

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081222\  
 Data File : BN021178.D  
 Acq On : 12 Aug 2022 17:13  
 Operator : CG/JU  
 Sample : PB146937BS  
 Misc :  
 ALS Vial : 61 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Aug 13 01:02:15 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN080322.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 09 23:10:06 2022  
 Response via : Initial Calibration

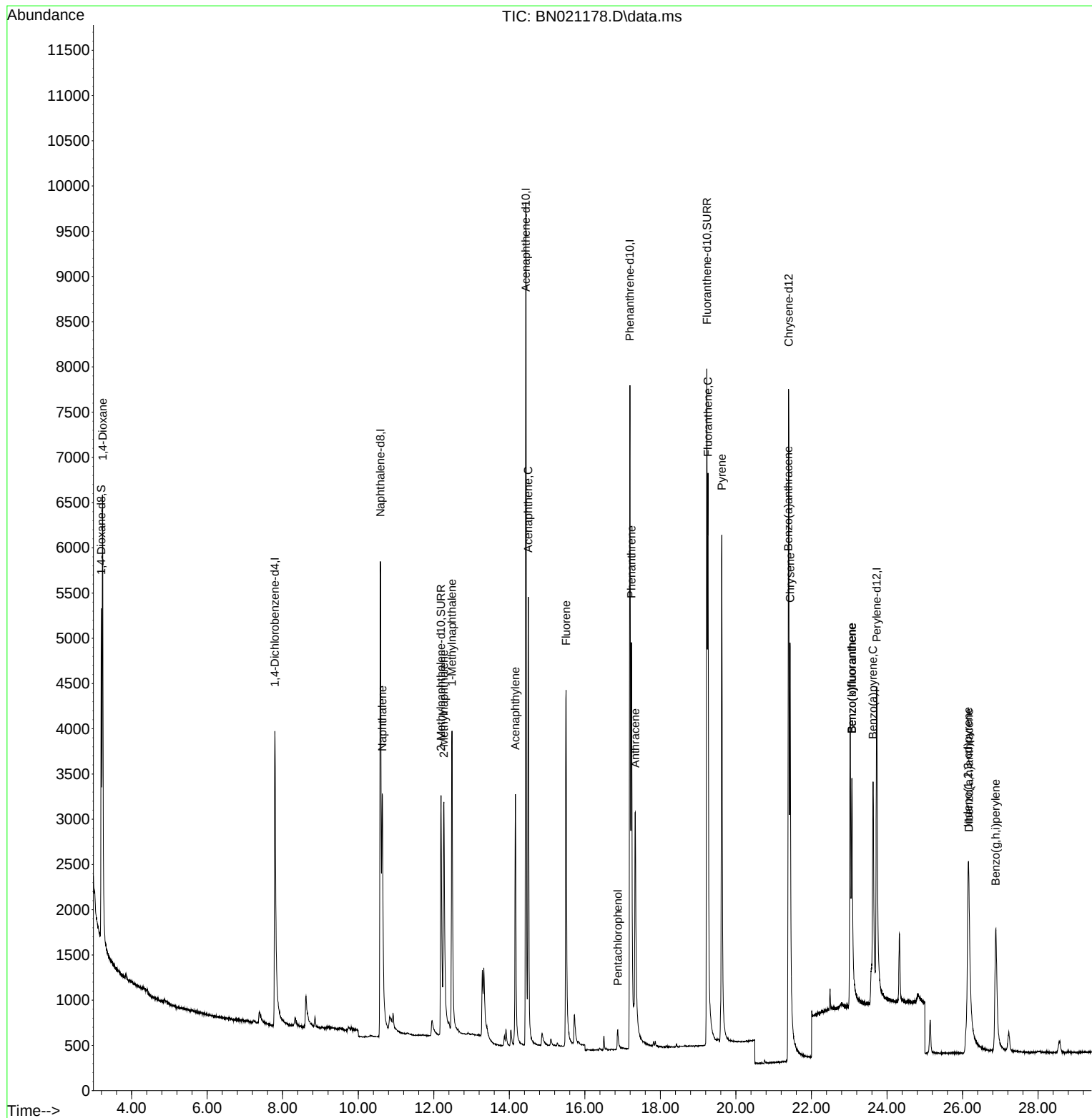
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.793  | 152  | 2809     | 0.400 | ng/ul  | 0.01     |
| 4) Naphthalene-d8           | 10.585 | 136  | 10072    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.438 | 164  | 5815     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.193 | 188  | 10604    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.398 | 240  | 7113     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.730 | 264  | 5683     | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.198  | 96   | 2454     | 0.683 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.191 | 152  | 4947     | 0.335 | ng/ul  | 0.01     |
| 18) Fluoranthene-d10        | 19.231 | 212  | 10042    | 0.457 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.232  | 88   | 3233     | 0.873 | ng/ul# | 93       |
| 5) Naphthalene              | 10.640 | 128  | 4614     | 0.149 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.268 | 142  | 2703     | 0.144 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.483 | 142  | 3025     | 0.161 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.161 | 152  | 4018     | 0.148 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.503 | 153  | 3356     | 0.149 | ng/ul  | 98       |
| 12) Fluorene                | 15.502 | 166  | 3481     | 0.142 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.872 | 266  | 246      | 0.150 | ng/ul  | 95       |
| 15) Phenanthrene            | 17.235 | 178  | 5513     | 0.145 | ng/ul  | 99       |
| 16) Anthracene              | 17.336 | 178  | 4255     | 0.145 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.263 | 202  | 6031     | 0.192 | ng/ul  | 98       |
| 20) Pyrene                  | 19.626 | 202  | 6236     | 0.192 | ng/ul  | 96       |
| 21) Benzo(a)anthracene      | 21.386 | 228  | 3464     | 0.149 | ng/ul  | 96       |
| 22) Chrysene                | 21.436 | 228  | 4676     | 0.153 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.073 | 252  | 4414     | 0.168 | ng/ul  | 90       |
| 25) Benzo(k)fluoranthene    | 23.073 | 252  | 4235     | 0.153 | ng/ul# | 90       |
| 26) Benzo(a)pyrene          | 23.631 | 252  | 3914     | 0.163 | ng/ul# | 51       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.145 | 276  | 4112     | 0.143 | ng/ul# | 92       |
| 28) Dibenzo(a,h)anthracene  | 26.169 | 278  | 3151     | 0.139 | ng/ul# | 88       |
| 29) Benzo(g,h,i)perylene    | 26.880 | 276  | 3812     | 0.149 | ng/ul  | 93       |
| -----                       |        |      |          |       |        |          |

