

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072624\  
 Data File : BN033024.D  
 Acq On : 27 Jul 2024 08:04  
 Operator : MA/JU  
 Sample : PB162212BS  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS212

Quant Time: Jul 28 22:57:11 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 25 15:43:00 2024  
 Response via : Initial Calibration

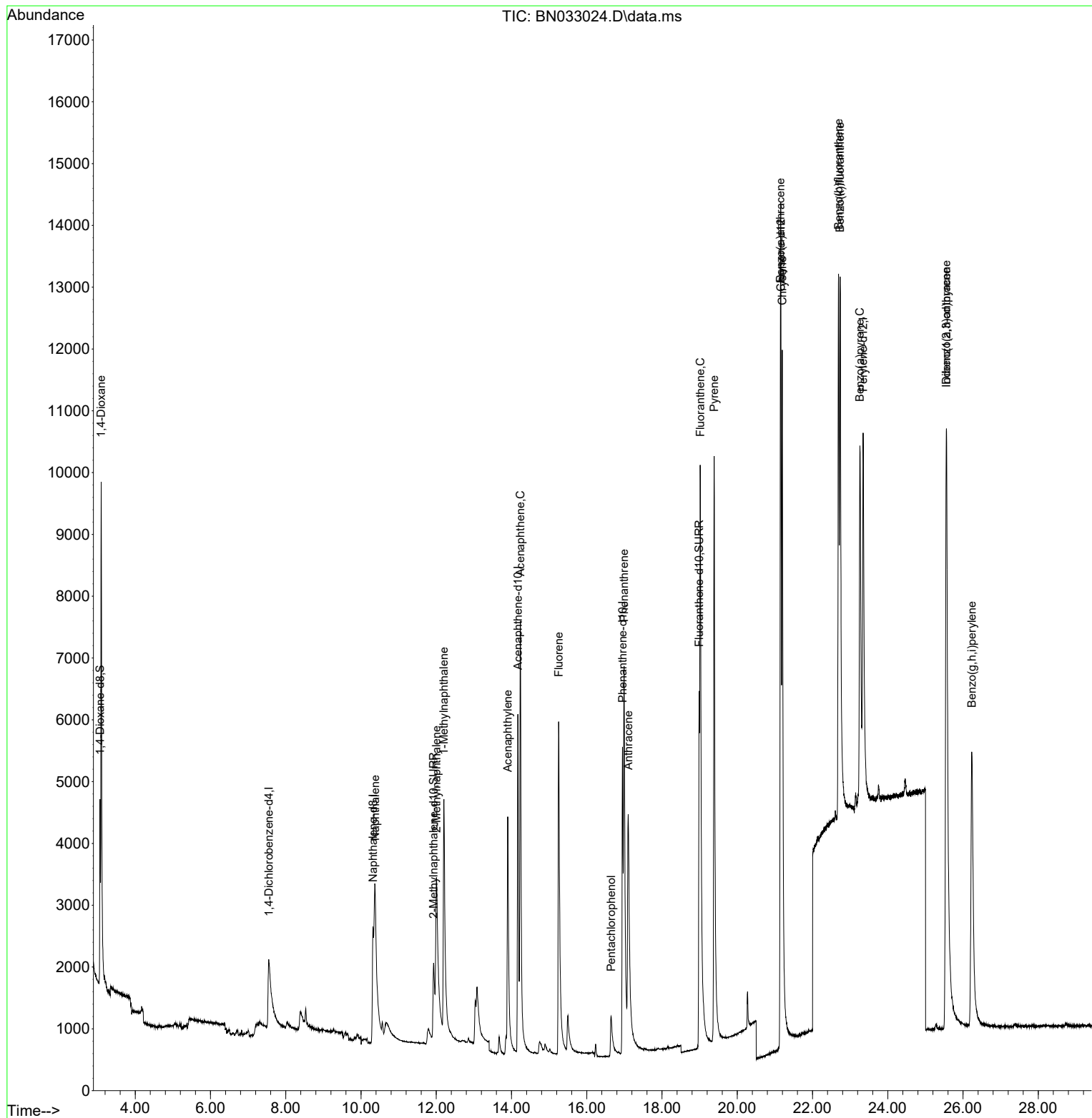
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.549  | 152  | 2069     | 0.400 | ng/ul  | 0.02     |
| 4) Naphthalene-d8           | 10.317 | 136  | 6911     | 0.400 | ng/ul  | 0.02     |
| 9) Acenaphthene-d10         | 14.171 | 164  | 4723     | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 16.949 | 188  | 9995     | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.157 | 240  | 9036     | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.346 | 264  | 10771    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.064  | 96   | 2209     | 0.844 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 11.928 | 152  | 4400     | 0.390 | ng/ul  | 0.02     |
| 18) Fluoranthene-d10        | 18.986 | 212  | 10984    | 0.429 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.094  | 88   | 6376     | 2.137 | ng/ul# | 67       |
| 5) Naphthalene              | 10.372 | 128  | 7192     | 0.405 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.005 | 142  | 4587     | 0.382 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.203 | 142  | 4923     | 0.379 | ng/ul  | 99       |
| 10) Acenaphthylene          | 13.898 | 152  | 7534     | 0.390 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.236 | 153  | 6259     | 0.430 | ng/ul  | 99       |
| 12) Fluorene                | 15.253 | 166  | 6703     | 0.396 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.645 | 266  | 1126     | 0.553 | ng/ul  | 98       |
| 15) Phenanthrene            | 16.992 | 178  | 10121    | 0.378 | ng/ul  | 99       |
| 16) Anthracene              | 17.101 | 178  | 8685     | 0.360 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.018 | 202  | 12697    | 0.427 | ng/ul  | 100      |
| 20) Pyrene                  | 19.386 | 202  | 13538    | 0.424 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.145 | 228  | 10990    | 0.357 | ng/ul  | 99       |
| 22) Chrysene                | 21.195 | 228  | 15588    | 0.433 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.691 | 252  | 12967    | 0.412 | ng/ul  | 94       |
| 25) Benzo(k)fluoranthene    | 22.732 | 252  | 16242    | 0.431 | ng/ul# | 92       |
| 26) Benzo(a)pyrene          | 23.258 | 252  | 13352    | 0.451 | ng/ul# | 91       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.554 | 276  | 16322    | 0.362 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.557 | 278  | 12749    | 0.357 | ng/ul  | 96       |
| 29) Benzo(g,h,i)perylene    | 26.231 | 276  | 13032    | 0.364 | ng/ul  | 96       |

