

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
 Data File : BN028125.D  
 Acq On : 07 Oct 2023 17:13  
 Operator : MA/JU  
 Sample : PB155974BS  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS974

Quant Time: Oct 08 00:52:07 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN100323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 06 05:15:40 2023  
 Response via : Initial Calibration

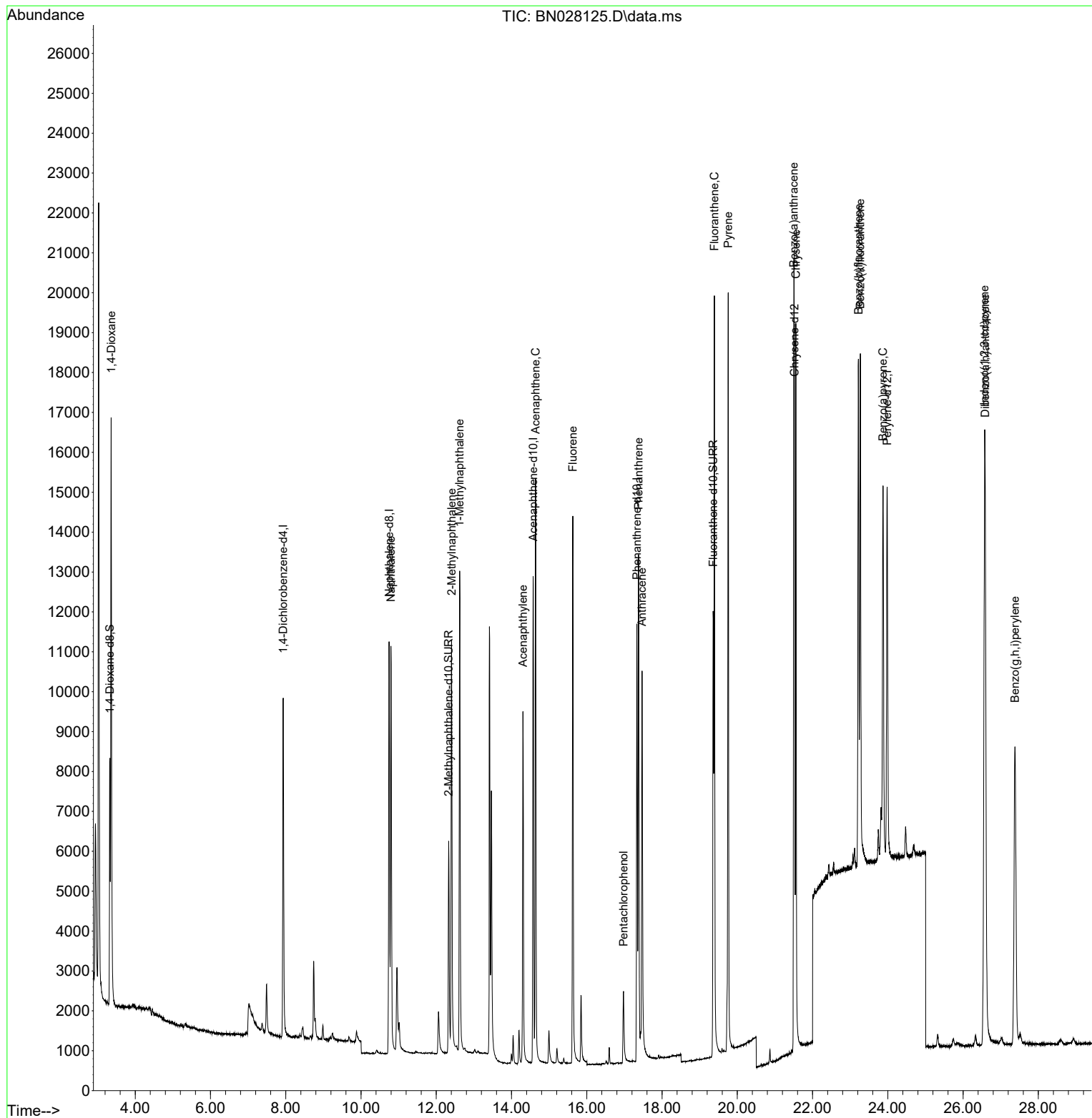
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.933  | 152  | 4971     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.746 | 136  | 15278    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.578 | 164  | 7421     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.333 | 188  | 13949    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.519 | 240  | 12310    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.980 | 264  | 13703    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.326  | 96   | 4582     | 0.734 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.330 | 152  | 7743     | 0.315 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.357 | 212  | 13743    | 0.352 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.359  | 88   | 11412    | 1.726 | ng/ul# | 86       |
| 5) Naphthalene              | 10.795 | 128  | 14718    | 0.339 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.407 | 142  | 8510     | 0.311 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.621 | 142  | 9031     | 0.319 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.305 | 152  | 11271    | 0.335 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.638 | 153  | 9123     | 0.340 | ng/ul  | 100      |
| 12) Fluorene                | 15.628 | 166  | 9675     | 0.325 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.974 | 266  | 1661     | 0.555 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.375 | 178  | 14568    | 0.350 | ng/ul  | 99       |
| 16) Anthracene              | 17.468 | 178  | 12734    | 0.342 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.390 | 202  | 16335    | 0.348 | ng/ul  | 99       |
| 20) Pyrene                  | 19.757 | 202  | 17039    | 0.350 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.501 | 228  | 16012    | 0.356 | ng/ul  | 99       |
| 22) Chrysene                | 21.557 | 228  | 16638    | 0.367 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 23.220 | 252  | 17786    | 0.350 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.269 | 252  | 18111    | 0.358 | ng/ul  | 96       |
| 26) Benzo(a)pyrene          | 23.872 | 252  | 15591    | 0.360 | ng/ul  | 95       |
| 27) Indeno(1,2,3-cd)pyrene  | 26.572 | 276  | 21531    | 0.411 | ng/ul# | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.586 | 278  | 17573    | 0.412 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 27.377 | 276  | 18309    | 0.427 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

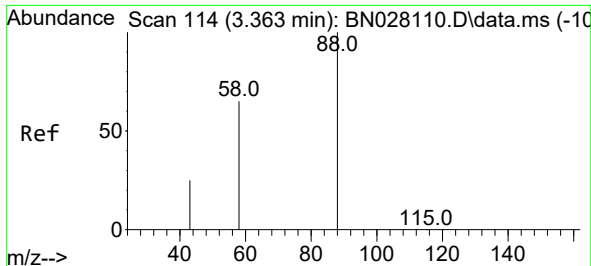
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100523\  
Data File : BN028125.D  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 06 05:15:40 2023  
Response via : Initial Calibration

