

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
 Data File : BN032373.D  
 Acq On : 01 Jul 2024 21:56  
 Operator : MA/JU  
 Sample : P2934-12DL 5X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jul 01 23:46:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 27 13:23:38 2024  
 Response via : Initial Calibration

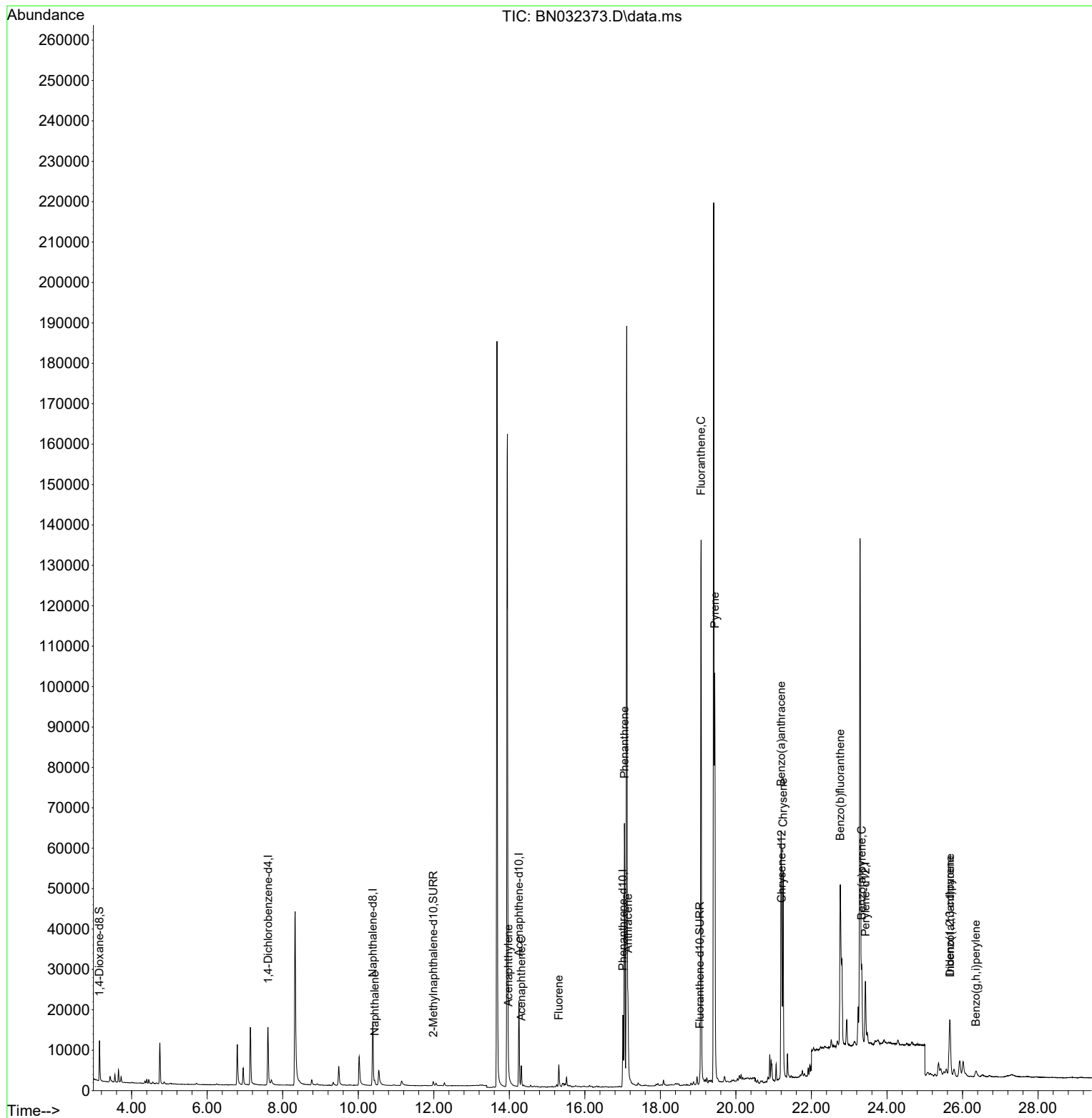
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.612  | 152  | 8262     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.387 | 136  | 24345    | 0.400 | ng/ul  | -0.01    |
| 9) Acenaphthene-d10         | 14.253 | 164  | 12507    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.008 | 188  | 21540    | 0.400 | ng/ul  | -0.02    |
| 17) Chrysene-d12            | 21.214 | 240  | 17829    | 0.400 | ng/ul  | -0.01    |
| 23) Perylene-d12            | 23.430 | 264  | 21606    | 0.400 | ng/ul  | -0.02    |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.148  | 96   | 6900     | 0.751 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.988 | 152  | 1777     | 0.049 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.045 | 212  | 2969     | 0.055 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 5) Naphthalene              | 10.437 | 128  | 1376     | 0.021 | ng/ul# | 74       |
| 10) Acenaphthylene          | 13.976 | 152  | 2204     | 0.042 | ng/ul# | 86       |
| 11) Acenaphthene            | 14.318 | 153  | 3034     | 0.075 | ng/ul  | 96       |
| 12) Fluorene                | 15.313 | 166  | 3793     | 0.079 | ng/ul# | 98       |
| 15) Phenanthrene            | 17.050 | 178  | 71736    | 1.215 | ng/ul  | 99       |
| 16) Anthracene              | 17.143 | 178  | 17736    | 0.337 | ng/ul  | 97       |
| 19) Fluoranthene            | 19.078 | 202  | 123388   | 1.817 | ng/ul  | 100      |
| 20) Pyrene                  | 19.440 | 202  | 84012    | 1.184 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.197 | 228  | 56872    | 0.884 | ng/ul  | 97       |
| 22) Chrysene                | 21.250 | 228  | 50757    | 0.719 | ng/ul  | 96       |
| 24) Benzo(b)fluoranthene    | 22.763 | 252  | 90331    | 0.962 | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.330 | 252  | 25131    | 0.385 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.663 | 276  | 21170    | 0.207 | ng/ul# | 94       |
| 28) Dibenzo(a,h)anthracene  | 25.670 | 278  | 7720     | 0.102 | ng/ul# | 56       |
| 29) Benzo(g,h,i)perylene    | 26.354 | 276  | 3257     | 0.040 | ng/ul# | 37       |
| -----                       |        |      |          |       |        |          |