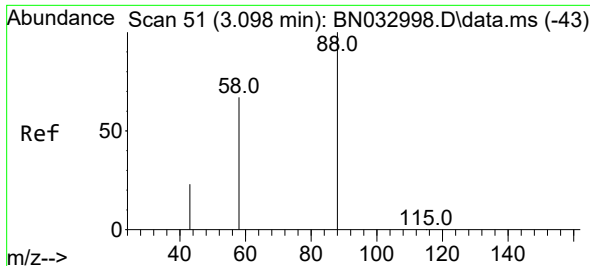
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN072624\  
Data File : BN033024.D  
Acq On : 27 Jul 2024 08:04  
Operator : MA/JU  
Sample : PB162212BS  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
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SLCS212

Quant Time: Jul 28 22:57:11 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN072524.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jul 25 15:43:00 2024  
Response via : Initial Calibration

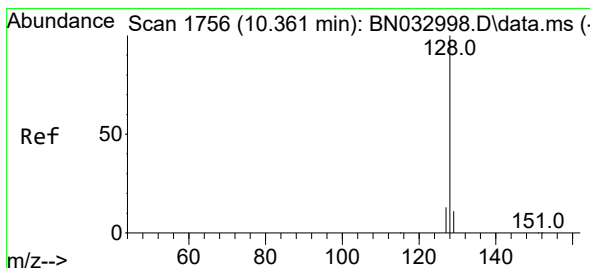
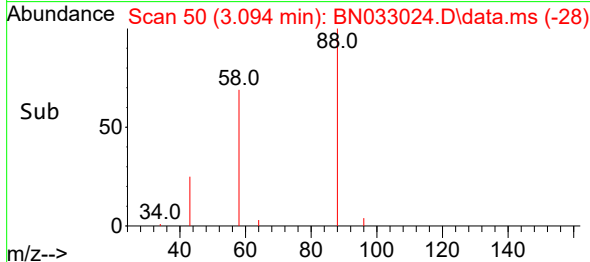
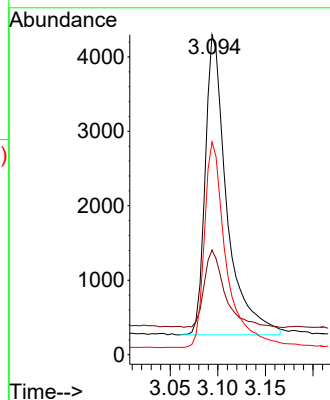
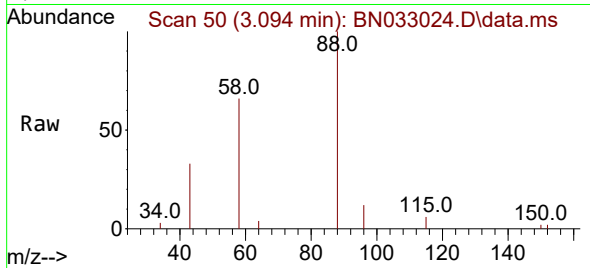




#2  
 1,4-Dioxane  
 Concen: 2.137 ng/ul  
 RT: 3.094 min Scan# 51  
 Delta R.T. -0.008 min  
 Lab File: BN033024.D  
 Acq: 27 Jul 2024 08:04

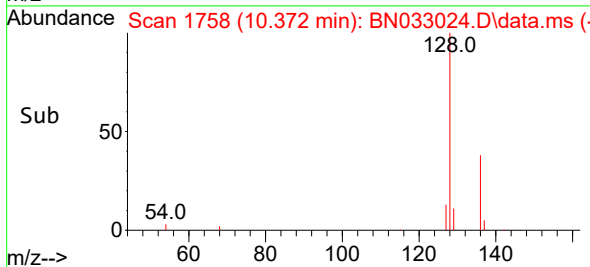
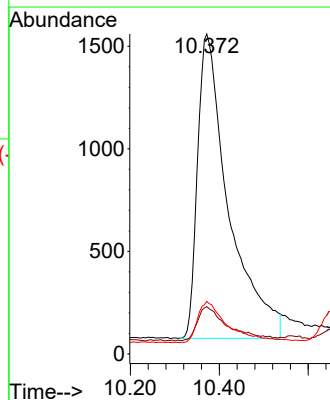
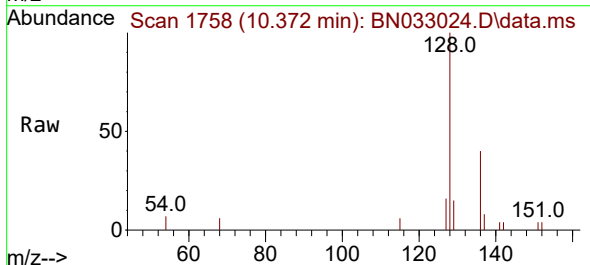
Instrument :  
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 ClientSampleId :  
 SLCS212

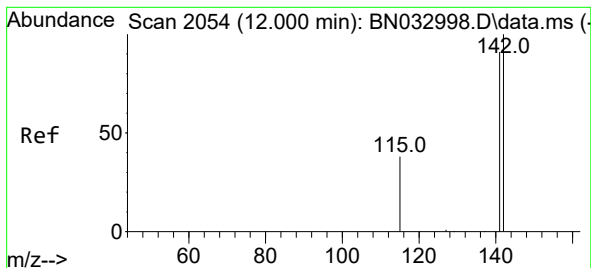
Tgt Ion: 88 Resp: 6376  
 Ion Ratio Lower Upper  
 88 100  
 43 32.7 63.4 95.2#  
 58 66.5 49.4 74.0



#5  
 Naphthalene  
 Concen: 0.405 ng/ul  
 RT: 10.372 min Scan# 1758  
 Delta R.T. 0.022 min  
 Lab File: BN033024.D  
 Acq: 27 Jul 2024 08:04

Tgt Ion:128 Resp: 7192  
 Ion Ratio Lower Upper  
 128 100  
 129 14.8 12.0 18.0  
 127 16.4 12.7 19.1

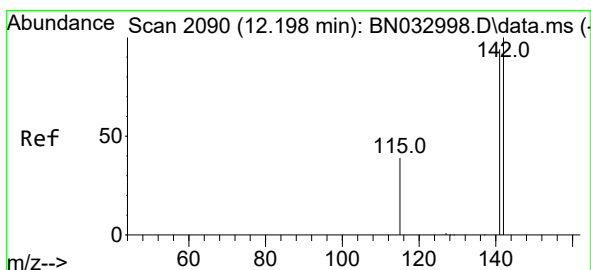
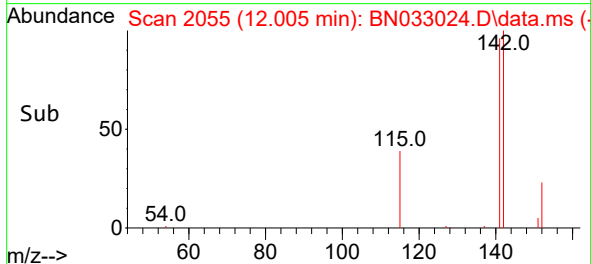
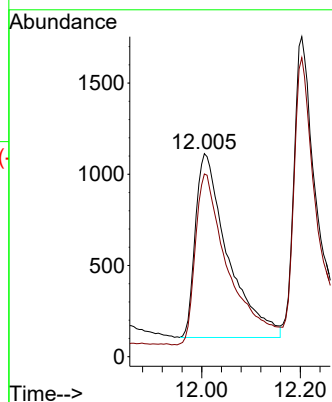
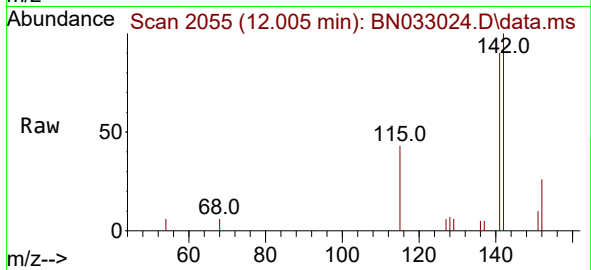




