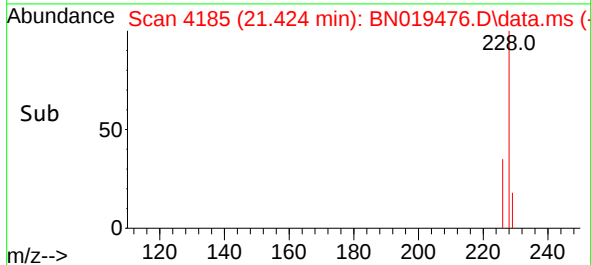
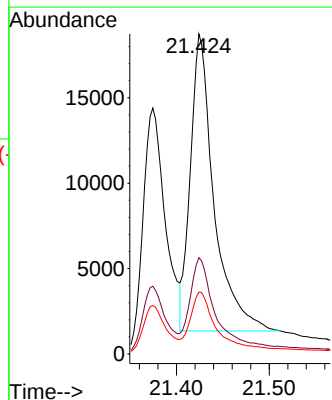
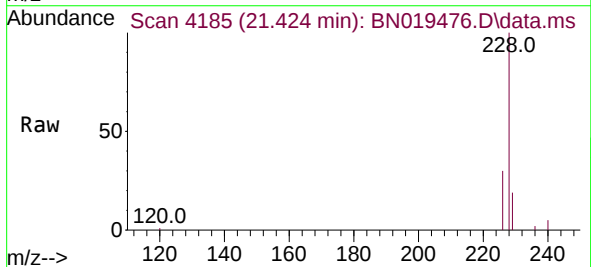
Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8226

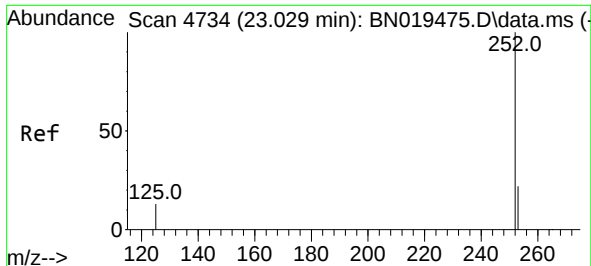
Tgt Ion:228 Resp: 24815  
Ion Ratio Lower Upper  
228 100  
229 19.7 16.1 24.1  
226 27.5 22.1 33.1



#22  
Chrysene  
Concen: 0.706 ng/ul  
RT: 21.424 min Scan# 4185  
Delta R.T. -0.006 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

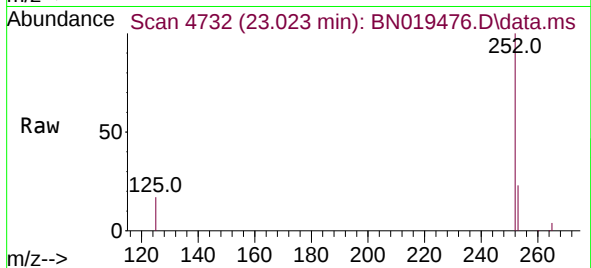
Tgt Ion:228 Resp: 30775  
Ion Ratio Lower Upper  
228 100  
226 30.1 24.2 36.2  
229 19.4 16.0 24.0