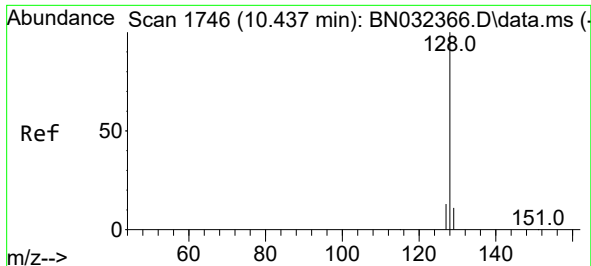
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN070124\  
Data File : BN032373.D  
Acq On : 01 Jul 2024 21:56  
Operator : MA/JU  
Sample : P2934-12DL 5X  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

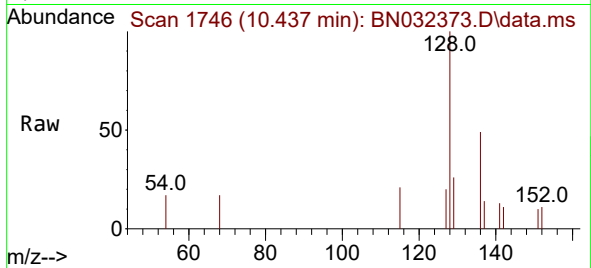
Quant Time: Jul 01 23:46:06 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN062724.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 27 13:23:38 2024  
Response via : Initial Calibration



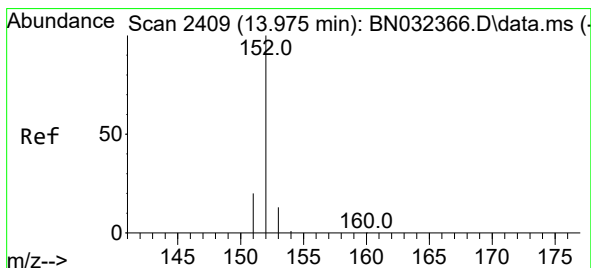
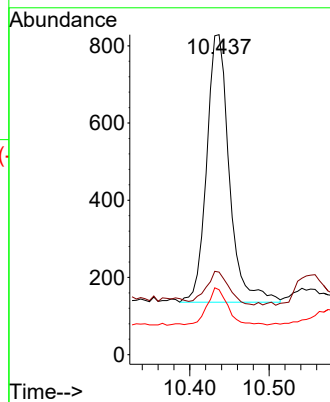
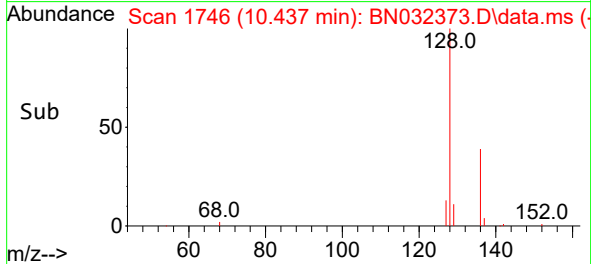


#5  
Naphthalene  
Concen: 0.021 ng/ul  
RT: 10.437 min Scan# 1746  
Delta R.T. -0.011 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Instrument :  
BNA\_G  
ClientSampleId :

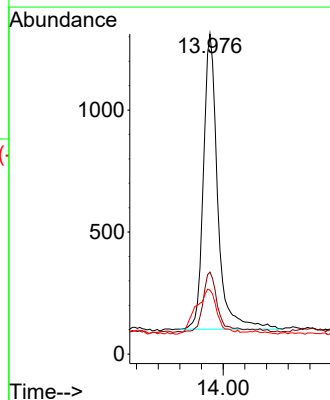
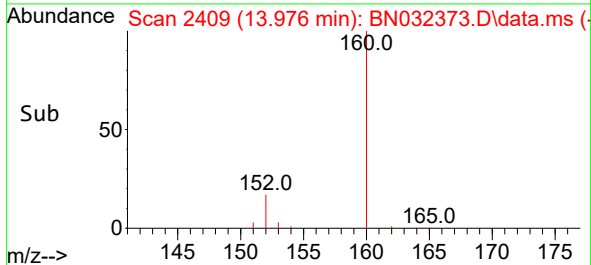
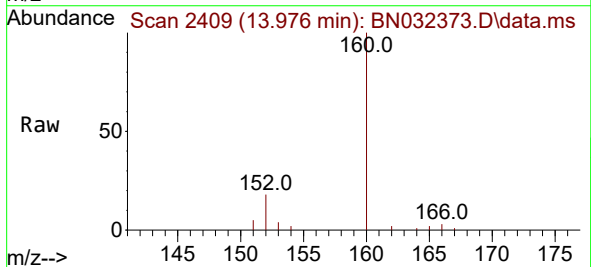