#7  
2-Methylnaphthalene  
Concen: 0.382 ng/ul  
RT: 12.005 min Scan# 2055  
Delta R.T. 0.022 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

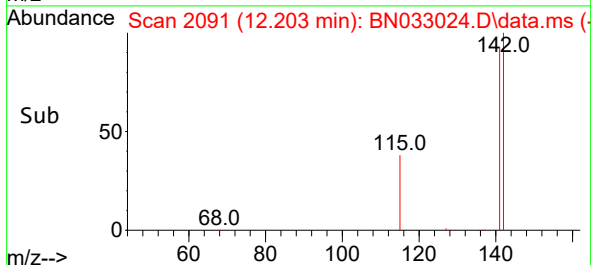
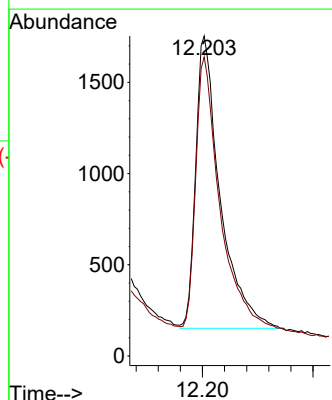
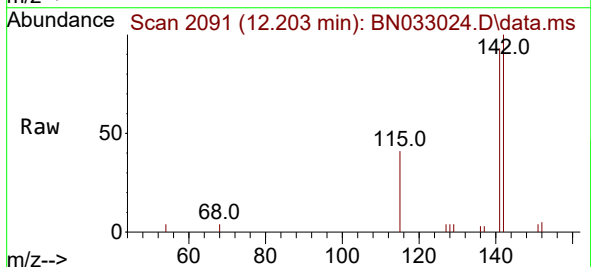
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BNA\_N  
ClientSampleId :  
SLCS212

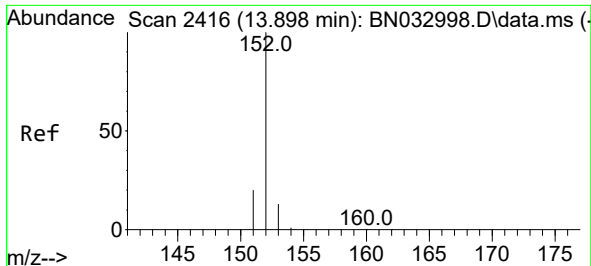
Tgt Ion:142 Resp: 4587  
Ion Ratio Lower Upper  
142 100  
141 96.0 75.2 112.8



#8  
1-Methylnaphthalene  
Concen: 0.379 ng/ul  
RT: 12.203 min Scan# 2091  
Delta R.T. 0.006 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:142 Resp: 4923  
Ion Ratio Lower Upper  
142 100  
141 92.1 74.3 111.5

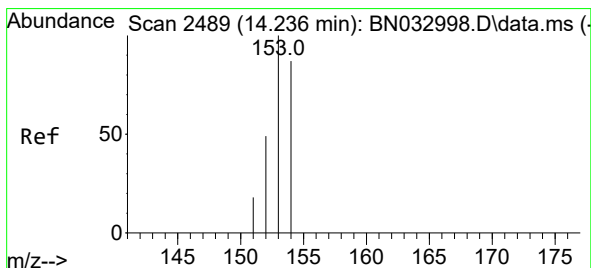
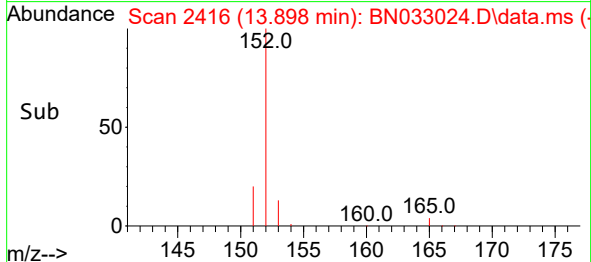
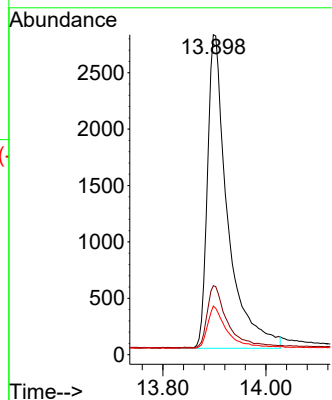
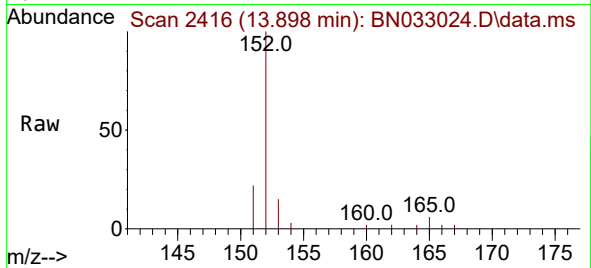




#10  
Acenaphthylene  
Concen: 0.390 ng/ul  
RT: 13.898 min Scan# 2416  
Delta R.T. 0.000 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