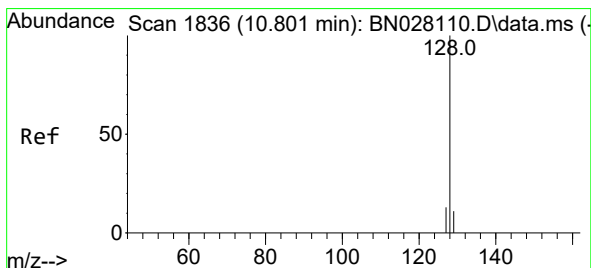
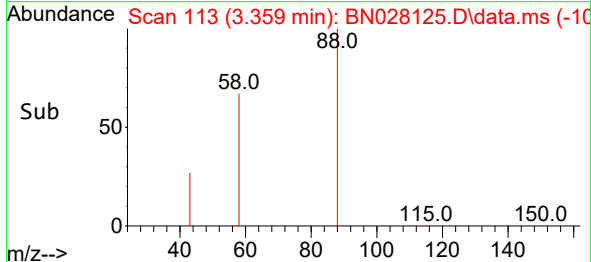
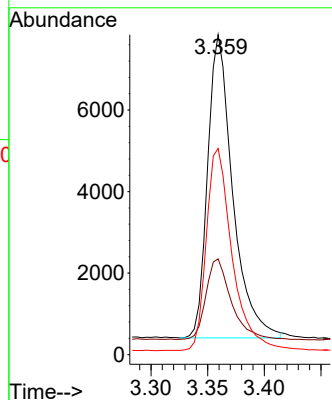
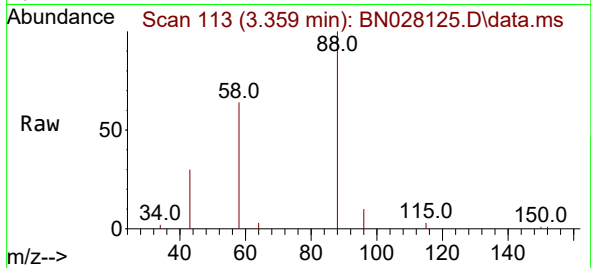




#2  
1,4-Dioxane  
Concen: 1.726 ng/ul  
RT: 3.359 min Scan# 114  
Delta R.T. -0.004 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

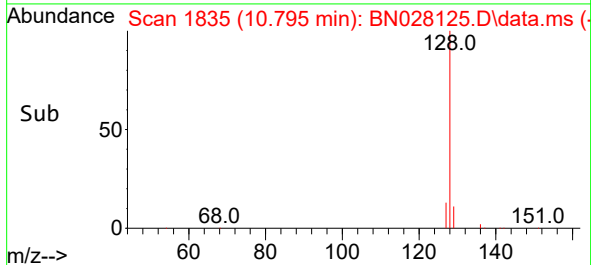
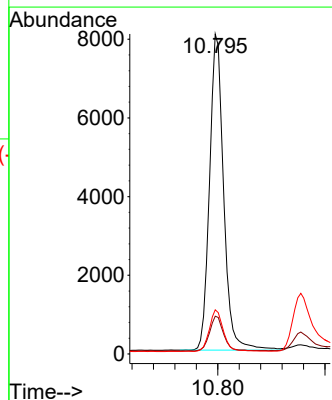
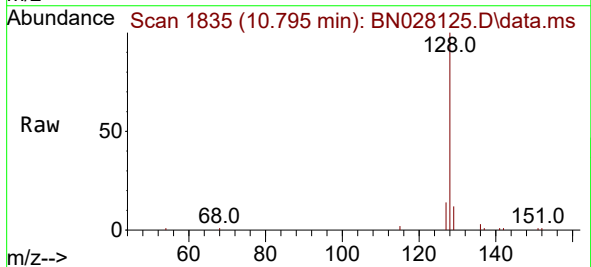
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS974

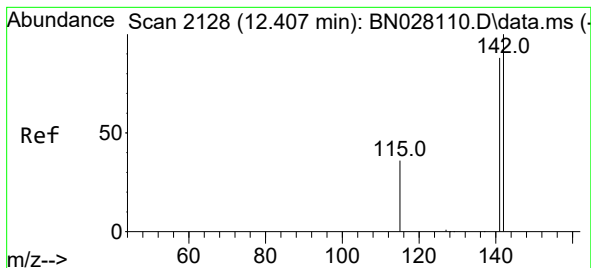
Tgt Ion: 88 Resp: 11412  
Ion Ratio Lower Upper  
88 100  
43 29.9 33.4 50.2#  
58 64.4 45.7 68.5



#5  
Naphthalene  
Concen: 0.339 ng/ul  
RT: 10.795 min Scan# 1835  
Delta R.T. -0.011 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:128 Resp: 14718  
Ion Ratio Lower Upper  
128 100  
129 11.8 9.4 14.0  
127 13.8 11.0 16.4

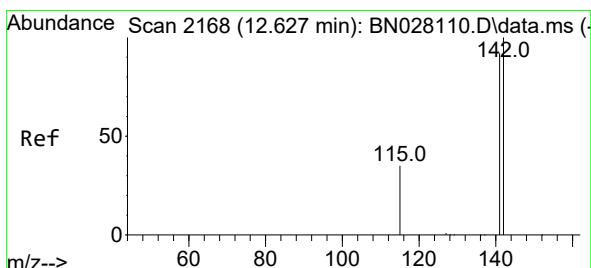
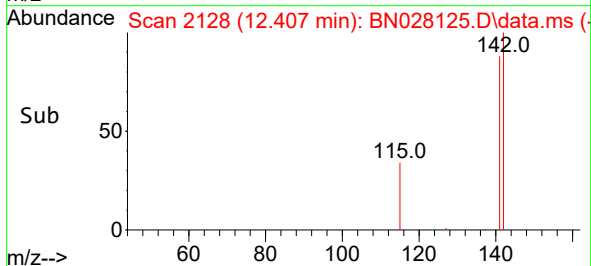
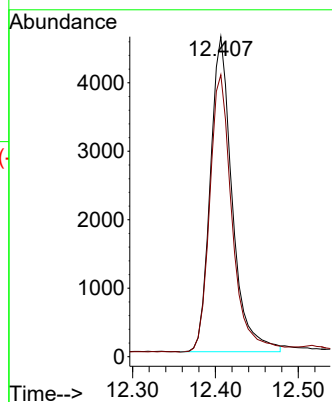
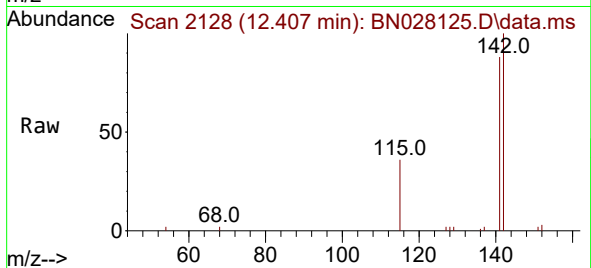




