

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110923\  
 Data File : BN028566.D  
 Acq On : 10 Nov 2023 20:21  
 Operator : MA/JU  
 Sample : PB156740BS  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS740

Quant Time: Nov 10 23:28:59 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN110923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 09 16:30:32 2023  
 Response via : Initial Calibration

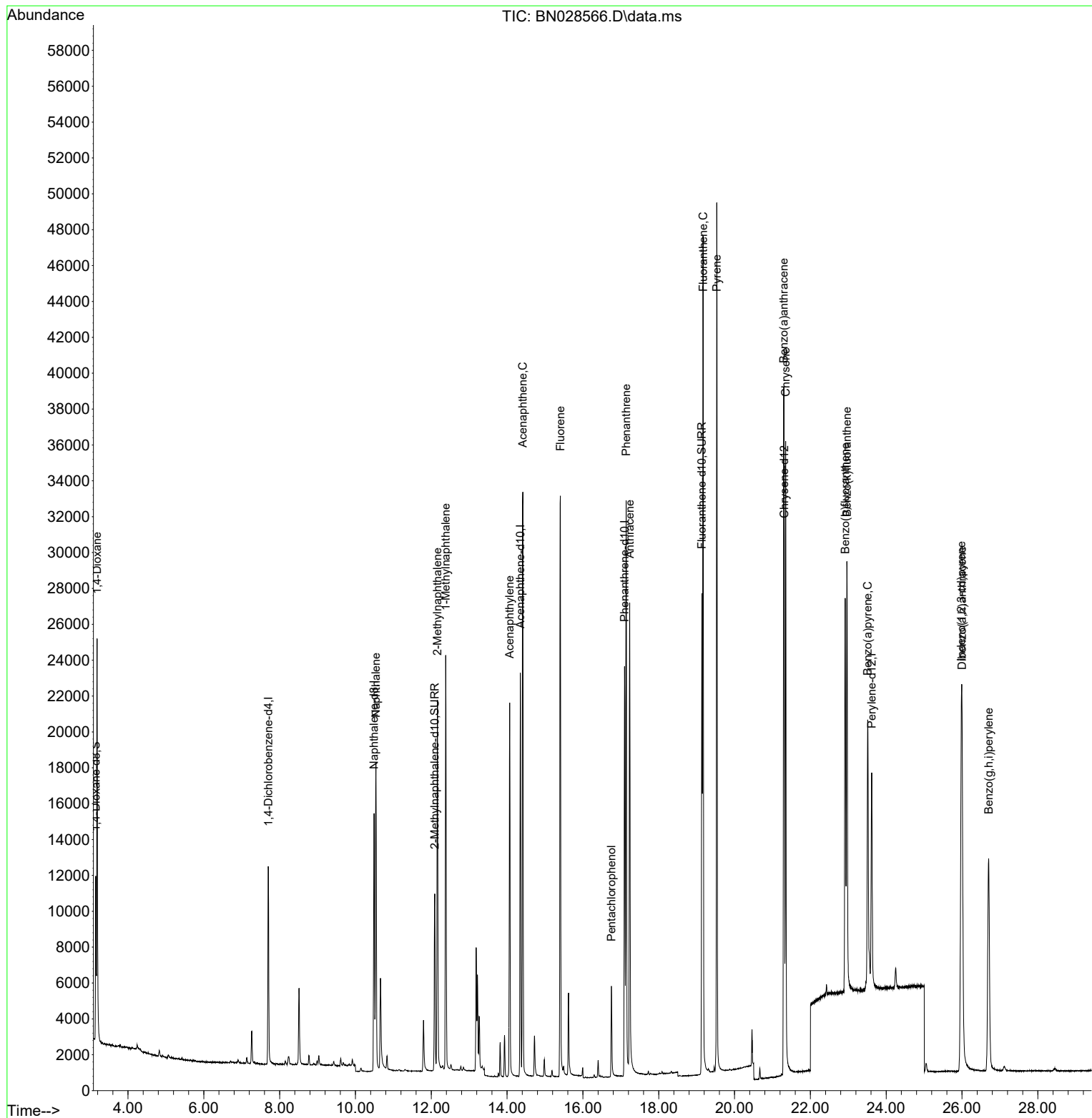
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.703  | 152  | 5934     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.491 | 136  | 19735    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.349 | 164  | 12191    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.099 | 188  | 26945    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.311 | 240  | 18287    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.617 | 264  | 16543    | 0.400 | ng/ul  | #-0.01   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.151  | 96   | 5821     | 0.888 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.091 | 152  | 13131    | 0.442 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.137 | 212  | 30486    | 0.518 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.184  | 88   | 14266    | 1.968 | ng/ul# | 79       |
| 5) Naphthalene              | 10.540 | 128  | 23542    | 0.426 | ng/ul  | 100      |
| 7) 2-Methylnaphthalene      | 12.162 | 142  | 15141    | 0.416 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.382 | 142  | 15855    | 0.429 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.067 | 152  | 23885    | 0.393 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.414 | 153  | 18623    | 0.416 | ng/ul  | 100      |
| 12) Fluorene                | 15.404 | 166  | 21586    | 0.414 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.753 | 266  | 3628     | 0.561 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.141 | 178  | 35066    | 0.424 | ng/ul  | 100      |
| 16) Anthracene              | 17.234 | 178  | 30361    | 0.400 | ng/ul  | 100      |
| 19) Fluoranthene            | 19.169 | 202  | 39316    | 0.506 | ng/ul  | 98       |
| 20) Pyrene                  | 19.532 | 202  | 40390    | 0.501 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.296 | 228  | 30576    | 0.423 | ng/ul  | 99       |
| 22) Chrysene                | 21.349 | 228  | 31487    | 0.445 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.918 | 252  | 28926    | 0.466 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 22.962 | 252  | 30709    | 0.472 | ng/ul  | 95       |
| 26) Benzo(a)pyrene          | 23.512 | 252  | 24424    | 0.417 | ng/ul  | 94       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.982 | 276  | 31294    | 0.481 | ng/ul  | 100      |
| 28) Dibenzo(a,h)anthracene  | 26.002 | 278  | 25248    | 0.486 | ng/ul  | 97       |
| 29) Benzo(g,h,i)perylene    | 26.703 | 276  | 26415    | 0.495 | ng/ul  | 98       |
| -----                       |        |      |          |       |        |          |