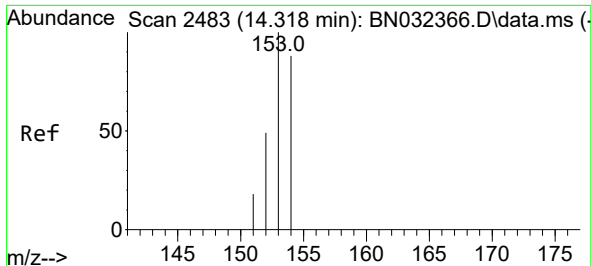
Tgt Ion:128 Resp: 1376  
Ion Ratio Lower Upper  
128 100  
129 25.8 9.2 13.8#  
127 20.3 10.8 16.2#



#10  
Acenaphthylene  
Concen: 0.042 ng/ul  
RT: 13.976 min Scan# 2409  
Delta R.T. -0.014 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Tgt Ion:152 Resp: 2204  
Ion Ratio Lower Upper  
152 100  
151 25.6 15.7 23.5#  
153 20.0 10.9 16.3#

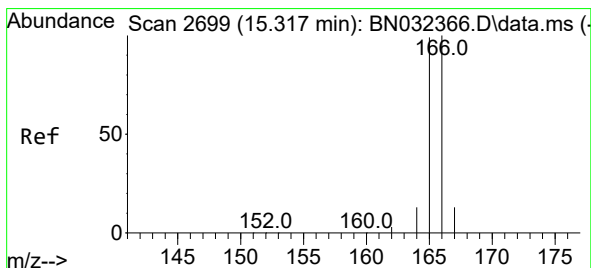
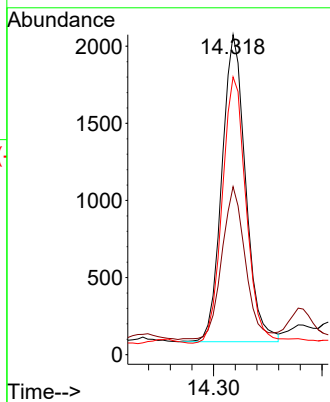
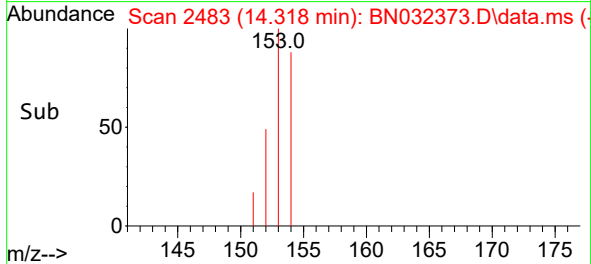
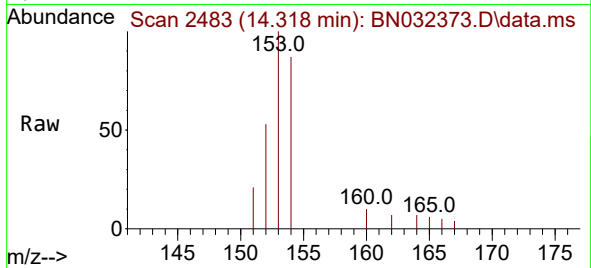




#11  
Acenaphthene  
Concen: 0.075 ng/ul  
RT: 14.318 min Scan# 2483  
Delta R.T. -0.014 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

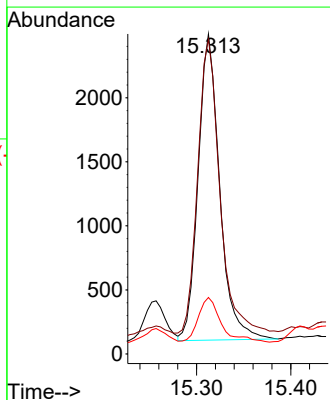
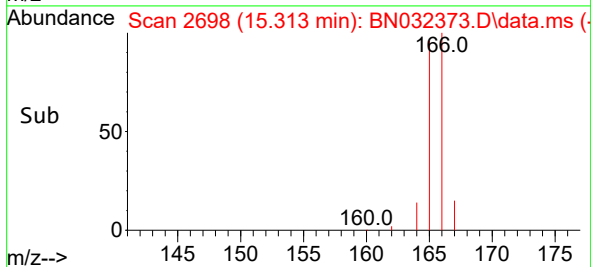
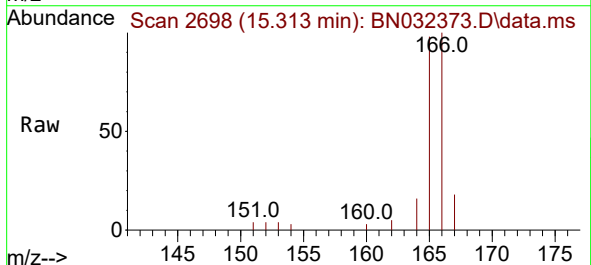
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BNA\_G  
ClientSampleId :