#7  
2-Methylnaphthalene  
Concen: 0.311 ng/ul  
RT: 12.407 min Scan# 2128  
Delta R.T. -0.006 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

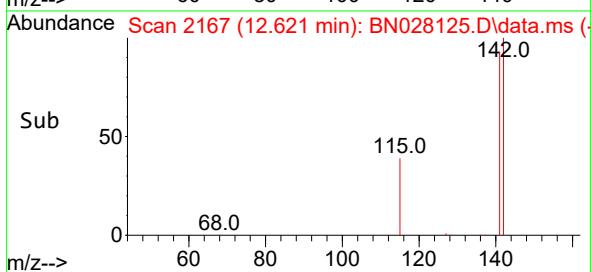
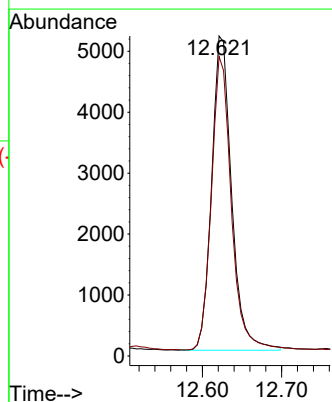
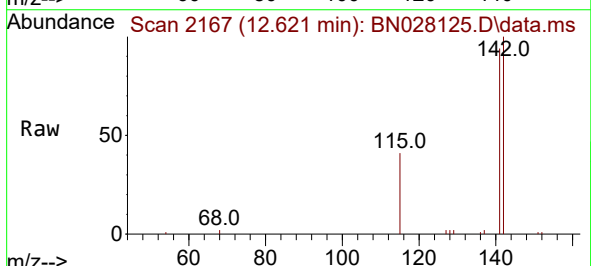
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS974

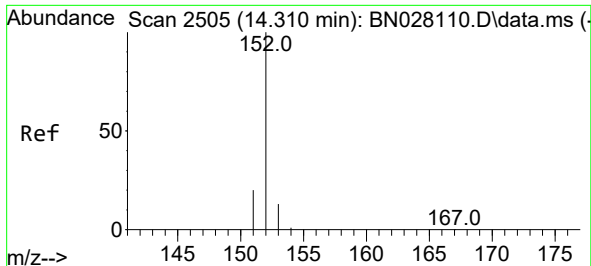
Tgt Ion:142 Resp: 8510  
Ion Ratio Lower Upper  
142 100  
141 89.6 70.9 106.3



#8  
1-Methylnaphthalene  
Concen: 0.319 ng/ul  
RT: 12.621 min Scan# 2167  
Delta R.T. -0.006 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:142 Resp: 9031  
Ion Ratio Lower Upper  
142 100  
141 92.6 74.4 111.6

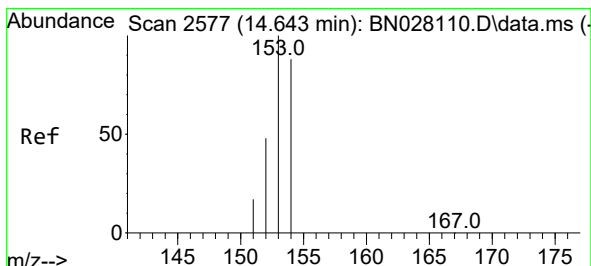
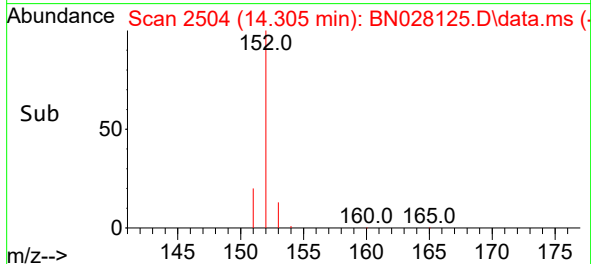
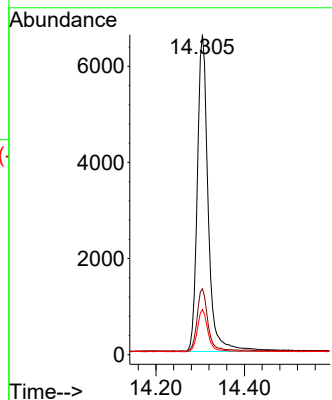
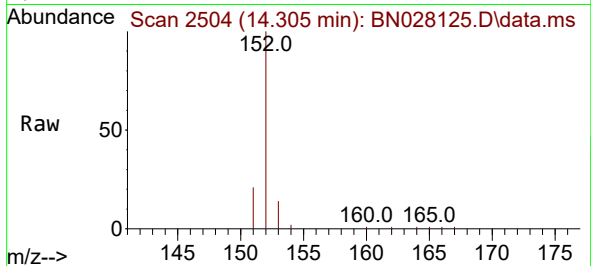




#10  
Acenaphthylene  
Concen: 0.335 ng/ul  
RT: 14.305 min Scan# 2504  
Delta R.T. -0.005 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

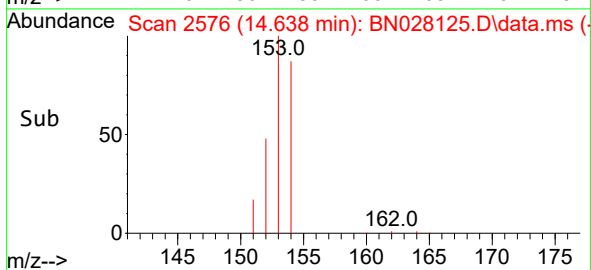
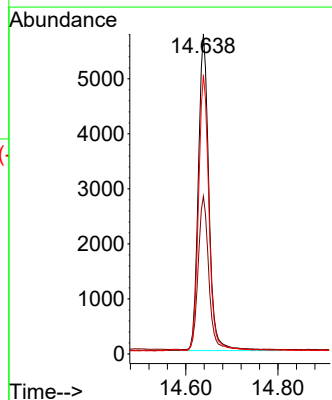
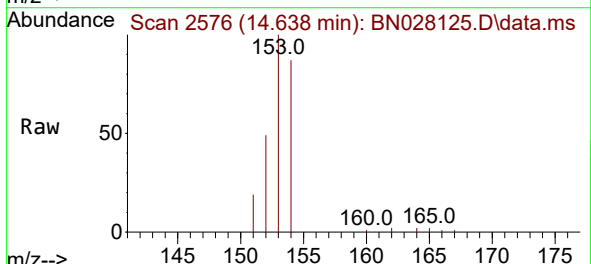
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ClientSampleId :  
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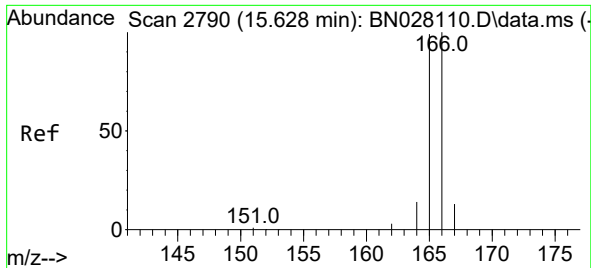
Tgt Ion:152 Resp: 11271  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.4 24.6  
153 14.1 10.9 16.3