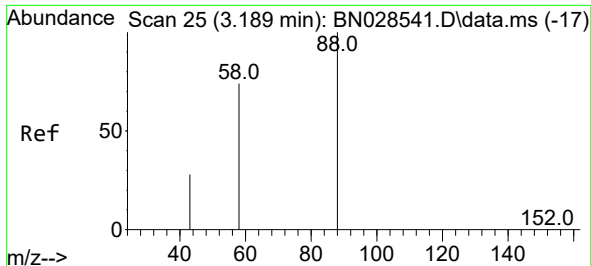
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN110923\  
Data File : BN028566.D  
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Sample : PB156740BS  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
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Quant Time: Nov 10 23:28:59 2023  
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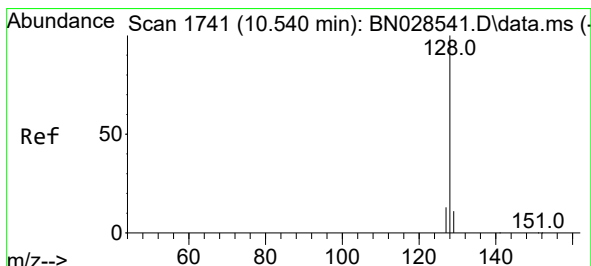
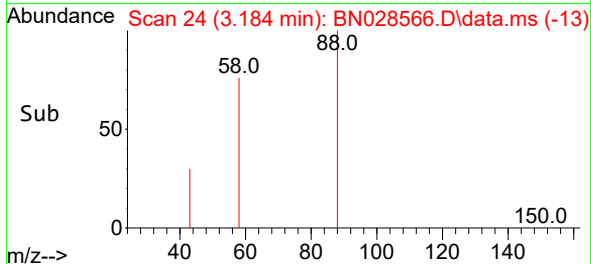
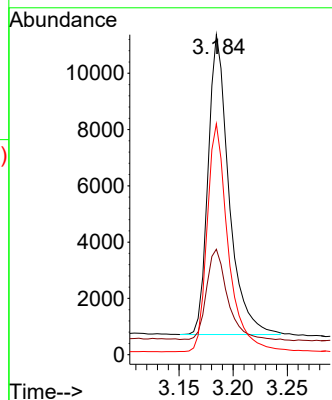
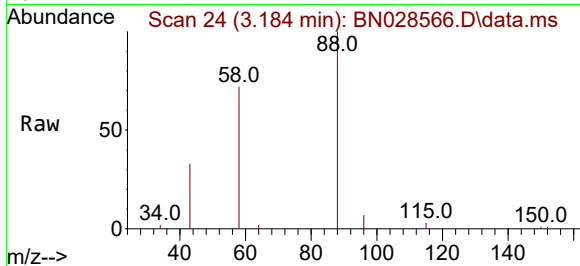