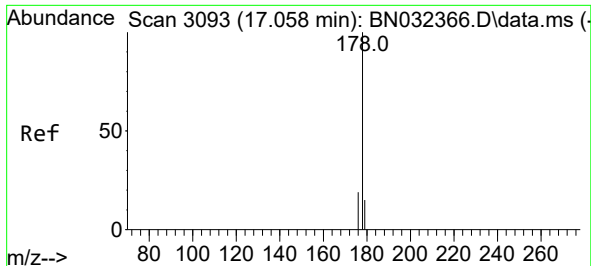
Tgt Ion:153 Resp: 3034  
Ion Ratio Lower Upper  
153 100  
152 52.5 39.5 59.3  
154 86.8 71.7 107.5



#12  
Fluorene  
Concen: 0.079 ng/ul  
RT: 15.313 min Scan# 2698  
Delta R.T. -0.014 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

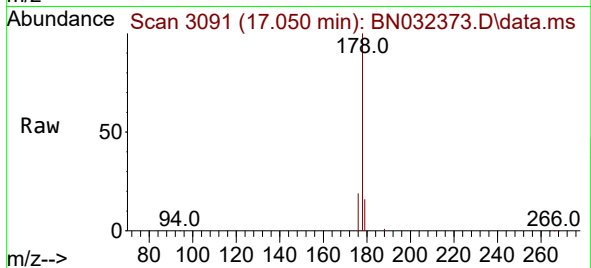
Tgt Ion:166 Resp: 3793  
Ion Ratio Lower Upper  
166 100  
165 98.3 79.0 118.6  
167 17.7 11.0 16.6#



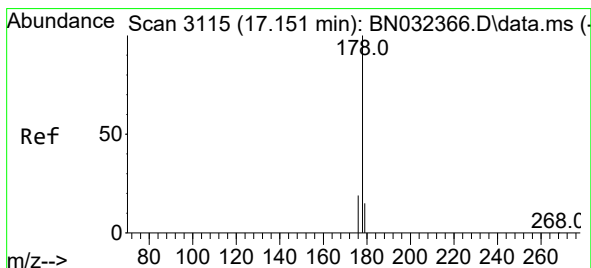
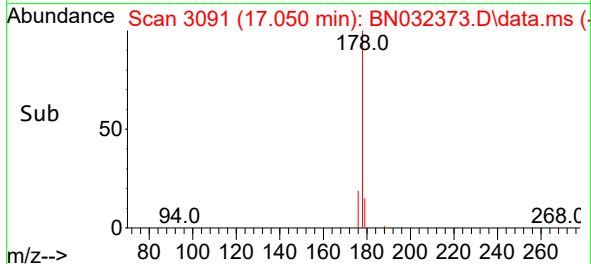
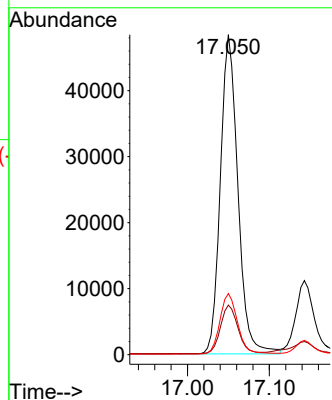


#15  
Phenanthrene  
Concen: 1.215 ng/ul  
RT: 17.050 min Scan# 3091  
Delta R.T. -0.017 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Instrument :  
BNA\_G  
ClientSampleId :

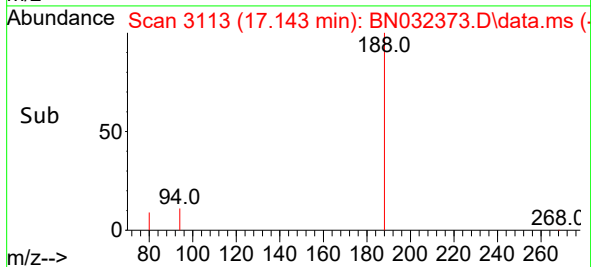
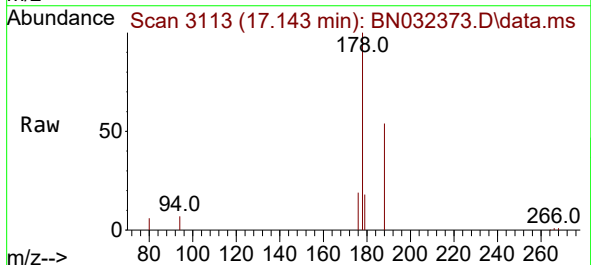
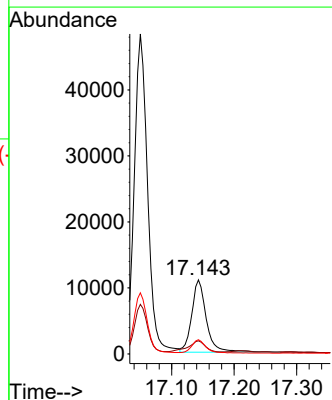


