

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071423\  
 Data File : BN026505.D  
 Acq On : 14 Jul 2023 18:13  
 Operator : MA/JU  
 Sample : 03418-08  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 15 01:55:09 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 15 01:53:23 2023  
 Response via : Initial Calibration

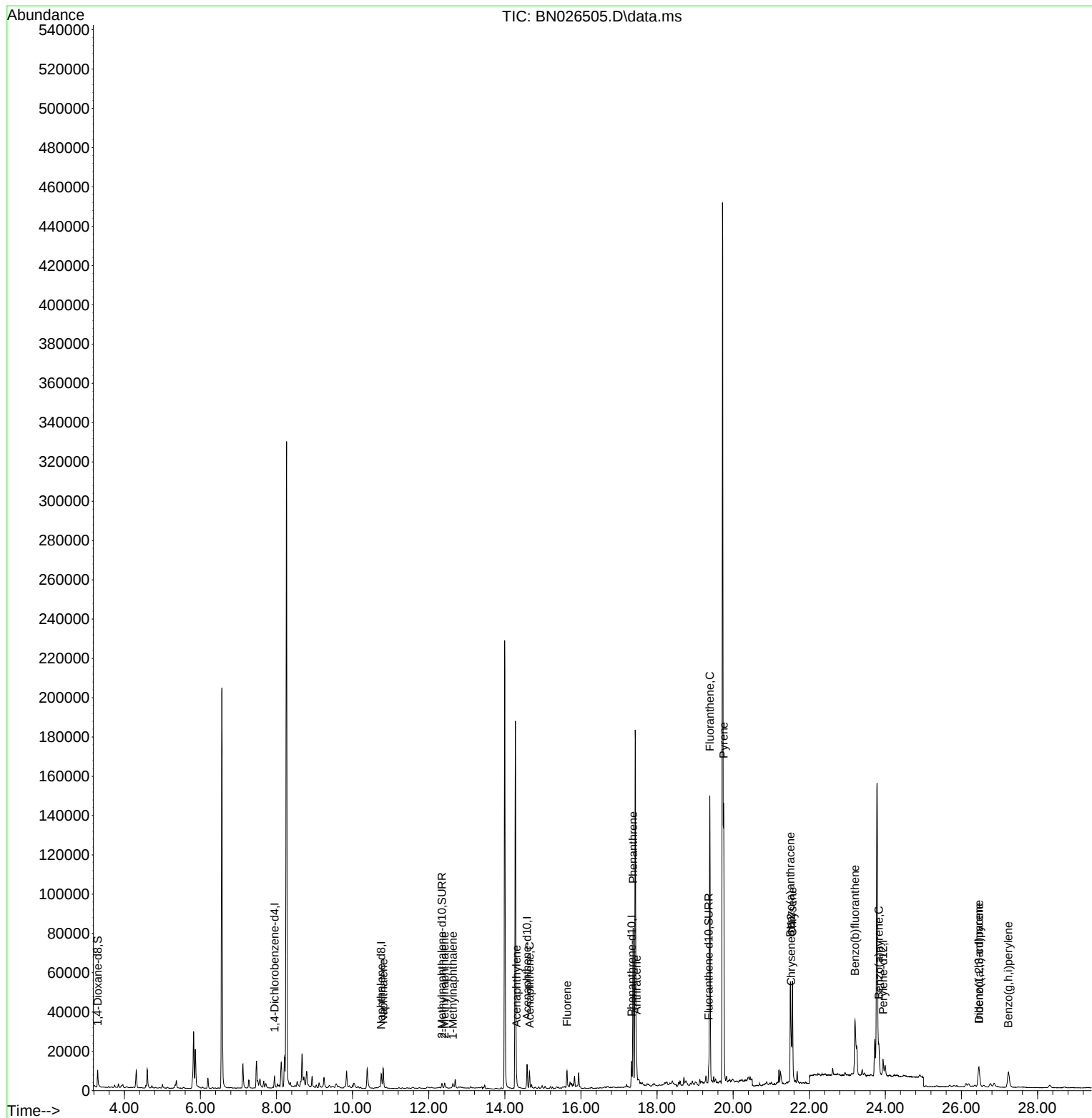
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.946  | 152  | 3367     | 0.400 | ng/ul  | -0.01    |
| 4) Naphthalene-d8           | 10.752 | 136  | 10774    | 0.400 | ng/ul  | # 0.00   |
| 9) Acenaphthene-d10         | 14.583 | 164  | 7080     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.329 | 188  | 16440    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.522 | 240  | 13725    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.939 | 264  | 12378    | 0.400 | ng/ul  | # 0.00   |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.301  | 96   | 5882     | 1.326 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.347 | 152  | 3594     | 0.245 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.358 | 212  | 10543    | 0.222 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.802 | 128  | 14872    | 0.503 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.419 | 142  | 2168     | 0.129 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.639 | 142  | 1719     | 0.096 | ng/ul  | 96       |
| 10) Acenaphthylene          | 14.306 | 152  | 2190     | 0.063 | ng/ul# | 72       |
| 11) Acenaphthene            | 14.648 | 153  | 5092     | 0.193 | ng/ul  | 98       |
| 12) Fluorene                | 15.634 | 166  | 5987     | 0.216 | ng/ul  | 98       |
| 15) Phenanthrene            | 17.372 | 178  | 84978    | 1.623 | ng/ul  | 97       |
| 16) Anthracene              | 17.465 | 178  | 8835     | 0.194 | ng/ul  | 96       |
| 19) Fluoranthene            | 19.386 | 202  | 137107   | 2.131 | ng/ul  | 97       |
| 20) Pyrene                  | 19.748 | 202  | 122310   | 1.751 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.505 | 228  | 46689    | 0.926 | ng/ul  | 97       |
| 22) Chrysene                | 21.557 | 228  | 54419    | 0.948 | ng/ul  | 97       |
| 24) Benzo(b)fluoranthene    | 23.203 | 252  | 73175    | 1.517 | ng/ul  | 91       |
| 26) Benzo(a)pyrene          | 23.831 | 252  | 22341    | 0.520 | ng/ul# | 88       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.459 | 276  | 19644    | 0.349 | ng/ul# | 78       |
| 28) Dibenzo(a,h)anthracene  | 26.463 | 278  | 4620     | 0.107 | ng/ul# | 69       |
| 29) Benzo(g,h,i)perylene    | 27.234 | 276  | 19265    | 0.388 | ng/ul# | 92       |
| -----                       |        |      |          |       |        |          |