#2  
1,4-Dioxane  
Concen: 1.968 ng/ul  
RT: 3.184 min Scan# 24  
Delta R.T. -0.004 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

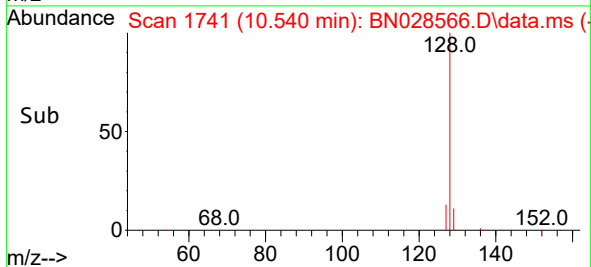
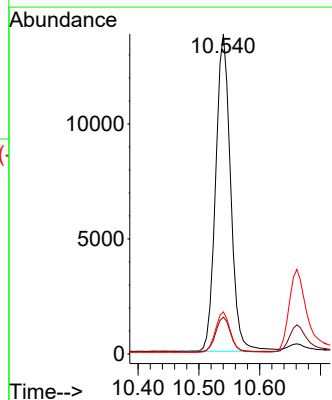
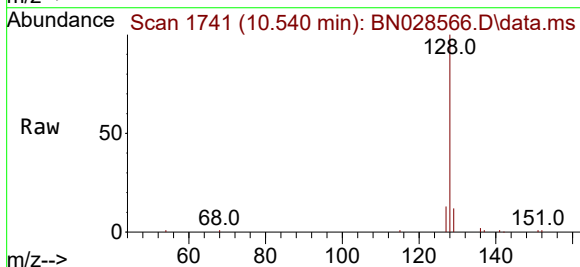
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS740

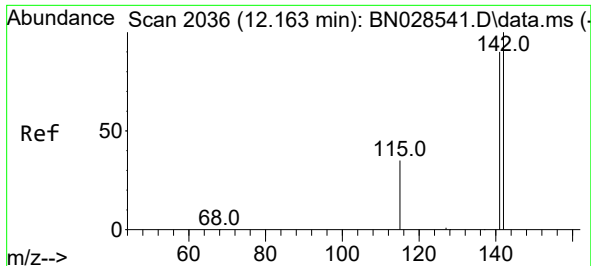
Tgt Ion: 88 Resp: 14266  
Ion Ratio Lower Upper  
88 100  
43 33.0 32.9 49.3  
58 72.1 41.8 62.8#



#5  
Naphthalene  
Concen: 0.426 ng/ul  
RT: 10.540 min Scan# 1741  
Delta R.T. -0.004 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:128 Resp: 23542  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.2 13.8  
127 13.1 10.7 16.1