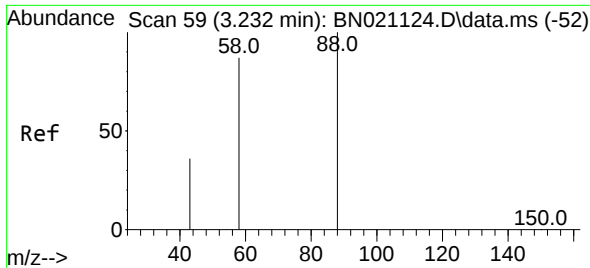
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN081222\  
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QLast Update : Tue Aug 09 23:10:06 2022  
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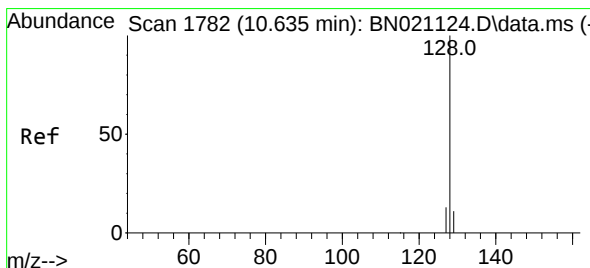
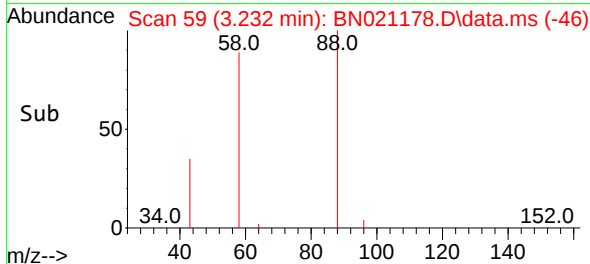
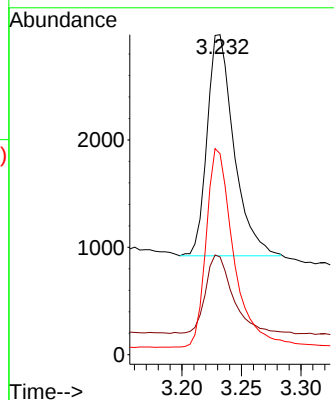
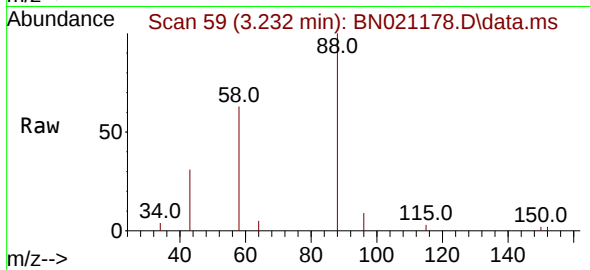




#2  
 1,4-Dioxane  
 Concen: 0.873 ng/ul  
 RT: 3.232 min Scan# 59  
 Delta R.T. 0.004 min  
 Lab File: BN021178.D  
 Acq: 12 Aug 2022 17:13

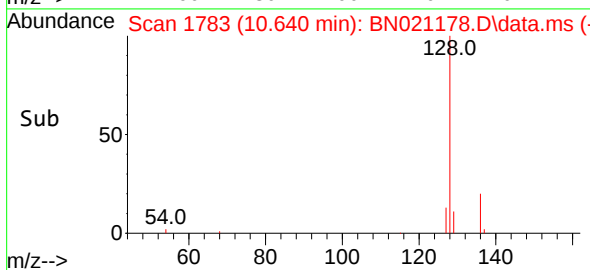
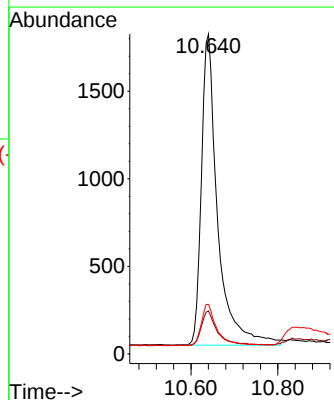
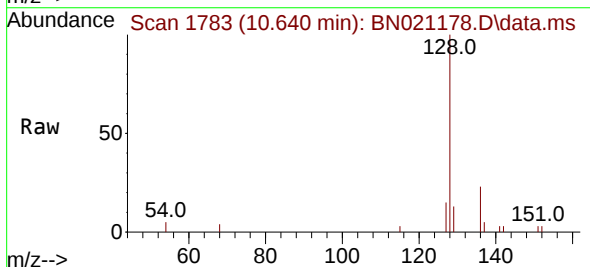
Instrument :  
 BNA\_N  
 ClientSampleId :

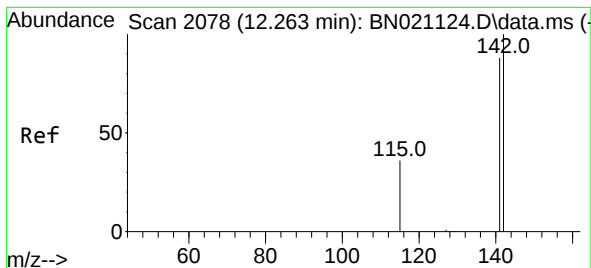
Tgt Ion: 88 Resp: 3233  
 Ion Ratio Lower Upper  
 88 100  
 43 30.6 31.4 47.0#  
 58 62.8 49.0 73.6



#5  
 Naphthalene  
 Concen: 0.149 ng/ul  
 RT: 10.640 min Scan# 1783  
 Delta R.T. 0.012 min  
 Lab File: BN021178.D  
 Acq: 12 Aug 2022 17:13

Tgt Ion: 128 Resp: 4614  
 Ion Ratio Lower Upper  
 128 100  
 129 13.5 9.8 14.6  
 127 15.5 11.6 17.4





#7

2-Methylnaphthalene

Concen: 0.144 ng/ul

RT: 12.268 min Scan# 2078

Delta R.T. 0.018 min

Lab File: BN021178.D

Acq: 12 Aug 2022 17:13

Instrument :

BNA\_N

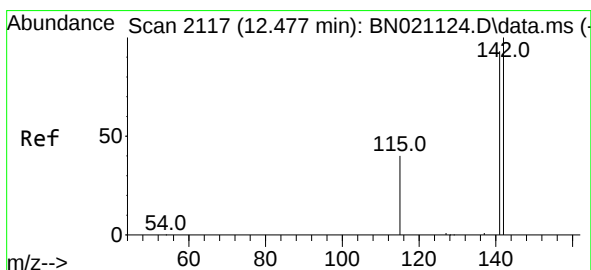
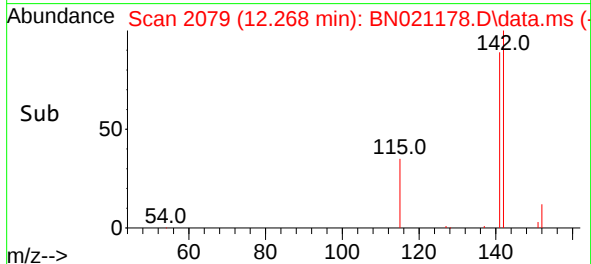
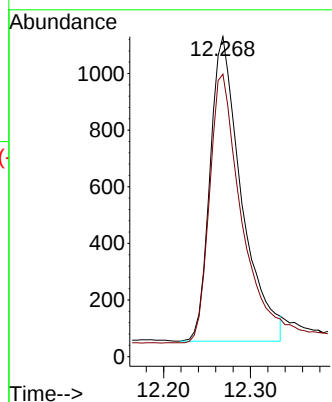
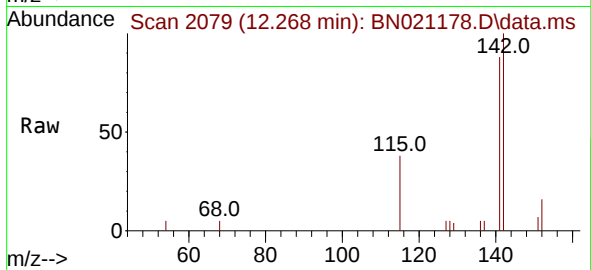
ClientSampleId :

