

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
 Data File : BN026268.D  
 Acq On : 04 Jul 2023 18:39  
 Operator : MA/JU  
 Sample : 03247-13DL 5X  
 Misc :  
 ALS Vial : 126 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 05 00:08:06 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 05 00:03:30 2023  
 Response via : Initial Calibration

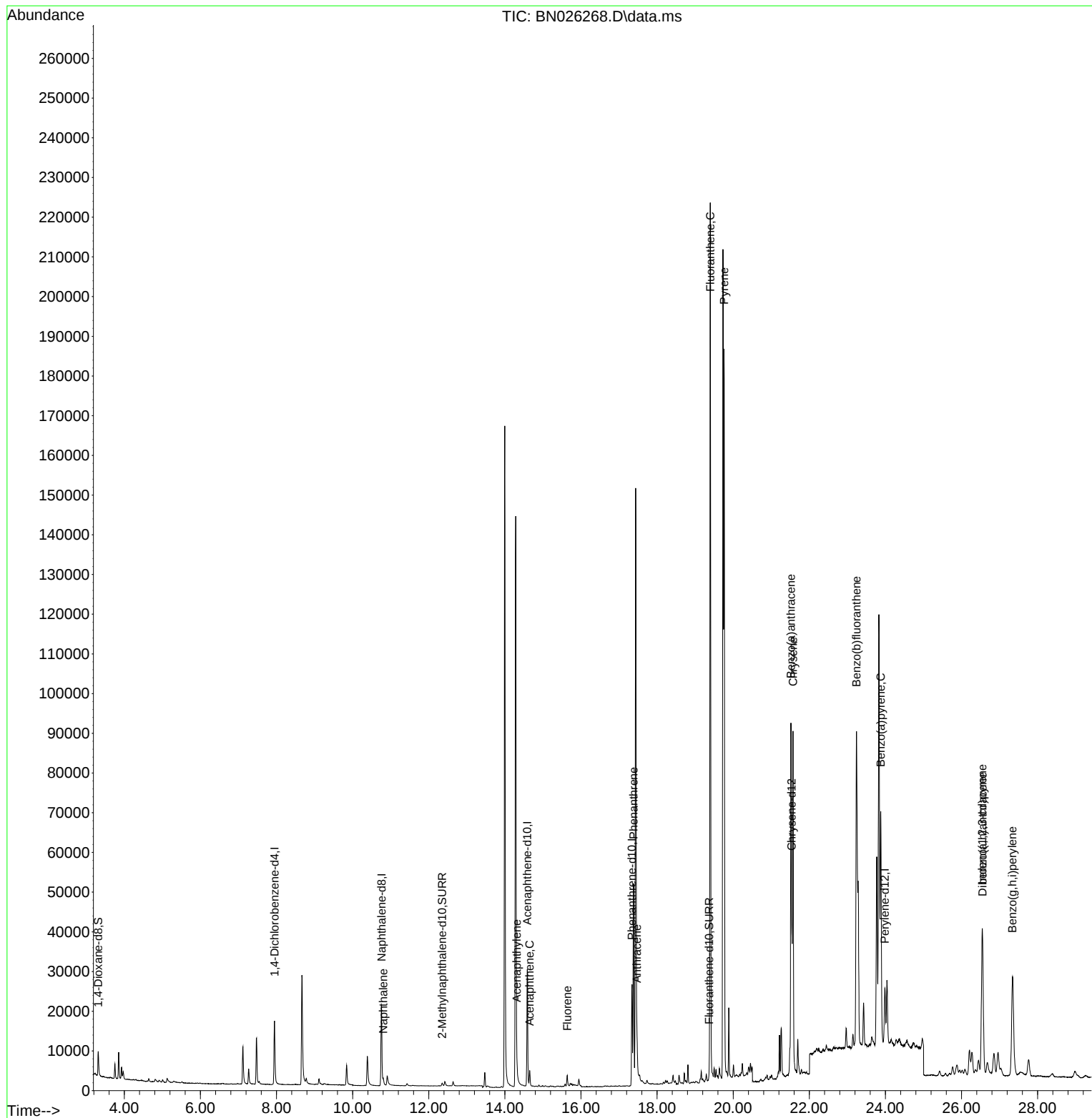
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.946  | 152  | 10074    | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.759 | 136  | 31621    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.589 | 164  | 17384    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.339 | 188  | 32201    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.532 | 240  | 18658    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.985 | 264  | 20279    | 0.400 | ng/ul  | -0.01    |
|                             |        |      |          |       |        |          |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.314  | 96   | 4514     | 0.398 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.354 | 152  | 1354     | 0.028 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.369 | 212  | 2328     | 0.033 | ng/ul  | 0.00     |
|                             |        |      |          |       |        |          |
| Target Compounds            |        |      |          |       |        | Qvalue   |
| 5) Naphthalene              | 10.803 | 128  | 1932     | 0.021 | ng/ul# | 83       |
| 10) Acenaphthylene          | 14.312 | 152  | 3413     | 0.042 | ng/ul# | 88       |
| 11) Acenaphthene            | 14.649 | 153  | 2410     | 0.036 | ng/ul  | 97       |
| 12) Fluorene                | 15.640 | 166  | 1950     | 0.026 | ng/ul# | 96       |
| 15) Phenanthrene            | 17.381 | 178  | 56987    | 0.536 | ng/ul  | 100      |
| 16) Anthracene              | 17.470 | 178  | 9240     | 0.098 | ng/ul# | 91       |
| 19) Fluoranthene            | 19.397 | 202  | 200074   | 2.008 | ng/ul  | 98       |
| 20) Pyrene                  | 19.759 | 202  | 159366   | 1.537 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.518 | 228  | 79729    | 1.036 | ng/ul  | 97       |
| 22) Chrysene                | 21.570 | 228  | 94336    | 1.178 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 23.239 | 252  | 196545   | 2.271 | ng/ul  | 93       |
| 26) Benzo(a)pyrene          | 23.877 | 252  | 85194    | 1.133 | ng/ul# | 87       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.545 | 276  | 68603    | 0.835 | ng/ul# | 85       |
| 28) Dibenzo(a,h)anthracene  | 26.555 | 278  | 16130    | 0.260 | ng/ul# | 87       |
| 29) Benzo(g,h,i)perylene    | 27.336 | 276  | 62458    | 0.855 | ng/ul  | 96       |
| -----                       |        |      |          |       |        |          |