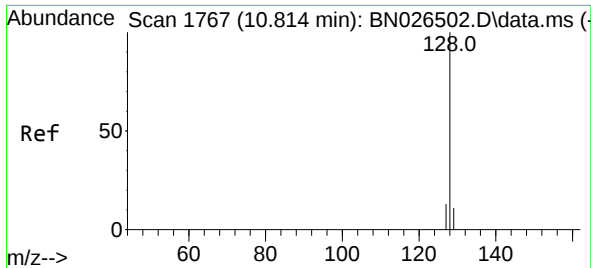
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071423\  
Data File : BN026505.D  
Acq On : 14 Jul 2023 18:13  
Operator : MA/JU  
Sample : 03418-08  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

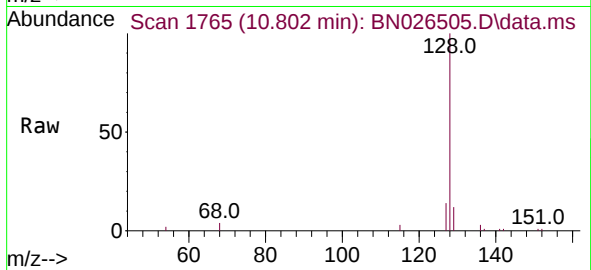
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN071223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 15 01:53:23 2023  
Response via : Initial Calibration



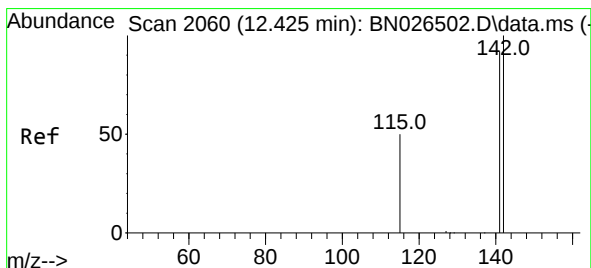
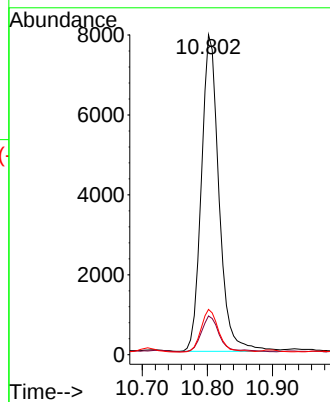
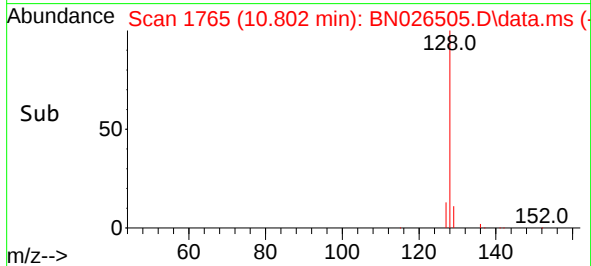


#5  
Naphthalene  
Concen: 0.503 ng/ul  
RT: 10.802 min Scan# 1765  
Delta R.T. -0.012 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

Instrument :  
BNA\_N  
ClientSampleId :

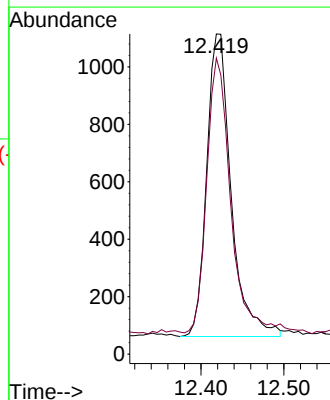
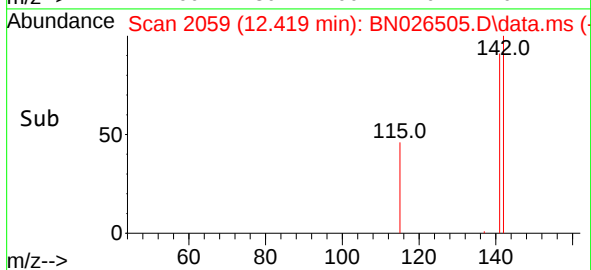
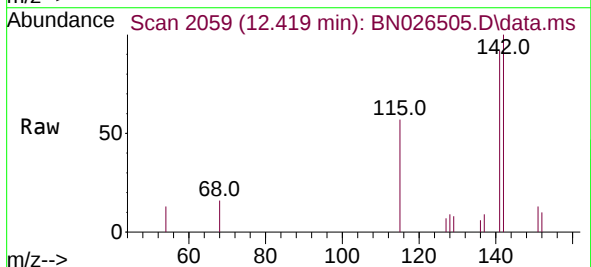


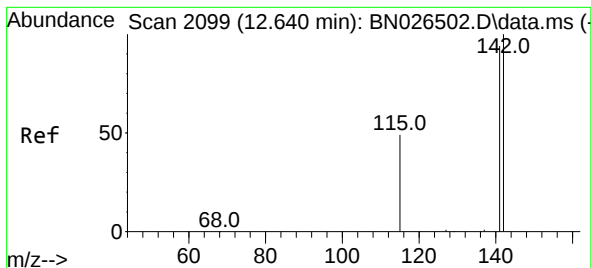
Tgt Ion:128 Resp: 14872  
Ion Ratio Lower Upper  
128 100  
129 12.1 10.2 15.2  
127 14.1 11.4 17.0



