

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090923\  
 Data File : BN027540.D  
 Acq On : 10 Sep 2023 14:48  
 Operator : MA/JU  
 Sample : PB155304BS  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS304

Quant Time: Sep 11 01:19:30 2023  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 08 03:55:54 2023  
 Response via : Initial Calibration

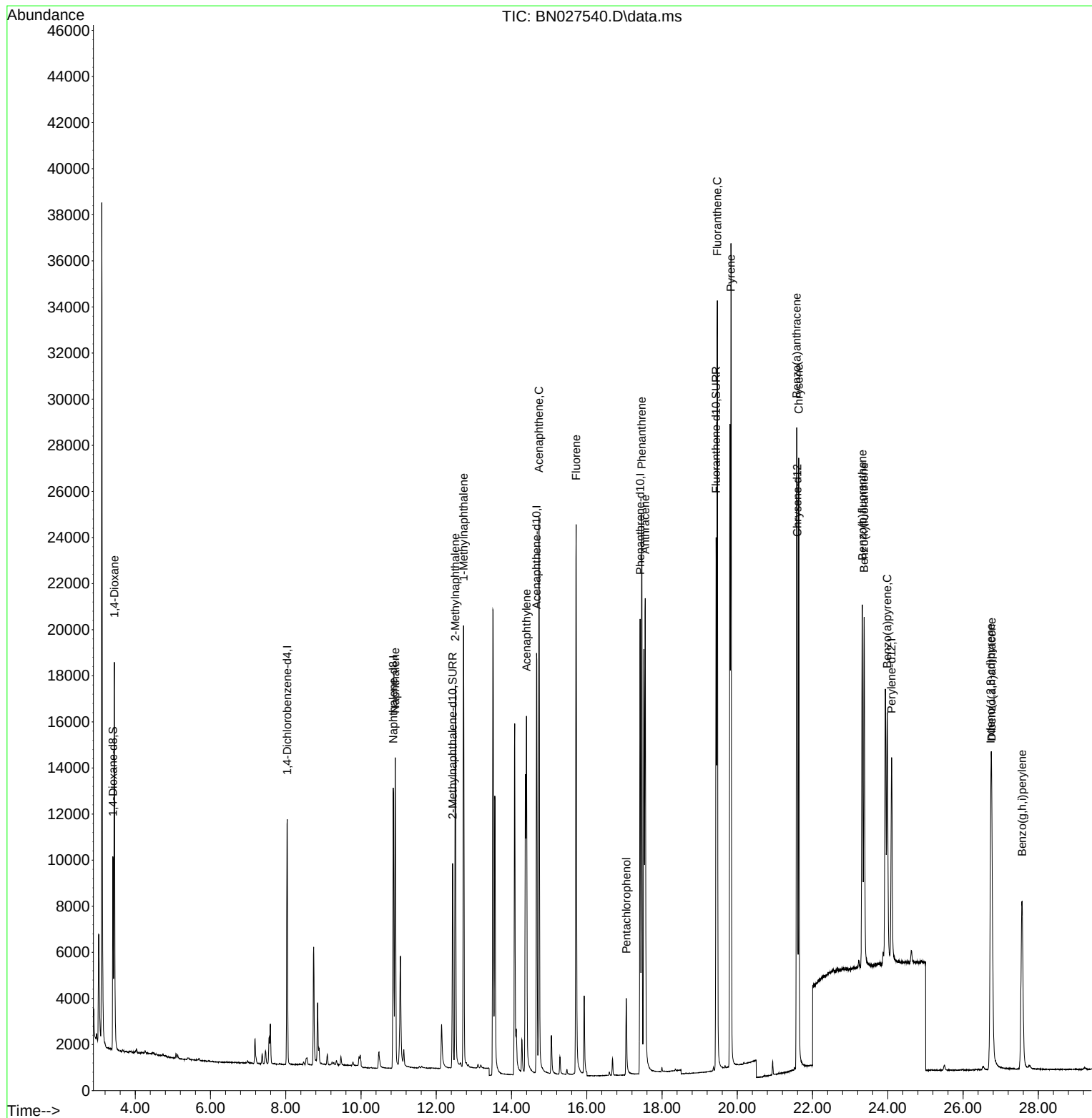
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.038  | 152  | 5448     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.856 | 136  | 17937    | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.666 | 164  | 10723    | 0.400 | ng/ul  | -0.01    |
| 13) Phenanthrene-d10        | 17.418 | 188  | 23818    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.595 | 240  | 16111    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 24.100 | 264  | 13414    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.410  | 96   | 5679     | 0.784 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.434 | 152  | 11981    | 0.440 | ng/ul  | -0.01    |
| 18) Fluoranthene-d10        | 19.436 | 212  | 26308    | 0.477 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.443  | 88   | 12155    | 1.658 | ng/ul# | 85       |
| 5) Naphthalene              | 10.911 | 128  | 18977    | 0.365 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.506 | 142  | 12399    | 0.381 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.726 | 142  | 13388    | 0.386 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.398 | 152  | 18065    | 0.368 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.731 | 153  | 14551    | 0.345 | ng/ul  | 97       |
| 12) Fluorene                | 15.716 | 166  | 16845    | 0.356 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 17.050 | 266  | 2622     | 0.565 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.460 | 178  | 26914    | 0.347 | ng/ul  | 100      |
| 16) Anthracene              | 17.553 | 178  | 23958    | 0.388 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.469 | 202  | 29433    | 0.397 | ng/ul  | 99       |
| 20) Pyrene                  | 19.831 | 202  | 30532    | 0.405 | ng/ul  | 98       |
| 21) Benzo(a)anthracene      | 21.577 | 228  | 23739    | 0.409 | ng/ul  | 100      |
| 22) Chrysene                | 21.633 | 228  | 24228    | 0.358 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.322 | 252  | 22025    | 0.348 | ng/ul  | 97       |
| 25) Benzo(k)fluoranthene    | 23.372 | 252  | 21924    | 0.354 | ng/ul  | 97       |
| 26) Benzo(a)pyrene          | 23.986 | 252  | 18008    | 0.364 | ng/ul  | 97       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.737 | 276  | 21783    | 0.396 | ng/ul# | 95       |
| 28) Dibenzo(a,h)anthracene  | 26.760 | 278  | 17394    | 0.414 | ng/ul  | 98       |
| 29) Benzo(g,h,i)perylene    | 27.568 | 276  | 18560    | 0.374 | ng/ul  | 98       |