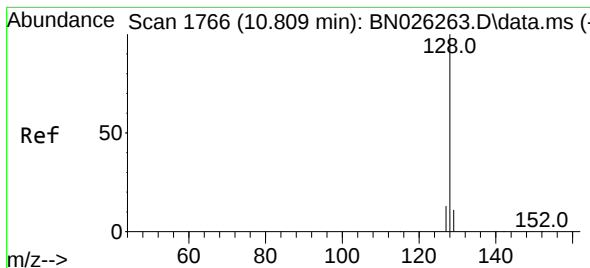
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070223\  
Data File : BN026268.D  
Acq On : 04 Jul 2023 18:39  
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Sample : 03247-13DL 5X  
Misc :  
ALS Vial : 126 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 05 00:08:06 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN062223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jul 05 00:03:30 2023  
Response via : Initial Calibration

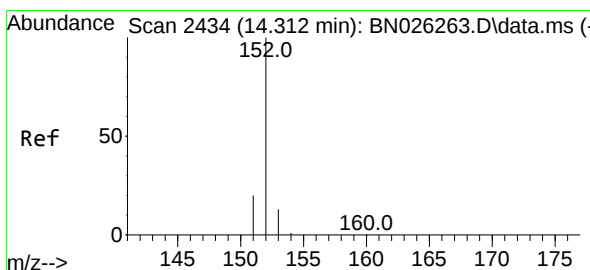
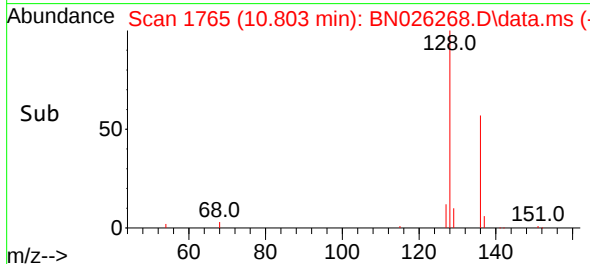
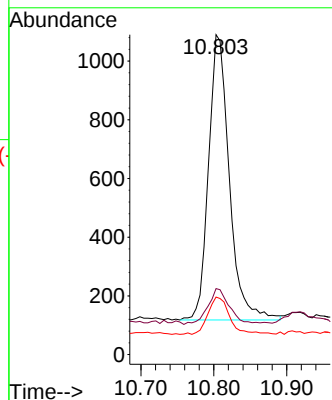
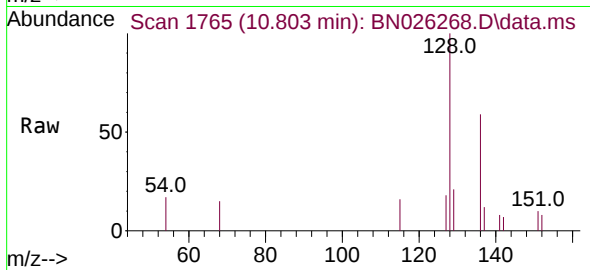




#5  
Naphthalene  
Concen: 0.021 ng/ul  
RT: 10.803 min Scan# 1765  
Delta R.T. -0.006 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

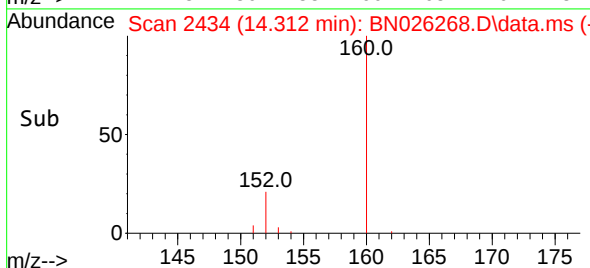
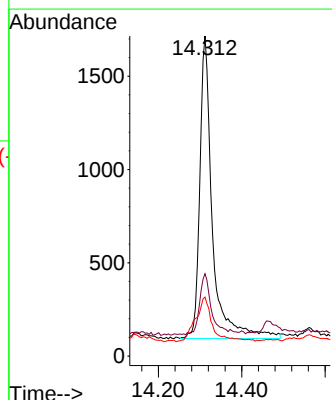
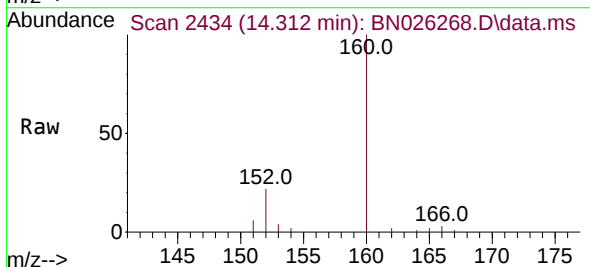
Instrument :  
BNA\_N  
ClientSampleId :