#7  
2-Methylnaphthalene  
Concen: 0.129 ng/ul  
RT: 12.419 min Scan# 2059  
Delta R.T. -0.007 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

Tgt Ion:142 Resp: 2168  
Ion Ratio Lower Upper  
142 100  
141 87.7 72.3 108.5





#8

1-Methylnaphthalene

Concen: 0.096 ng/ul

RT: 12.639 min Scan# 2099

Delta R.T. -0.001 min

Lab File: BN026505.D

Acq: 14 Jul 2023 18:13

Instrument :

BNA\_N

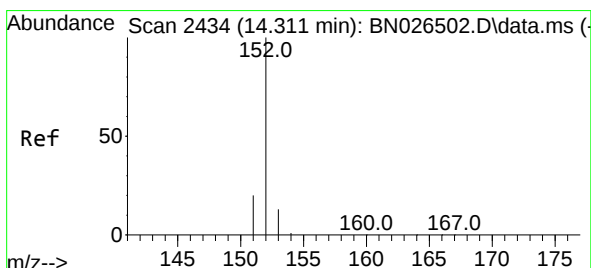
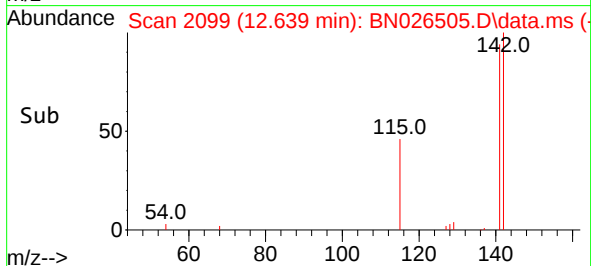
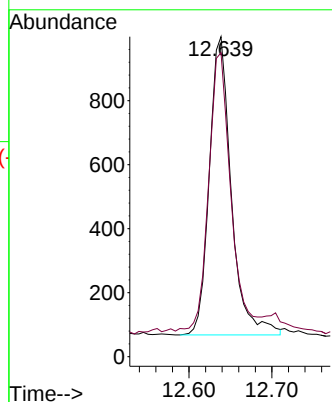
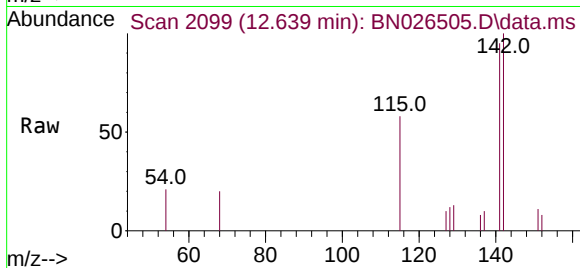
ClientSampleId :

Tgt Ion:142 Resp: 1719

Ion Ratio Lower Upper

142 100

141 97.3 74.5 111.7



#10

Acenaphthylene

Concen: 0.063 ng/ul

RT: 14.306 min Scan# 2433

Delta R.T. -0.005 min

Lab File: BN026505.D

Acq: 14 Jul 2023 18:13

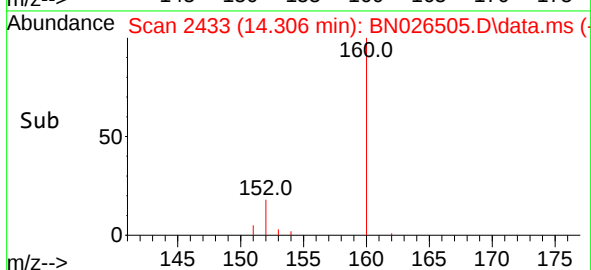
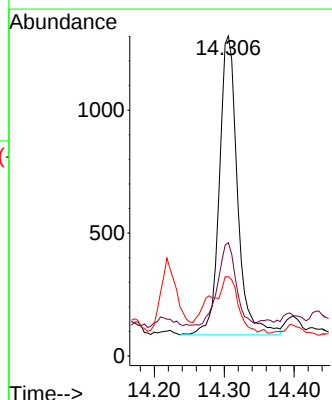
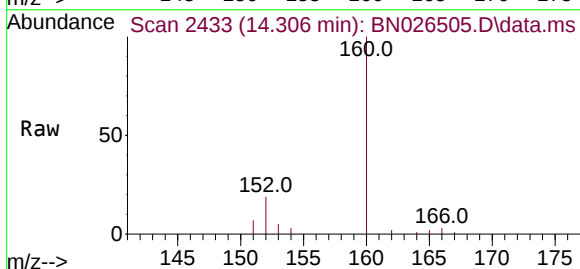
Tgt Ion:152 Resp: 2190