#11  
Acenaphthene  
Concen: 0.340 ng/ul  
RT: 14.638 min Scan# 2576  
Delta R.T. -0.005 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:153 Resp: 9123  
Ion Ratio Lower Upper  
153 100  
152 49.3 39.4 59.0  
154 87.2 70.2 105.4

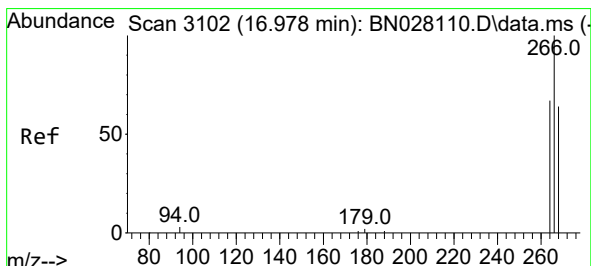
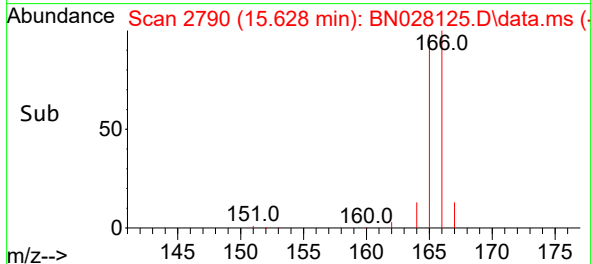
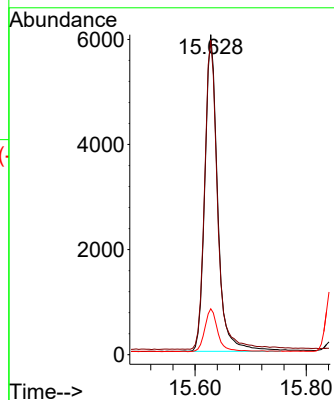
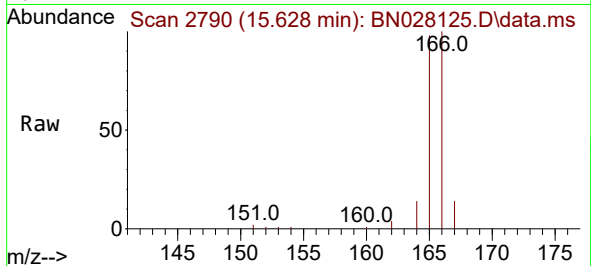




#12  
Fluorene  
Concen: 0.325 ng/ul  
RT: 15.628 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

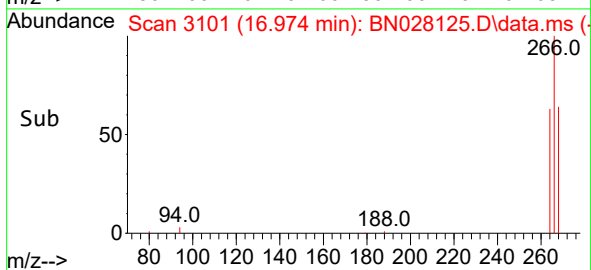
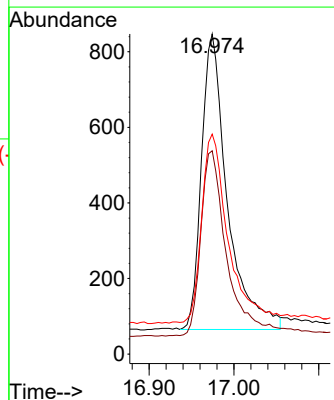
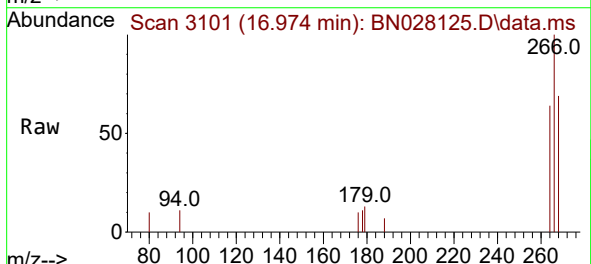
Instrument :  
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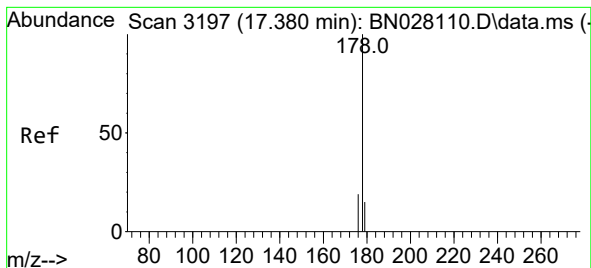
Tgt Ion:166 Resp: 9675  
Ion Ratio Lower Upper  
166 100  
165 98.3 78.5 117.7  
167 14.4 11.2 16.8



#14  
Pentachlorophenol  
Concen: 0.555 ng/ul  
RT: 16.974 min Scan# 3101  
Delta R.T. 0.004 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:266 Resp: 1661  
Ion Ratio Lower Upper  
266 100  
264 62.7 49.6 74.4  
268 66.0 52.2 78.4





#15

Phenanthrene

Concen: 0.350 ng/ul

RT: 17.375 min Scan# 3197

Delta R.T. -0.000 min

Lab File: BN028125.D

Acq: 07 Oct 2023 17:13

Instrument :

BNA\_N

ClientSampleId :