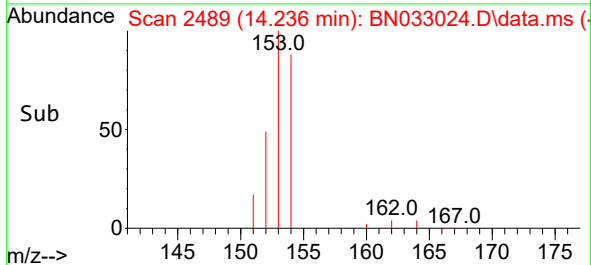
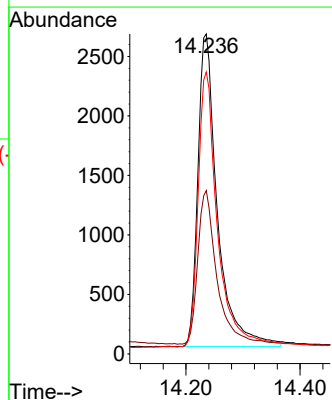
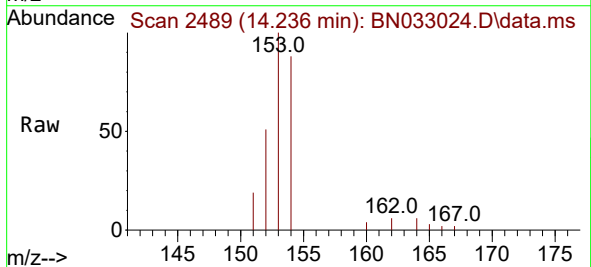
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS212

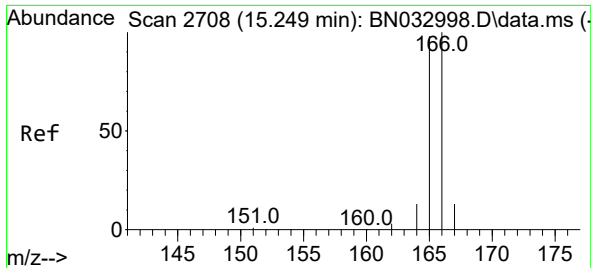
Tgt Ion:152 Resp: 7534  
Ion Ratio Lower Upper  
152 100  
151 21.5 16.8 25.2  
153 15.2 11.9 17.9



#11  
Acenaphthene  
Concen: 0.430 ng/ul  
RT: 14.236 min Scan# 2489  
Delta R.T. 0.000 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:153 Resp: 6259  
Ion Ratio Lower Upper  
153 100  
152 51.1 40.0 60.0  
154 88.2 70.1 105.1

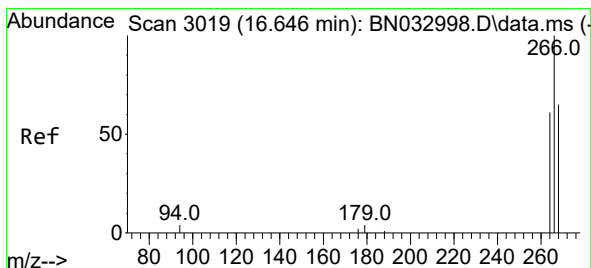
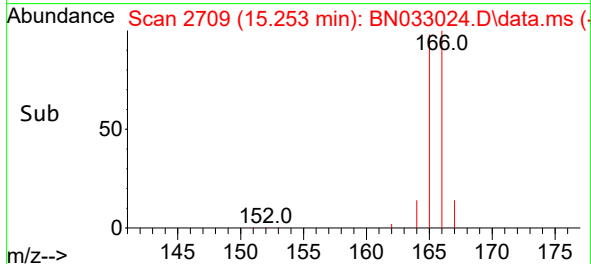
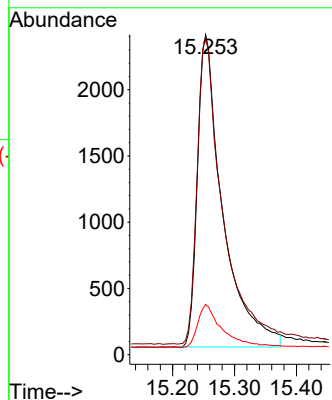
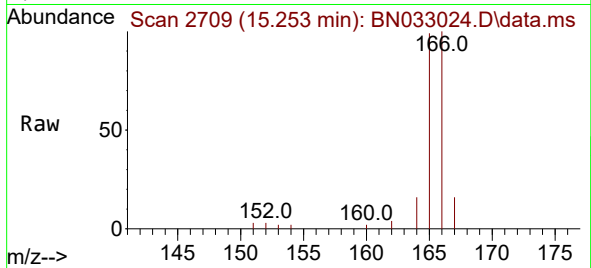




#12  
Fluorene  
Concen: 0.396 ng/ul  
RT: 15.253 min Scan# 21  
Delta R.T. 0.009 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

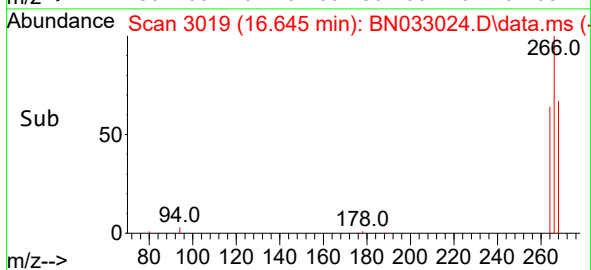
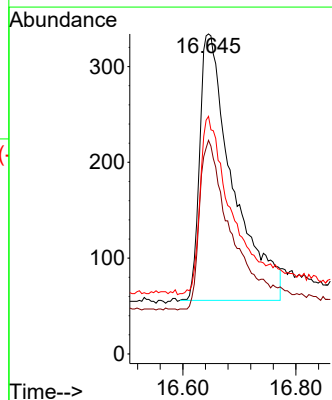
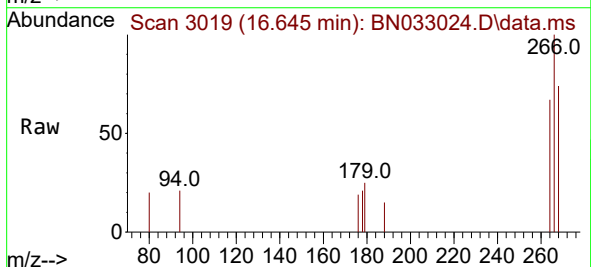
Instrument :  
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ClientSampleId :  
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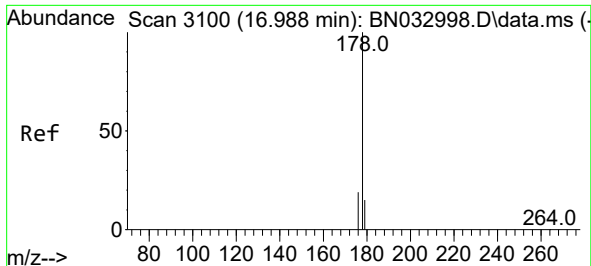
Tgt Ion:166 Resp: 6703  
Ion Ratio Lower Upper  
166 100  
165 98.9 79.6 119.4  
167 15.7 12.2 18.4



#14  
Pentachlorophenol  
Concen: 0.553 ng/ul  
RT: 16.645 min Scan# 3019  
Delta R.T. 0.009 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:266 Resp: 1126  
Ion Ratio Lower Upper  
266 100  
264 63.8 49.3 73.9  
268 66.4 51.8 77.8