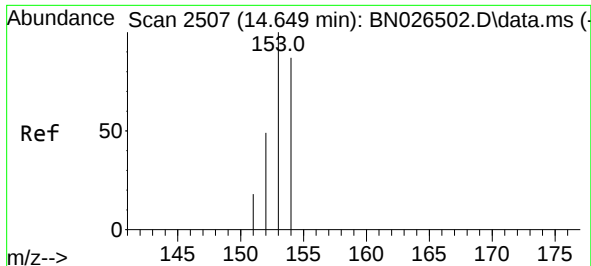
Ion Ratio Lower Upper

152 100

151 35.4 17.0 25.6#

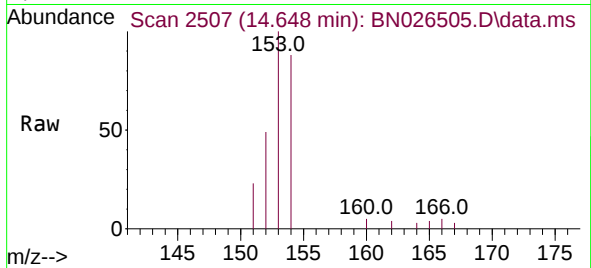
153 24.7 11.4 17.2#



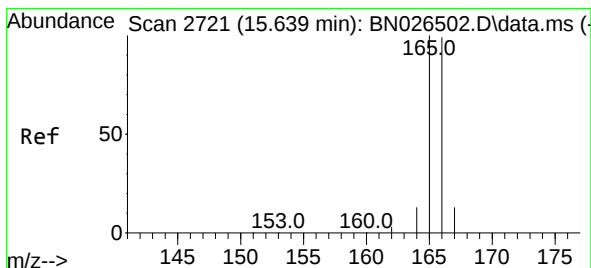
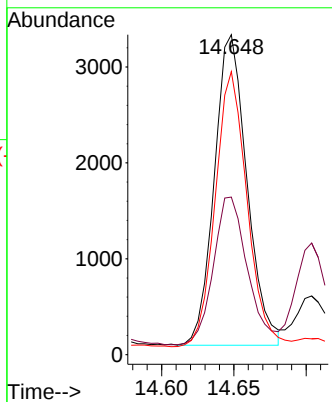
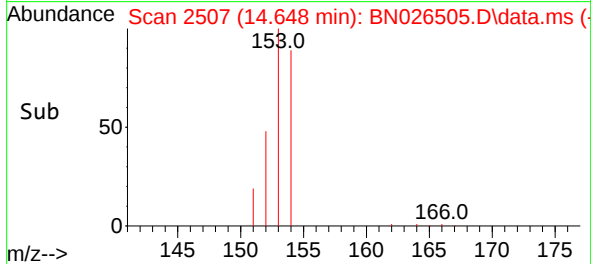


#11  
Acenaphthene  
Concen: 0.193 ng/ul  
RT: 14.648 min Scan# 21  
Delta R.T. -0.001 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

Instrument :  
BNA\_N  
ClientSampleId :

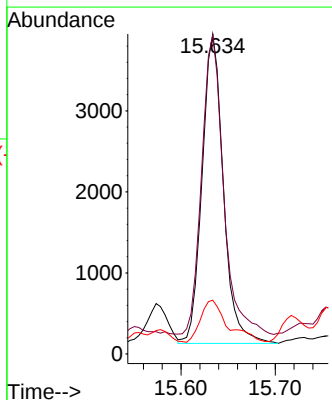
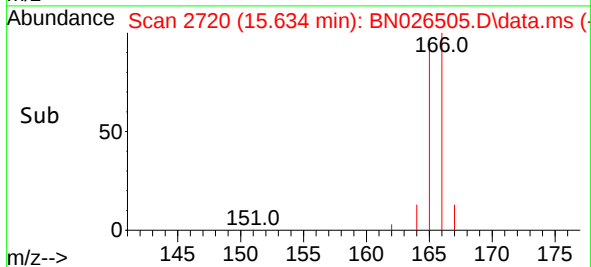
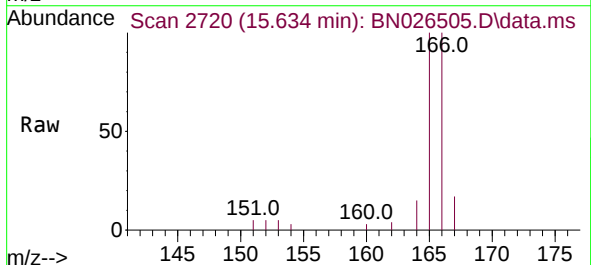


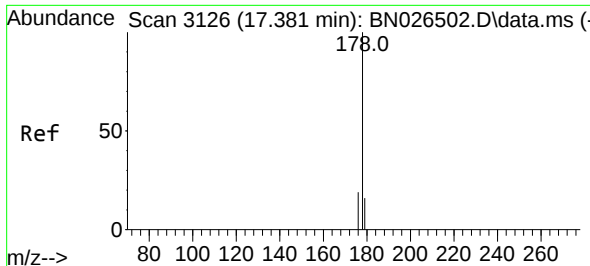
Tgt Ion:153 Resp: 5092  
Ion Ratio Lower Upper  
153 100  
152 49.2 40.2 60.4  
154 88.5 69.3 103.9



#12  
Fluorene  
Concen: 0.216 ng/ul  
RT: 15.634 min Scan# 2720  
Delta R.T. -0.005 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

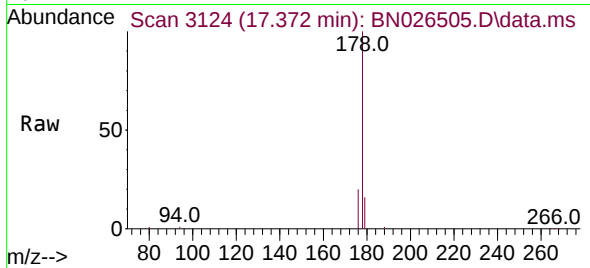
Tgt Ion:166 Resp: 5987  
Ion Ratio Lower Upper  
166 100  
165 99.6 80.6 120.8  
167 16.8 12.0 18.0



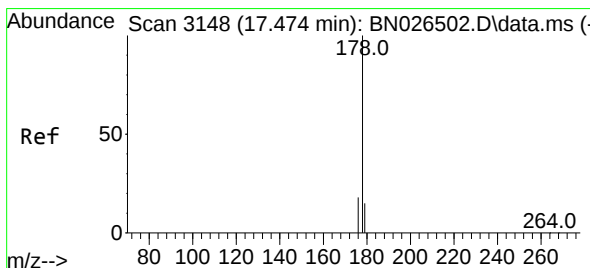
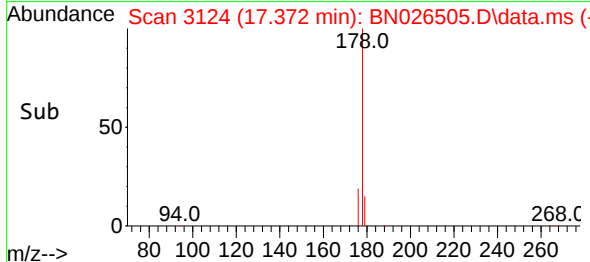
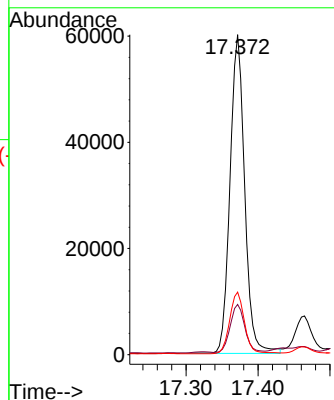


