

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
 Data File : BN019873.D  
 Acq On : 20 May 2022 17:40  
 Operator : CG/JU  
 Sample : N2843-12  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW4J2

Quant Time: May 21 01:53:48 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

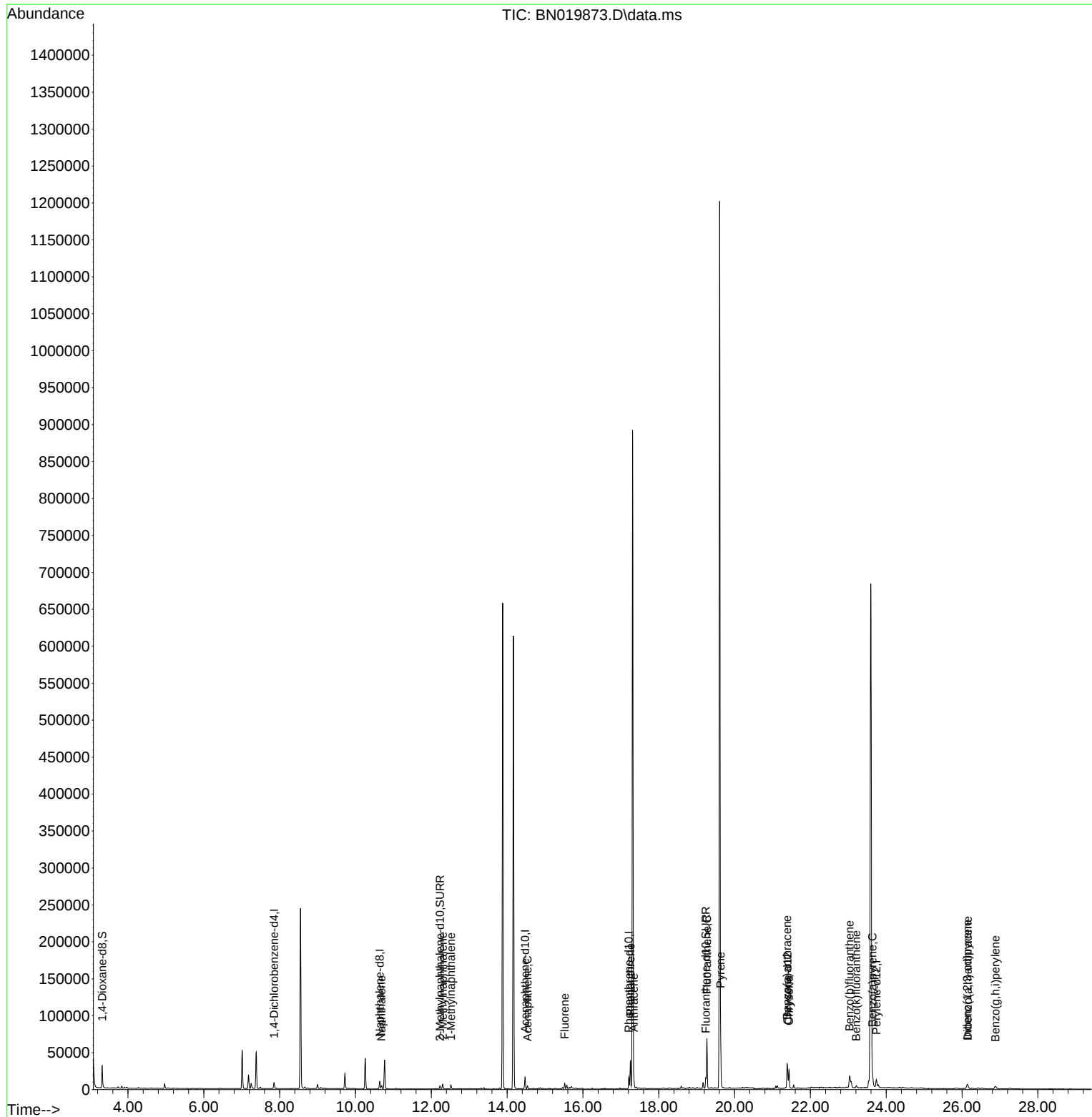
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.851  | 152  | 4126     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.638 | 136  | 13802    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.473 | 164  | 8791     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.211 | 188  | 19396    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.400 | 240  | 18014    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.741 | 264  | 15392    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.319  | 96   | 19666    | 4.027 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.227 | 152  | 5829     | 0.279 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.242 | 212  | 15986    | 0.280 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.687 | 128  | 6482     | 0.145 | ng/ul  | 98       |
| 7) 2-Methylnaphthalene      | 12.304 | 142  | 4847     | 0.178 | ng/ul# | 100      |
| 8) 1-Methylnaphthalene      | 12.519 | 142  | 3784     | 0.150 | ng/ul# | 100      |
| 11) Acenaphthene            | 14.538 | 153  | 2633     | 0.075 | ng/ul  | 98       |
| 12) Fluorene                | 15.518 | 166  | 4304     | 0.112 | ng/ul# | 94       |
| 15) Phenanthrene            | 17.254 | 178  | 41359    | 0.580 | ng/ul  | 100      |
| 16) Anthracene              | 17.342 | 178  | 9705     | 0.167 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.270 | 202  | 58096    | 0.705 | ng/ul  | 99       |
| 20) Pyrene                  | 19.632 | 202  | 50454    | 0.613 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.385 | 228  | 25391    | 0.377 | ng/ul  | 97       |
| 22) Chrysene                | 21.435 | 228  | 26224    | 0.331 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 23.033 | 252  | 37462    | 0.480 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 23.212 | 252  | 2244     | 0.030 | ng/ul# | 44       |
| 26) Benzo(a)pyrene          | 23.636 | 252  | 18637    | 0.280 | ng/ul# | 86       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.141 | 276  | 10241    | 0.123 | ng/ul# | 97       |
| 28) Dibenzo(a,h)anthracene  | 26.151 | 278  | 2661     | 0.038 | ng/ul# | 77       |
| 29) Benzo(g,h,i)perylene    | 26.879 | 276  | 7583     | 0.100 | ng/ul# | 91       |
| -----                       |        |      |          |       |        |          |