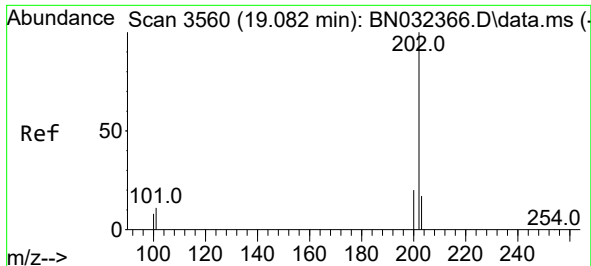
Tgt Ion:178 Resp: 71736  
Ion Ratio Lower Upper  
178 100  
179 15.5 12.6 18.8  
176 19.1 15.6 23.4



#16  
Anthracene  
Concen: 0.337 ng/ul  
RT: 17.143 min Scan# 3113  
Delta R.T. -0.017 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Tgt Ion:178 Resp: 17736  
Ion Ratio Lower Upper  
178 100  
179 17.8 12.5 18.7  
176 19.3 15.0 22.6

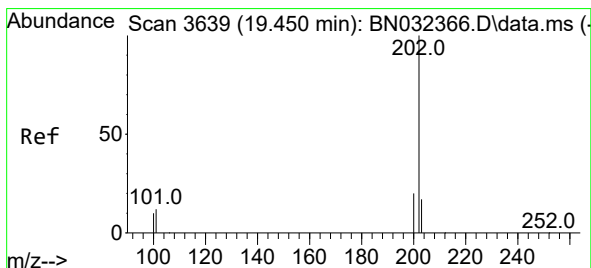
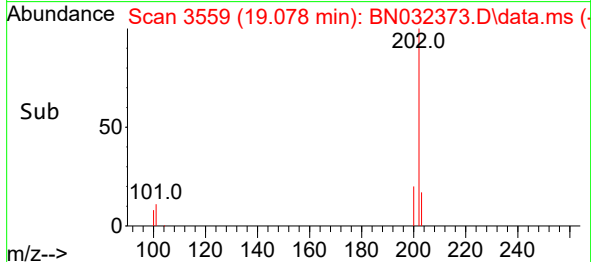
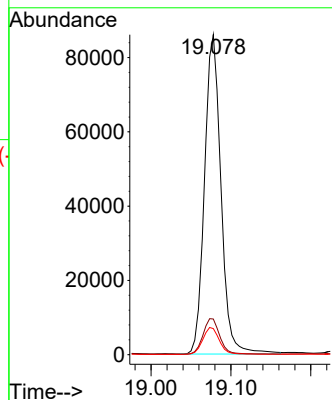
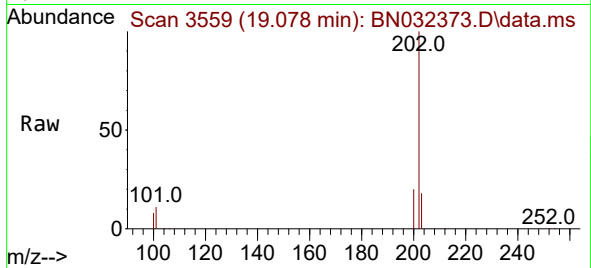




#19  
Fluoranthene  
Concen: 1.817 ng/ul  
RT: 19.078 min Scan# 3559  
Delta R.T. -0.014 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

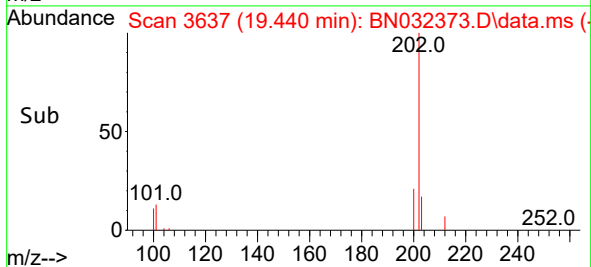
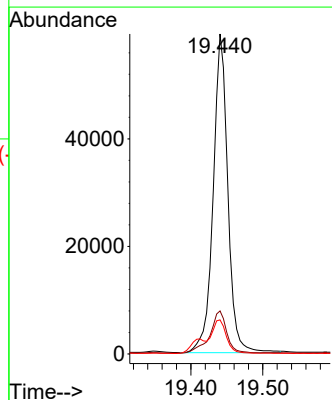
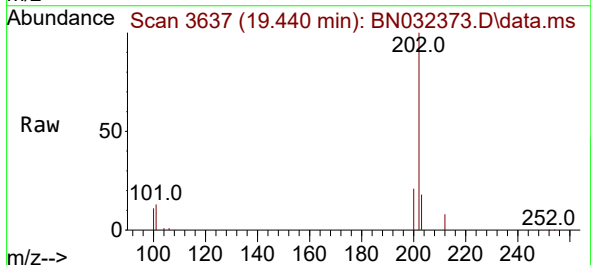
Instrument :  
BNA\_G  
ClientSampleId :

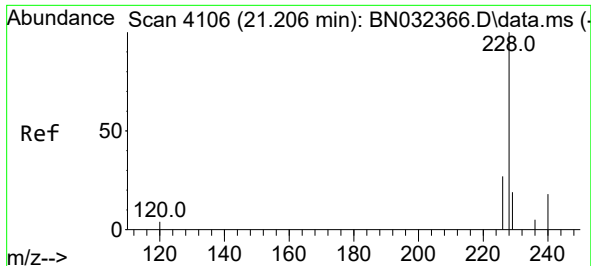
Tgt Ion:202 Resp: 123388  
Ion Ratio Lower Upper  
202 100  
101 11.2 8.8 13.2  
100 8.2 6.4 9.6