#15  
Phenanthrene  
Concen: 1.623 ng/ul  
RT: 17.372 min Scan# 3124  
Delta R.T. -0.009 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

Instrument :  
BNA\_N  
ClientSampleId :

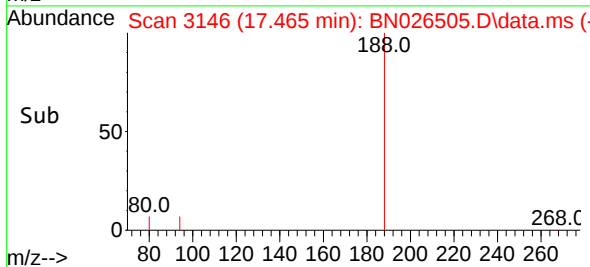
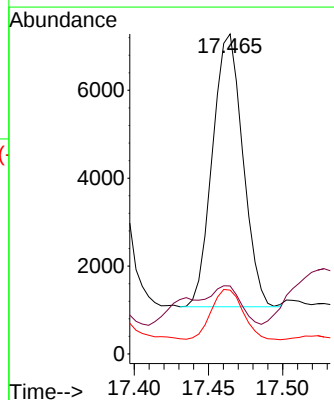
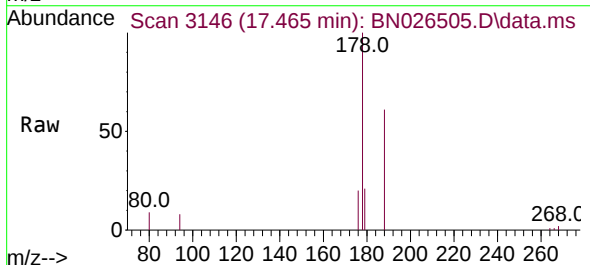


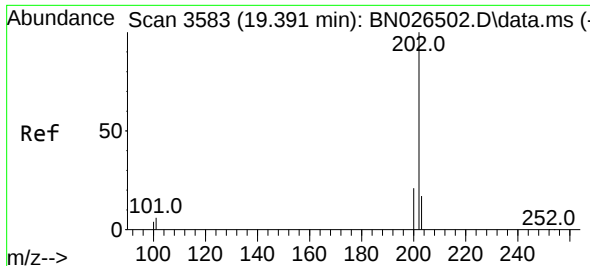
Tgt Ion:178 Resp: 84978  
Ion Ratio Lower Upper  
178 100  
179 15.7 13.7 20.5  
176 19.6 16.5 24.7



#16  
Anthracene  
Concen: 0.194 ng/ul  
RT: 17.465 min Scan# 3146  
Delta R.T. -0.009 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

Tgt Ion:178 Resp: 8835  
Ion Ratio Lower Upper  
178 100  
179 21.2 14.8 22.2  
176 20.0 16.6 25.0

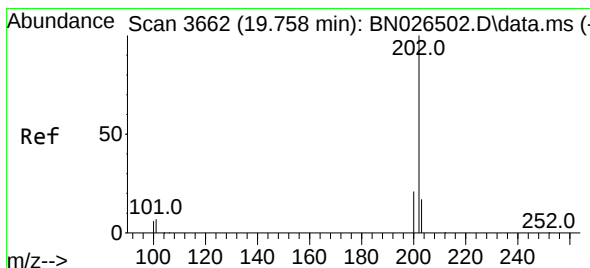
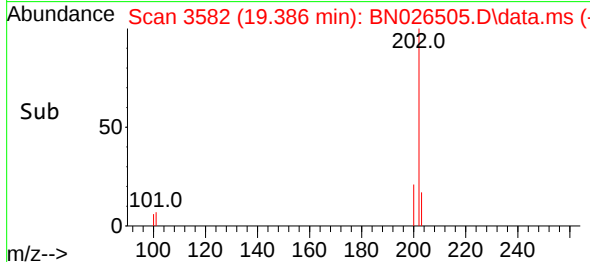
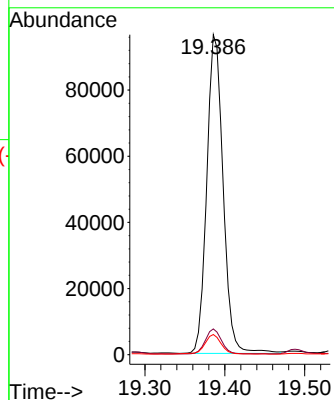
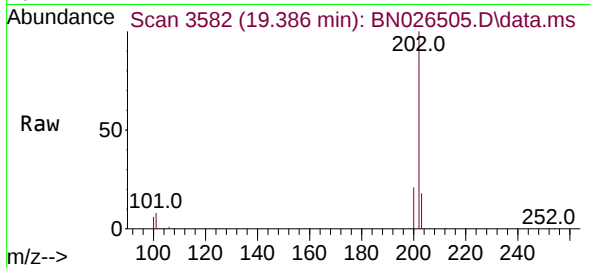




#19  
Fluoranthene  
Concen: 2.131 ng/ul  
RT: 19.386 min Scan# 3582  
Delta R.T. -0.006 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