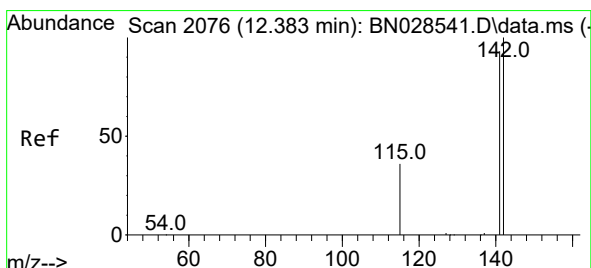
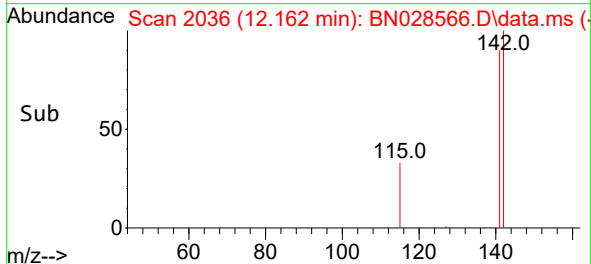
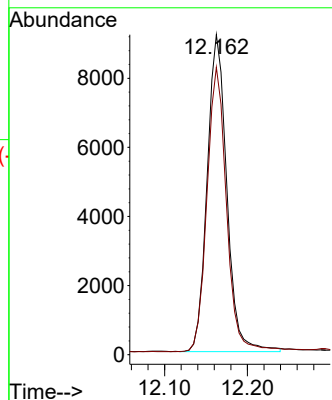
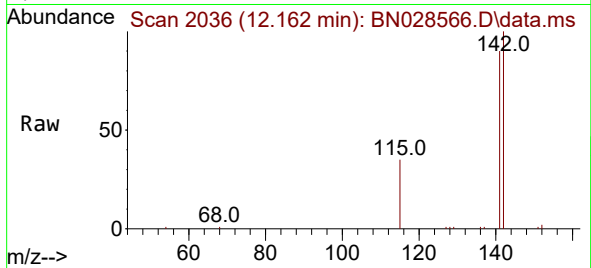




#7  
2-Methylnaphthalene  
Concen: 0.416 ng/ul  
RT: 12.162 min Scan# 2036  
Delta R.T. -0.004 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

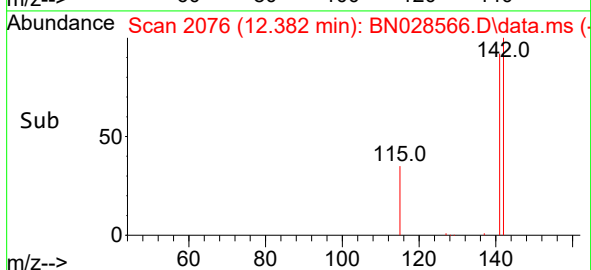
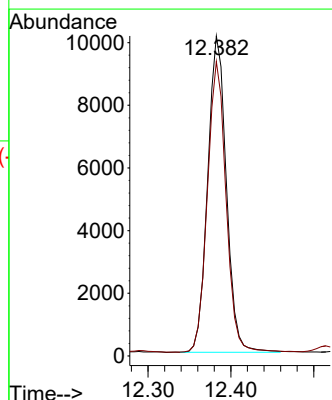
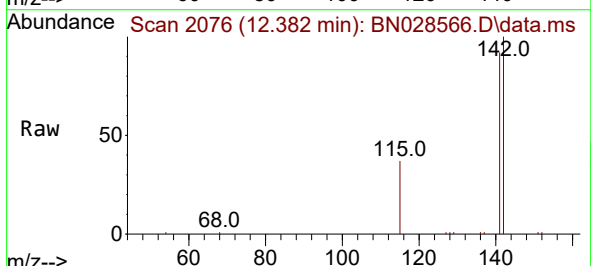
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS740