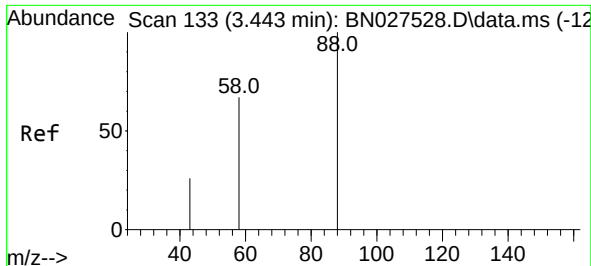
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN090923\  
Data File : BN027540.D  
Acq On : 10 Sep 2023 14:48  
Operator : MA/JU  
Sample : PB155304BS  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
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Quant Time: Sep 11 01:19:30 2023  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SFAM-EPA-SIM-BN090123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 08 03:55:54 2023  
Response via : Initial Calibration

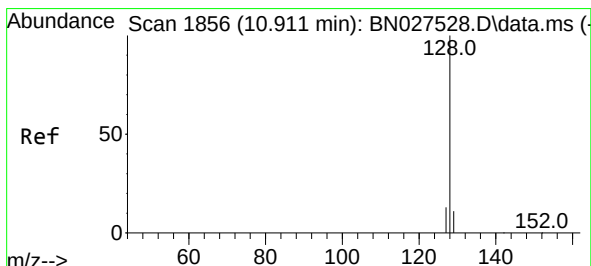
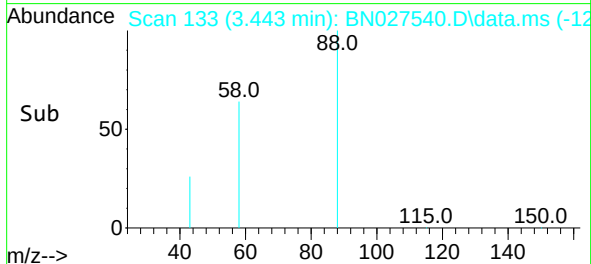
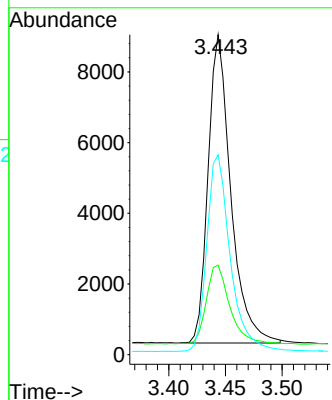
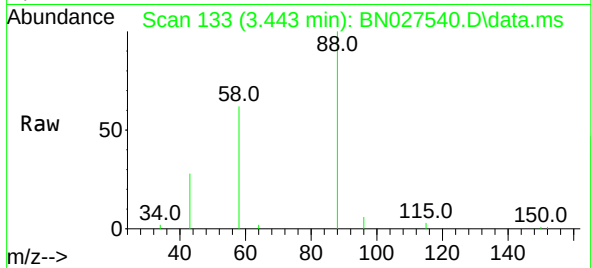




#2  
1,4-Dioxane  
Concen: 1.658 ng/ul  
RT: 3.443 min Scan# 11  
Delta R.T. -0.004 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

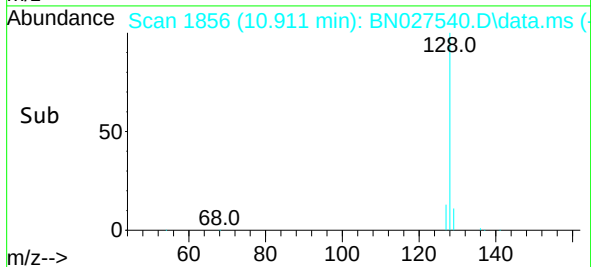
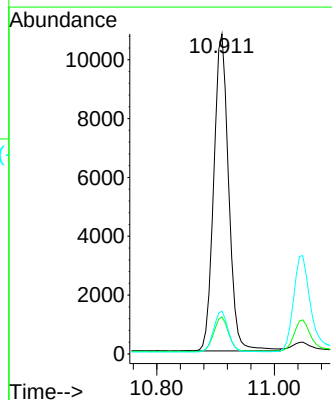
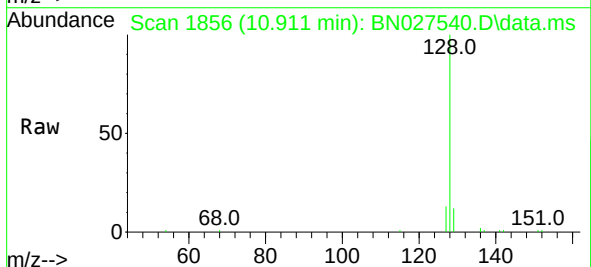
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS304

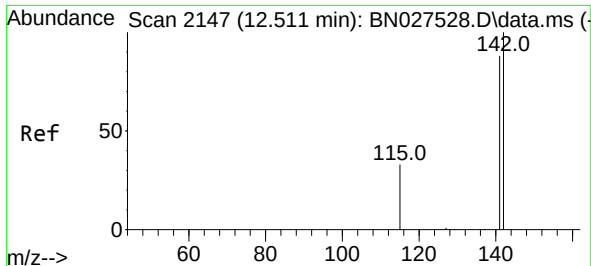
Tgt Ion: 88 Resp: 12155  
Ion Ratio Lower Upper  
88 100  
43 28.0 26.8 40.2  
58 62.5 39.9 59.9#



#5  
Naphthalene  
Concen: 0.365 ng/ul  
RT: 10.911 min Scan# 1856  
Delta R.T. -0.011 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

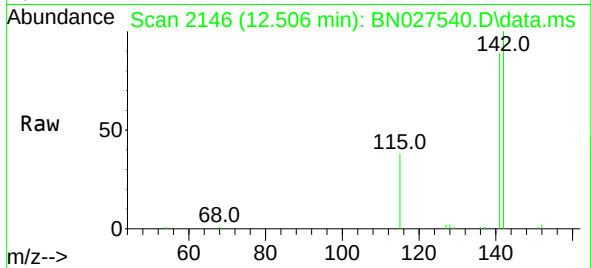
Tgt Ion: 128 Resp: 18977  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.4 14.0  
127 13.4 10.6 16.0



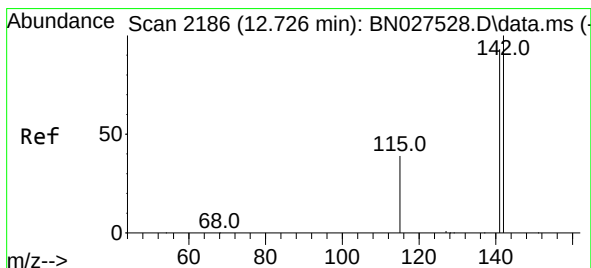
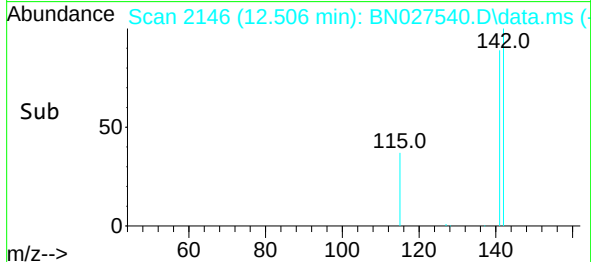
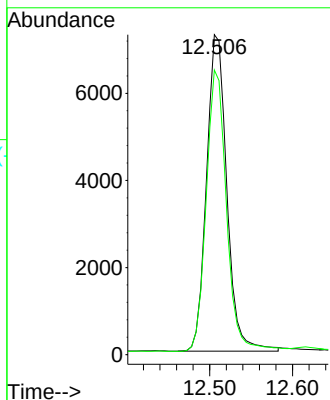