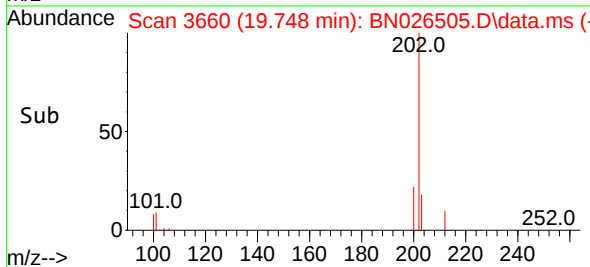
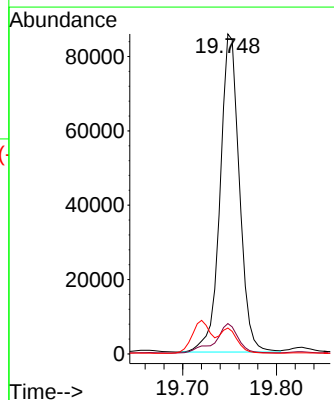
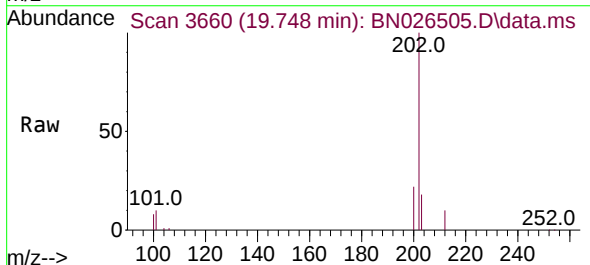
Instrument :  
BNA\_N  
ClientSampleId :

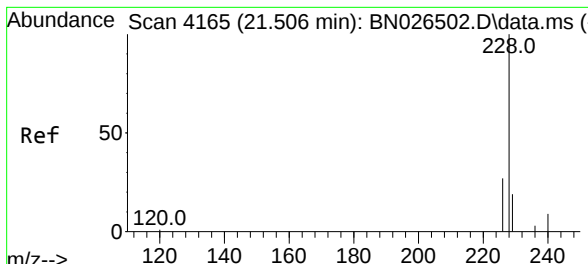
Tgt Ion:202 Resp: 137107  
Ion Ratio Lower Upper  
202 100  
101 8.0 7.0 10.4  
100 6.3 6.0 9.0



#20  
Pyrene  
Concen: 1.751 ng/ul  
RT: 19.748 min Scan# 3660  
Delta R.T. -0.010 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

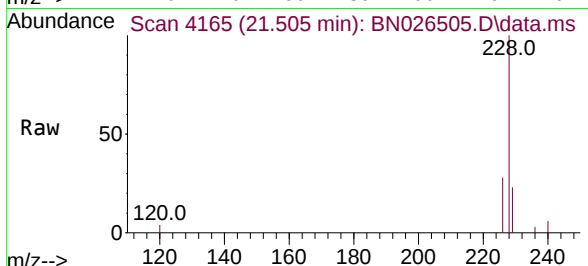
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Ion Ratio Lower Upper  
202 100  
101 9.5 8.0 12.0  
100 8.1 6.2 9.2



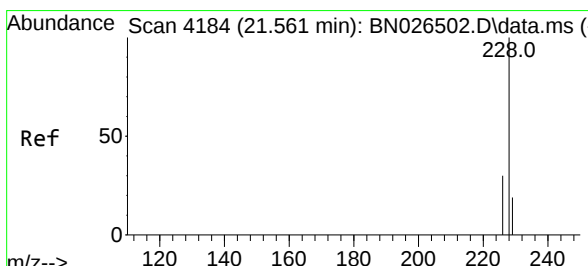
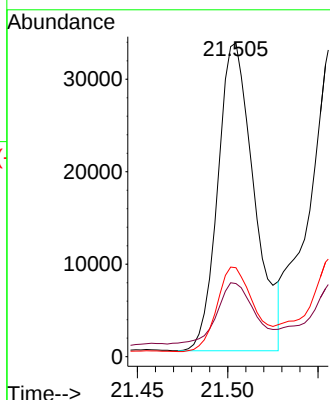
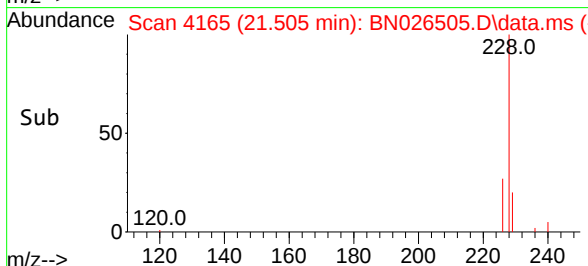


#21  
Benzo(a)anthracene  
Concen: 0.926 ng/ul  
RT: 21.505 min Scan# 4165  
Delta R.T. -0.001 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

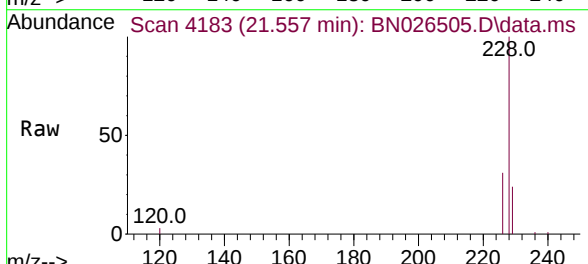
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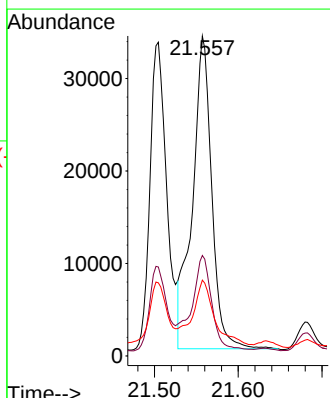
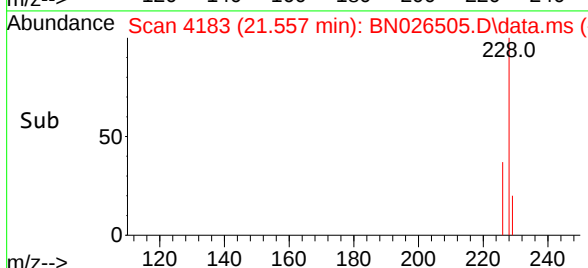
Tgt Ion:228 Resp: 46689  
Ion Ratio Lower Upper  
228 100  
229 23.3 16.7 25.1  
226 28.4 23.5 35.3