SLCS974

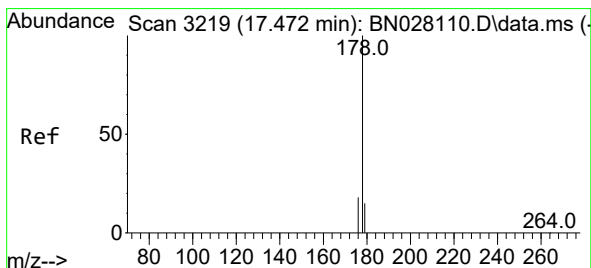
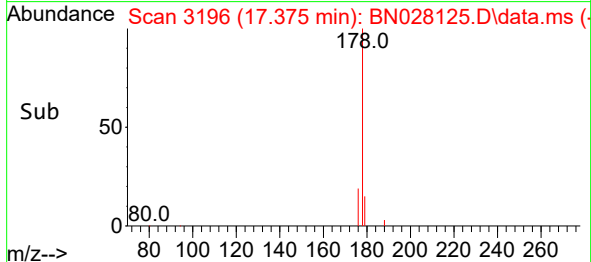
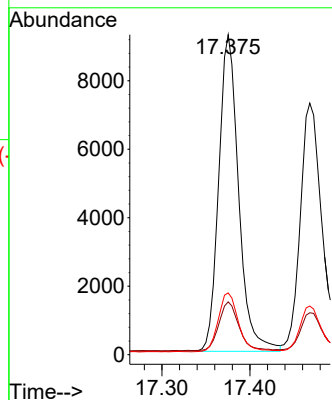
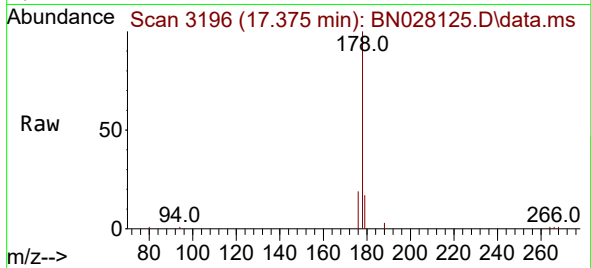
Tgt Ion:178 Resp: 14568

Ion Ratio Lower Upper

178 100

179 16.5 12.6 19.0

176 19.3 15.5 23.3



#16

Anthracene

Concen: 0.342 ng/ul

RT: 17.468 min Scan# 3218

Delta R.T. -0.000 min

Lab File: BN028125.D

Acq: 07 Oct 2023 17:13

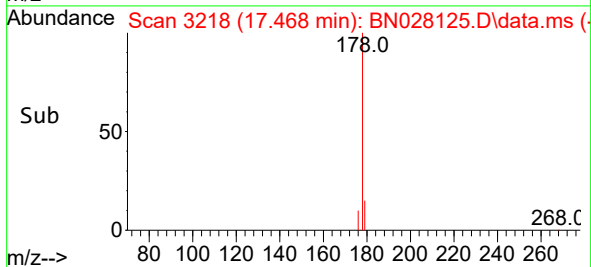
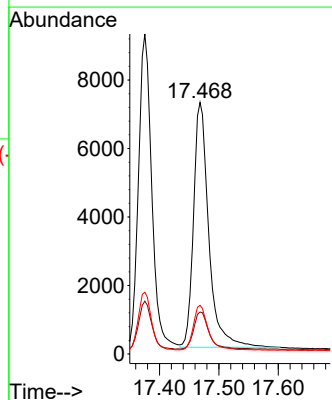
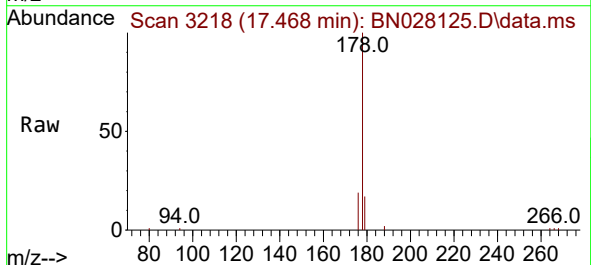
Tgt Ion:178 Resp: 12734

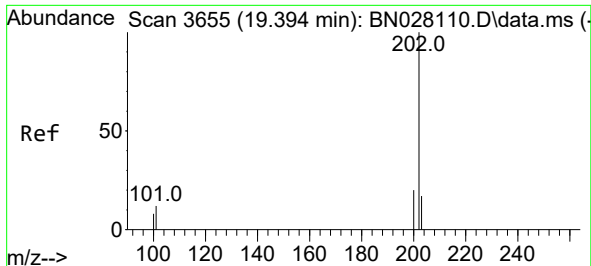
Ion Ratio Lower Upper

178 100

179 16.7 12.8 19.2

176 19.4 15.0 22.6

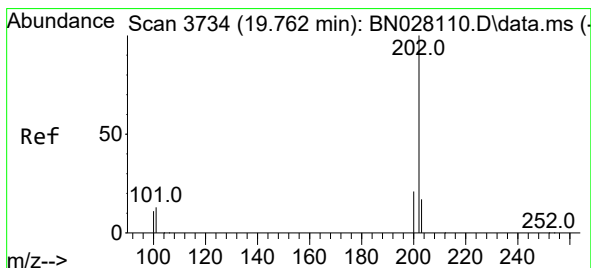
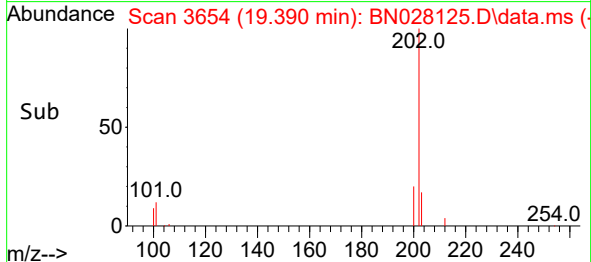
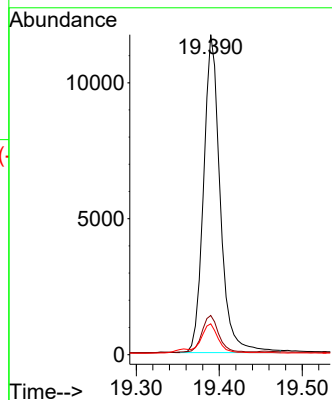
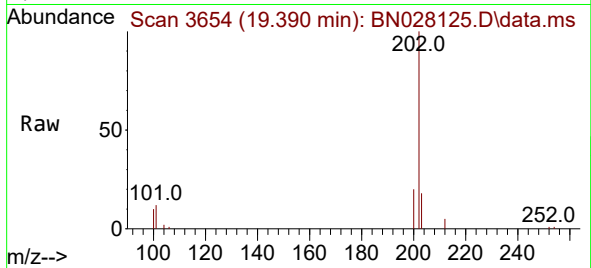




#19  
Fluoranthene  
Concen: 0.348 ng/ul  
RT: 19.390 min Scan# 3655  
Delta R.T. -0.000 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