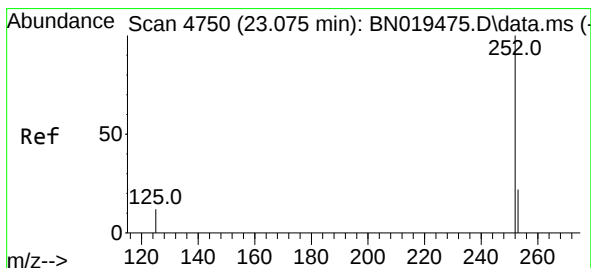
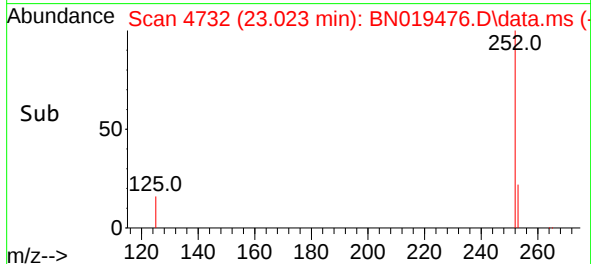
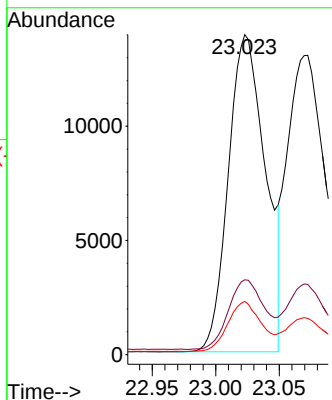


#24  
Benzo(b)fluoranthene  
Concen: 0.792 ng/ul  
RT: 23.023 min Scan# 4732  
Delta R.T. -0.006 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8226

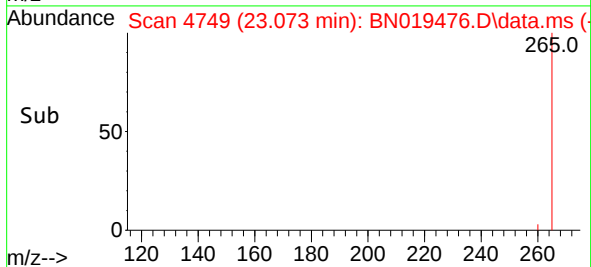
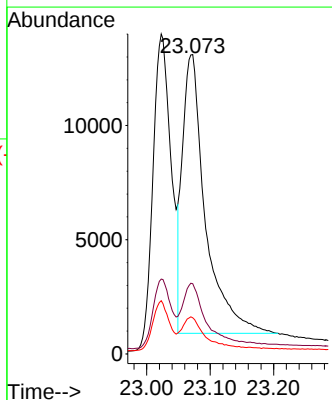
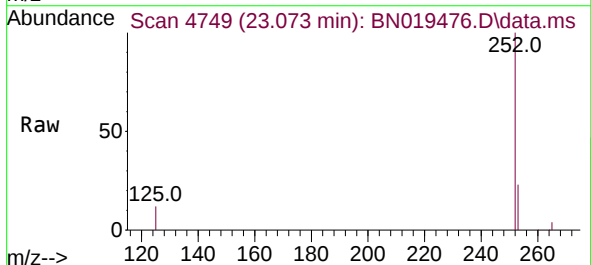


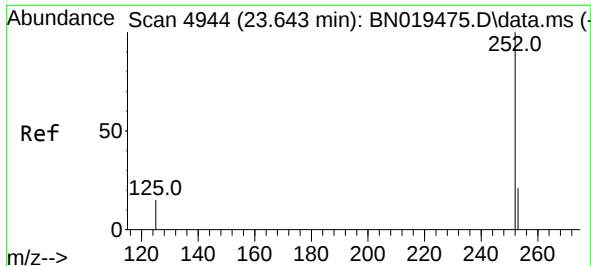
Tgt Ion:252 Resp: 28199  
Ion Ratio Lower Upper  
252 100  
253 23.4 0.0 52.0  
125 16.6 0.0 40.2



#25  
Benzo(k)fluoranthene  
Concen: 0.743 ng/ul  
RT: 23.073 min Scan# 4749  
Delta R.T. -0.003 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