#7  
2-Methylnaphthalene  
Concen: 0.381 ng/ul  
RT: 12.506 min Scan# 2146  
Delta R.T. -0.017 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS304

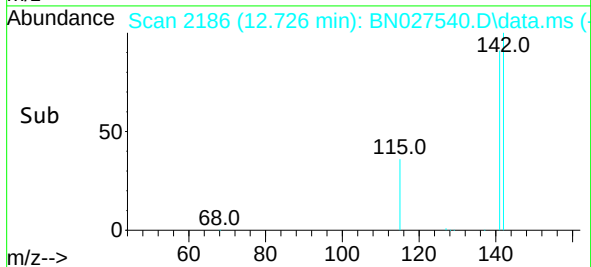
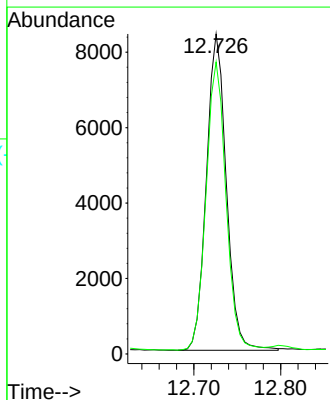
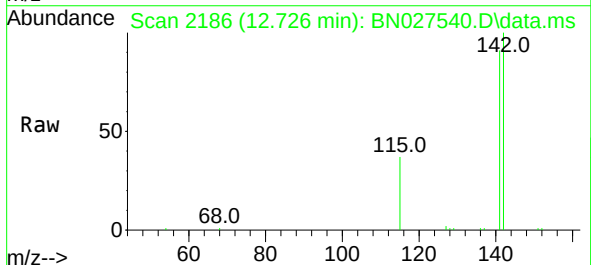


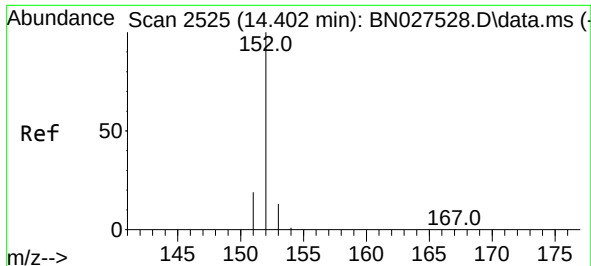
Tgt Ion:142 Resp: 12399  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.6 107.4



#8  
1-Methylnaphthalene  
Concen: 0.386 ng/ul  
RT: 12.726 min Scan# 2186  
Delta R.T. -0.011 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Tgt Ion:142 Resp: 13388  
Ion Ratio Lower Upper  
142 100  
141 91.2 73.0 109.4

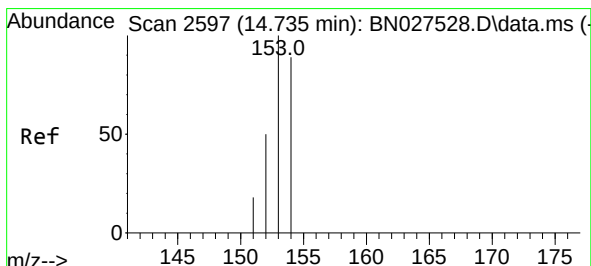
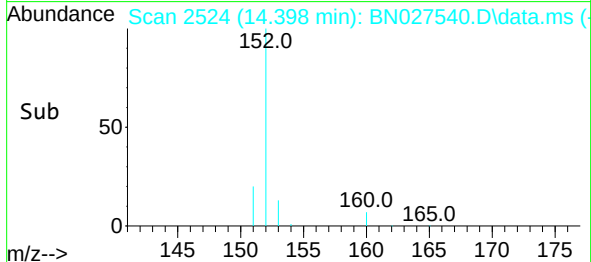
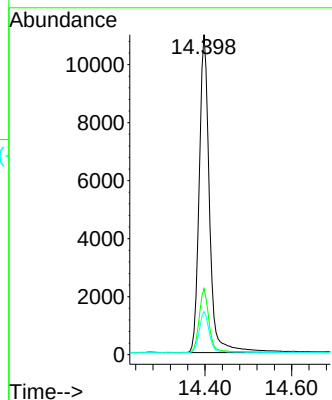
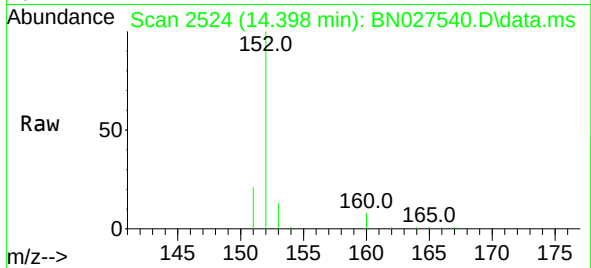




#10  
Acenaphthylene  
Concen: 0.368 ng/ul  
RT: 14.398 min Scan# 2524  
Delta R.T. -0.009 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