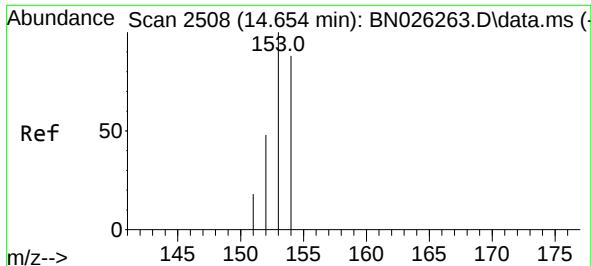
Tgt Ion:128 Resp: 1932  
Ion Ratio Lower Upper  
128 100  
129 20.6 9.1 13.7#  
127 18.0 10.7 16.1#



#10  
Acenaphthylene  
Concen: 0.042 ng/ul  
RT: 14.312 min Scan# 2434  
Delta R.T. -0.000 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

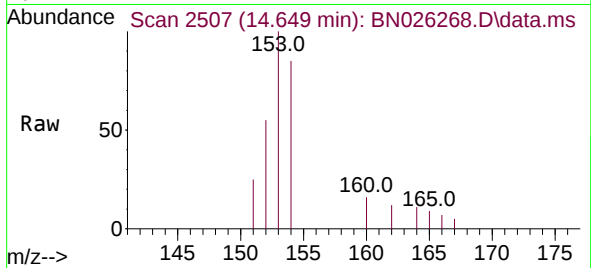
Tgt Ion:152 Resp: 3413  
Ion Ratio Lower Upper  
152 100  
151 25.7 16.2 24.4#  
153 18.4 10.9 16.3#



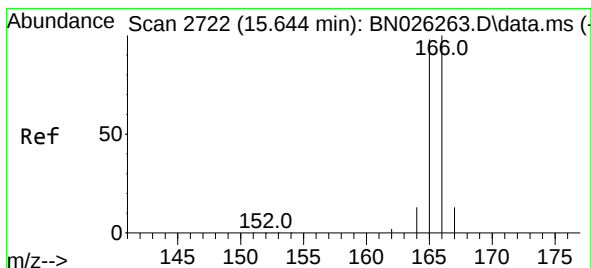
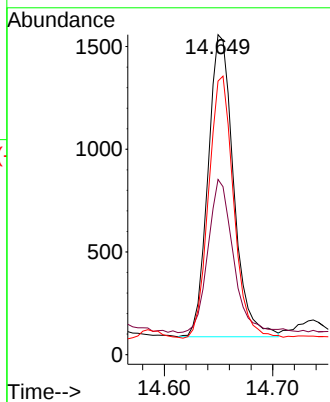
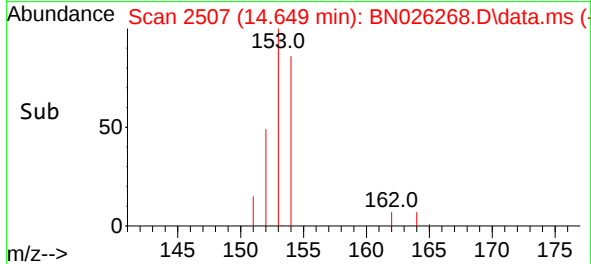


#11  
Acenaphthene  
Concen: 0.036 ng/ul  
RT: 14.649 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

Instrument :  
BNA\_N  
ClientSampleId :

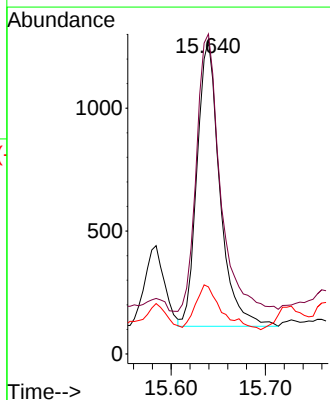
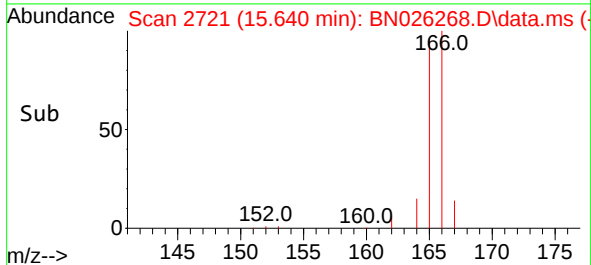
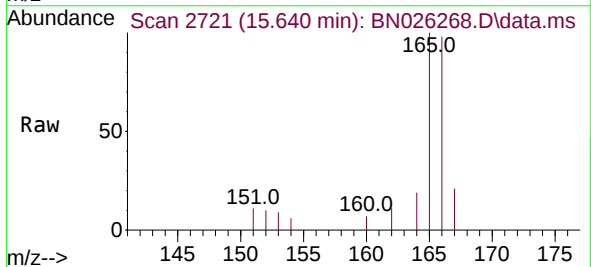