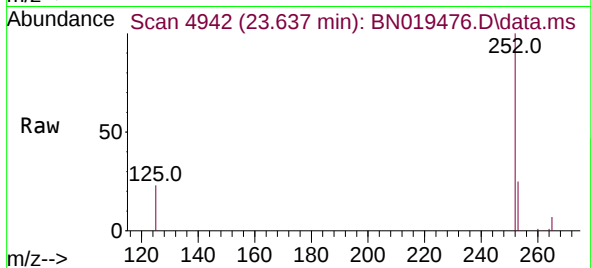
Tgt Ion:252 Resp: 30559  
Ion Ratio Lower Upper  
252 100  
253 23.5 20.2 30.2  
125 12.1 11.0 16.6



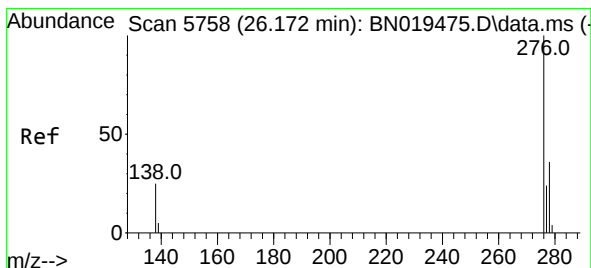
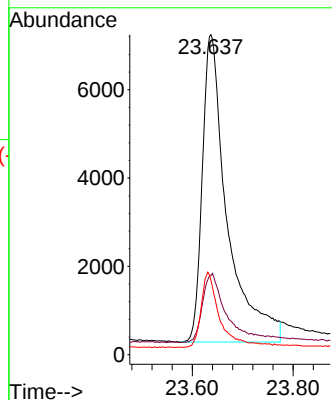
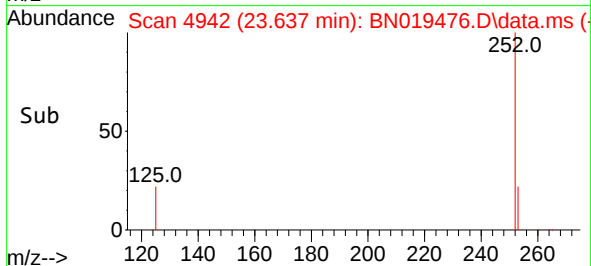


#26  
Benzo(a)pyrene  
Concen: 0.783 ng/ul  
RT: 23.637 min Scan# 4944  
Delta R.T. -0.006 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8226

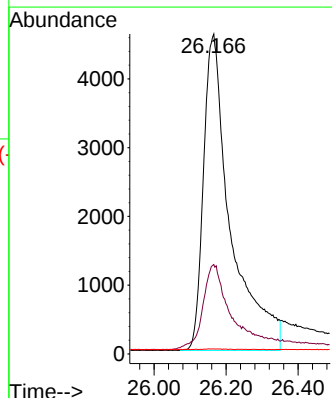
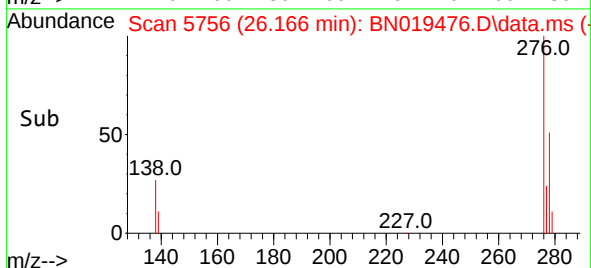
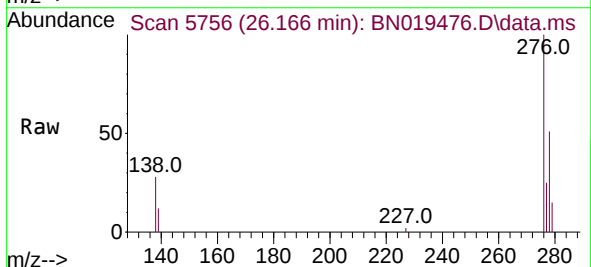