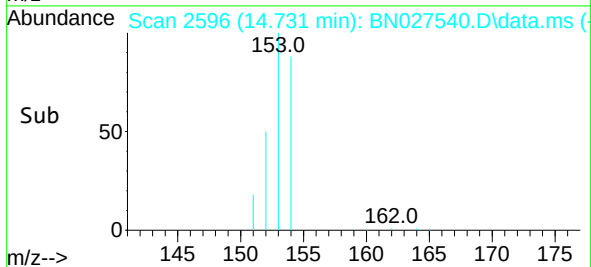
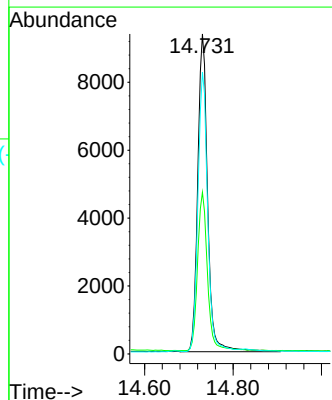
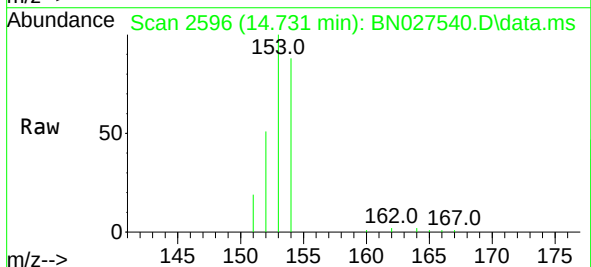
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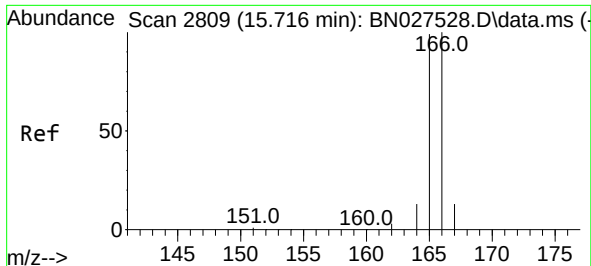
Tgt Ion:152 Resp: 18065  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.3 24.5  
153 13.4 11.1 16.7



#11  
Acenaphthene  
Concen: 0.345 ng/ul  
RT: 14.731 min Scan# 2596  
Delta R.T. -0.009 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Tgt Ion:153 Resp: 14551  
Ion Ratio Lower Upper  
153 100  
152 50.5 42.9 64.3  
154 88.1 69.4 104.0

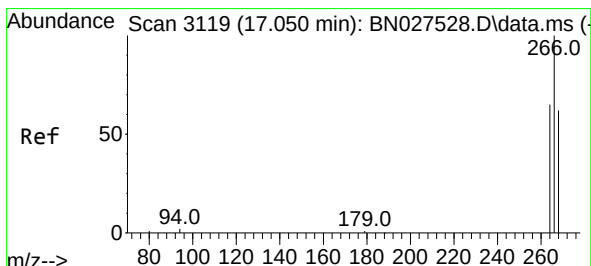
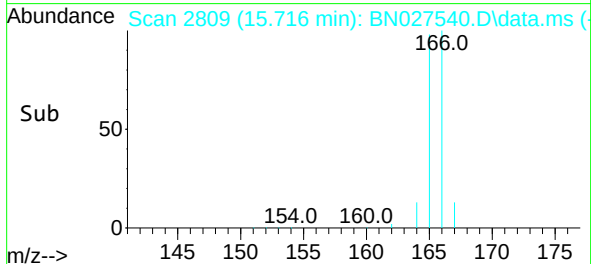
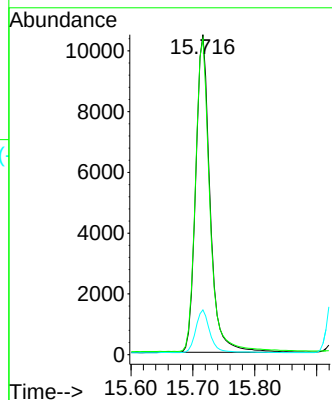
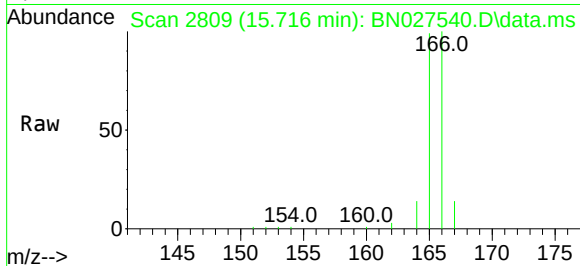




#12  
 Fluorene  
 Concen: 0.356 ng/ul  
 RT: 15.716 min Scan# 2809  
 Delta R.T. -0.009 min  
 Lab File: BN027540.D  
 Acq: 10 Sep 2023 14:48

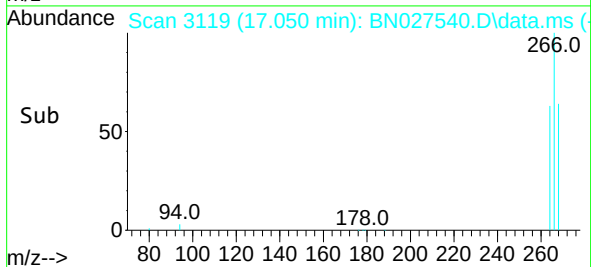
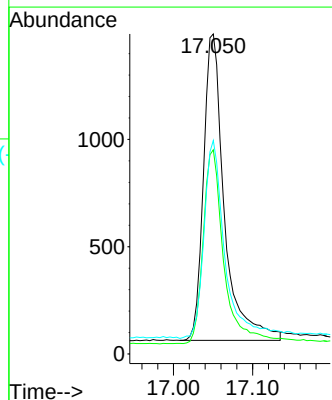
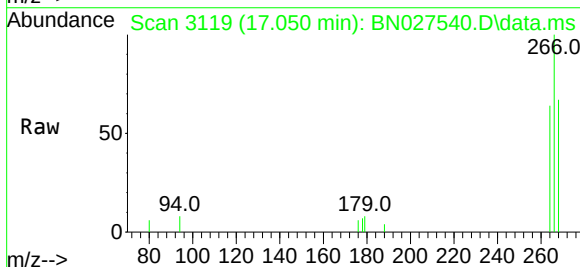
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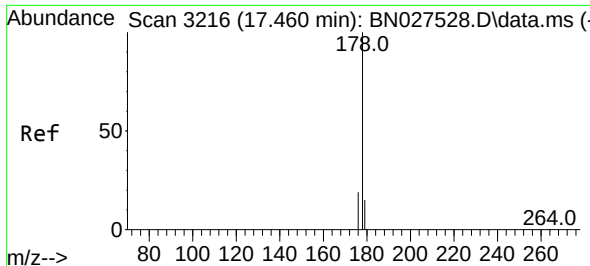
Tgt Ion:166 Resp: 16845  
 Ion Ratio Lower Upper  
 166 100  
 165 98.7 79.6 119.4  
 167 14.0 11.4 17.0



#14  
 Pentachlorophenol  
 Concen: 0.565 ng/ul  
 RT: 17.050 min Scan# 3119  
 Delta R.T. -0.009 min  
 Lab File: BN027540.D  
 Acq: 10 Sep 2023 14:48

Tgt Ion:266 Resp: 2622  
 Ion Ratio Lower Upper  
 266 100  
 264 62.5 50.4 75.6  
 268 65.3 51.9 77.9