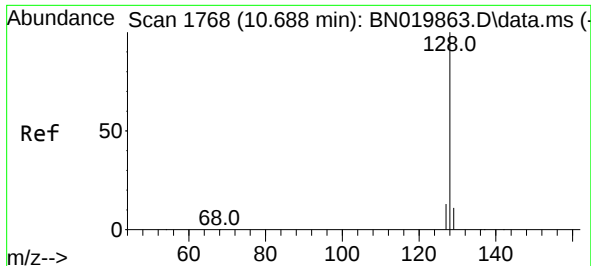
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052022\  
Data File : BN019873.D  
Acq On : 20 May 2022 17:40  
Operator : CG/JU  
Sample : N2843-12  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EW4J2

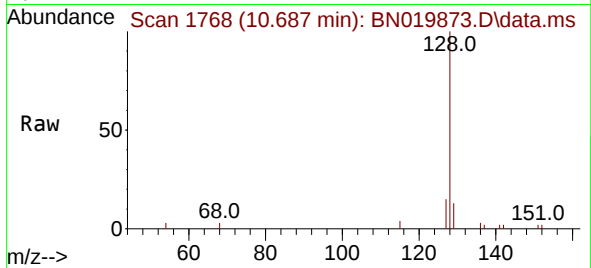
Quant Time: May 21 01:53:48 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN042922.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 17 01:41:05 2022  
Response via : Initial Calibration



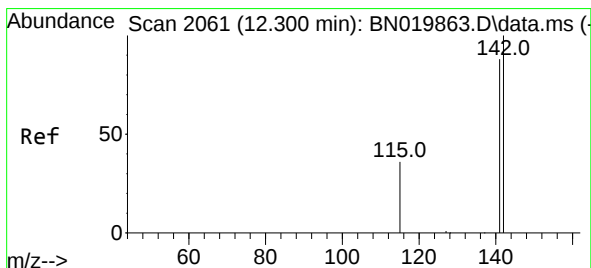
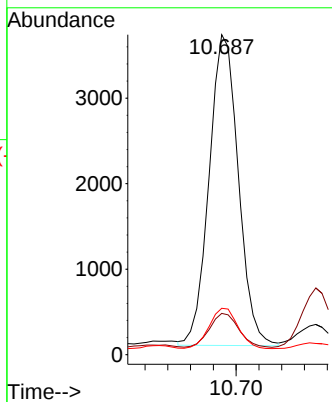
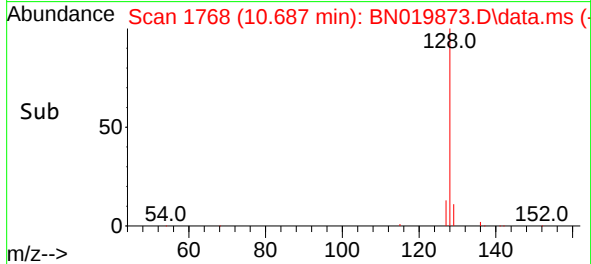


#5  
Naphthalene  
Concen: 0.145 ng/ul  
RT: 10.687 min Scan# 1768  
Delta R.T. -0.007 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

Instrument :  
BNA\_N  
ClientSampleId :  
EW4J2

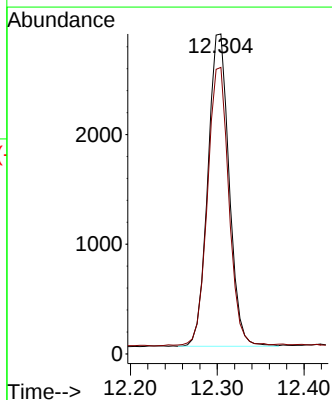
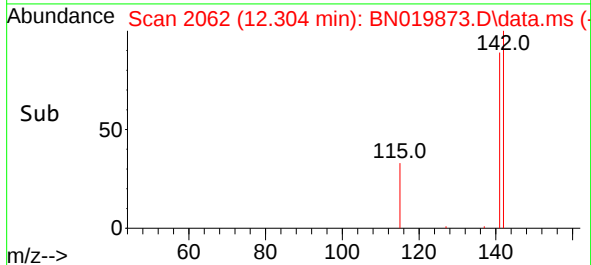
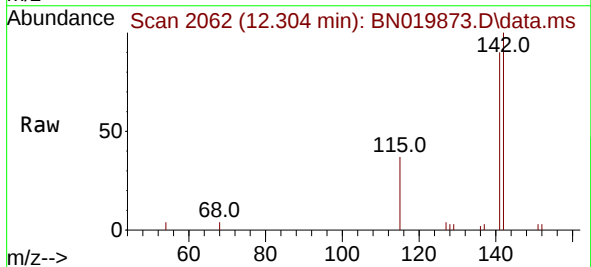


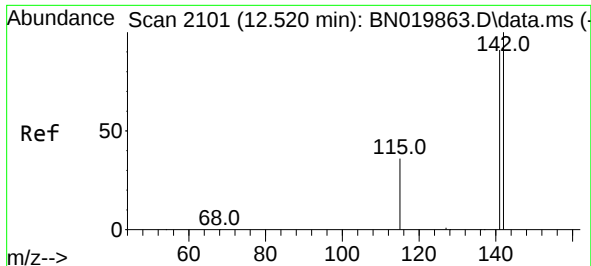
Tgt Ion:128 Resp: 6482  
Ion Ratio Lower Upper  
128 100  
129 12.9 9.5 14.3  
127 14.5 11.0 16.4



#7  
2-Methylnaphthalene  
Concen: 0.178 ng/ul  
RT: 12.304 min Scan# 2062  
Delta R.T. -0.001 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