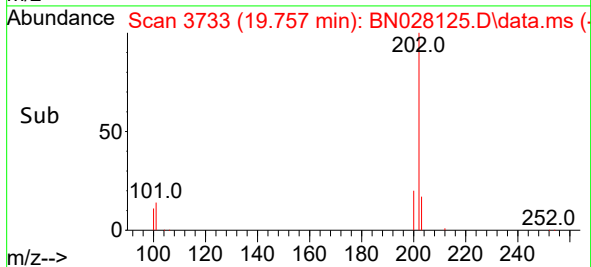
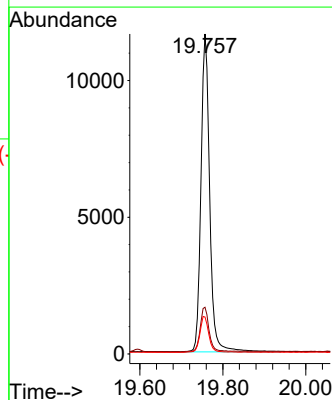
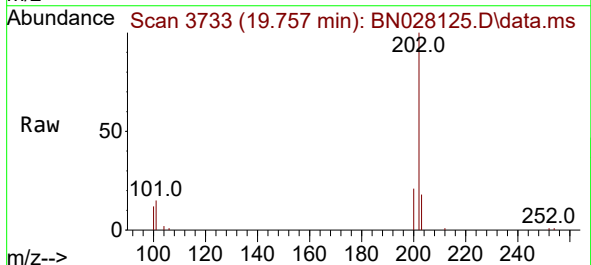
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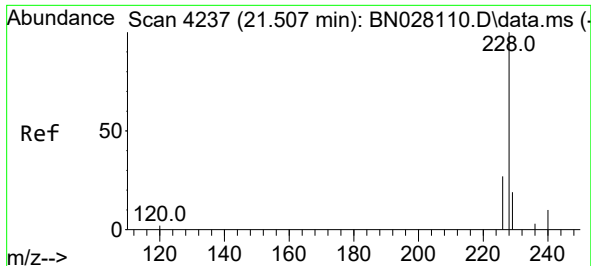
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Ion Ratio Lower Upper  
202 100  
101 12.3 9.6 14.4  
100 9.7 7.4 11.0



#20  
Pyrene  
Concen: 0.350 ng/ul  
RT: 19.757 min Scan# 3733  
Delta R.T. -0.000 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:202 Resp: 17039  
Ion Ratio Lower Upper  
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101 14.6 11.2 16.8  
100 11.6 9.1 13.7

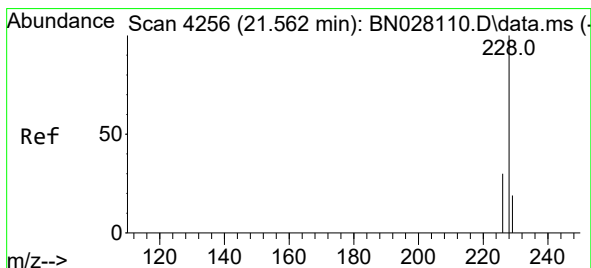
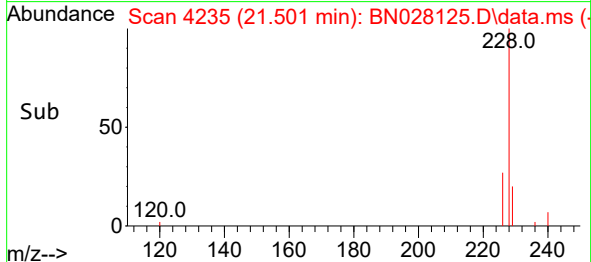
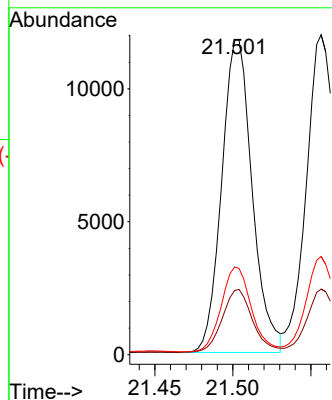
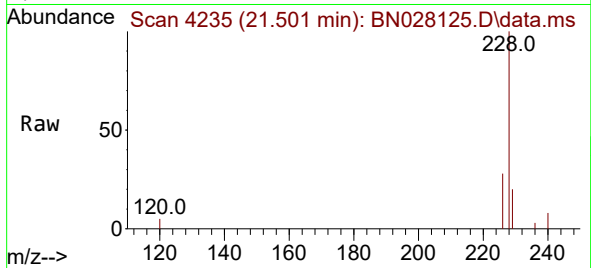




#21  
Benzo(a)anthracene  
Concen: 0.356 ng/ul  
RT: 21.501 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

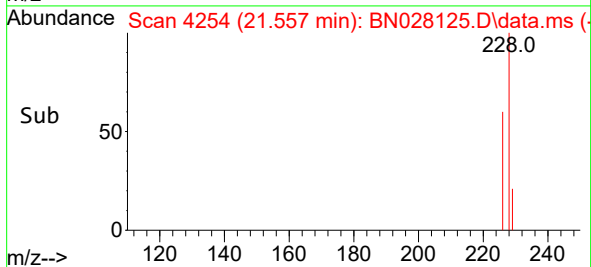
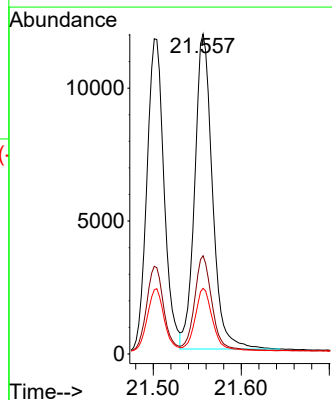
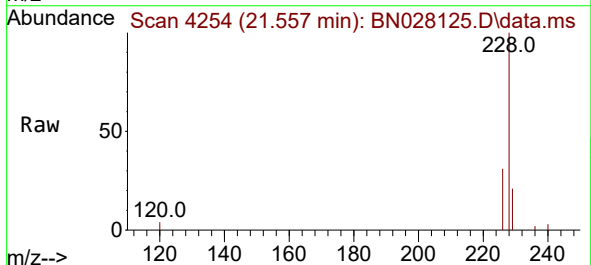
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS974

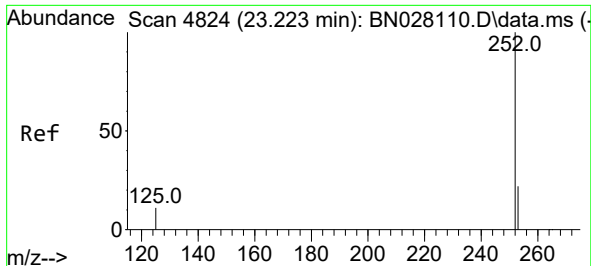
Tgt Ion:228 Resp: 16012  
Ion Ratio Lower Upper  
228 100  
229 20.4 16.0 24.0  
226 27.8 21.5 32.3