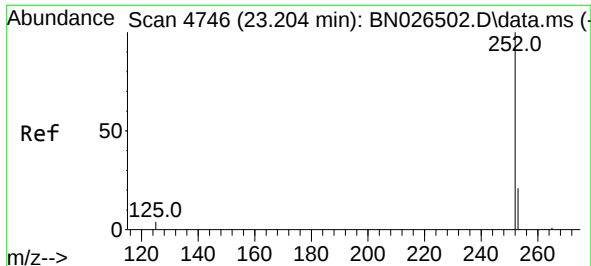


#22  
Chrysene  
Concen: 0.948 ng/ul  
RT: 21.557 min Scan# 4183  
Delta R.T. -0.004 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13



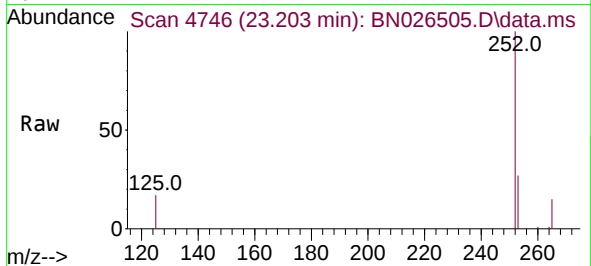
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Ion Ratio Lower Upper  
228 100  
226 31.4 25.2 37.8  
229 23.7 16.4 24.6



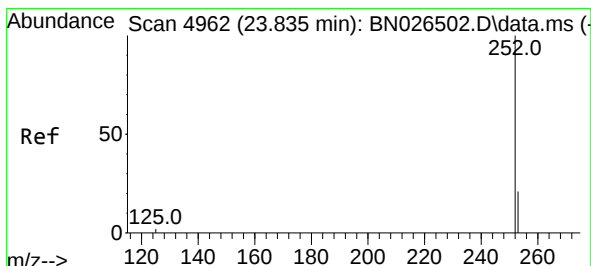
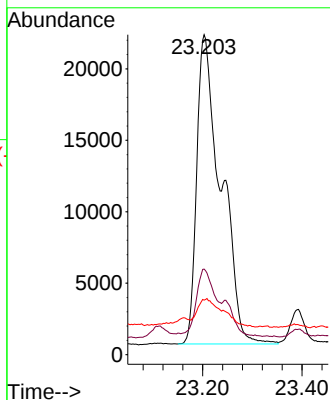
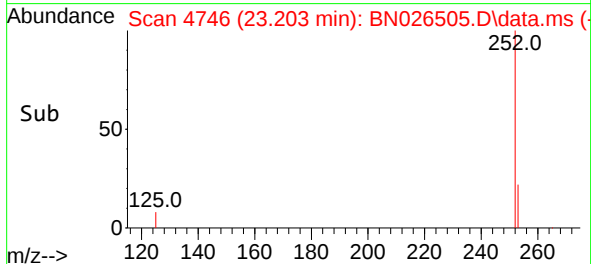


#24  
Benzo(b)fluoranthene  
Concen: 1.517 ng/ul  
RT: 23.203 min Scan# 4746  
Delta R.T. -0.001 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

Instrument :  
BNA\_N  
ClientSampleId :

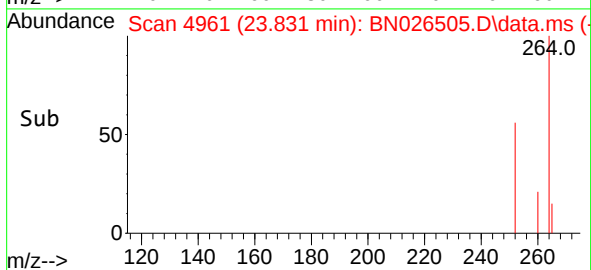
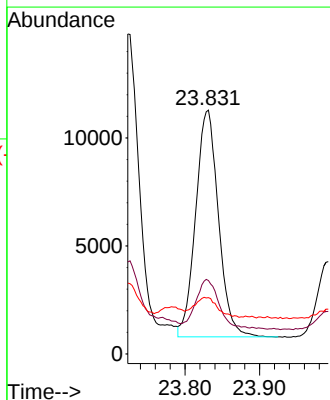
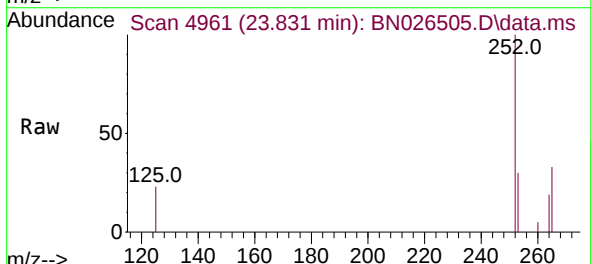


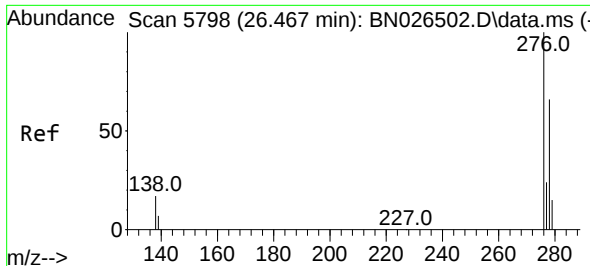
Tgt Ion:252 Resp: 73175  
Ion Ratio Lower Upper  
252 100  
253 26.8 0.0 68.6  
125 17.1 0.0 34.0



#26  
Benzo(a)pyrene  
Concen: 0.520 ng/ul  
RT: 23.831 min Scan# 4961  
Delta R.T. -0.004 min  
Lab File: BN026505.D  
Acq: 14 Jul 2023 18:13