Tgt Ion:142 Resp: 4847  
Ion Ratio Lower Upper  
142 100  
141 89.7 0.0 0.0#

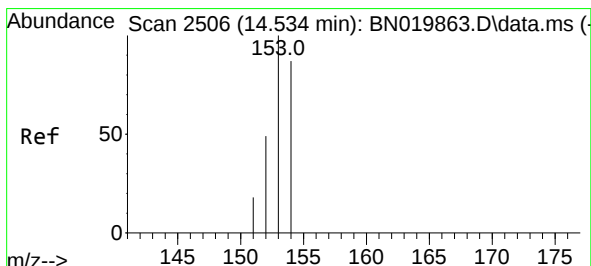
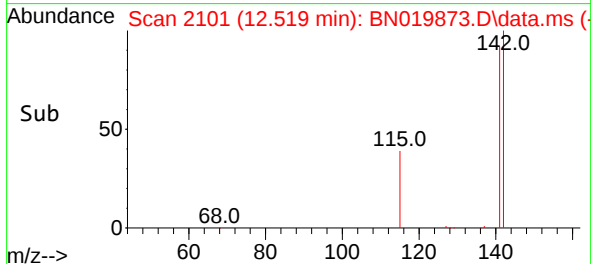
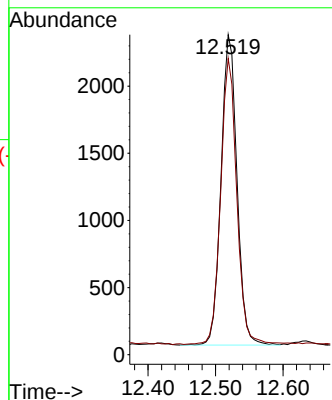
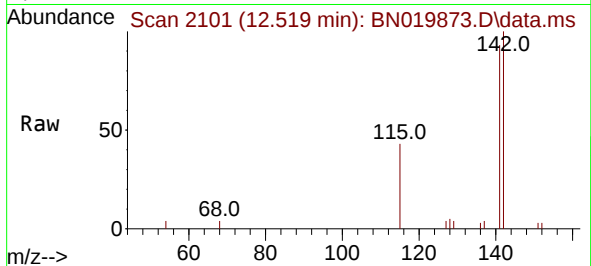




#8  
1-Methylnaphthalene  
Concen: 0.150 ng/ul  
RT: 12.519 min Scan# 2101  
Delta R.T. -0.007 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

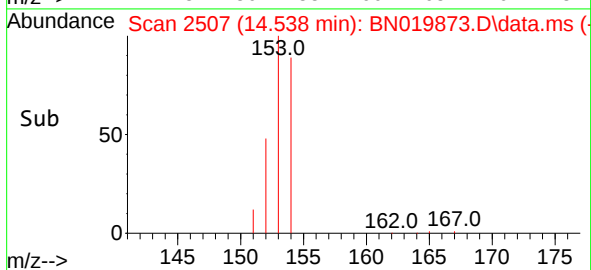
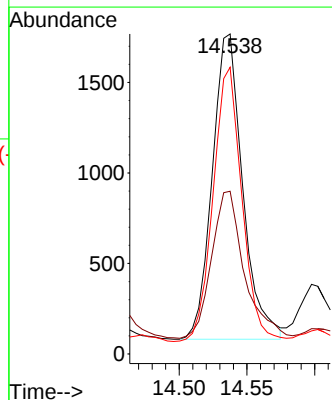
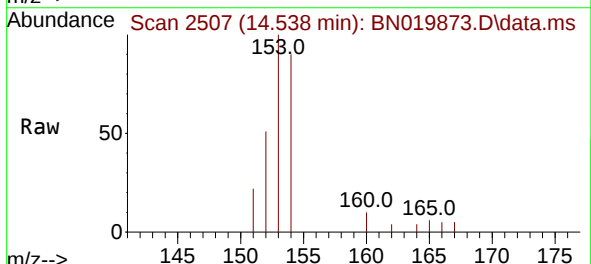
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J2

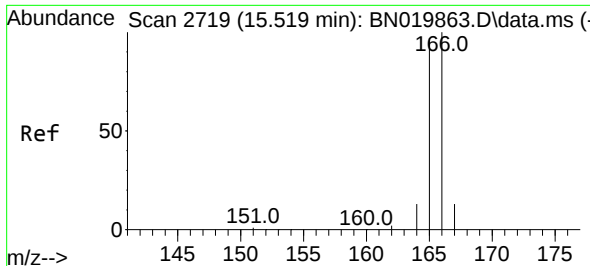
Tgt Ion:142 Resp: 3784  
Ion Ratio Lower Upper  
142 100  
141 93.0 0.0 0.0#



#11  
Acenaphthene  
Concen: 0.075 ng/ul  
RT: 14.538 min Scan# 2507  
Delta R.T. -0.001 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

Tgt Ion:153 Resp: 2633  
Ion Ratio Lower Upper  
153 100  
152 50.8 38.6 57.8  
154 89.6 71.2 106.8