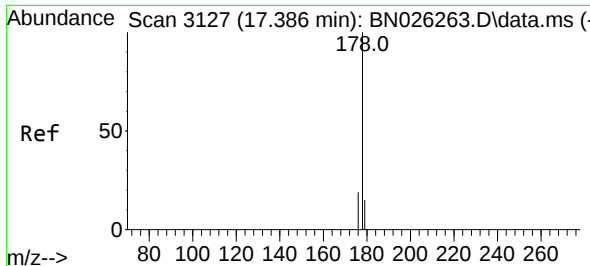
Tgt Ion:153 Resp: 2410  
Ion Ratio Lower Upper  
153 100  
152 54.7 39.4 59.0  
154 85.5 68.9 103.3



#12  
Fluorene  
Concen: 0.026 ng/ul  
RT: 15.640 min Scan# 2721  
Delta R.T. -0.005 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

Tgt Ion:166 Resp: 1950  
Ion Ratio Lower Upper  
166 100  
165 101.9 79.9 119.9  
167 21.4 10.8 16.2#

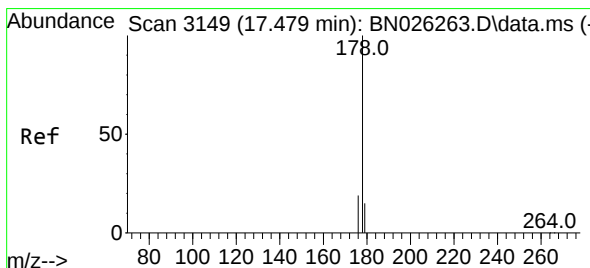
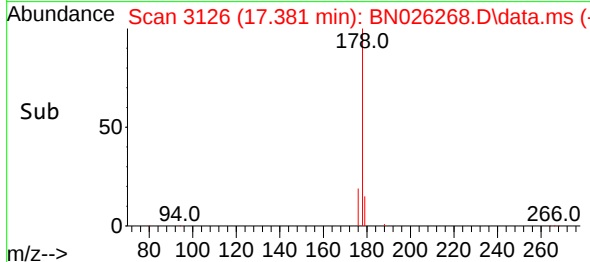
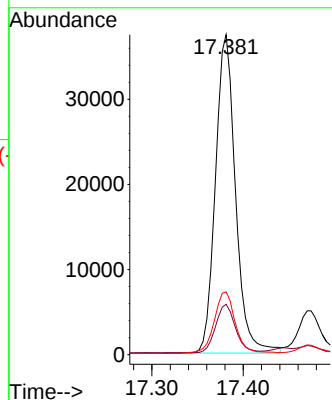
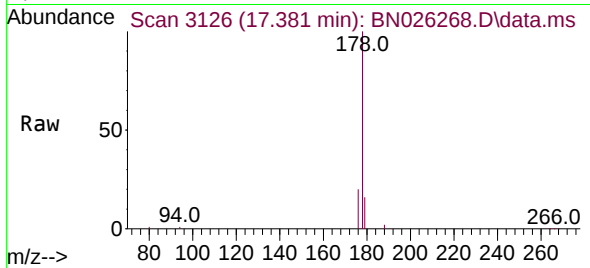




#15  
Phenanthrene  
Concen: 0.536 ng/ul  
RT: 17.381 min Scan# 3127  
Delta R.T. -0.004 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

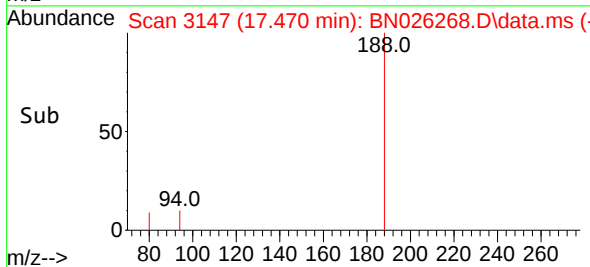
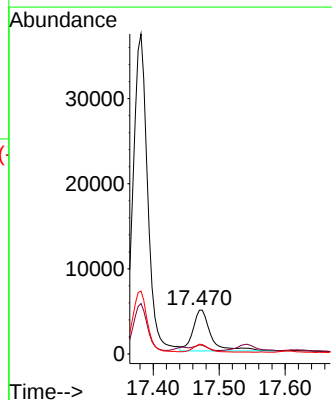
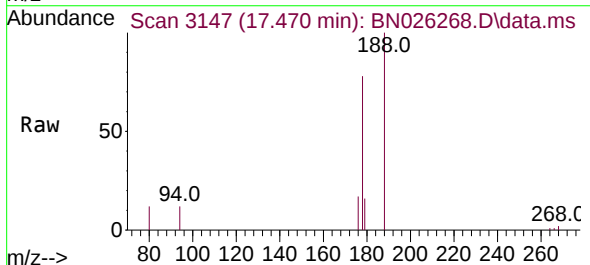
Instrument :  
BNA\_N  
ClientSampleId :

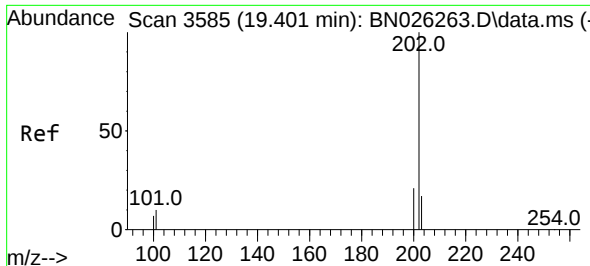
Tgt Ion:178 Resp: 56987  
Ion Ratio Lower Upper  
178 100  
179 15.8 12.6 19.0  
176 19.6 15.8 23.6