#22  
Chrysene  
Concen: 0.367 ng/ul  
RT: 21.557 min Scan# 4254  
Delta R.T. -0.000 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

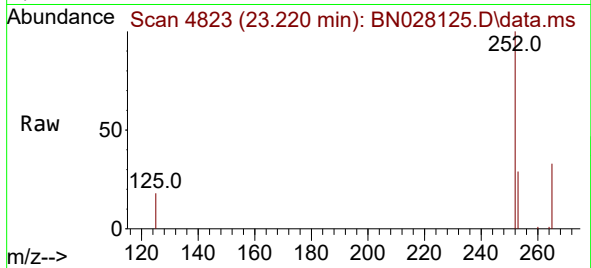
Tgt Ion:228 Resp: 16638  
Ion Ratio Lower Upper  
228 100  
226 30.7 23.8 35.8  
229 20.5 16.0 24.0



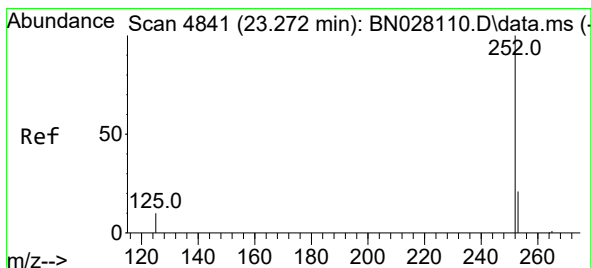
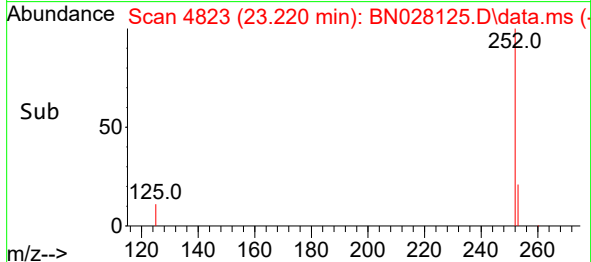
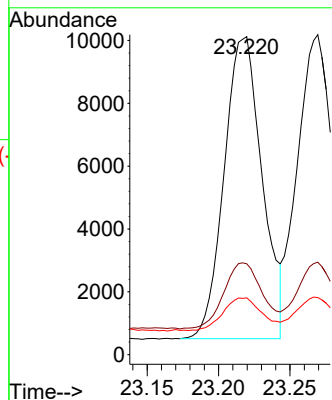


#24  
Benzo(b)fluoranthene  
Concen: 0.350 ng/ul  
RT: 23.220 min Scan# 4823  
Delta R.T. 0.003 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS974

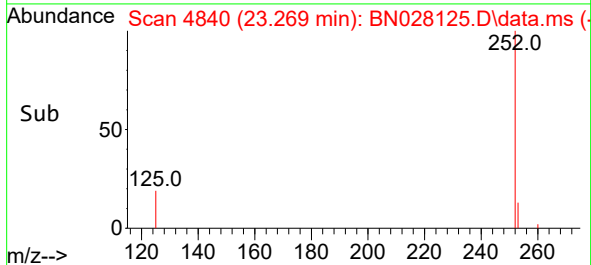
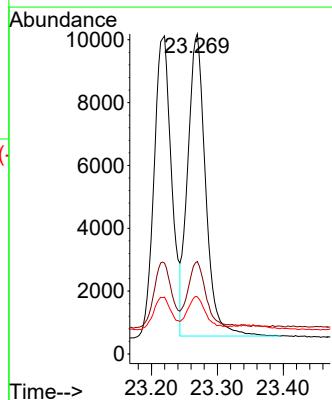
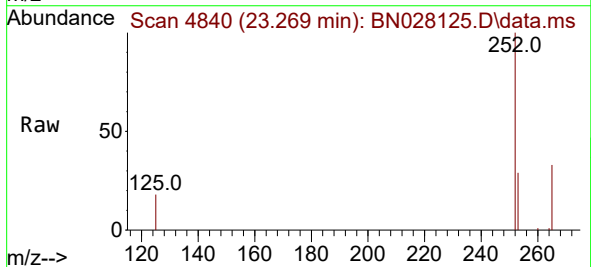


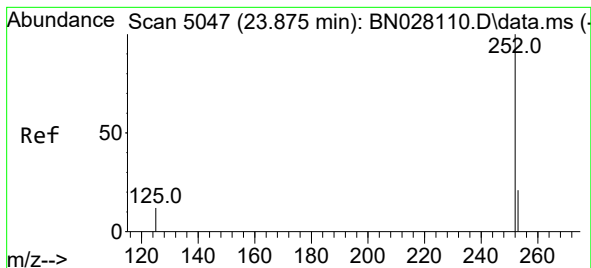
Tgt Ion:252 Resp: 17786  
Ion Ratio Lower Upper  
252 100  
253 28.6 0.0 54.0  
125 17.9 0.0 31.4



#25  
Benzo(k)fluoranthene  
Concen: 0.358 ng/ul  
RT: 23.269 min Scan# 4840  
Delta R.T. 0.003 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:252 Resp: 18111  
Ion Ratio Lower Upper  
252 100  
253 28.9 21.8 32.8  
125 17.9 12.8 19.2





#26

Benzo(a)pyrene

Concen: 0.360 ng/ul

RT: 23.872 min Scan# 5047

Delta R.T. 0.003 min

Lab File: BN028125.D

Acq: 07 Oct 2023 17:13

Instrument :

BNA\_N

ClientSampleId :