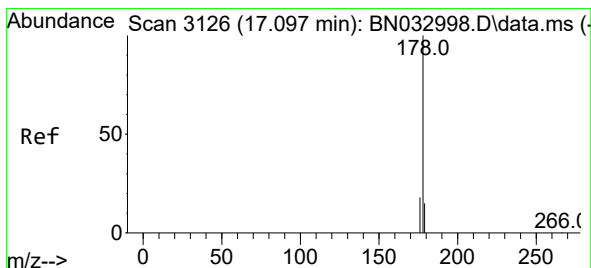
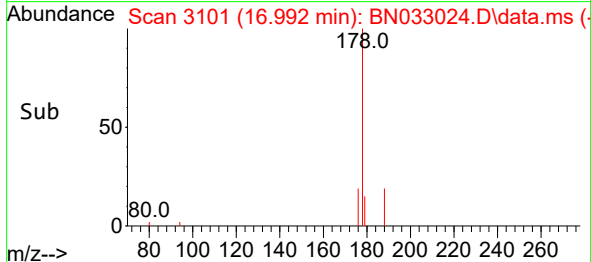
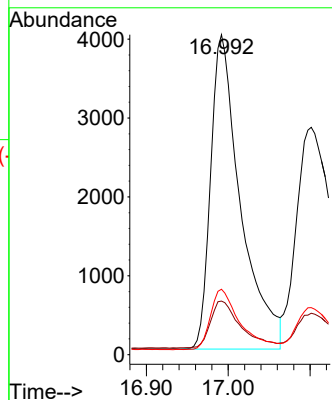
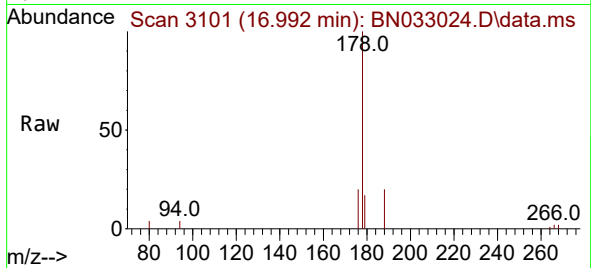




#15  
Phenanthrene  
Concen: 0.378 ng/ul  
RT: 16.992 min Scan# 3101  
Delta R.T. 0.004 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

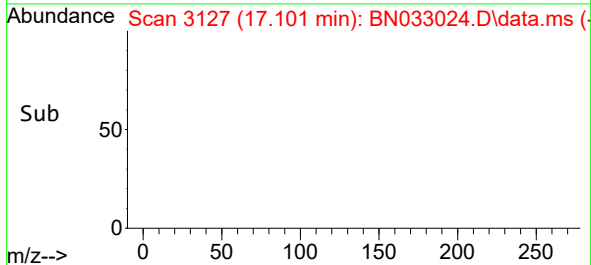
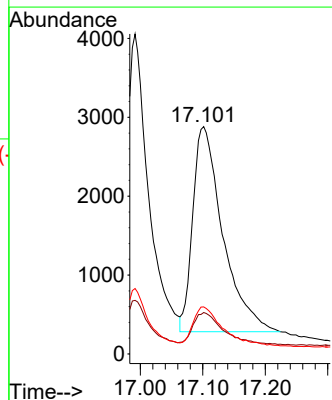
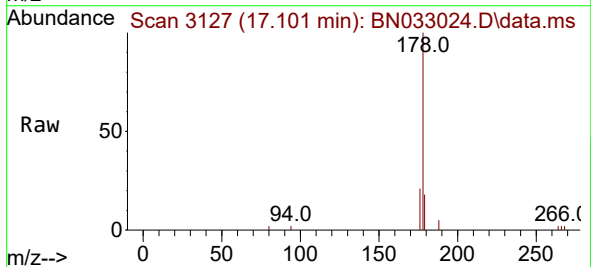
Instrument :  
BNA\_N  
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SLCS212

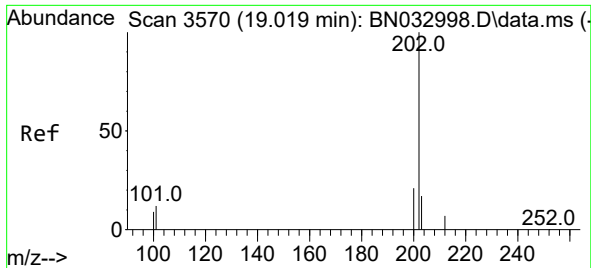
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Ion Ratio Lower Upper  
178 100  
179 16.8 13.7 20.5  
176 20.4 15.9 23.9



#16  
Anthracene  
Concen: 0.360 ng/ul  
RT: 17.101 min Scan# 3127  
Delta R.T. 0.017 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:178 Resp: 8685  
Ion Ratio Lower Upper  
178 100  
179 18.2 14.3 21.5  
176 20.7 15.8 23.8

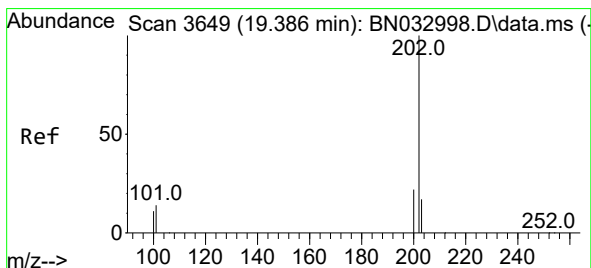
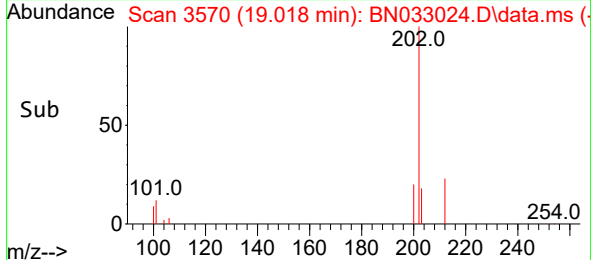
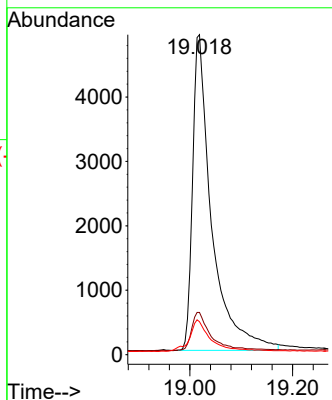
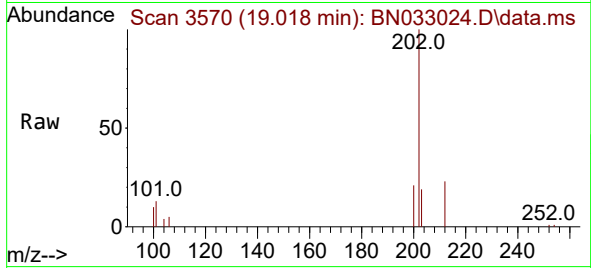