Tgt Ion:142 Resp: 2703

Ion Ratio Lower Upper

142 100

141 89.2 72.2 108.2



#8

1-Methylnaphthalene

Concen: 0.161 ng/ul

RT: 12.483 min Scan# 2118

Delta R.T. 0.012 min

Lab File: BN021178.D

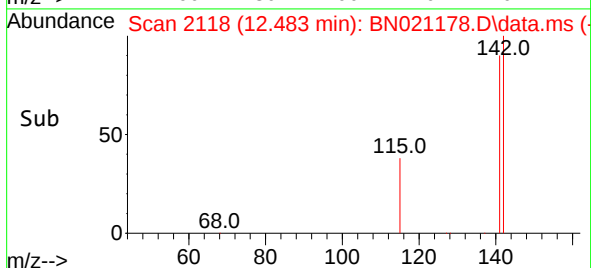
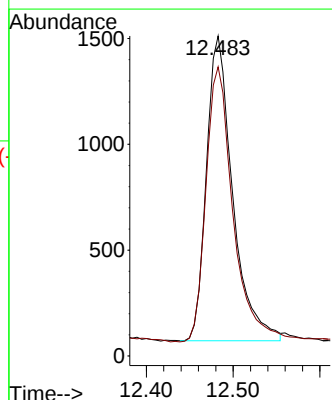
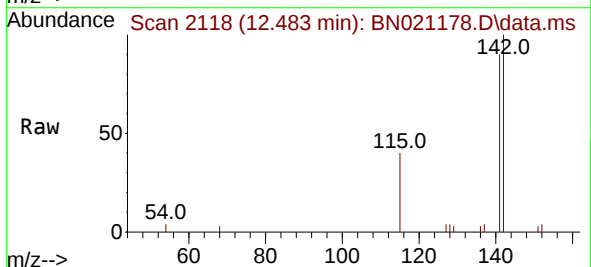
Acq: 12 Aug 2022 17:13

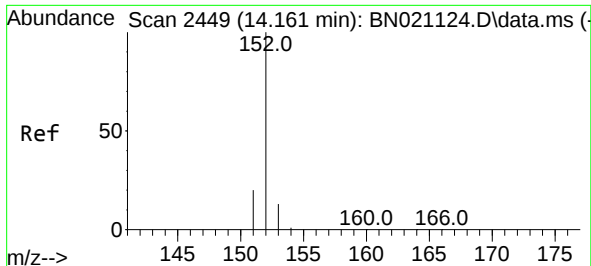
Tgt Ion:142 Resp: 3025

Ion Ratio Lower Upper

142 100

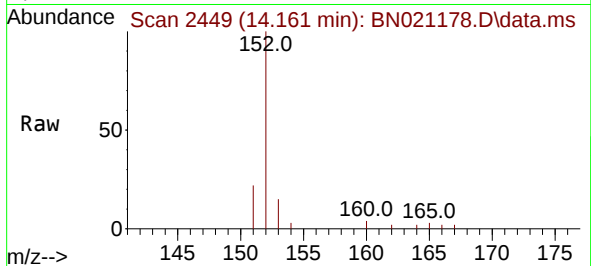
141 92.6 73.9 110.9



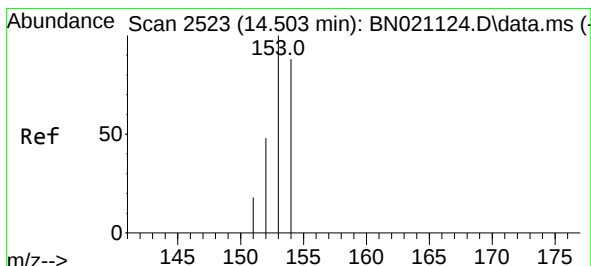
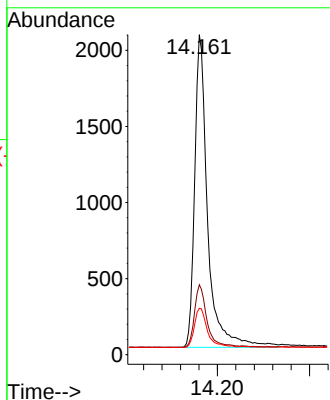
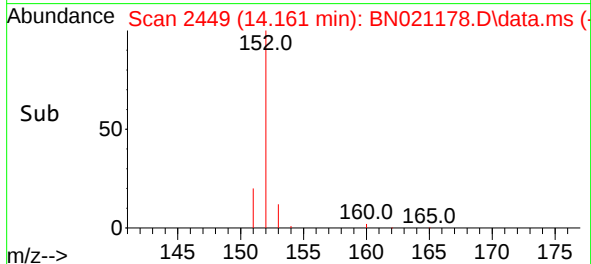


#10  
Acenaphthylene  
Concen: 0.148 ng/ul  
RT: 14.161 min Scan# 2449  
Delta R.T. 0.006 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

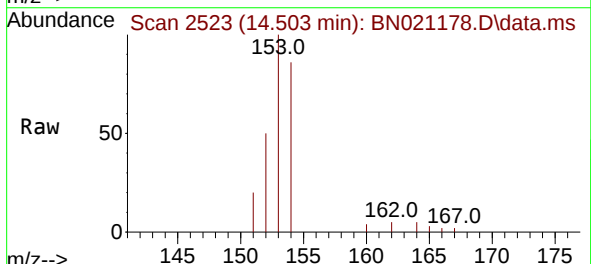
Instrument :  
BNA\_N  
ClientSampleId :