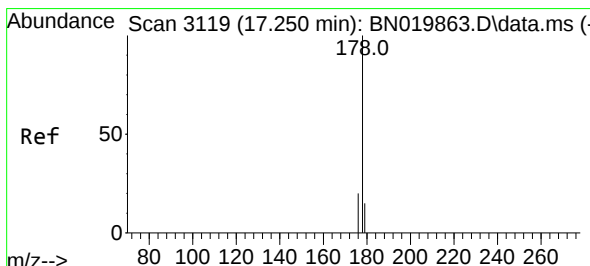
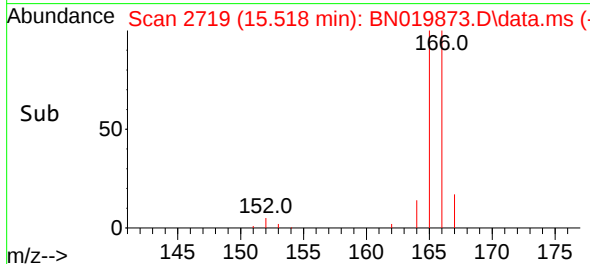
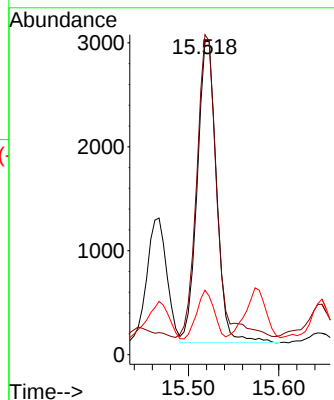
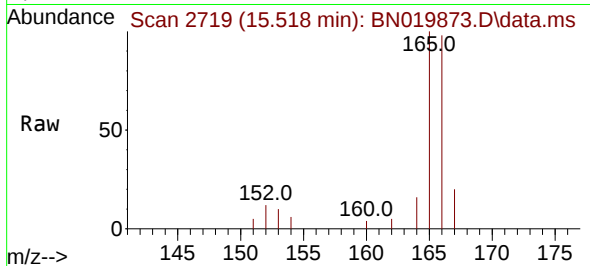




#12  
Fluorene  
Concen: 0.112 ng/ul  
RT: 15.518 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

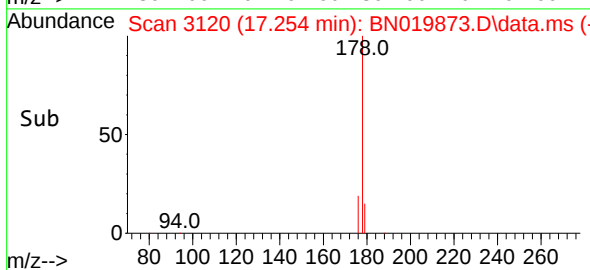
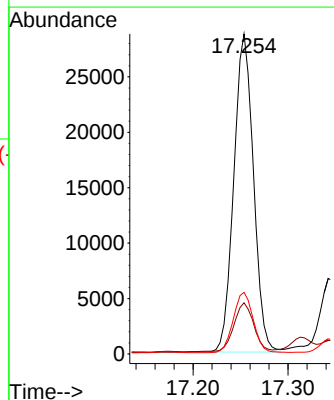
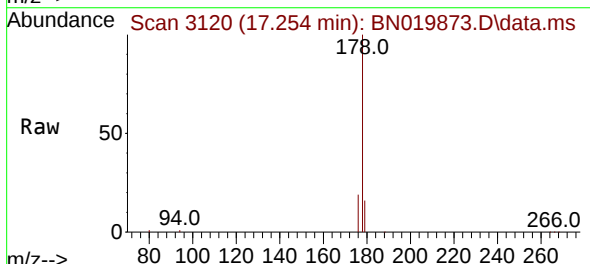
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J2

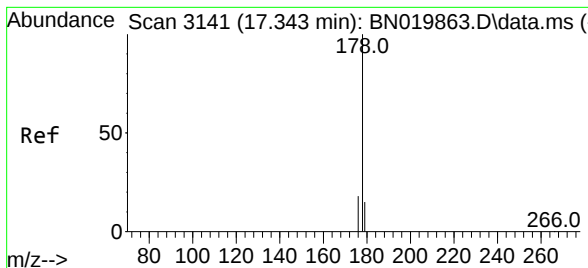
Tgt Ion:166 Resp: 4304  
Ion Ratio Lower Upper  
166 100  
165 102.2 78.2 117.2  
167 20.6 11.3 16.9#



#15  
Phenanthrene  
Concen: 0.580 ng/ul  
RT: 17.254 min Scan# 3120  
Delta R.T. -0.001 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

Tgt Ion:178 Resp: 41359  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.9 19.3  
176 19.2 15.5 23.3





#16

Anthracene

Concen: 0.167 ng/ul

RT: 17.342 min Scan# 3141

Delta R.T. -0.006 min

Lab File: BN019873.D

Acq: 20 May 2022 17:40

Instrument :

BNA\_N

ClientSampleId :

EW4J2

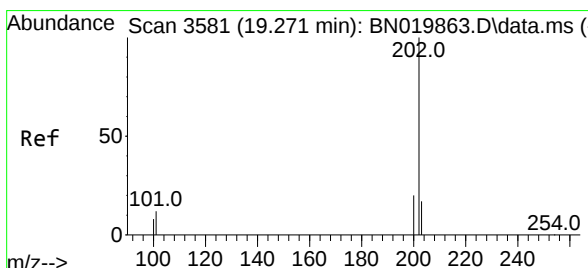
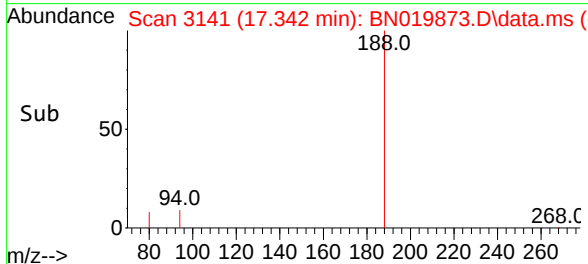
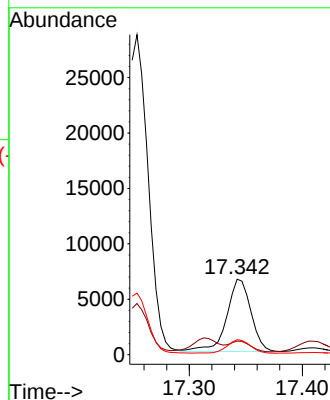
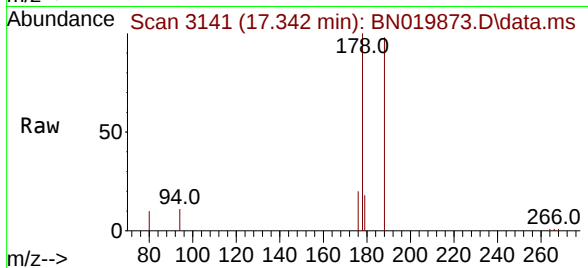
Tgt Ion:178 Resp: 9705