#16  
Anthracene  
Concen: 0.098 ng/ul  
RT: 17.470 min Scan# 3147  
Delta R.T. -0.009 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

Tgt Ion:178 Resp: 9240  
Ion Ratio Lower Upper  
178 100  
179 20.7 12.6 18.8#  
176 22.2 15.1 22.7

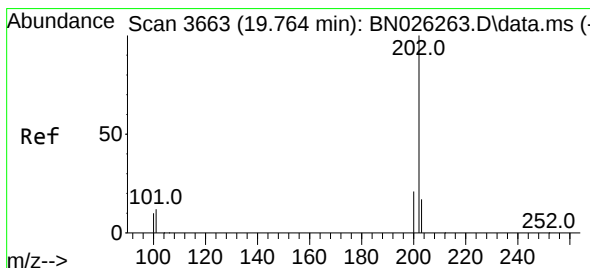
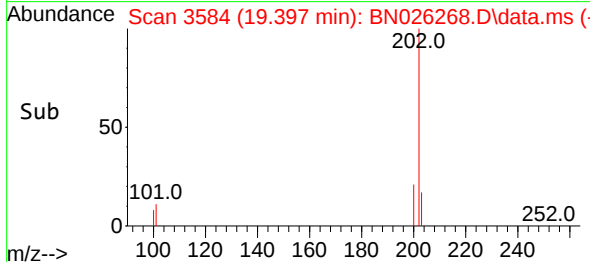
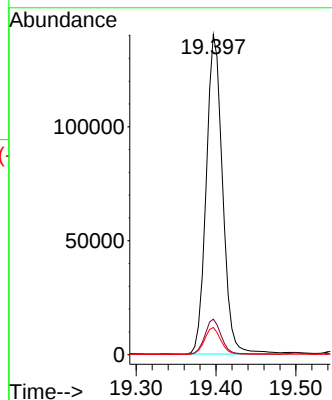
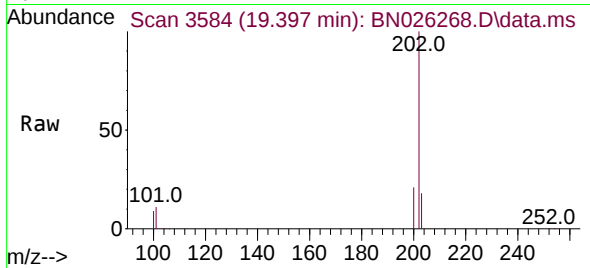




#19  
Fluoranthene  
Concen: 2.008 ng/ul  
RT: 19.397 min Scan# 3584  
Delta R.T. -0.005 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

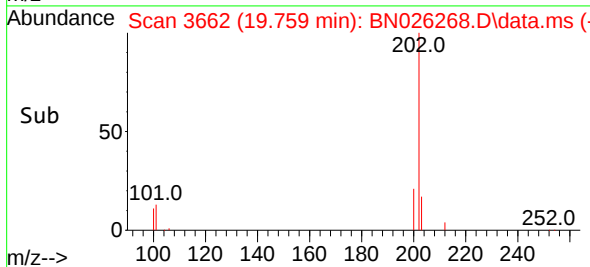
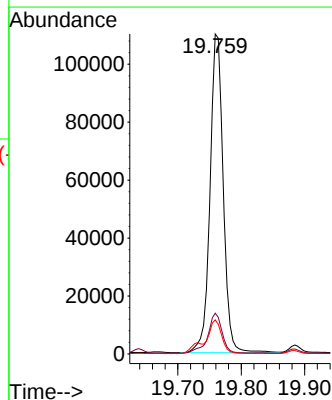
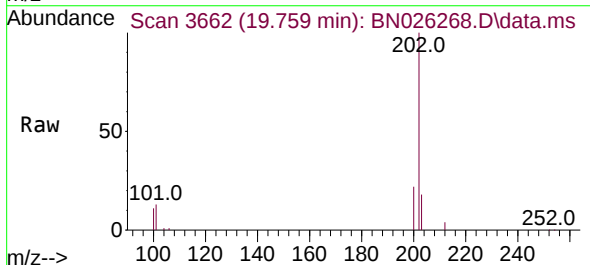
Instrument :  
BNA\_N  
ClientSampleId :

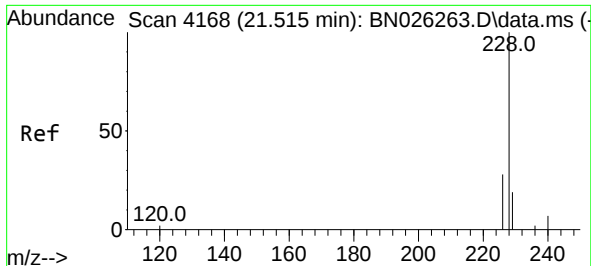
Tgt Ion:202 Resp: 200074  
Ion Ratio Lower Upper  
202 100  
101 11.1 9.5 14.3  
100 8.5 7.3 10.9



#20  
Pyrene  
Concen: 1.537 ng/ul  
RT: 19.759 min Scan# 3662  
Delta R.T. -0.005 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