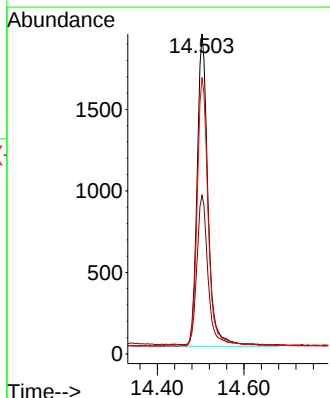
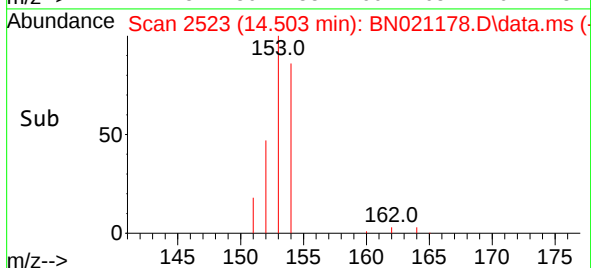
Tgt Ion:152 Resp: 4018  
Ion Ratio Lower Upper  
152 100  
151 21.9 16.9 25.3  
153 14.5 11.2 16.8

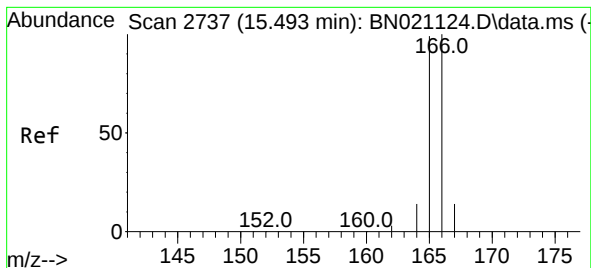


#11  
Acenaphthene  
Concen: 0.149 ng/ul  
RT: 14.503 min Scan# 2523  
Delta R.T. 0.001 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13



Tgt Ion:153 Resp: 3356  
Ion Ratio Lower Upper  
153 100  
152 49.6 40.2 60.4  
154 86.4 70.7 106.1





#12

Fluorene

Concen: 0.142 ng/ul

RT: 15.502 min Scan# 21

Delta R.T. 0.011 min

Lab File: BN021178.D

Acq: 12 Aug 2022 17:13

Instrument :

BNA\_N

ClientSampleId :

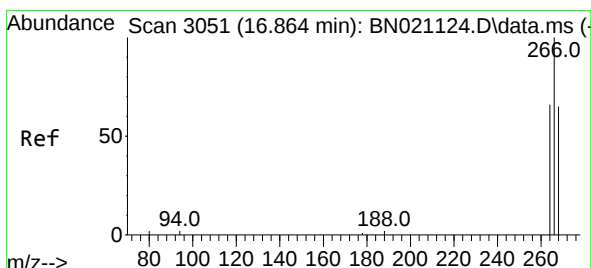
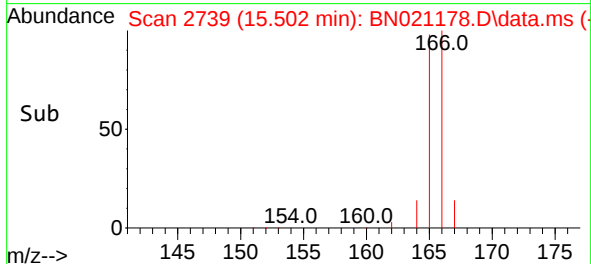
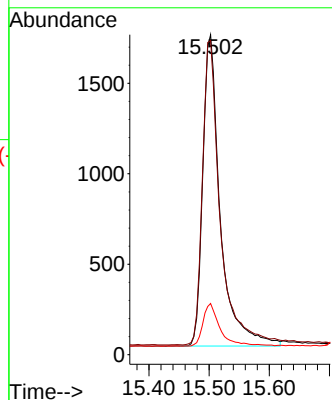
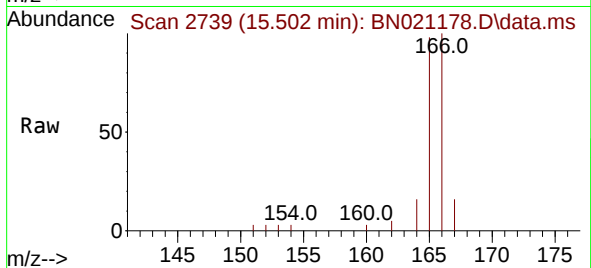
Tgt Ion:166 Resp: 3481

Ion Ratio Lower Upper

166 100

165 98.1 78.6 117.8

167 16.0 11.8 17.6



#14

Pentachlorophenol

Concen: 0.150 ng/ul

RT: 16.872 min Scan# 3053

Delta R.T. 0.018 min

Lab File: BN021178.D

Acq: 12 Aug 2022 17:13

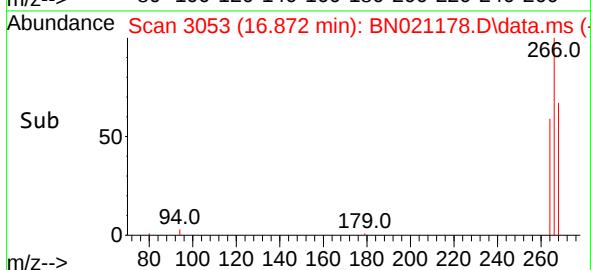
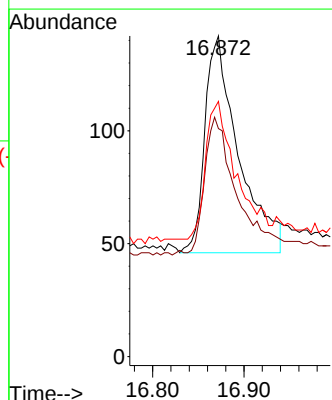
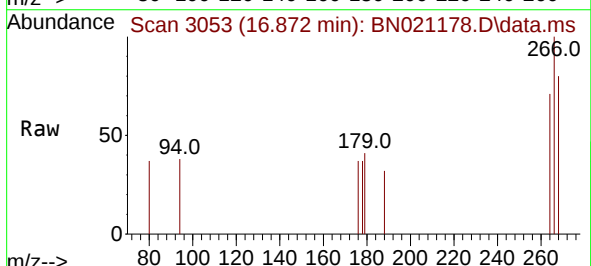
Tgt Ion:266 Resp: 246