Ion Ratio Lower Upper

178 100

179 18.1 13.1 19.7

176 19.9 15.3 22.9



#19

Fluoranthene

Concen: 0.705 ng/ul

RT: 19.270 min Scan# 3581

Delta R.T. -0.002 min

Lab File: BN019873.D

Acq: 20 May 2022 17:40

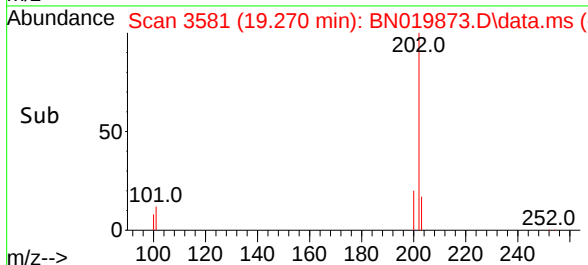
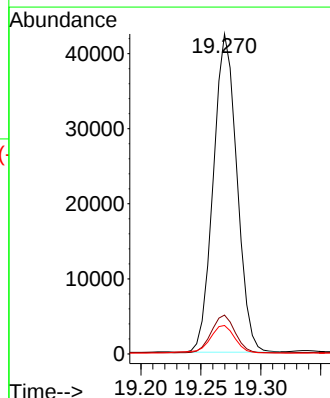
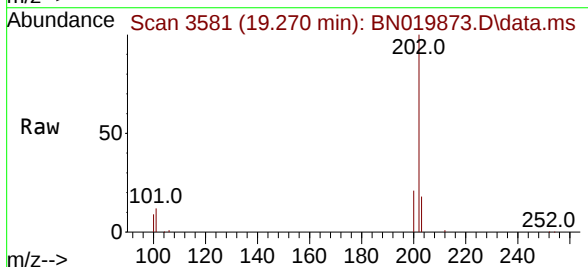
Tgt Ion:202 Resp: 58096

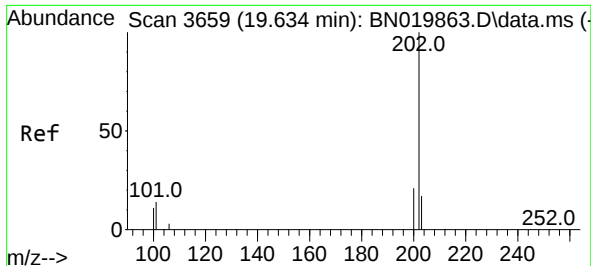
Ion Ratio Lower Upper

202 100

101 12.2 9.7 14.5

100 8.9 7.4 11.2

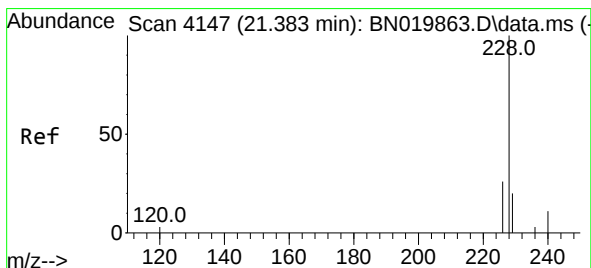
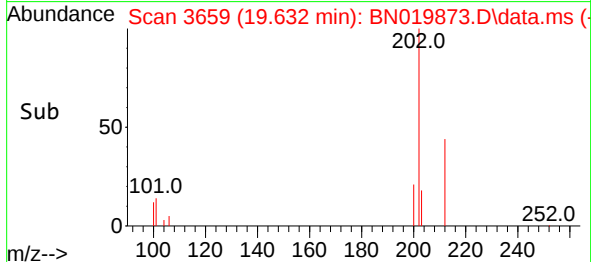
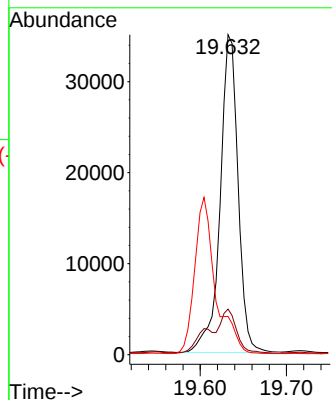
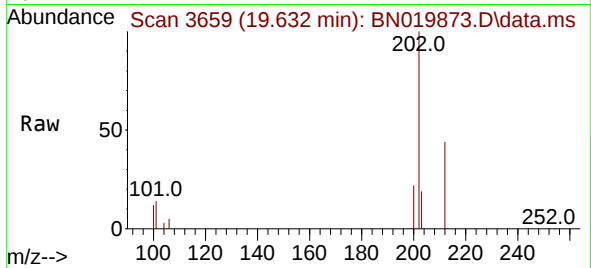




#20  
Pyrene  
Concen: 0.613 ng/ul  
RT: 19.632 min Scan# 30  
Delta R.T. -0.002 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

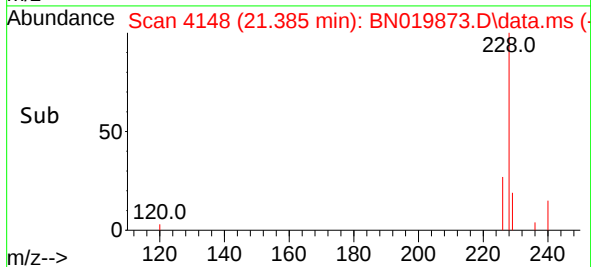
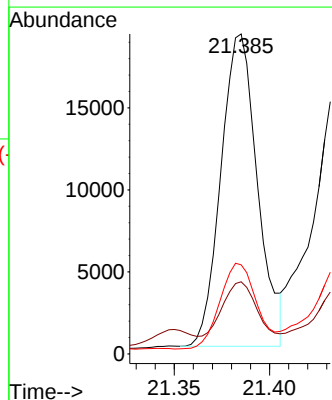
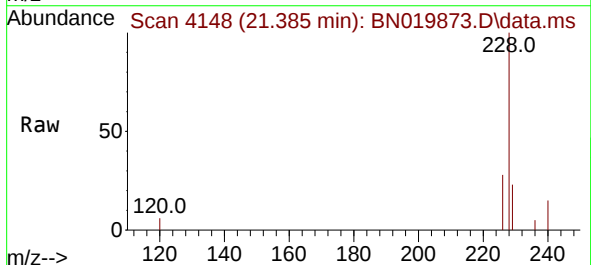
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J2