Tgt Ion:202 Resp: 159366  
Ion Ratio Lower Upper  
202 100  
101 12.7 11.4 17.0  
100 10.7 9.1 13.7

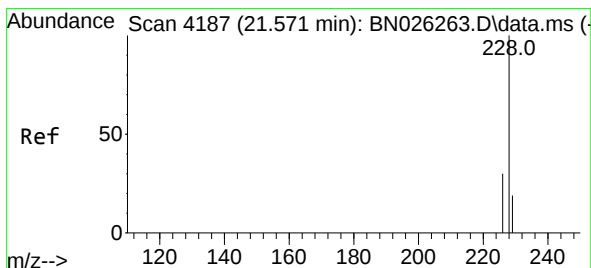
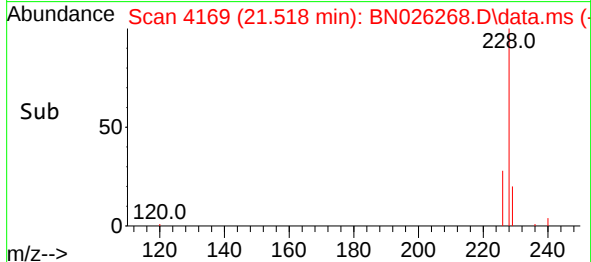
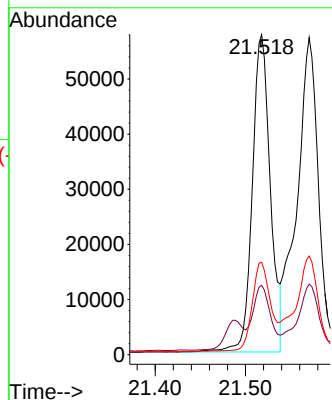
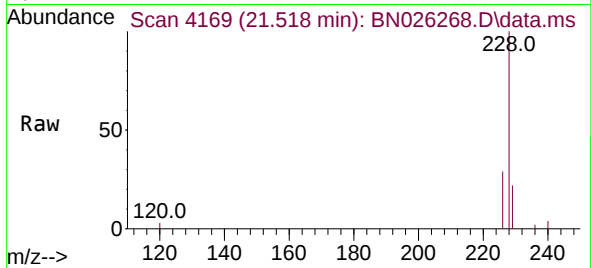




#21  
Benzo(a)anthracene  
Concen: 1.036 ng/ul  
RT: 21.518 min Scan# 4168  
Delta R.T. 0.003 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

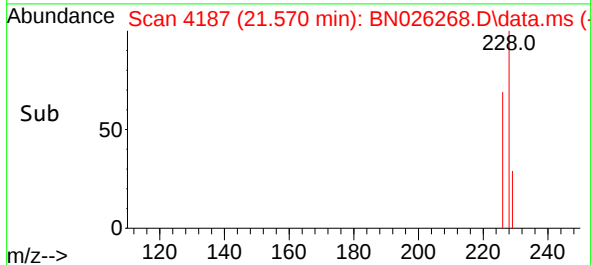
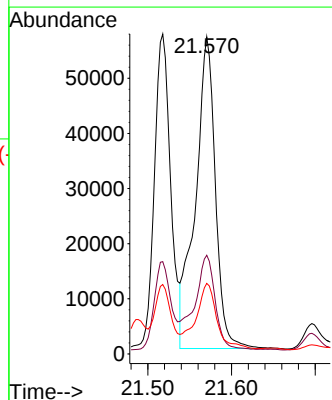
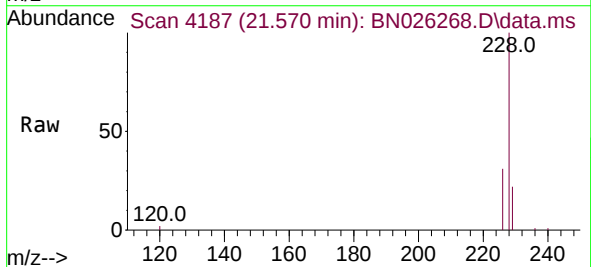
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BNA\_N  
ClientSampleId :

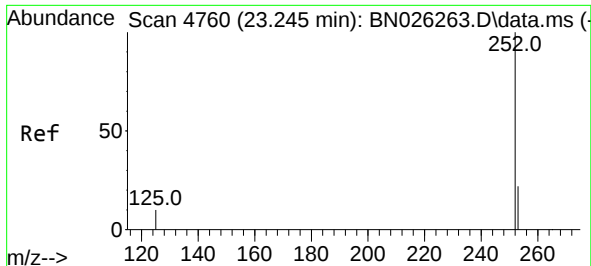
Tgt Ion:228 Resp: 79729  
Ion Ratio Lower Upper  
228 100  
229 21.7 15.8 23.6  
226 28.8 22.5 33.7



#22  
Chrysene  
Concen: 1.178 ng/ul  
RT: 21.570 min Scan# 4187  
Delta R.T. -0.000 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

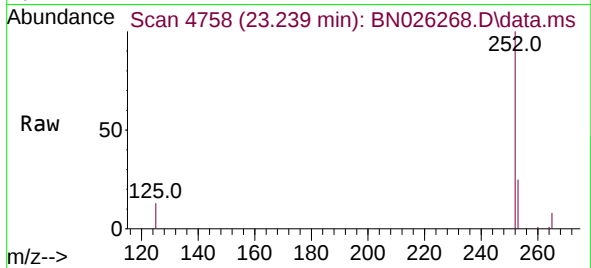
Tgt Ion:228 Resp: 94336  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.8 37.2  
229 22.3 15.7 23.5