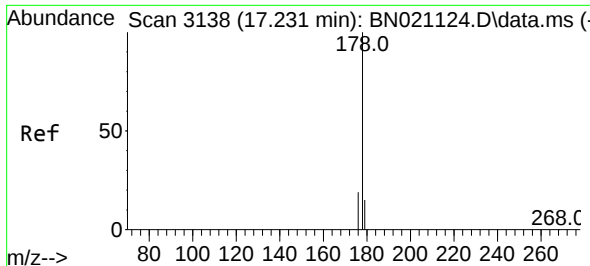
Ion Ratio Lower Upper

266 100

264 58.9 49.8 74.8

268 58.1 50.6 75.8

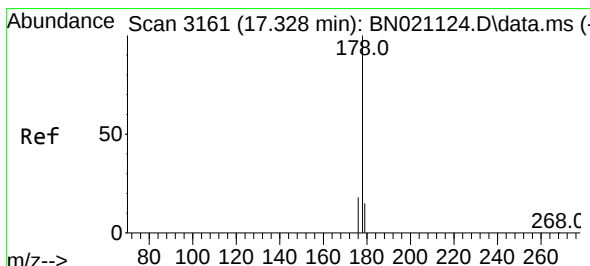
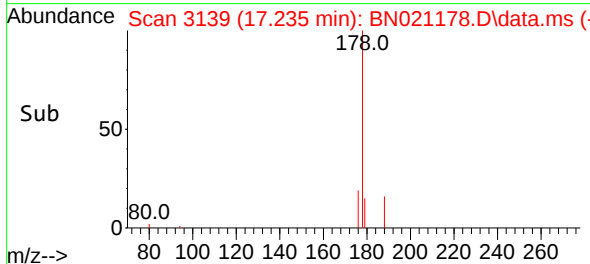
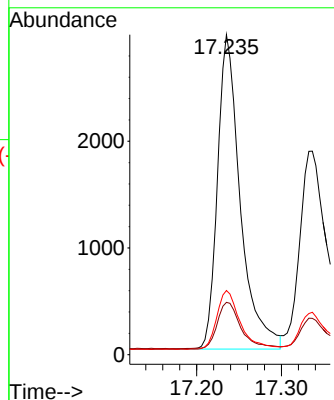
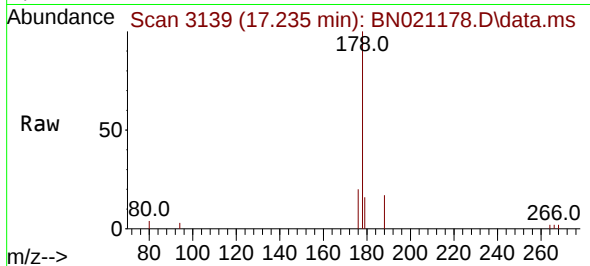




#15  
Phenanthrene  
Concen: 0.145 ng/ul  
RT: 17.235 min Scan# 3138  
Delta R.T. 0.005 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

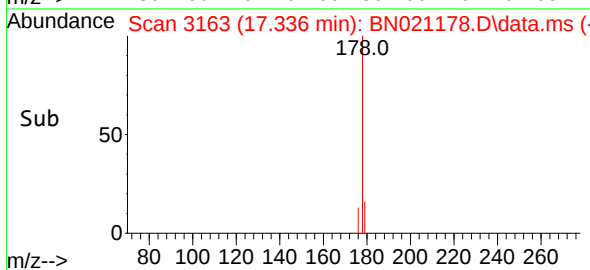
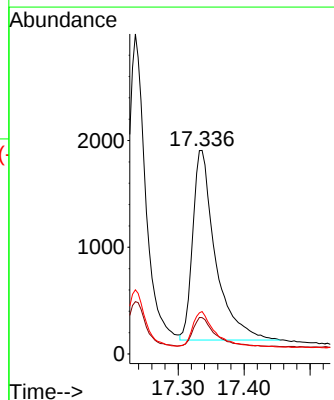
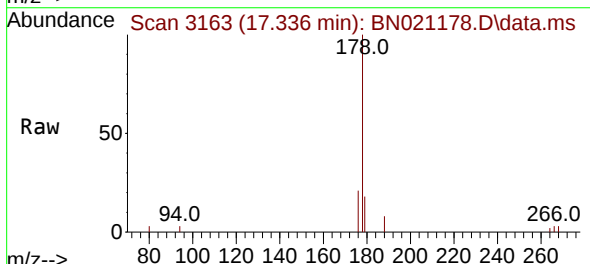
Instrument :  
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ClientSampleId :

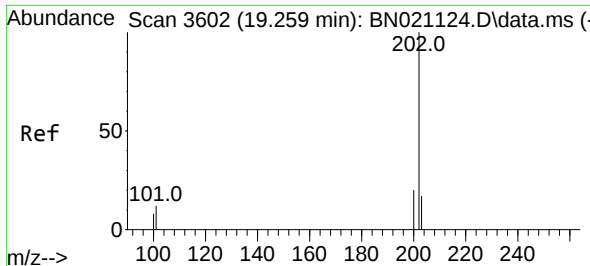
Tgt Ion:178 Resp: 5513  
Ion Ratio Lower Upper  
178 100  
179 16.3 12.8 19.2  
176 20.1 15.9 23.9



#16  
Anthracene  
Concen: 0.145 ng/ul  
RT: 17.336 min Scan# 3163  
Delta R.T. 0.014 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

Tgt Ion:178 Resp: 4255  
Ion Ratio Lower Upper  
178 100  
179 17.9 12.9 19.3  
176 20.8 15.9 23.9

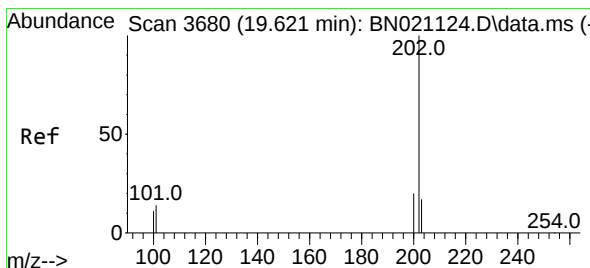
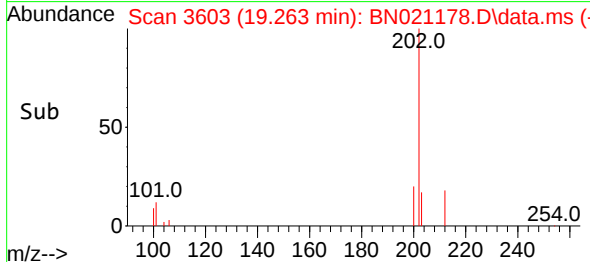
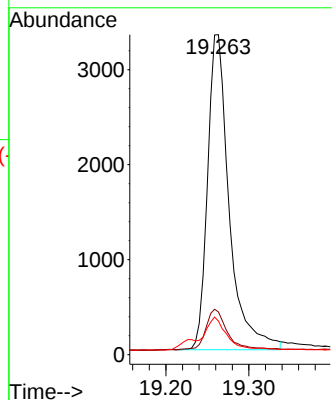
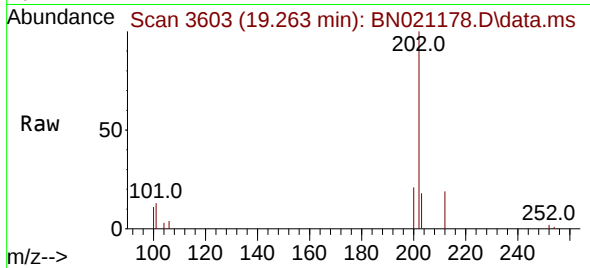