#19  
Fluoranthene  
Concen: 0.427 ng/ul  
RT: 19.018 min Scan# 3570  
Delta R.T. 0.005 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

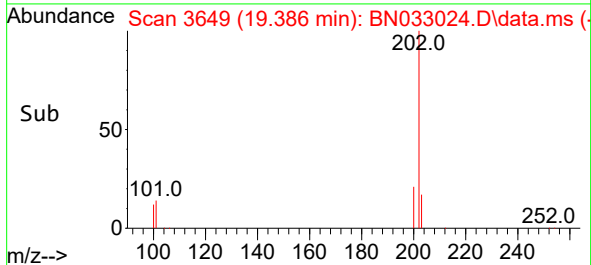
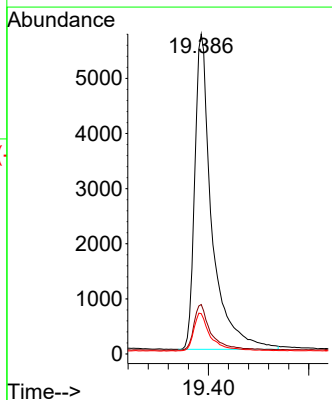
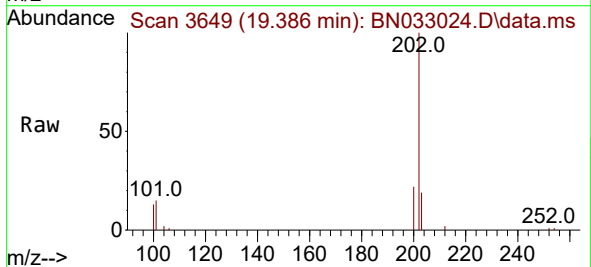
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS212

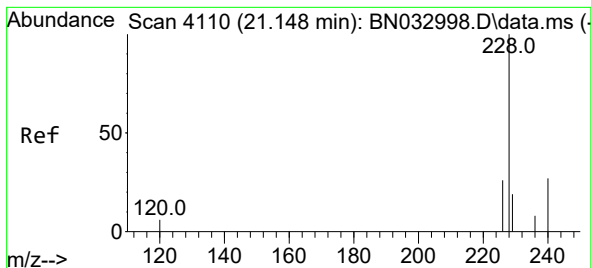
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Ion Ratio Lower Upper  
202 100  
101 13.2 10.7 16.1  
100 10.3 8.3 12.5



#20  
Pyrene  
Concen: 0.424 ng/ul  
RT: 19.386 min Scan# 3649  
Delta R.T. 0.005 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:202 Resp: 13538  
Ion Ratio Lower Upper  
202 100  
101 15.5 12.6 18.8  
100 12.6 9.9 14.9





#21

Benzo(a)anthracene

Concen: 0.357 ng/ul

RT: 21.145 min Scan# 4110

Delta R.T. 0.000 min

Lab File: BN033024.D

Acq: 27 Jul 2024 08:04

Instrument :

BNA\_N

ClientSampleId :

SLCS212

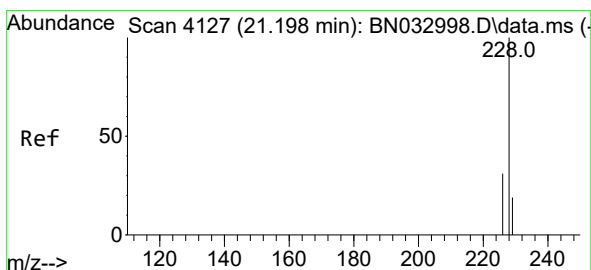
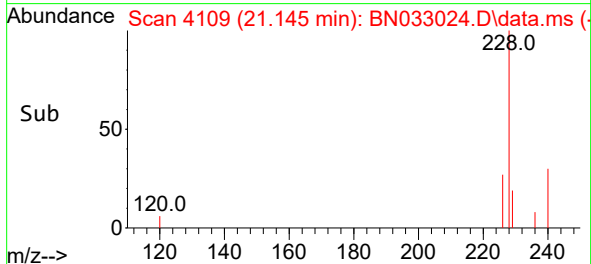
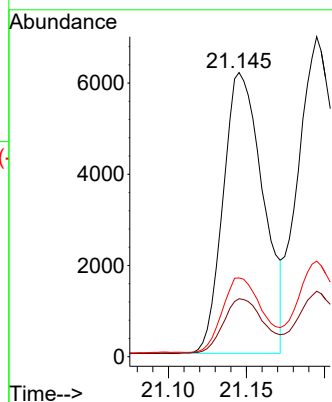
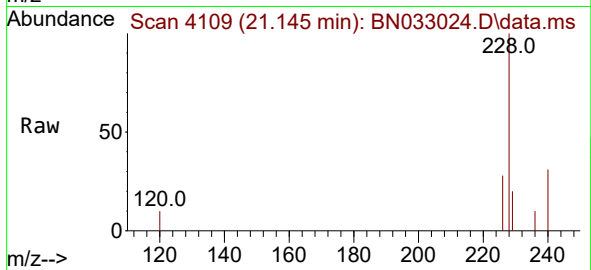
Tgt Ion:228 Resp: 10990

Ion Ratio Lower Upper

228 100

229 20.4 17.1 25.7

226 27.7 22.4 33.6



#22

Chrysene

Concen: 0.433 ng/ul

RT: 21.195 min Scan# 4126

Delta R.T. 0.000 min

Lab File: BN033024.D

Acq: 27 Jul 2024 08:04

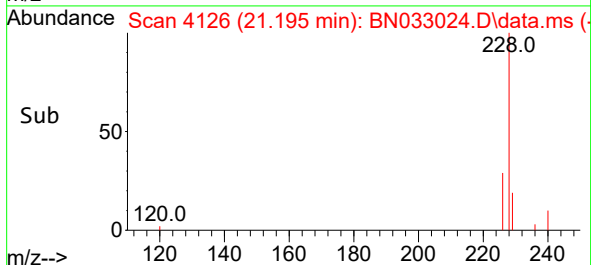
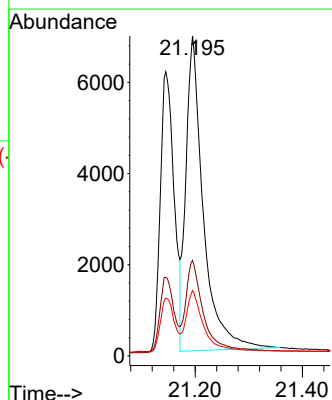
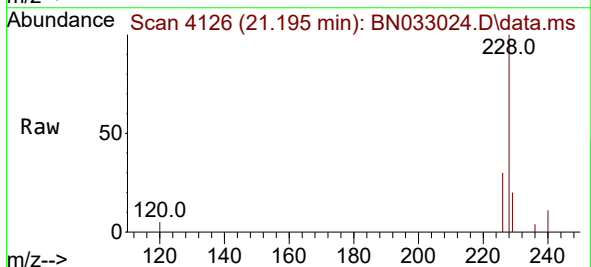
Tgt Ion:228 Resp: 15588