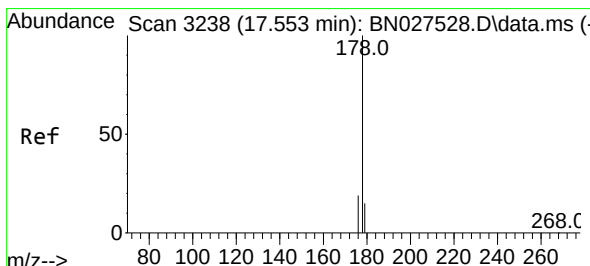
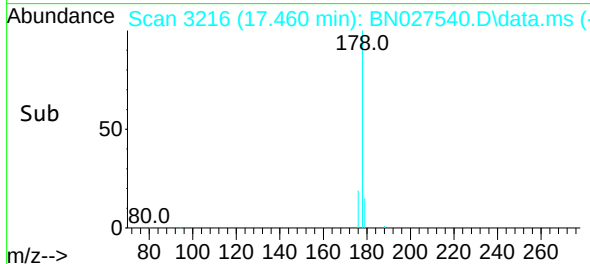
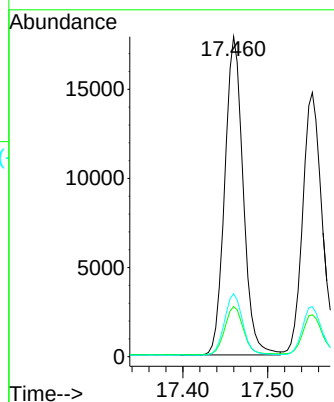
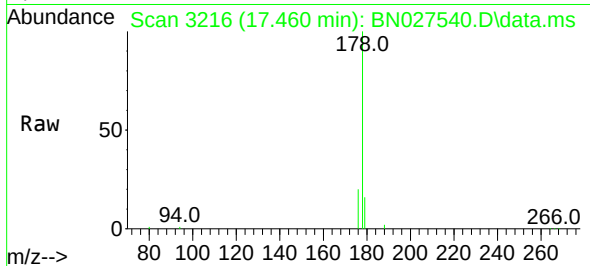




#15  
Phenanthrene  
Concen: 0.347 ng/ul  
RT: 17.460 min Scan# 3216  
Delta R.T. -0.009 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

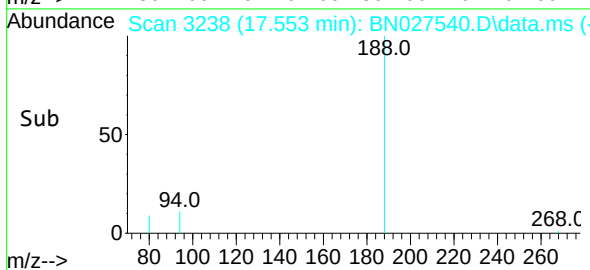
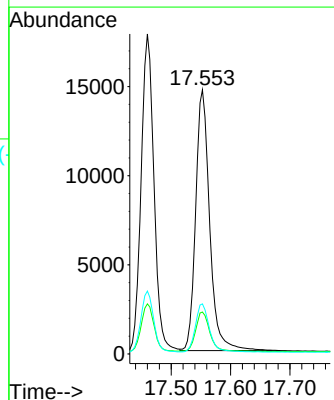
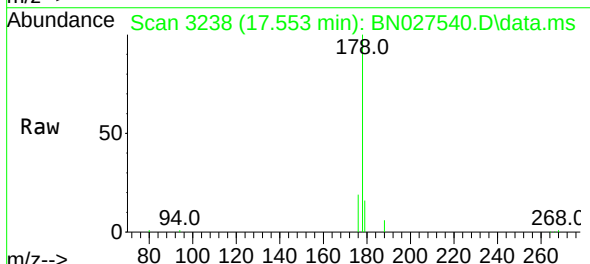
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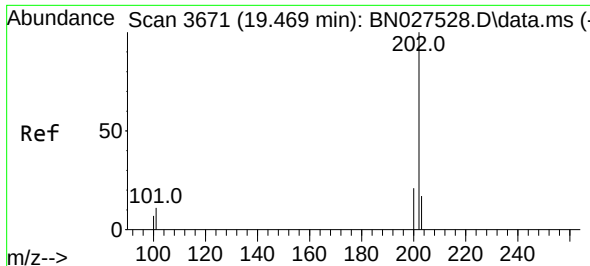
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Ion Ratio Lower Upper  
178 100  
179 15.7 12.6 19.0  
176 19.7 15.8 23.8



#16  
Anthracene  
Concen: 0.388 ng/ul  
RT: 17.553 min Scan# 3238  
Delta R.T. -0.008 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Tgt Ion:178 Resp: 23958  
Ion Ratio Lower Upper  
178 100  
179 15.9 13.0 19.6  
176 19.0 15.6 23.4

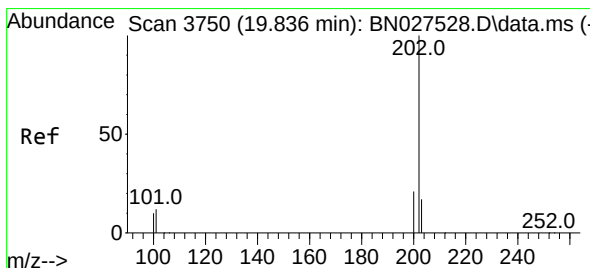
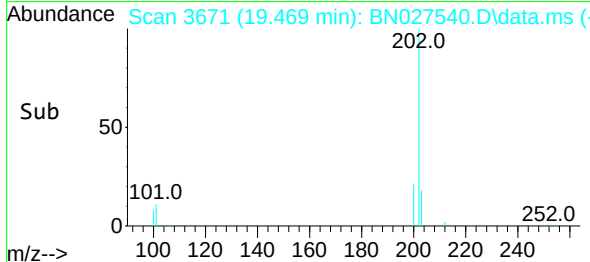
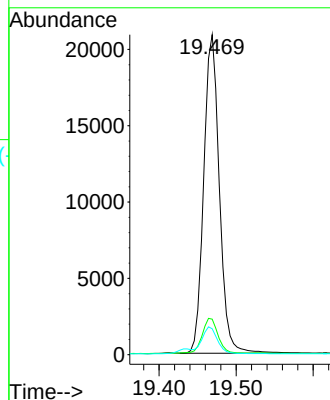
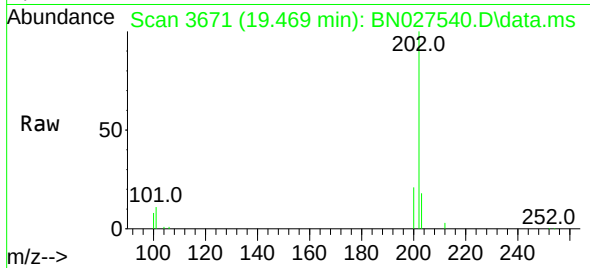