#19  
Fluoranthene  
Concen: 0.192 ng/u1  
RT: 19.263 min Scan# 3603  
Delta R.T. 0.001 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

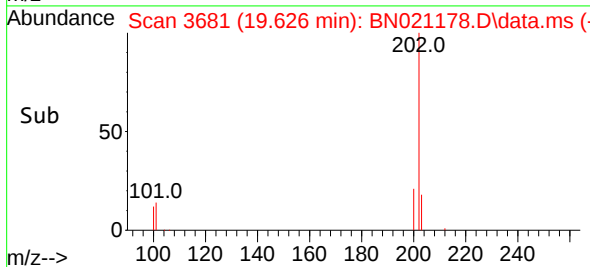
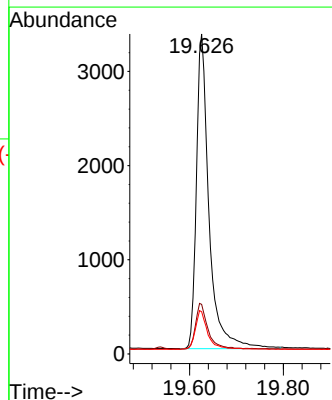
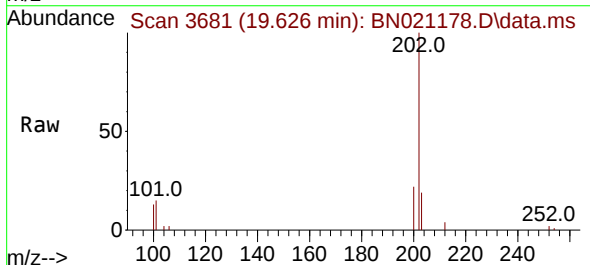
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BNA\_N  
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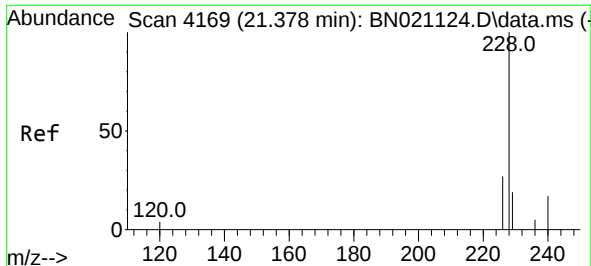
Tgt Ion:202 Resp: 6031  
Ion Ratio Lower Upper  
202 100  
101 13.4 10.0 15.0  
100 10.5 8.0 12.0



#20  
Pyrene  
Concen: 0.192 ng/u1  
RT: 19.626 min Scan# 3681  
Delta R.T. 0.001 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

Tgt Ion:202 Resp: 6236  
Ion Ratio Lower Upper  
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101 15.5 11.3 16.9  
100 13.2 9.0 13.4

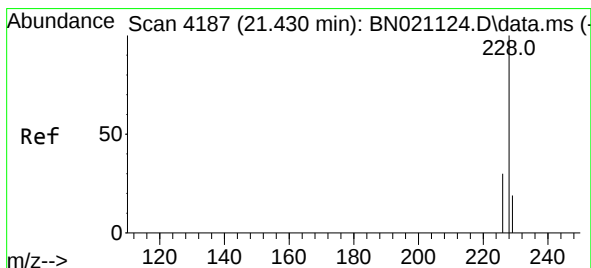
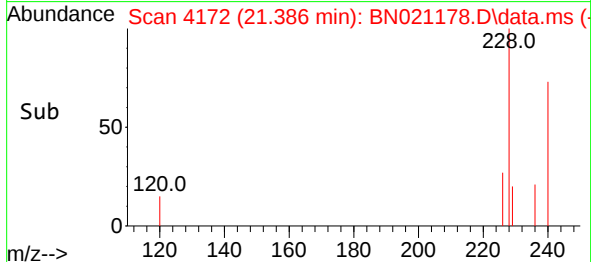
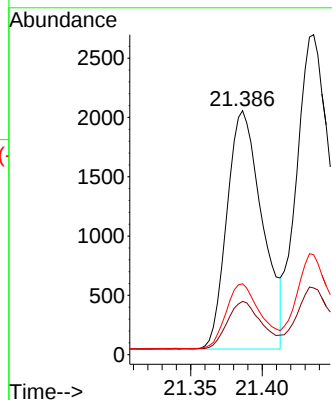
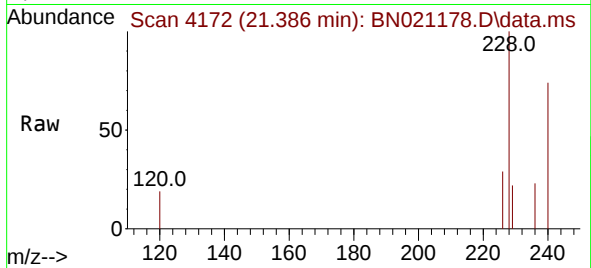




#21  
Benzo(a)anthracene  
Concen: 0.149 ng/ul  
RT: 21.386 min Scan# 4169  
Delta R.T. -0.000 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

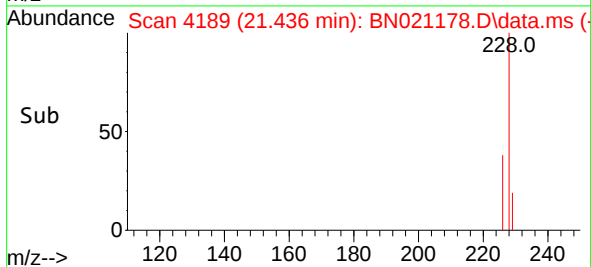
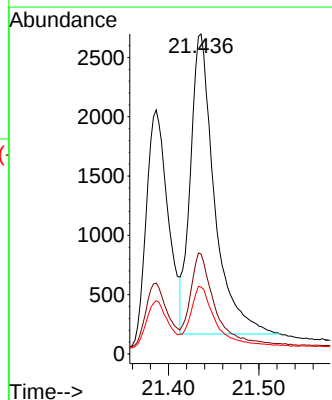
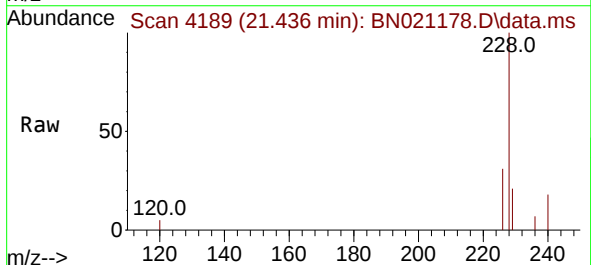
Instrument :  
BNA\_N  
ClientSampleId :