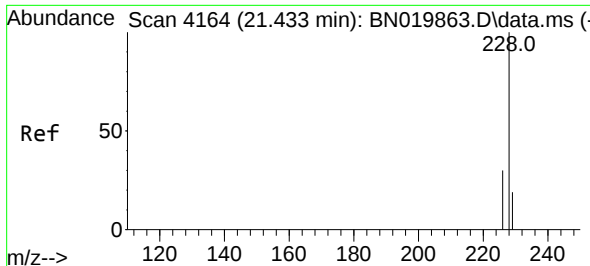
Tgt Ion:202 Resp: 50454  
Ion Ratio Lower Upper  
202 100  
101 14.2 11.4 17.0  
100 12.0 9.0 13.4



#21  
Benzo(a)anthracene  
Concen: 0.377 ng/ul  
RT: 21.385 min Scan# 4148  
Delta R.T. -0.003 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

Tgt Ion:228 Resp: 25391  
Ion Ratio Lower Upper  
228 100  
229 22.6 16.1 24.1  
226 27.9 22.1 33.1





#22

Chrysene

Concen: 0.331 ng/ul

RT: 21.435 min Scan# 41

Delta R.T. -0.006 min

Lab File: BN019873.D

Acq: 20 May 2022 17:40

Instrument :

BNA\_N

ClientSampleId :

EW4J2

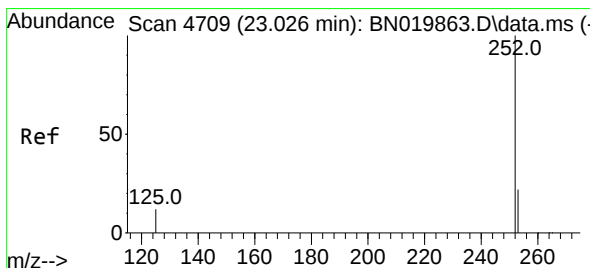
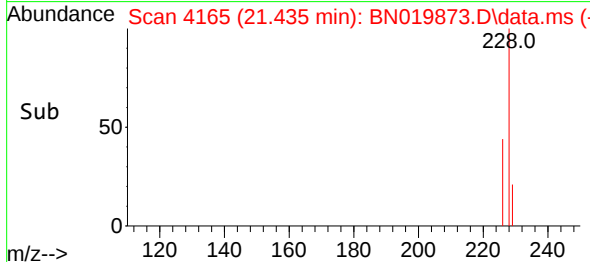
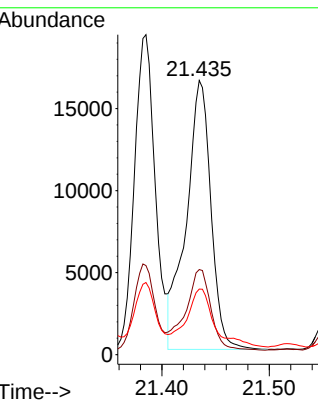
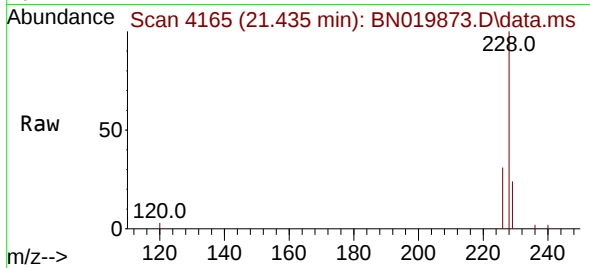
Tgt Ion:228 Resp: 26224

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 23.9 16.0 24.0



#24

Benzo(b)fluoranthene

Concen: 0.480 ng/ul

RT: 23.033 min Scan# 4712

Delta R.T. -0.000 min

Lab File: BN019873.D

Acq: 20 May 2022 17:40

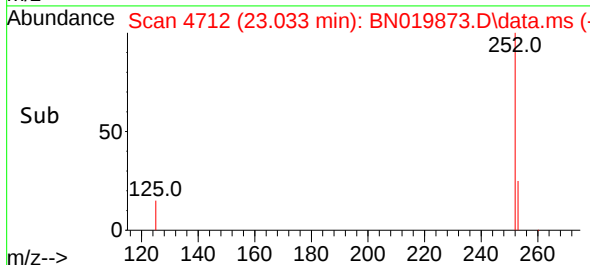
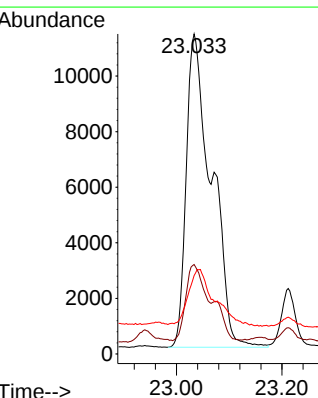
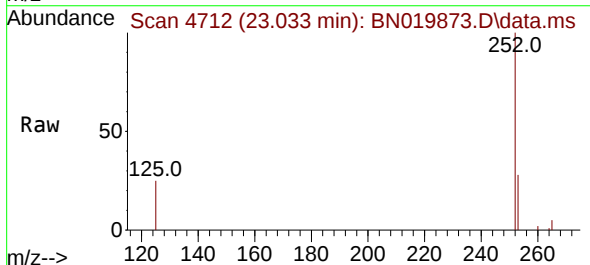
Tgt Ion:252 Resp: 37462