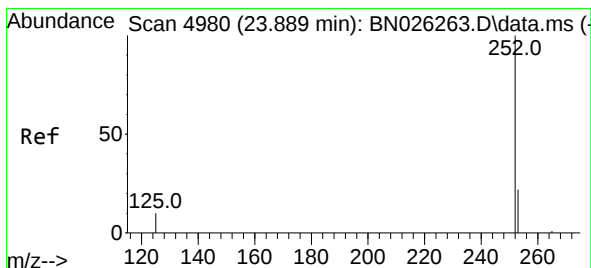
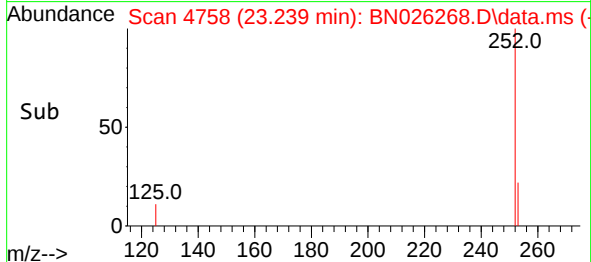
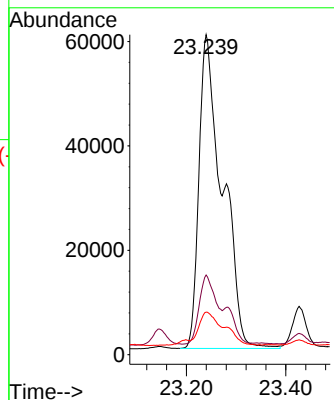


#24  
Benzo(b)fluoranthene  
Concen: 2.271 ng/ul  
RT: 23.239 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN026268.D  
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Instrument :  
BNA\_N  
ClientSampleId :

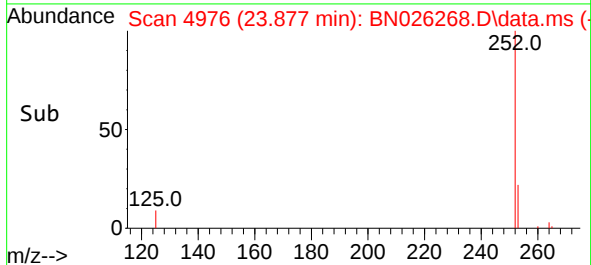
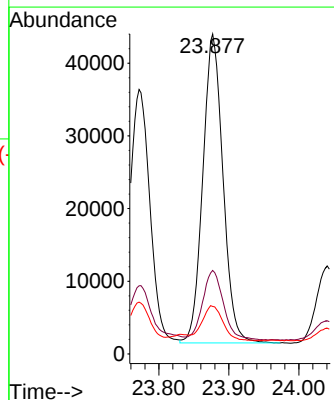
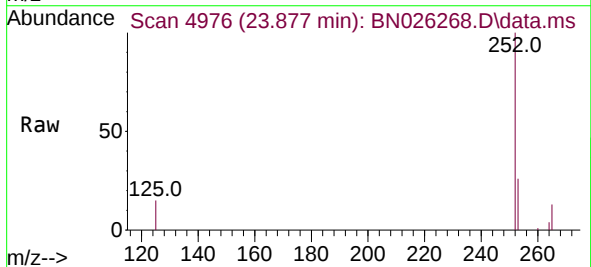


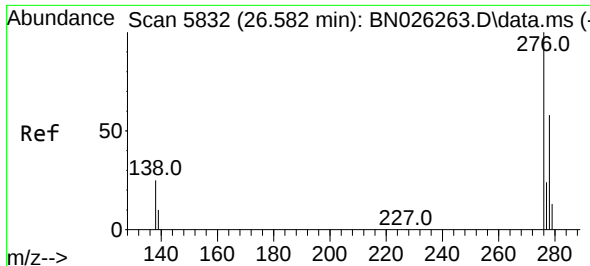
Tgt Ion:252 Resp: 196545  
Ion Ratio Lower Upper  
252 100  
253 24.9 0.0 55.6  
125 13.3 0.0 35.8



#26  
Benzo(a)pyrene  
Concen: 1.133 ng/ul  
RT: 23.877 min Scan# 4976  
Delta R.T. -0.012 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

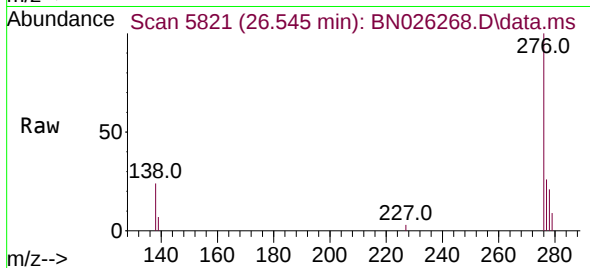
Tgt Ion:252 Resp: 85194  
Ion Ratio Lower Upper  
252 100  
253 26.1 26.0 39.0  
125 14.9 17.3 25.9#