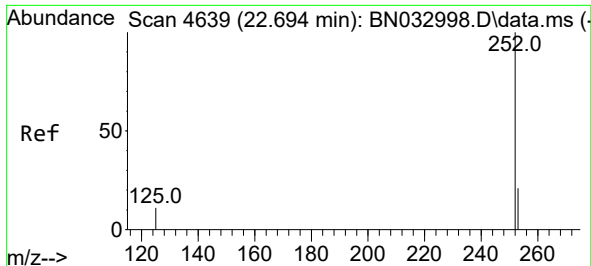
Ion Ratio Lower Upper

228 100

226 29.8 24.7 37.1

229 20.4 17.0 25.6

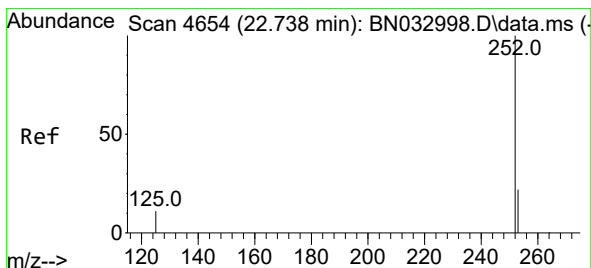
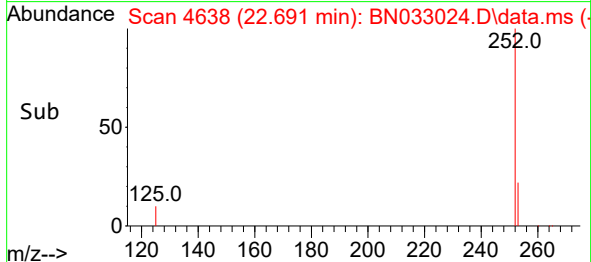
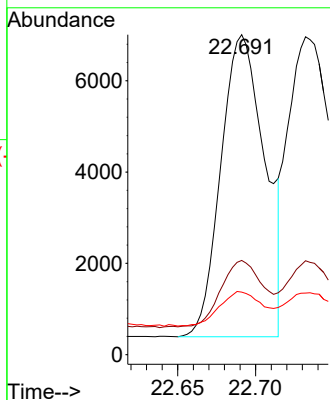
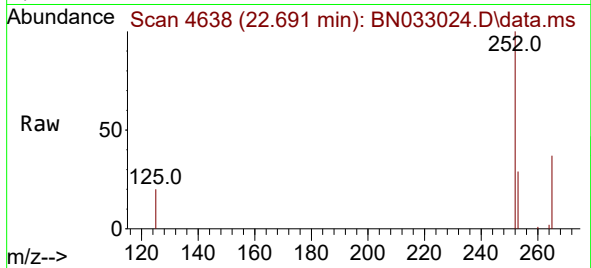




#24  
Benzo(b)fluoranthene  
Concen: 0.412 ng/ul  
RT: 22.691 min Scan# 4638  
Delta R.T. -0.003 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

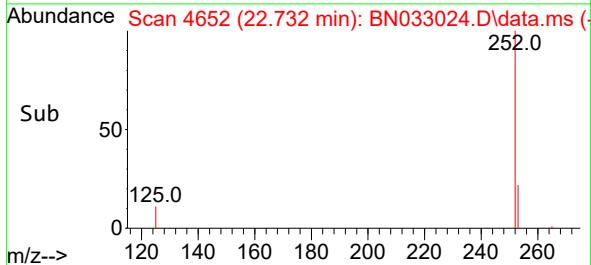
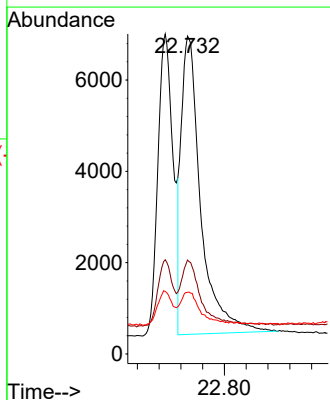
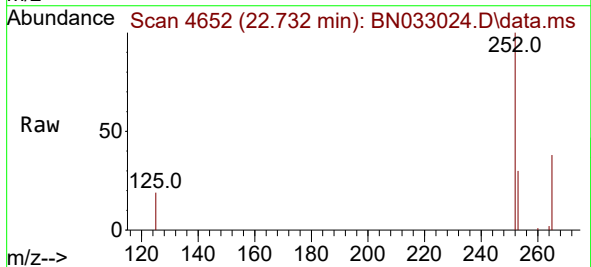
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS212

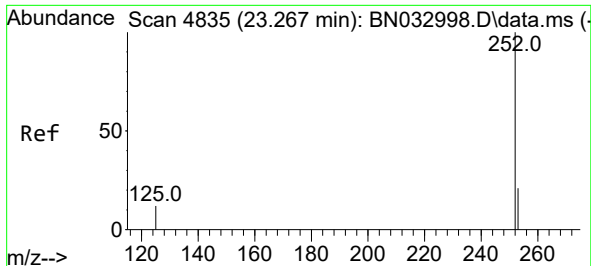
Tgt Ion:252 Resp: 12967  
Ion Ratio Lower Upper  
252 100  
253 29.5 0.0 60.6  
125 19.6 0.0 51.0



#25  
Benzo(k)fluoranthene  
Concen: 0.431 ng/ul  
RT: 22.732 min Scan# 4652  
Delta R.T. -0.003 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:252 Resp: 16242  
Ion Ratio Lower Upper  
252 100  
253 29.5 24.9 37.3  
125 19.4 20.9 31.3#