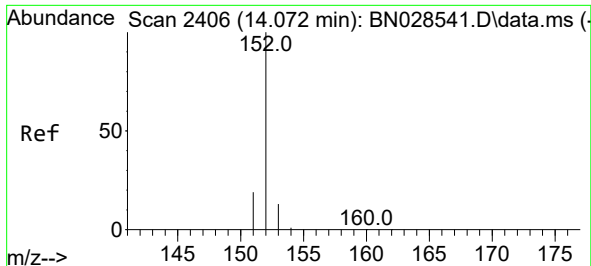
Tgt Ion:142 Resp: 15141  
Ion Ratio Lower Upper  
142 100  
141 89.2 70.8 106.2



#8  
1-Methylnaphthalene  
Concen: 0.429 ng/ul  
RT: 12.382 min Scan# 2076  
Delta R.T. -0.004 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:142 Resp: 15855  
Ion Ratio Lower Upper  
142 100  
141 91.6 74.1 111.1

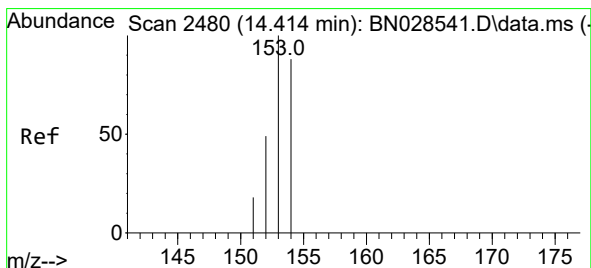
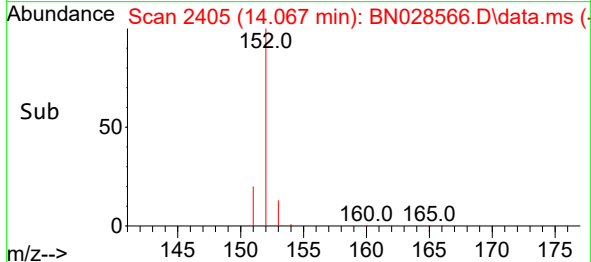
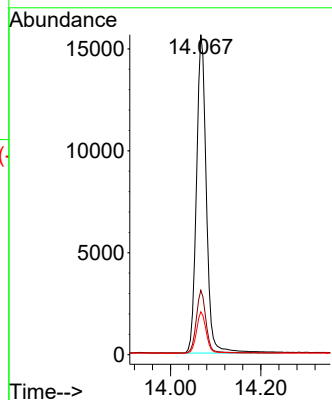
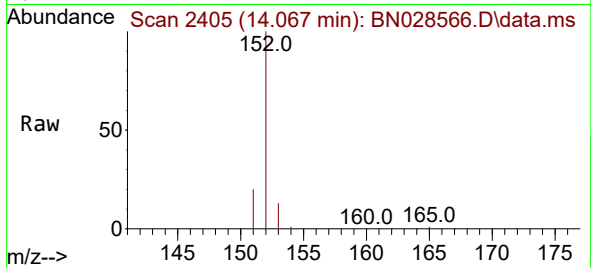




#10  
Acenaphthylene  
Concen: 0.393 ng/ul  
RT: 14.067 min Scan# 2405  
Delta R.T. -0.003 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