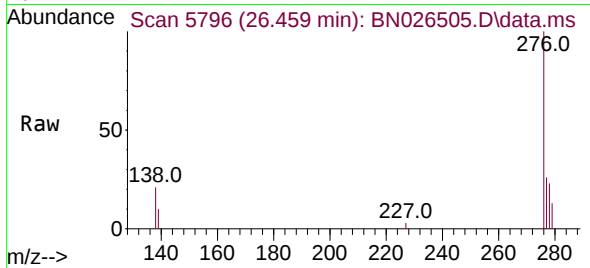
Tgt Ion:252 Resp: 22341  
Ion Ratio Lower Upper  
252 100  
253 30.1 32.6 49.0#  
125 23.1 19.3 28.9



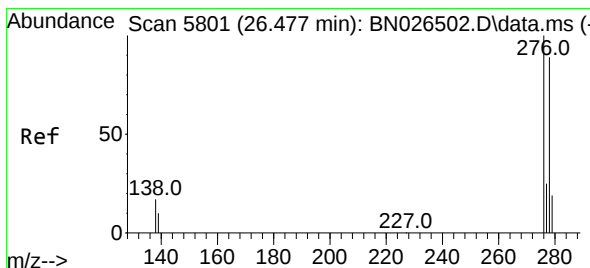
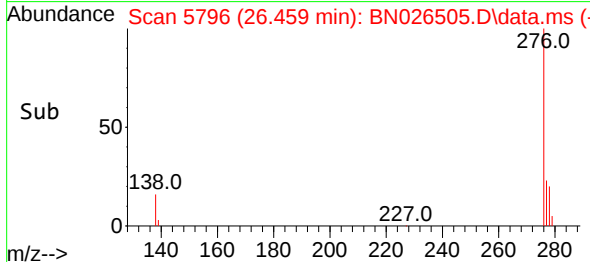
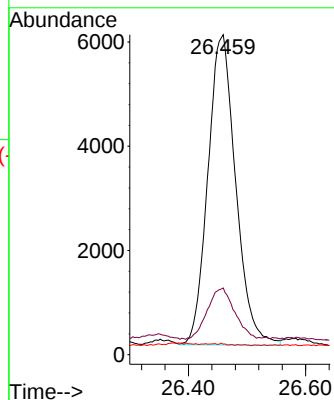


#27  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.349 ng/ul  
 RT: 26.459 min Scan# 51  
 Delta R.T. -0.008 min  
 Lab File: BN026505.D  
 Acq: 14 Jul 2023 18:13

Instrument :  
 BNA\_N  
 ClientSampleId :

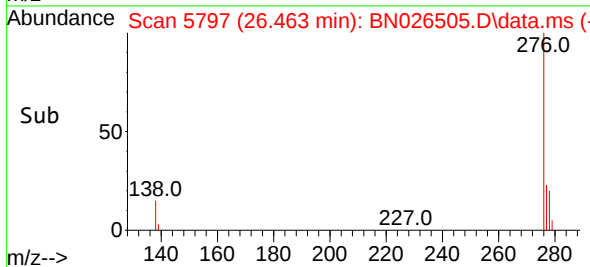
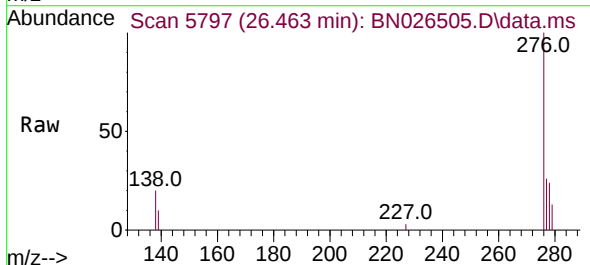
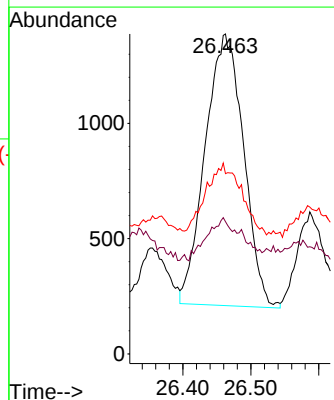


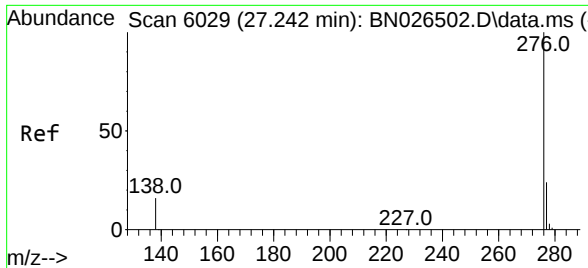
Tgt Ion:276 Resp: 19644  
 Ion Ratio Lower Upper  
 276 100  
 138 16.3 22.2 33.4#  
 227 0.1 0.1 0.1#



#28  
 Dibenzo(a,h)anthracene  
 Concen: 0.107 ng/ul  
 RT: 26.463 min Scan# 5797  
 Delta R.T. -0.014 min  
 Lab File: BN026505.D  
 Acq: 14 Jul 2023 18:13

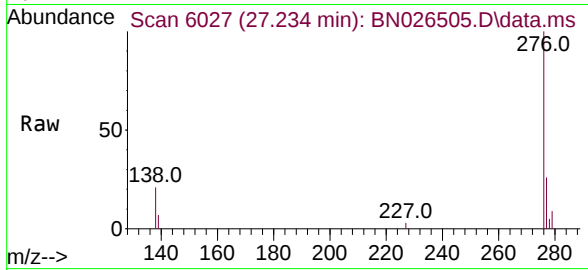
Tgt Ion:278 Resp: 4620  
 Ion Ratio Lower Upper  
 278 100  
 139 41.4 18.9 28.3#  
 279 56.3 31.3 46.9#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.388 ng/ul  
 RT: 27.234 min Scan# 60  
 Delta R.T. -0.008 min  
 Lab File: BN026505.D  
 Acq: 14 Jul 2023 18:13

Instrument :  
 BNA\_N  
 ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 19265 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 20.5  | 22.6  | 34.0# |
| 277       | 26.2  | 21.8  | 32.8  |