#20  
Pyrene  
Concen: 1.184 ng/ul  
RT: 19.440 min Scan# 3637  
Delta R.T. -0.014 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

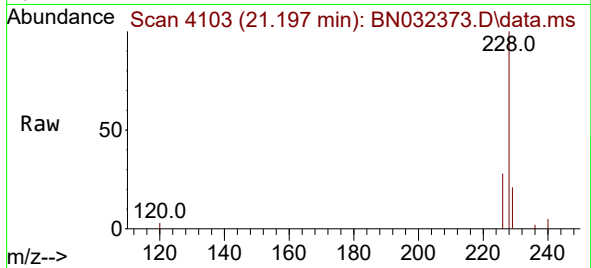
Tgt Ion:202 Resp: 84012  
Ion Ratio Lower Upper  
202 100  
101 13.4 11.0 16.4  
100 10.6 8.7 13.1



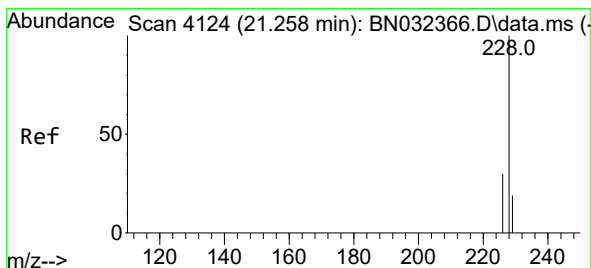
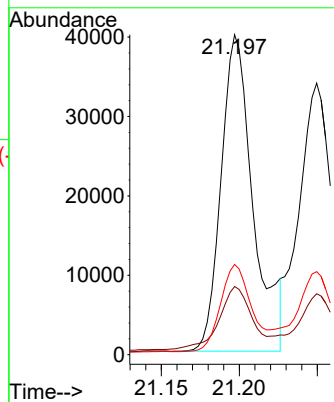
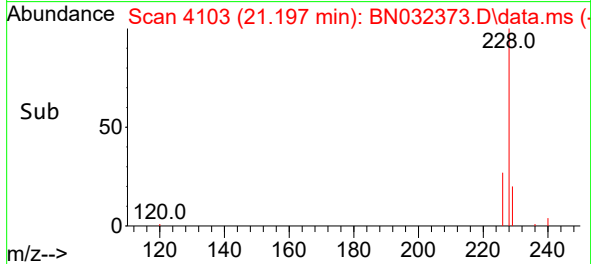


#21  
Benzo(a)anthracene  
Concen: 0.884 ng/ul  
RT: 21.197 min Scan# 4110  
Delta R.T. -0.018 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Instrument :  
BNA\_G  
ClientSampleId :

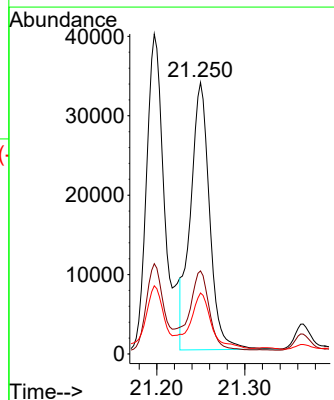
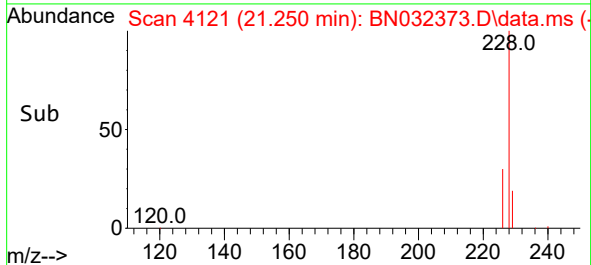
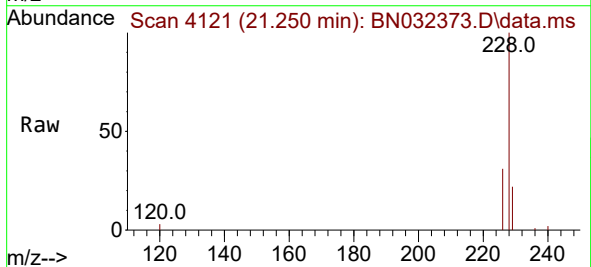


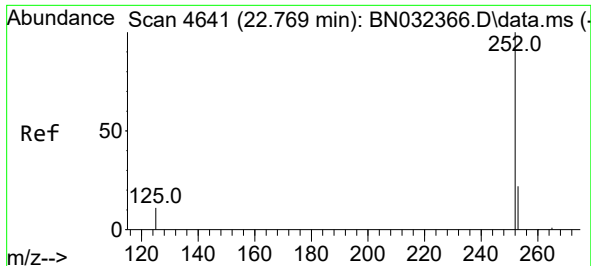
Tgt Ion:228 Resp: 56872  
Ion Ratio Lower Upper  
228 100  
229 21.3 15.7 23.5  
226 28.2 21.8 32.8



#22  
Chrysene  
Concen: 0.719 ng/ul  
RT: 21.250 min Scan# 4121  
Delta R.T. -0.018 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