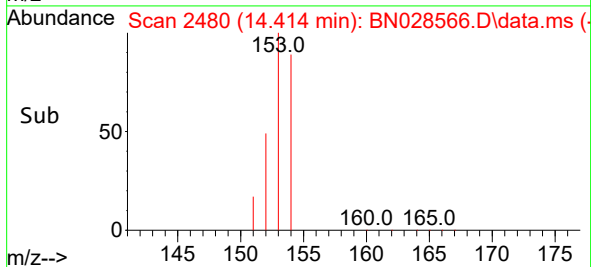
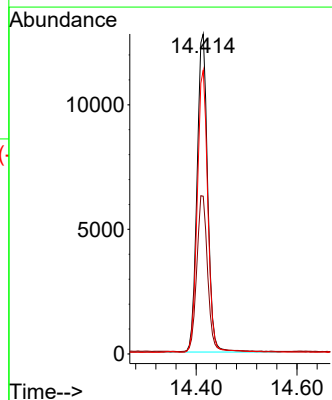
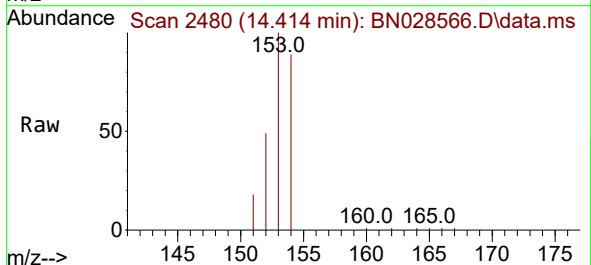
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ClientSampleId :  
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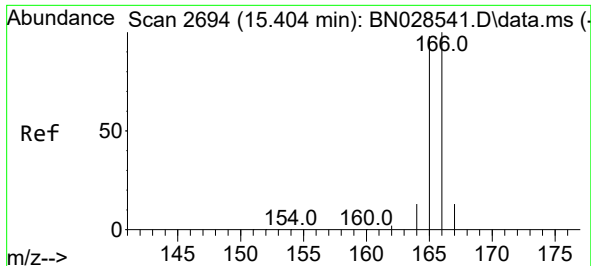
Tgt Ion:152 Resp: 23885  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.1 24.1  
153 13.4 10.6 15.8



#11  
Acenaphthene  
Concen: 0.416 ng/ul  
RT: 14.414 min Scan# 2480  
Delta R.T. -0.003 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:153 Resp: 18623  
Ion Ratio Lower Upper  
153 100  
152 49.3 39.6 59.4  
154 88.6 71.0 106.6

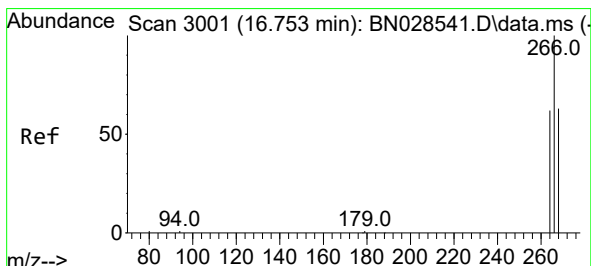
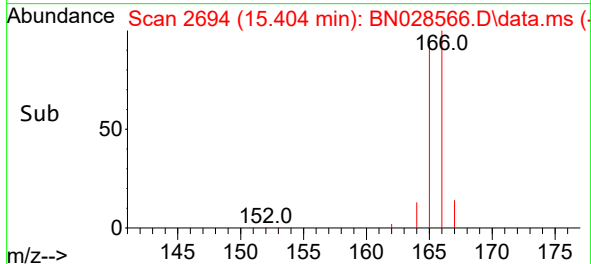
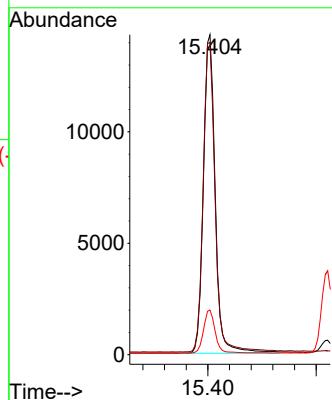
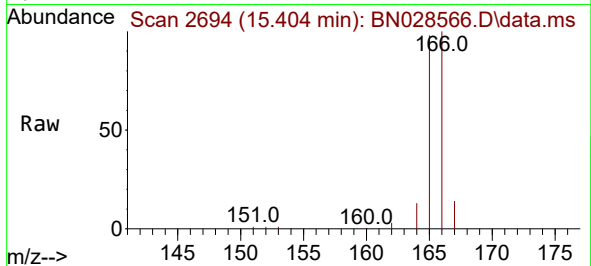




#12  
Fluorene  
Concen: 0.414 ng/ul  
RT: 15.404 min Scan# 21586  
Delta R.T. -0.003 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