SLCS974

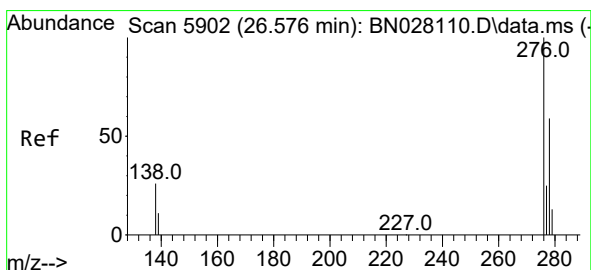
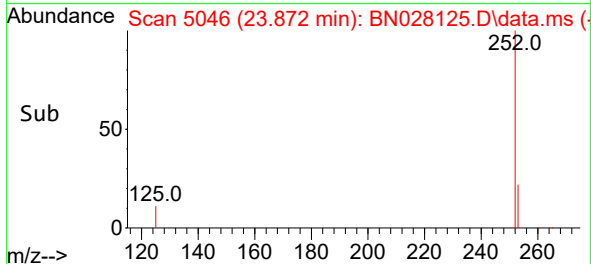
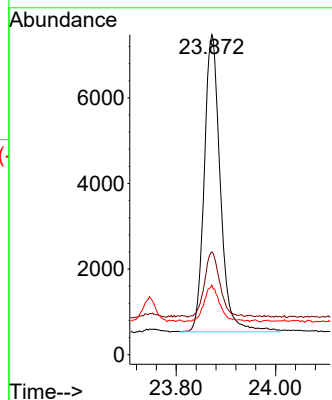
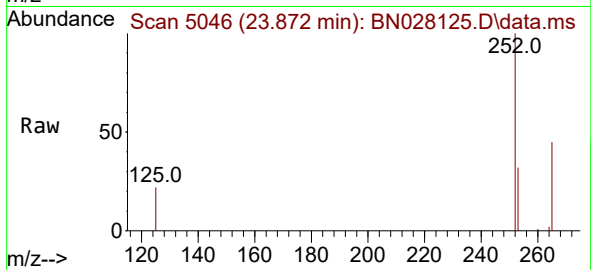
Tgt Ion:252 Resp: 15591

Ion Ratio Lower Upper

252 100

253 32.1 23.4 35.2

125 21.7 15.3 22.9



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.411 ng/ul

RT: 26.572 min Scan# 5901

Delta R.T. 0.007 min

Lab File: BN028125.D

Acq: 07 Oct 2023 17:13

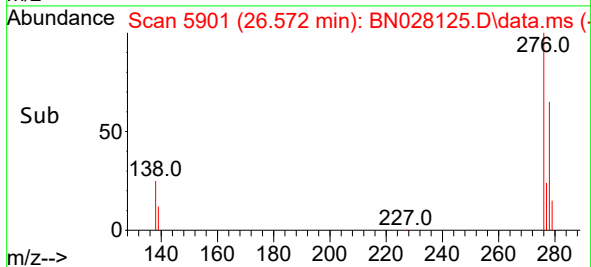
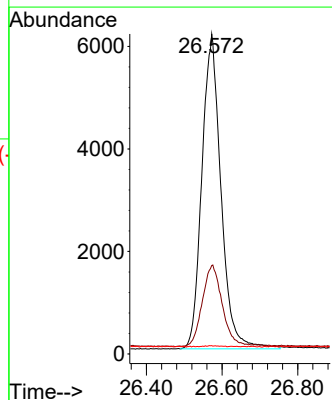
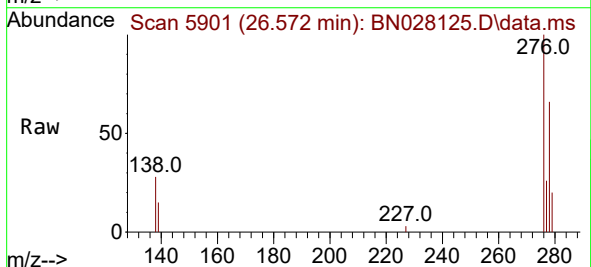
Tgt Ion:276 Resp: 21531

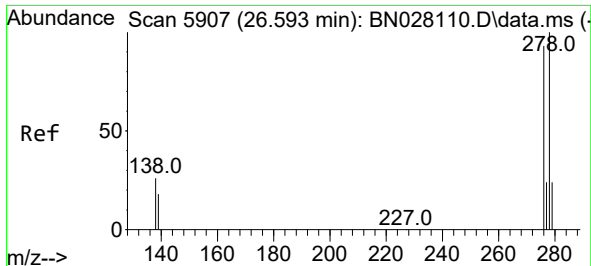
Ion Ratio Lower Upper

276 100

138 26.9 21.6 32.4

227 0.3 0.2 0.2#

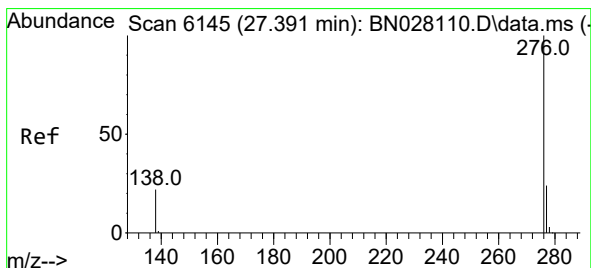
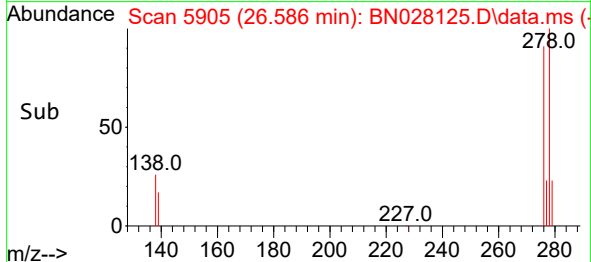
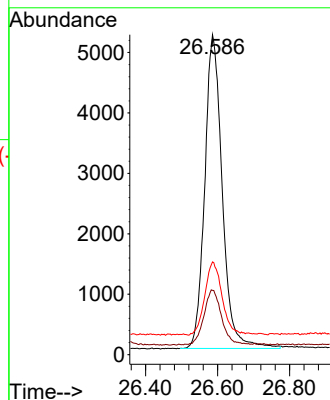
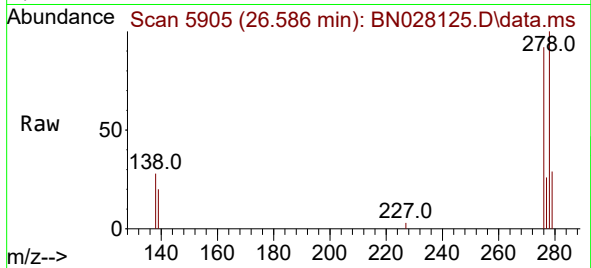




#28  
Dibenzo(a,h)anthracene  
Concen: 0.412 ng/ul  
RT: 26.586 min Scan# 5905  
Delta R.T. 0.003 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS974

Tgt Ion:278 Resp: 17573  
Ion Ratio Lower Upper  
278 100  
139 20.1 15.9 23.9  
279 29.0 22.8 34.2



#29  
Benzo(g,h,i)perylene  
Concen: 0.427 ng/ul  
RT: 27.377 min Scan# 6141  
Delta R.T. -0.000 min  
Lab File: BN028125.D  
Acq: 07 Oct 2023 17:13

Tgt Ion:276 Resp: 18309  
Ion Ratio Lower Upper  
276 100  
138 25.4 19.8 29.6  
277 25.6 20.6 31.0