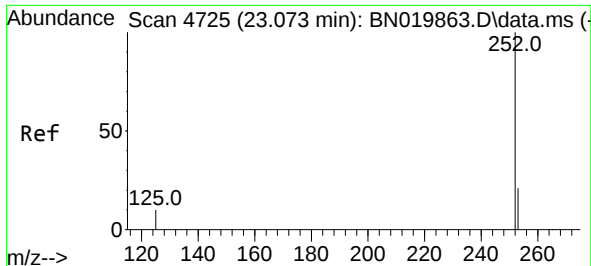
Ion Ratio Lower Upper

252 100

253 27.9 0.0 52.0

125 24.5 0.0 40.2

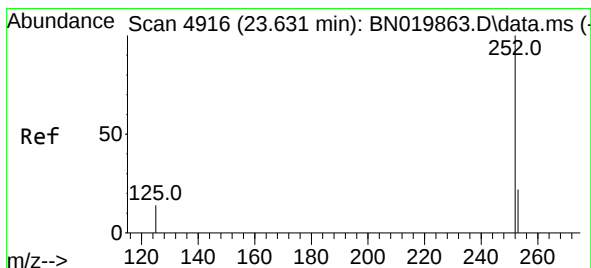
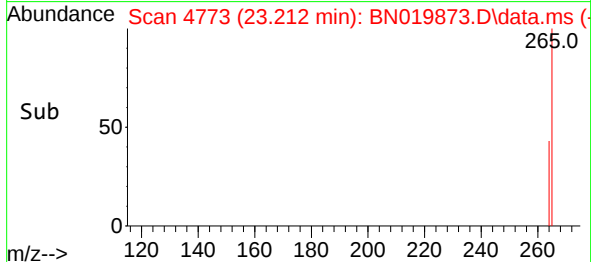
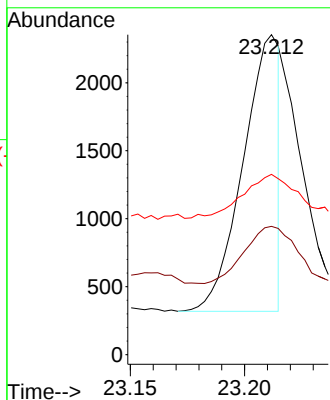
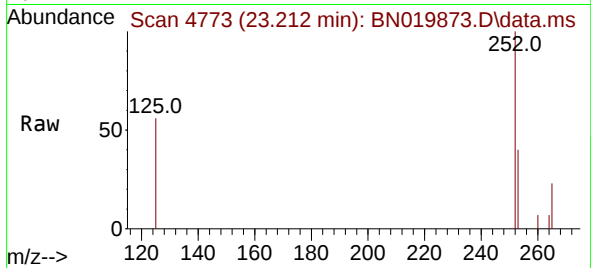




#25  
Benzo(k)fluoranthene  
Concen: 0.030 ng/u1  
RT: 23.212 min Scan# 41  
Delta R.T. 0.132 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

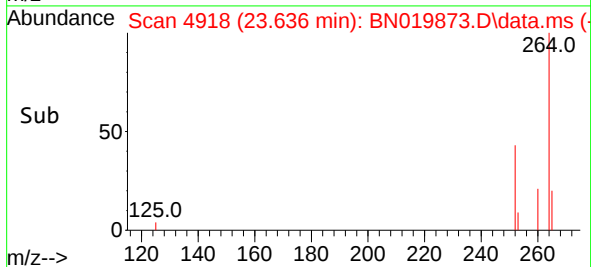
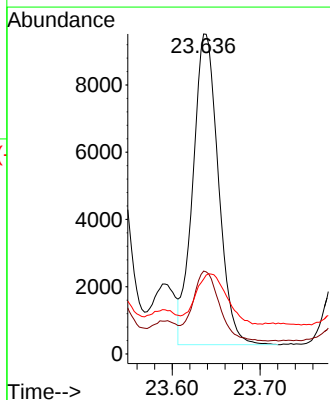
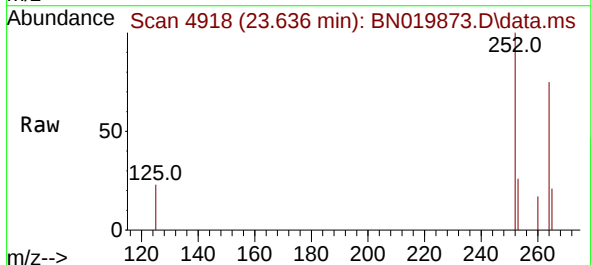
Instrument :  
BNA\_N  
ClientSampleId :  
EW4J2

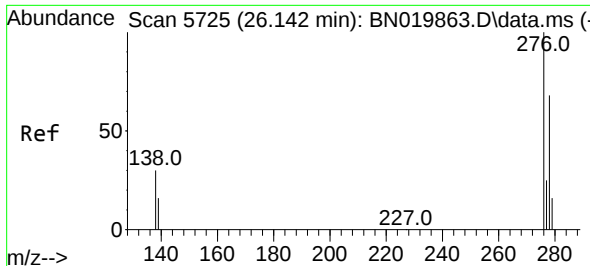
Tgt Ion:252 Resp: 2244  
Ion Ratio Lower Upper  
252 100  
253 40.1 20.2 30.2#  
125 56.3 11.0 16.6#



#26  
Benzo(a)pyrene  
Concen: 0.280 ng/u1  
RT: 23.636 min Scan# 4918  
Delta R.T. -0.003 min  
Lab File: BN019873.D  
Acq: 20 May 2022 17:40

Tgt Ion:252 Resp: 18637  
Ion Ratio Lower Upper  
252 100  
253 25.9 23.4 35.0  
125 23.4 28.3 42.5#