#19  
Fluoranthene  
Concen: 0.397 ng/ul  
RT: 19.469 min Scan# 3749  
Delta R.T. -0.009 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

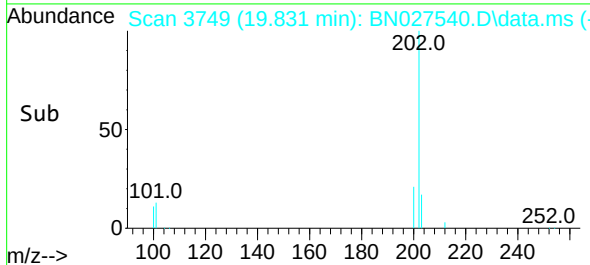
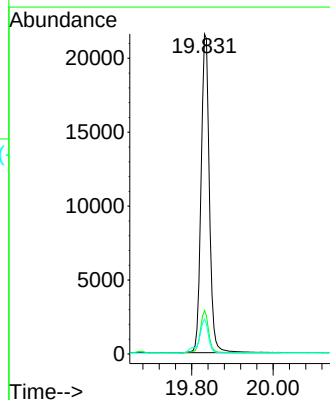
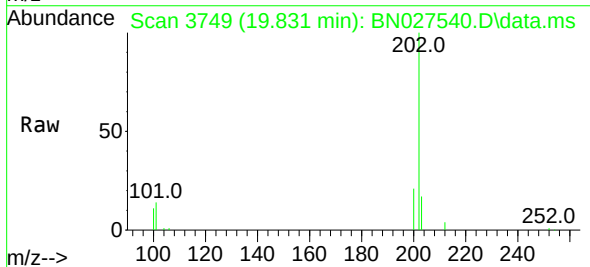
Instrument :  
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SLCS304

Tgt Ion:202 Resp: 29433  
Ion Ratio Lower Upper  
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101 11.1 9.4 14.0  
100 8.1 6.9 10.3

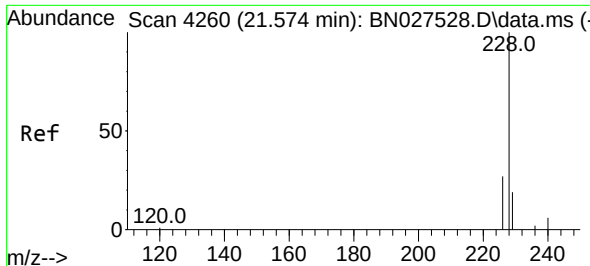


#20  
Pyrene  
Concen: 0.405 ng/ul  
RT: 19.831 min Scan# 3749  
Delta R.T. -0.009 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Tgt Ion:202 Resp: 30532  
Ion Ratio Lower Upper  
202 100  
101 13.6 11.4 17.2  
100 10.9 9.4 14.2

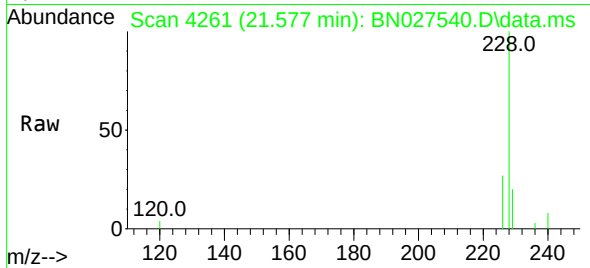




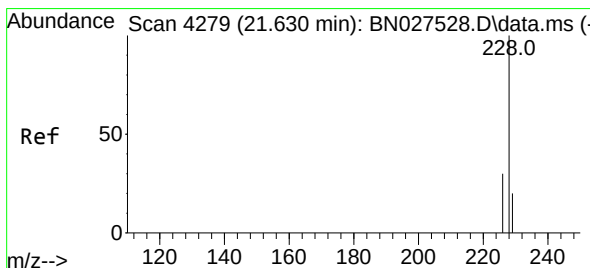
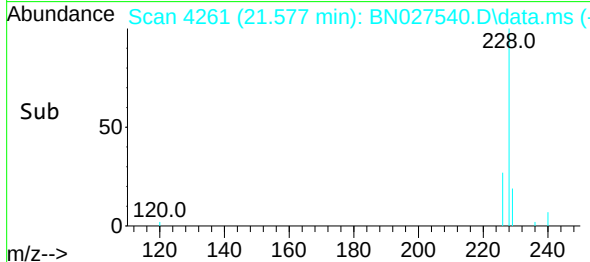
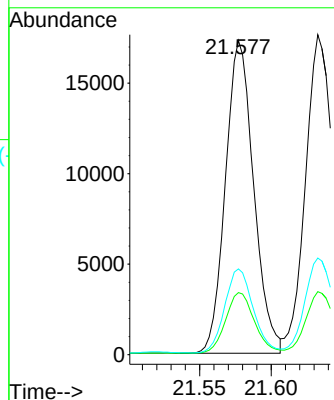


#21  
Benzo(a)anthracene  
Concen: 0.409 ng/ul  
RT: 21.577 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS304

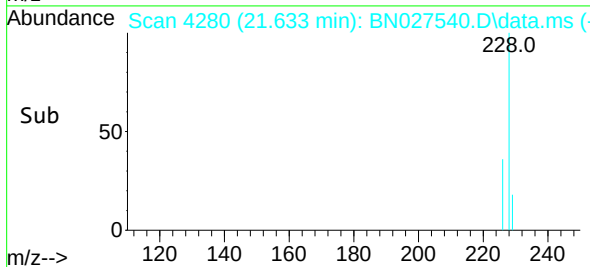
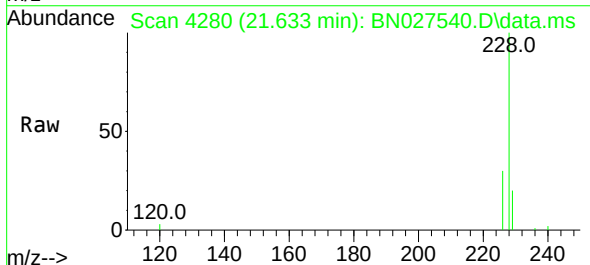
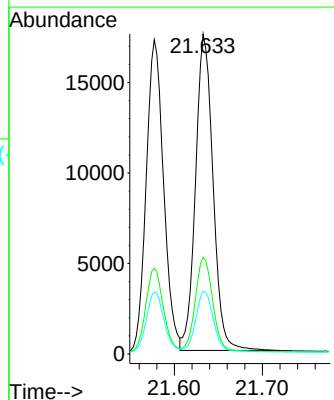