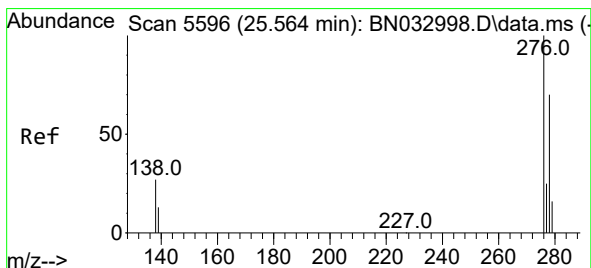
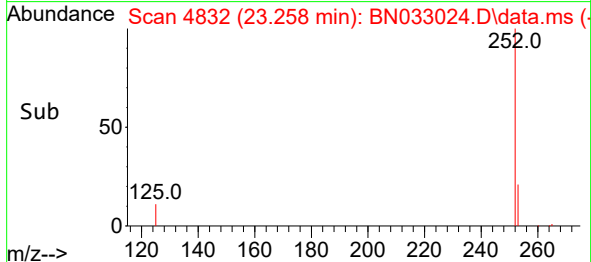
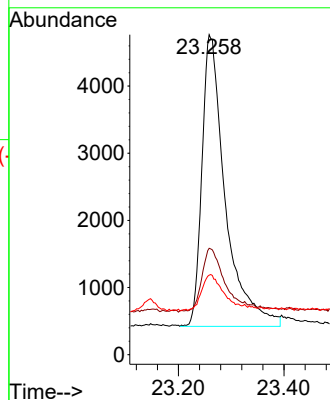
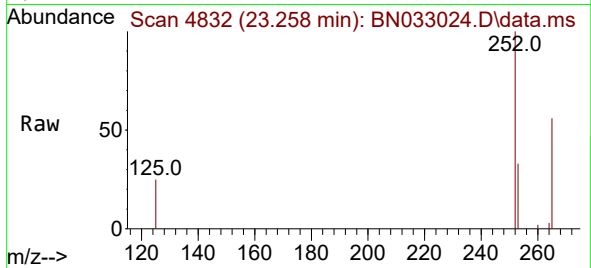




#26  
Benzo(a)pyrene  
Concen: 0.451 ng/ul  
RT: 23.258 min Scan# 4832  
Delta R.T. -0.003 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

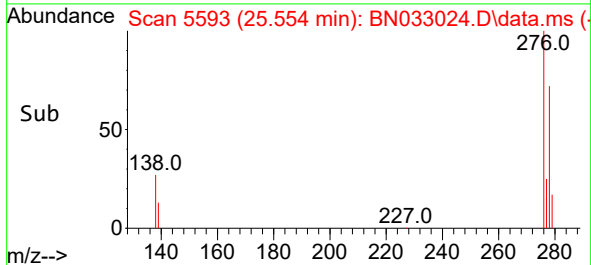
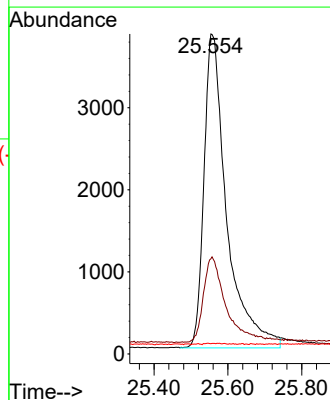
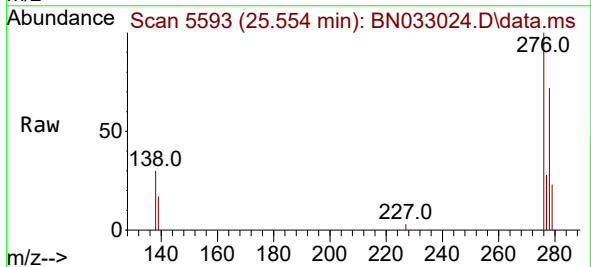
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS212

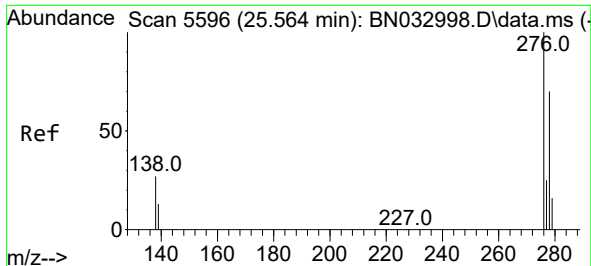
Tgt Ion:252 Resp: 13352  
Ion Ratio Lower Upper  
252 100  
253 33.2 27.5 41.3  
125 24.9 27.0 40.6#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.362 ng/ul  
RT: 25.554 min Scan# 5593  
Delta R.T. -0.007 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:276 Resp: 16322  
Ion Ratio Lower Upper  
276 100  
138 27.0 21.8 32.8  
227 0.1 0.2 0.2#

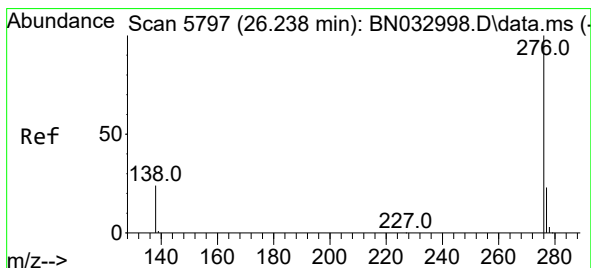
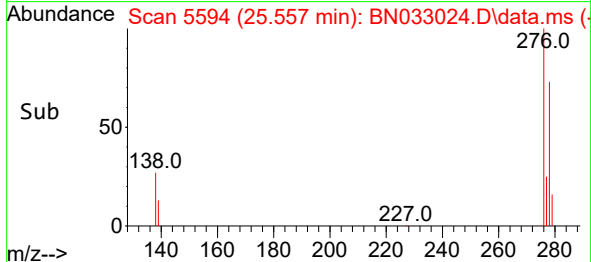
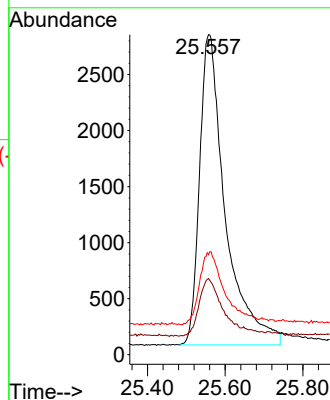
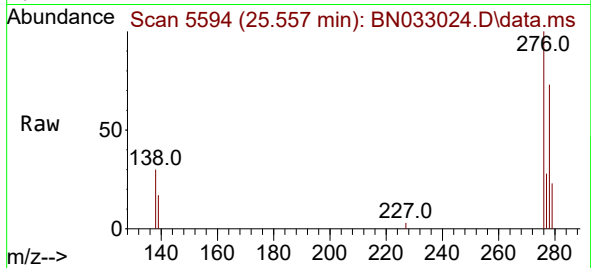




#28  
Dibenzo(a,h)anthracene  
Concen: 0.357 ng/ul  
RT: 25.557 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS212

Tgt Ion:278 Resp: 12749  
Ion Ratio Lower Upper  
278 100  
139 23.8 22.5 33.7  
279 31.3 25.5 38.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.364 ng/ul  
RT: 26.231 min Scan# 5795  
Delta R.T. -0.010 min  
Lab File: BN033024.D  
Acq: 27 Jul 2024 08:04

Tgt Ion:276 Resp: 13032  
Ion Ratio Lower Upper  
276 100  
138 27.9 24.6 37.0  
277 26.6 22.6 34.0