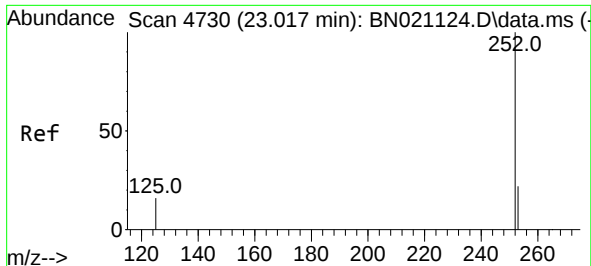
Tgt Ion:228 Resp: 3464  
Ion Ratio Lower Upper  
228 100  
229 21.8 16.0 24.0  
226 29.1 21.9 32.9



#22  
Chrysene  
Concen: 0.153 ng/ul  
RT: 21.436 min Scan# 4189  
Delta R.T. -0.006 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

Tgt Ion:228 Resp: 4676  
Ion Ratio Lower Upper  
228 100  
226 31.2 24.6 37.0  
229 20.9 15.8 23.8

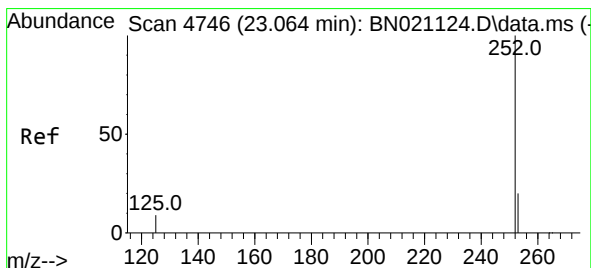
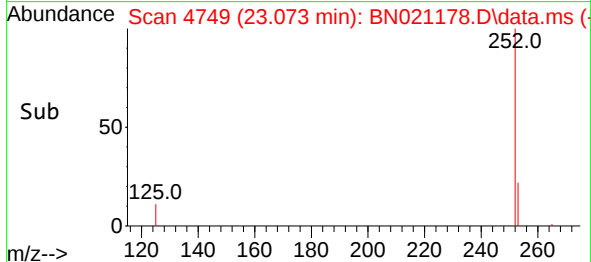
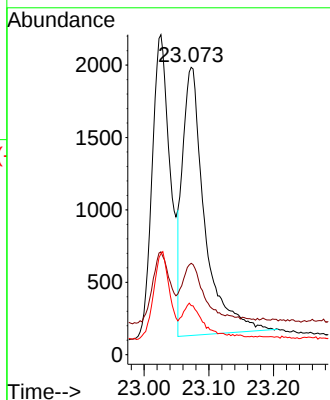
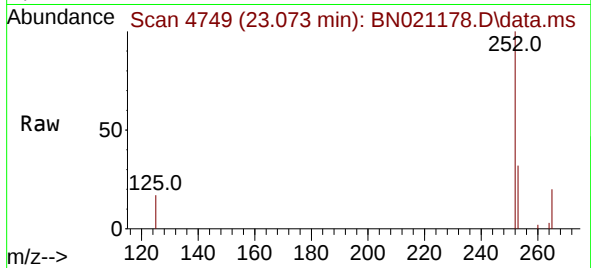




#24  
Benzo(b)fluoranthene  
Concen: 0.168 ng/ul  
RT: 23.073 min Scan# 4749  
Delta R.T. 0.043 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

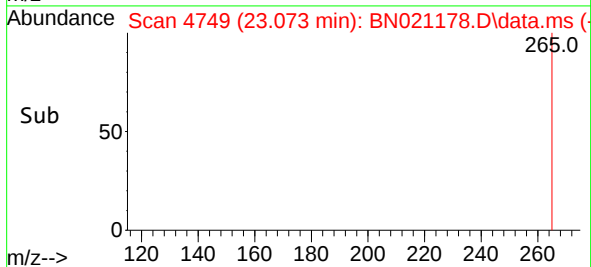
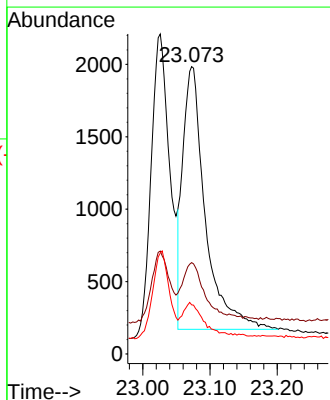
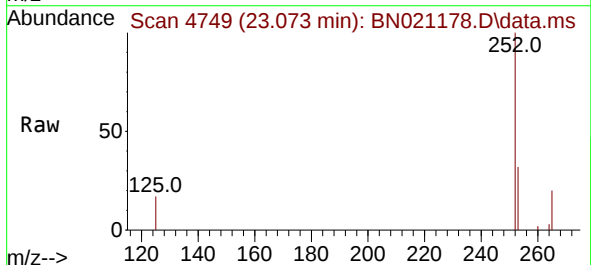
Instrument :  
BNA\_N  
ClientSampleId :

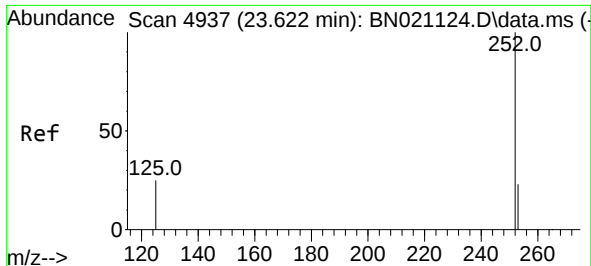
Tgt Ion:252 Resp: 4414  
Ion Ratio Lower Upper  
252 100  
253 31.8 0.0 50.8  
125 17.1 0.0 30.0



#25  
Benzo(k)fluoranthene  
Concen: 0.153 ng/ul  
RT: 23.073 min Scan# 4749  
Delta R.T. -0.003 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

Tgt Ion:252 Resp: 4235  
Ion Ratio Lower Upper  
252 100  
253 31.8 20.6 31.0#  
125 17.1 11.8 17.6