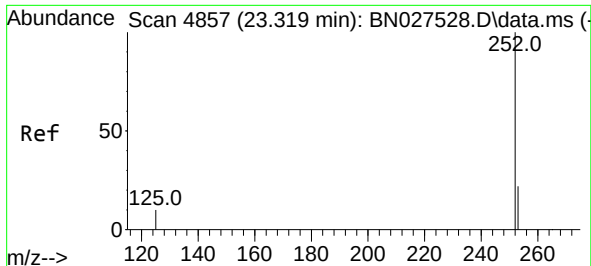
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Ion Ratio Lower Upper  
228 100  
229 19.8 15.7 23.5  
226 27.3 22.0 33.0



#22  
Chrysene  
Concen: 0.358 ng/ul  
RT: 21.633 min Scan# 4280  
Delta R.T. -0.003 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

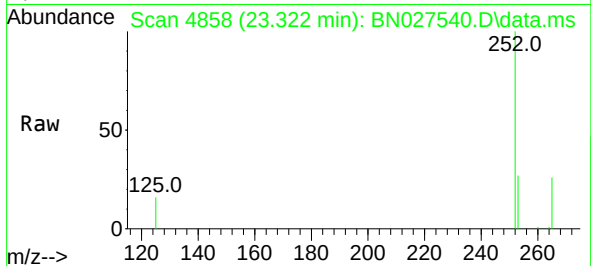
Tgt Ion:228 Resp: 24228  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.4 36.6  
229 19.7 15.6 23.4



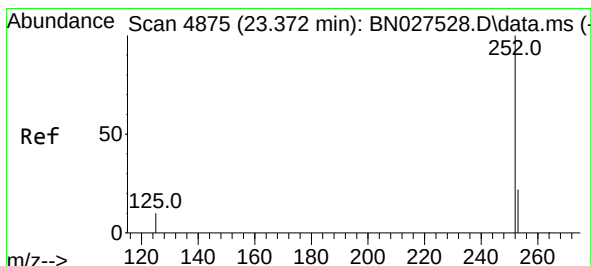
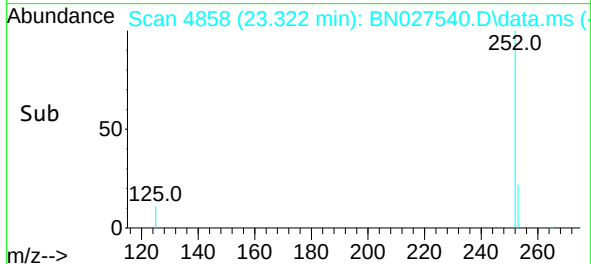
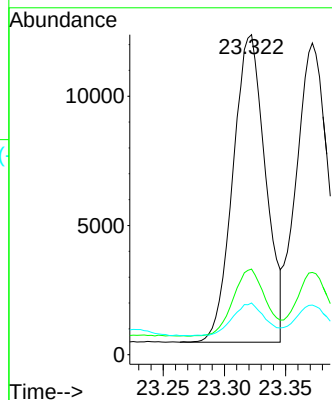


#24  
Benzo(b)fluoranthene  
Concen: 0.348 ng/ul  
RT: 23.322 min Scan# 4858  
Delta R.T. -0.006 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS304

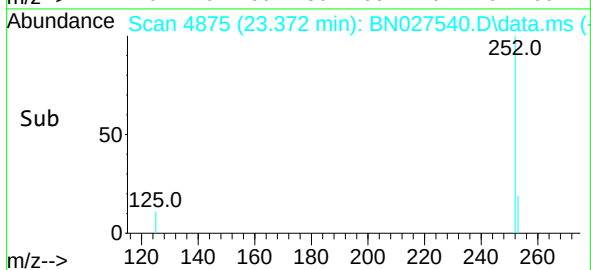
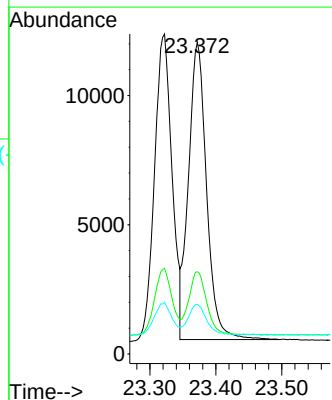
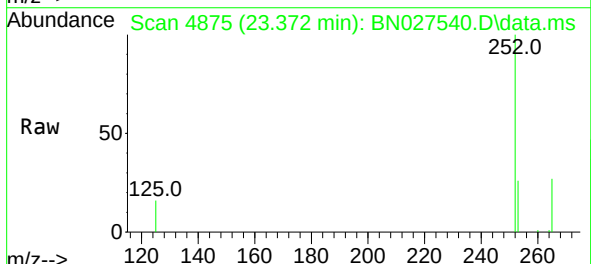


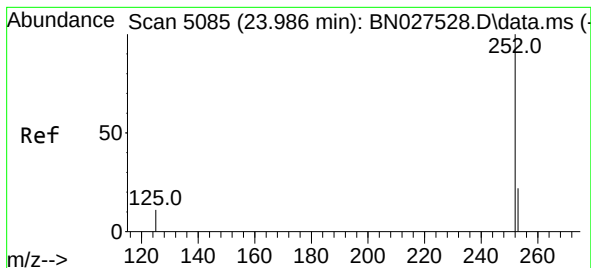
Tgt Ion:252 Resp: 22025  
Ion Ratio Lower Upper  
252 100  
253 26.7 0.0 49.6  
125 16.2 0.0 33.8



#25  
Benzo(k)fluoranthene  
Concen: 0.354 ng/ul  
RT: 23.372 min Scan# 4875  
Delta R.T. -0.006 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Tgt Ion:252 Resp: 21924  
Ion Ratio Lower Upper  
252 100  
253 26.4 19.9 29.9  
125 15.9 13.6 20.4





#26

Benzo(a)pyrene

Concen: 0.364 ng/ul

RT: 23.986 min Scan# 5085

Delta R.T. -0.009 min

Lab File: BN027540.D

Acq: 10 Sep 2023 14:48

Instrument :

BNA\_N

ClientSampleId :