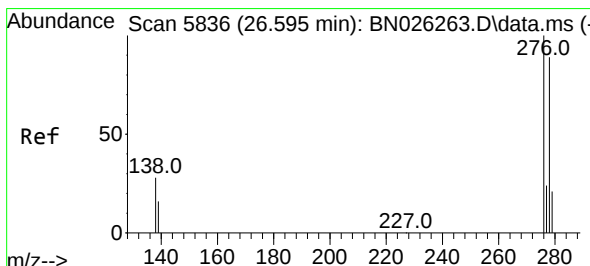
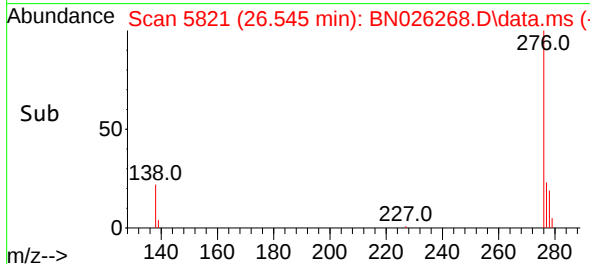
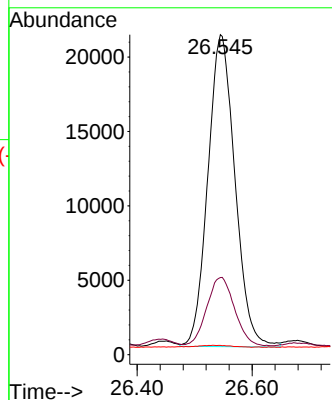


#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.835 ng/ul  
RT: 26.545 min Scan# 5821  
Delta R.T. -0.037 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

Instrument :  
BNA\_N  
ClientSampleId :

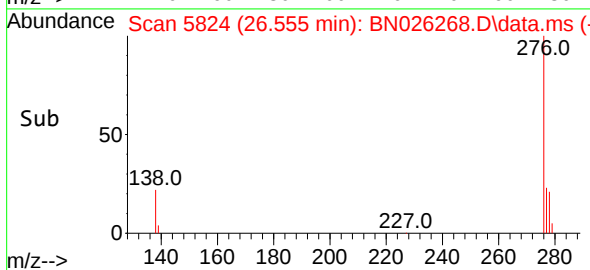
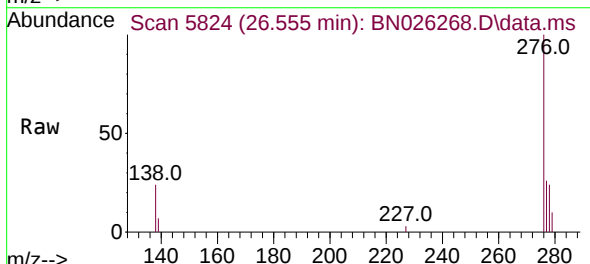
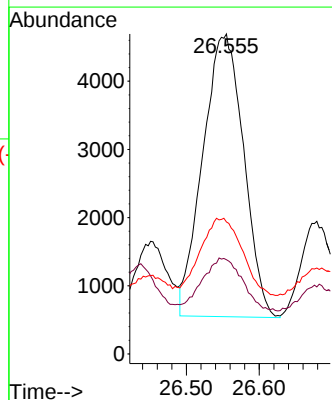


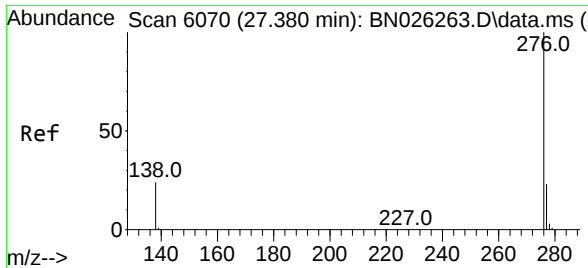
Tgt Ion:276 Resp: 68603  
Ion Ratio Lower Upper  
276 100  
138 22.4 24.5 36.7#  
227 0.7 0.0 0.0#



#28  
Dibenzo(a,h)anthracene  
Concen: 0.260 ng/ul  
RT: 26.555 min Scan# 5824  
Delta R.T. -0.040 min  
Lab File: BN026268.D  
Acq: 04 Jul 2023 18:39

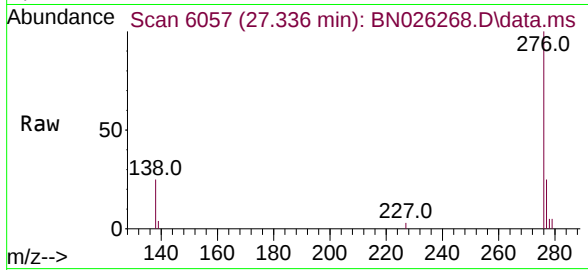
Tgt Ion:278 Resp: 16130  
Ion Ratio Lower Upper  
278 100  
139 29.4 19.0 28.4#  
279 41.3 26.7 40.1#





#29  
 Benzo(g,h,i)perylene  
 Concen: 0.855 ng/ul  
 RT: 27.336 min Scan# 6057  
 Delta R.T. -0.044 min  
 Lab File: BN026268.D  
 Acq: 04 Jul 2023 18:39

Instrument :  
 BNA\_N  
 ClientSampleId :



Tgt Ion:276 Resp: 62458

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 25.4  | 23.4  | 35.0  |
| 277 | 25.1  | 20.0  | 30.0  |