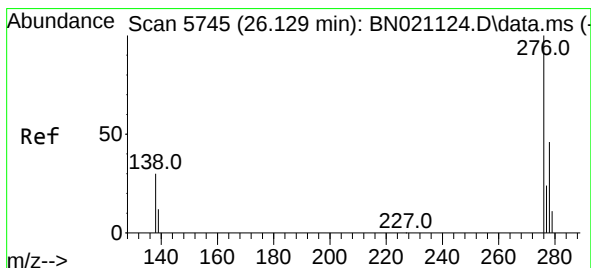
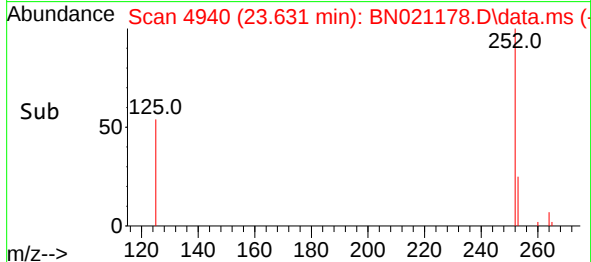
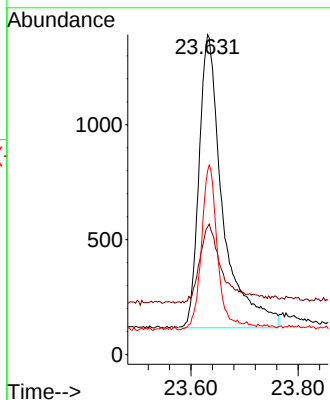
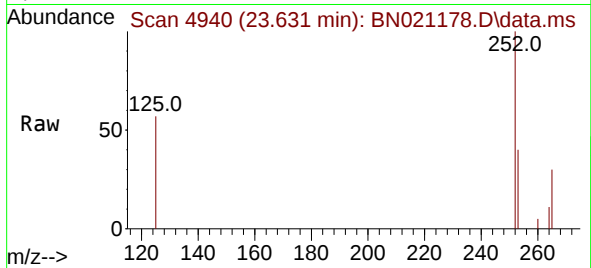




#26  
Benzo(a)pyrene  
Concen: 0.163 ng/ul  
RT: 23.631 min Scan# 4937  
Delta R.T. -0.003 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

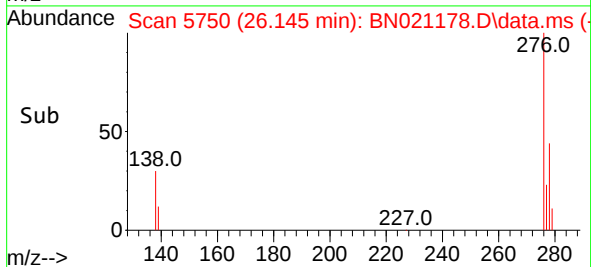
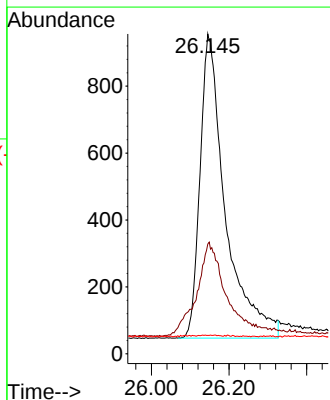
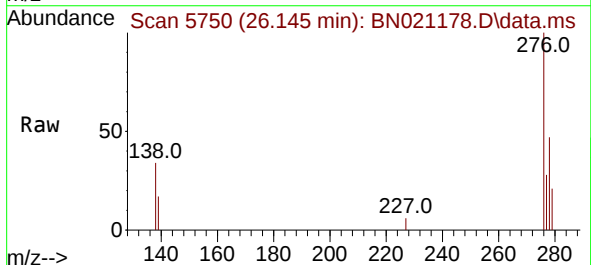
Instrument :  
BNA\_N  
ClientSampleId :

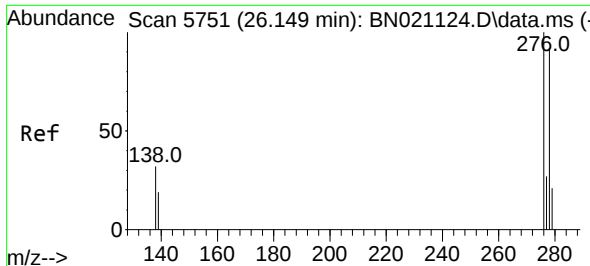
Tgt Ion:252 Resp: 3914  
Ion Ratio Lower Upper  
252 100  
253 39.9 22.1 33.1#  
125 57.5 14.7 22.1#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.143 ng/ul  
RT: 26.145 min Scan# 5750  
Delta R.T. -0.004 min  
Lab File: BN021178.D  
Acq: 12 Aug 2022 17:13

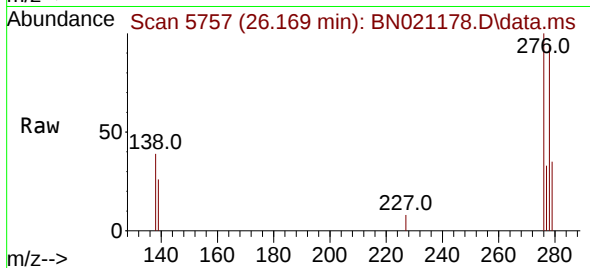
Tgt Ion:276 Resp: 4112  
Ion Ratio Lower Upper  
276 100  
138 37.1 26.1 39.1  
227 0.4 0.1 0.1#



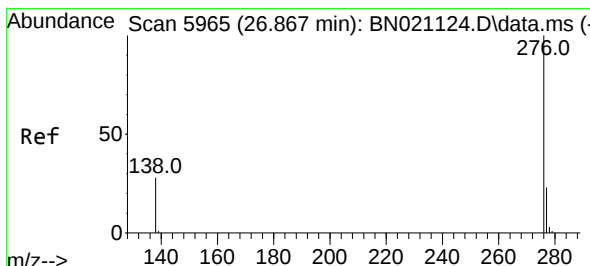
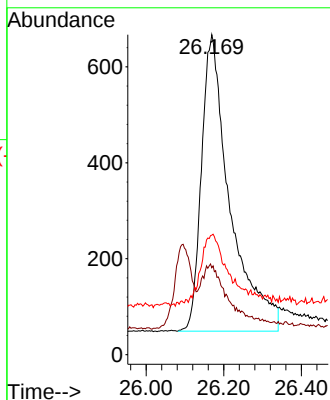
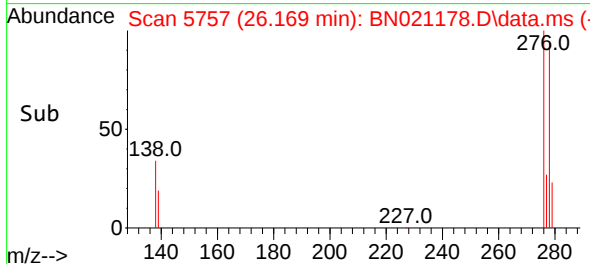


#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.139 ng/ul  
 RT: 26.169 min Scan# 51  
 Delta R.T. 0.003 min  
 Lab File: BN021178.D  
 Acq: 12 Aug 2022 17:13

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:278 Resp: 3151  
 Ion Ratio Lower Upper  
 278 100  
 139 27.1 18.3 27.5  
 279 37.3 23.9 35.9#



#29  
 Benzo(g,h,i)perylene  
 Concen: 0.149 ng/ul  
 RT: 26.880 min Scan# 5969  
 Delta R.T. -0.007 min  
 Lab File: BN021178.D  
 Acq: 12 Aug 2022 17:13

Tgt Ion:276 Resp: 3812  
 Ion Ratio Lower Upper  
 276 100  
 138 32.9 22.6 34.0  
 277 28.2 20.2 30.2