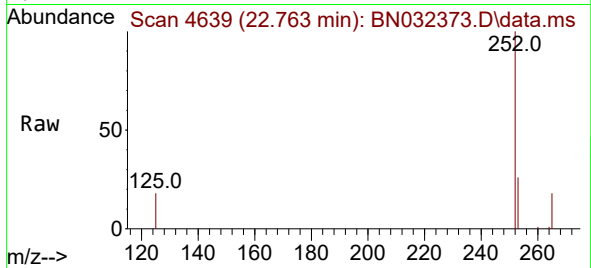
Tgt Ion:228 Resp: 50757  
Ion Ratio Lower Upper  
228 100  
226 30.6 23.6 35.4  
229 22.5 15.7 23.5



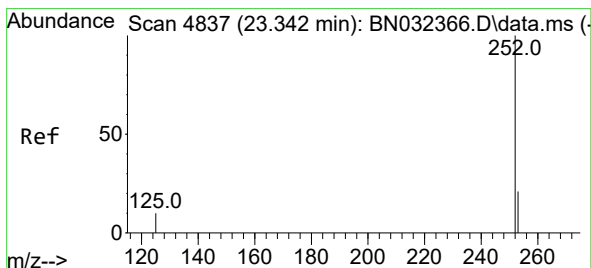
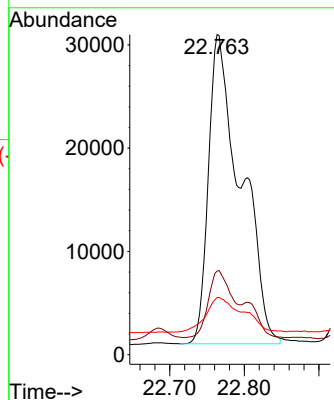


#24  
Benzo(b)fluoranthene  
Concen: 0.962 ng/ul  
RT: 22.763 min Scan# 4639  
Delta R.T. -0.020 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Instrument :  
BNA\_G  
ClientSampleId :

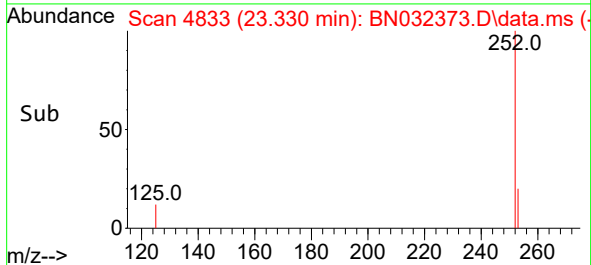
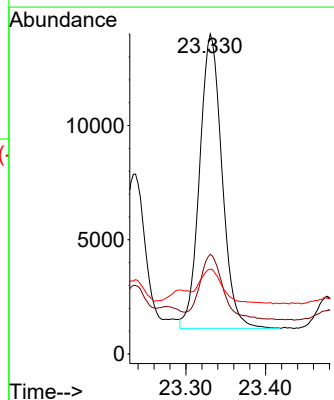
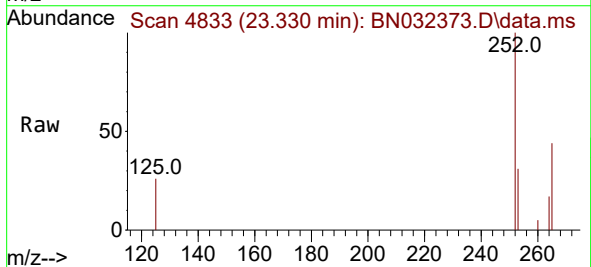


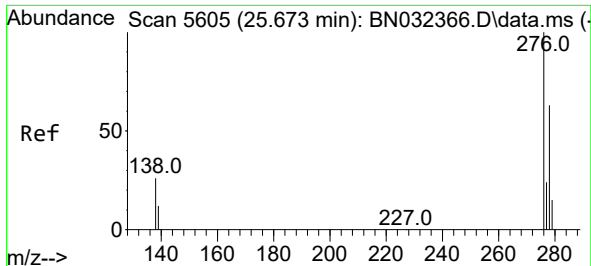
Tgt Ion:252 Resp: 90331  
Ion Ratio Lower Upper  
252 100  
253 26.1 0.0 50.2  
125 17.9 0.0 32.0



#26  
Benzo(a)pyrene  
Concen: 0.385 ng/ul  
RT: 23.330 min Scan# 4833  
Delta R.T. -0.029 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Tgt Ion:252 Resp: 25131  
Ion Ratio Lower Upper  
252 100  
253 31.1 22.2 33.2  
125 26.5 16.4 24.6#





#27

Indeno(1,2,3-cd)pyrene

Concen: 0.207 ng/ul

RT: 25.663 min Scan# 5602

Delta R.T. -0.037 min

Lab File: BN032373.D

Acq: 01 Jul 2024 21:56

Instrument :

BNA\_G

ClientSampleId :