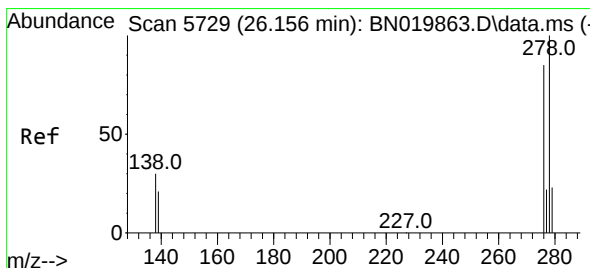
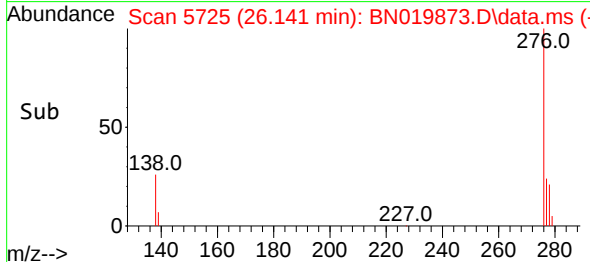
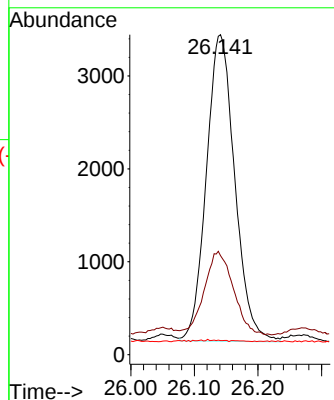
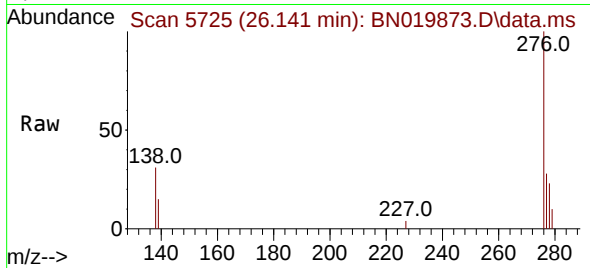




#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.123 ng/ul  
 RT: 26.141 min Scan# 5725  
 Delta R.T. -0.007 min  
 Lab File: BN019873.D  
 Acq: 20 May 2022 17:40

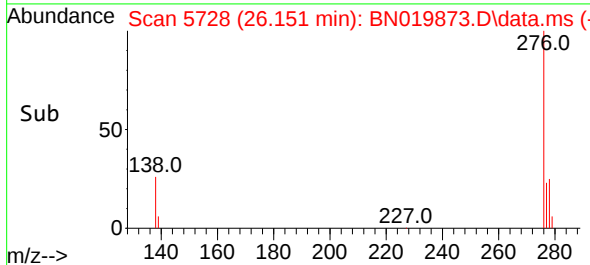
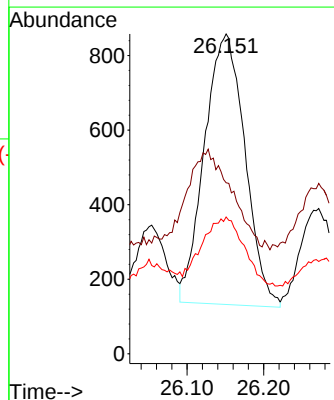
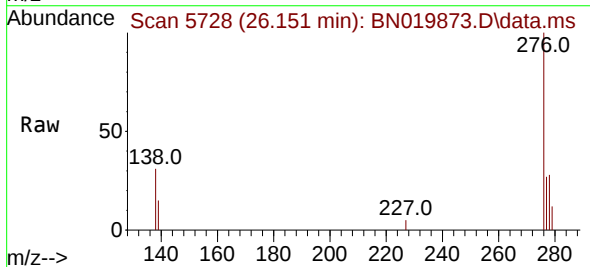
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW4J2

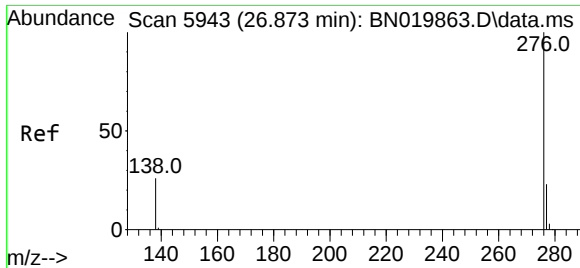
Tgt Ion:276 Resp: 10241  
 Ion Ratio Lower Upper  
 276 100  
 138 27.8 23.6 35.4  
 227 0.0 0.0 0.0



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.038 ng/ul  
 RT: 26.151 min Scan# 5728  
 Delta R.T. -0.013 min  
 Lab File: BN019873.D  
 Acq: 20 May 2022 17:40

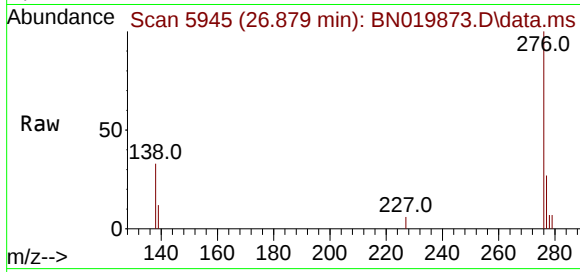
Tgt Ion:278 Resp: 2661  
 Ion Ratio Lower Upper  
 278 100  
 139 53.5 18.6 28.0#  
 279 42.8 35.1 52.7





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.100 ng/ul  
 RT: 26.879 min Scan# 5945  
 Delta R.T. -0.000 min  
 Lab File: BN019873.D  
 Acq: 20 May 2022 17:40

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EW4J2



Tgt Ion:276 Resp: 7583  
 Ion Ratio Lower Upper  
 276 100  
 138 33.0 20.9 31.3#  
 277 27.3 20.4 30.6