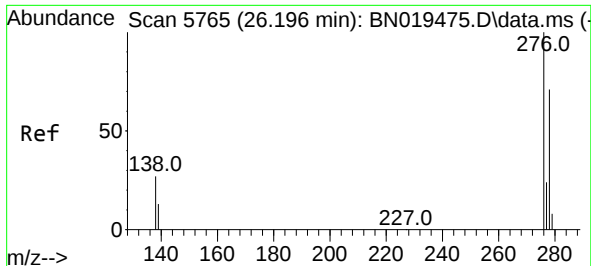
Tgt Ion:252 Resp: 23832  
Ion Ratio Lower Upper  
252 100  
253 24.7 23.4 35.0  
125 23.3 28.3 42.5#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.711 ng/ul  
RT: 26.166 min Scan# 5756  
Delta R.T. -0.007 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Tgt Ion:276 Resp: 24071  
Ion Ratio Lower Upper  
276 100  
138 29.1 23.6 35.4  
227 0.1 0.0 0.0#

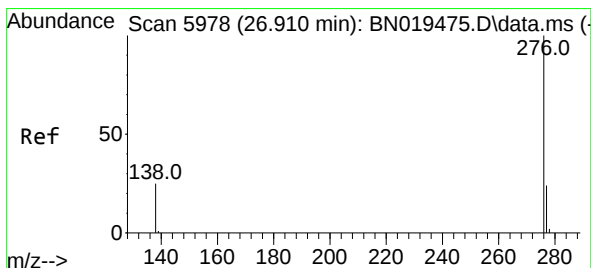
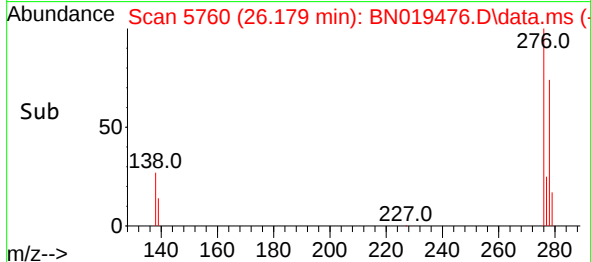
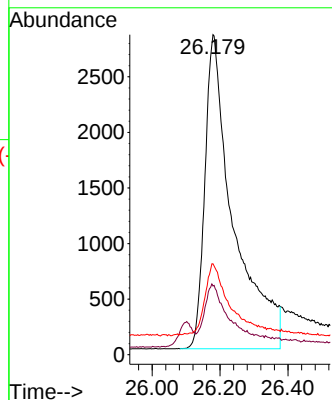
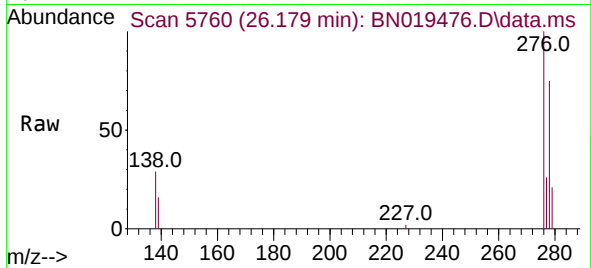




#28  
Dibenzo(a,h)anthracene  
Concen: 0.682 ng/ul  
RT: 26.179 min Scan# 51  
Delta R.T. -0.017 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
SSTD0.8226

Tgt Ion:278 Resp: 16427  
Ion Ratio Lower Upper  
278 100  
139 21.5 18.6 28.0  
279 28.4 35.1 52.7#



#29  
Benzo(g,h,i)perylene  
Concen: 0.739 ng/ul  
RT: 26.900 min Scan# 5975  
Delta R.T. -0.010 min  
Lab File: BN019476.D  
Acq: 18 Apr 2022 13:33

Tgt Ion:276 Resp: 24171  
Ion Ratio Lower Upper  
276 100  
138 25.3 20.9 31.3  
277 24.5 20.4 30.6