SLCS304

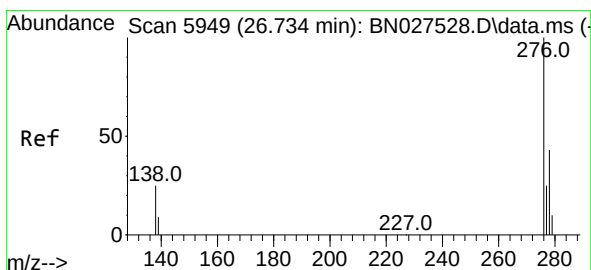
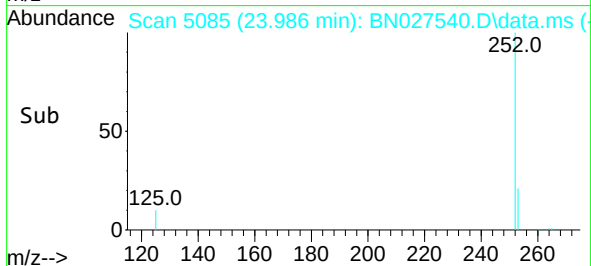
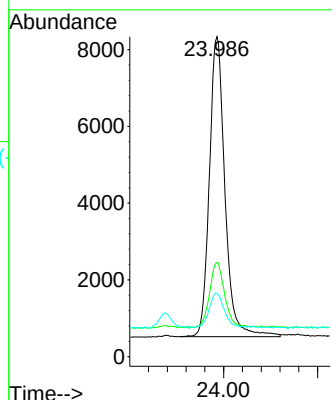
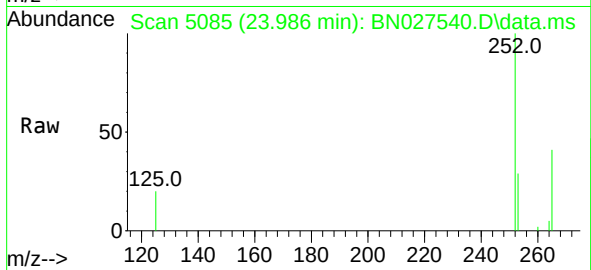
Tgt Ion:252 Resp: 18008

Ion Ratio Lower Upper

252 100

253 29.4 22.4 33.6

125 19.8 17.4 26.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.396 ng/ul

RT: 26.737 min Scan# 5950

Delta R.T. -0.017 min

Lab File: BN027540.D

Acq: 10 Sep 2023 14:48

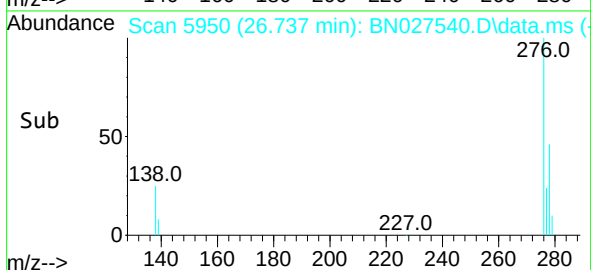
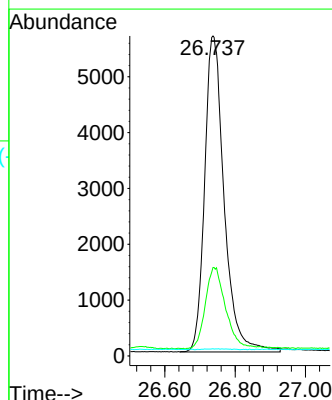
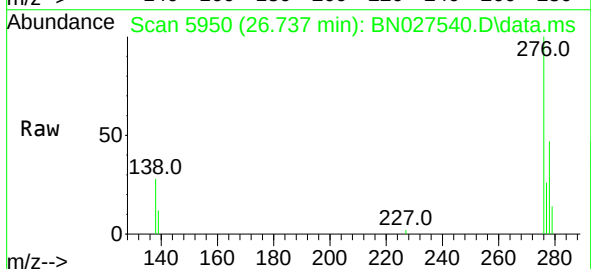
Tgt Ion:276 Resp: 21783

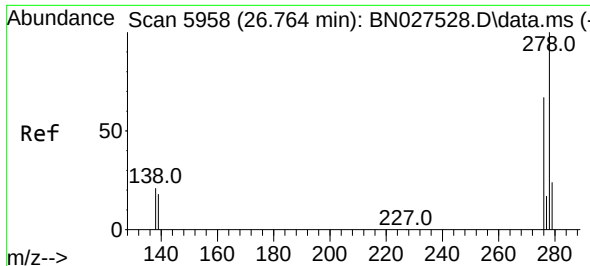
Ion Ratio Lower Upper

276 100

138 27.2 23.9 35.9

227 0.0 0.1 0.1#

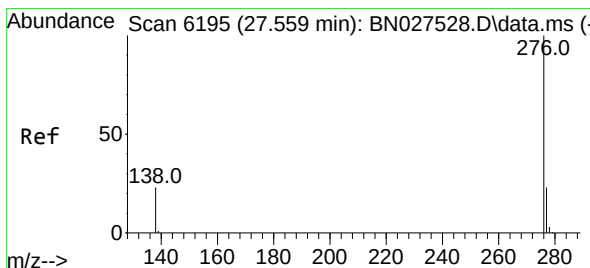
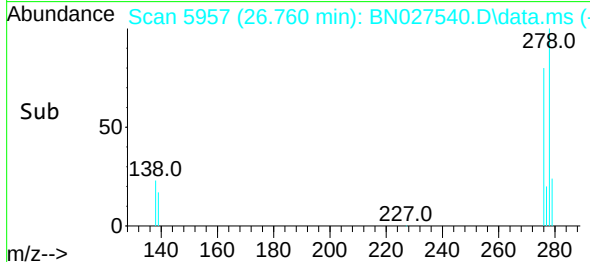
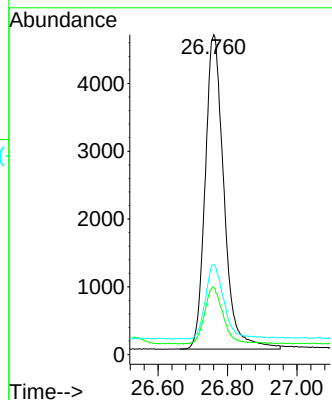
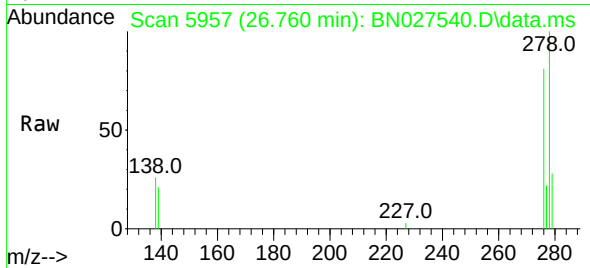




#28  
Dibenzo(a,h)anthracene  
Concen: 0.414 ng/ul  
RT: 26.760 min Scan# 5958  
Delta R.T. -0.017 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS304

Tgt Ion:278 Resp: 17394  
Ion Ratio Lower Upper  
278 100  
139 20.9 18.0 27.0  
279 28.2 22.7 34.1



#29  
Benzo(g,h,i)perylene  
Concen: 0.374 ng/ul  
RT: 27.568 min Scan# 6198  
Delta R.T. -0.014 min  
Lab File: BN027540.D  
Acq: 10 Sep 2023 14:48

Tgt Ion:276 Resp: 18560  
Ion Ratio Lower Upper  
276 100  
138 26.2 22.1 33.1  
277 25.6 20.2 30.4