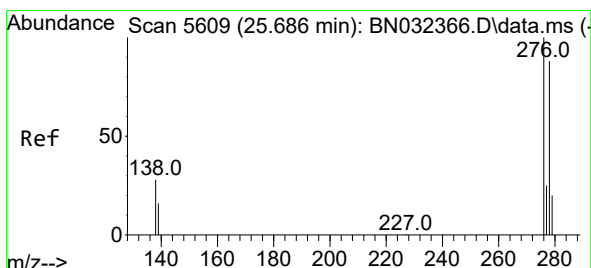
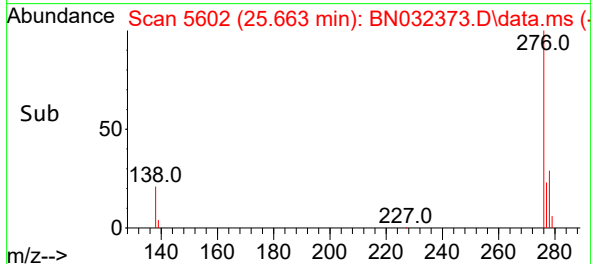
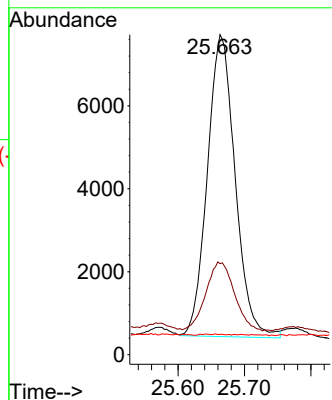
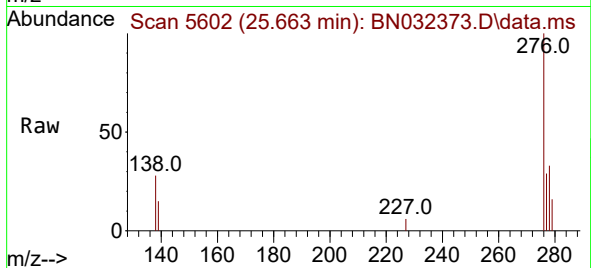
Tgt Ion:276 Resp: 21170

Ion Ratio Lower Upper

276 100

138 23.7 21.3 31.9

227 0.1 0.1 0.1#



#28

Dibenzo(a,h)anthracene

Concen: 0.102 ng/ul

RT: 25.670 min Scan# 5604

Delta R.T. -0.040 min

Lab File: BN032373.D

Acq: 01 Jul 2024 21:56

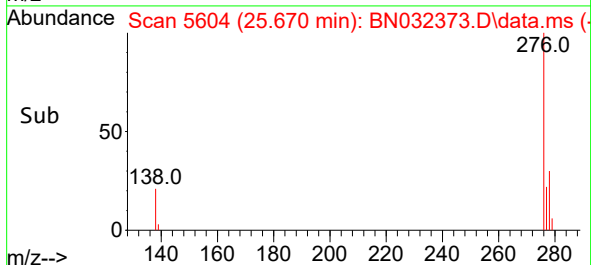
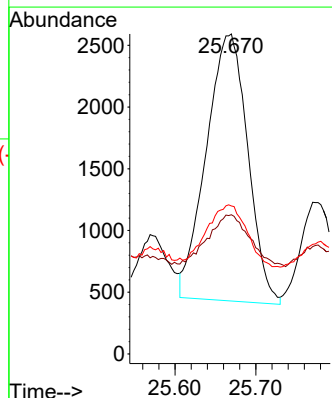
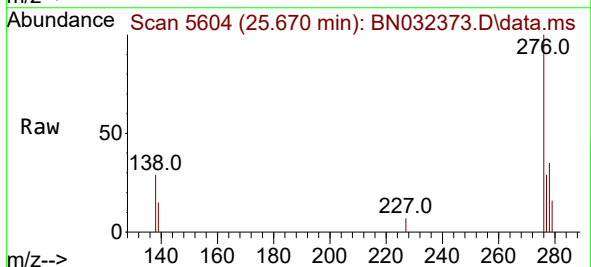
Tgt Ion:278 Resp: 7720

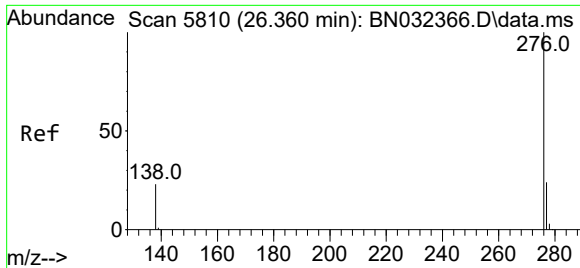
Ion Ratio Lower Upper

278 100

139 43.5 15.9 23.9#

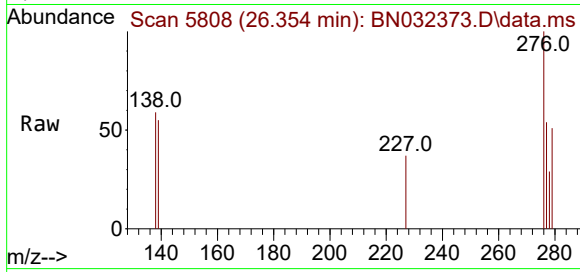
279 46.3 21.1 31.7#





#29  
Benzo(g,h,i)perylene  
Concen: 0.040 ng/ul  
RT: 26.354 min Scan# 5808  
Delta R.T. -0.027 min  
Lab File: BN032373.D  
Acq: 01 Jul 2024 21:56

Instrument :  
BNA\_G  
ClientSampleId :



Tgt Ion:276 Resp: 3257  
Ion Ratio Lower Upper  
276 100  
138 58.5 19.8 29.6#  
277 54.0 19.8 29.6#