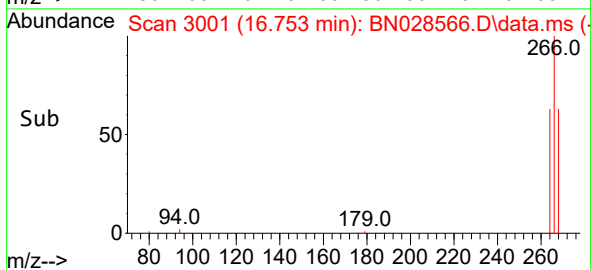
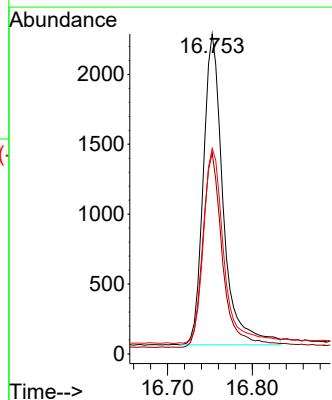
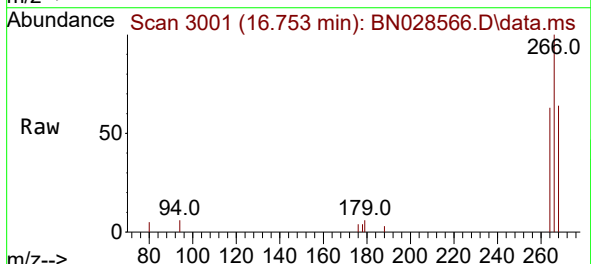
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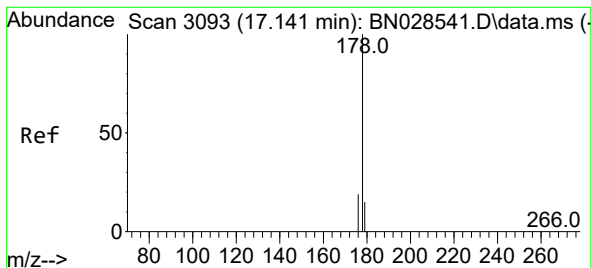
Tgt Ion:166 Resp: 21586  
Ion Ratio Lower Upper  
166 100  
165 97.6 78.6 118.0  
167 13.9 11.0 16.6



#14  
Pentachlorophenol  
Concen: 0.561 ng/ul  
RT: 16.753 min Scan# 3001  
Delta R.T. -0.003 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:266 Resp: 3628  
Ion Ratio Lower Upper  
266 100  
264 62.3 50.1 75.1  
268 64.4 50.6 75.8





#15

Phenanthrene

Concen: 0.424 ng/ul

RT: 17.141 min Scan# 3093

Delta R.T. -0.003 min

Lab File: BN028566.D

Acq: 10 Nov 2023 20:21

Instrument :

BNA\_N

ClientSampleId :

SLCS740

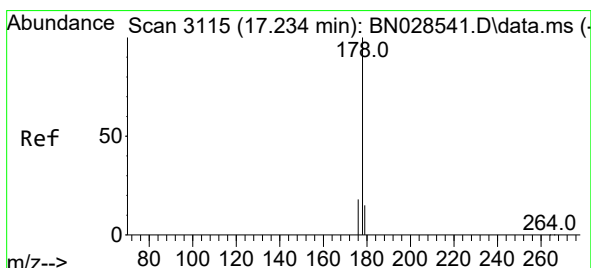
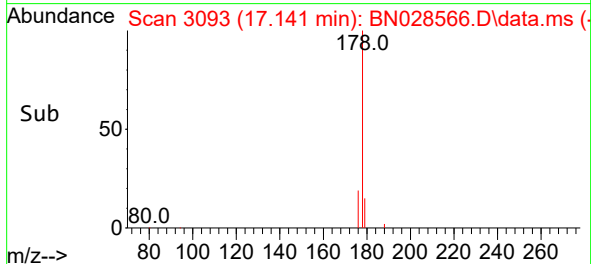
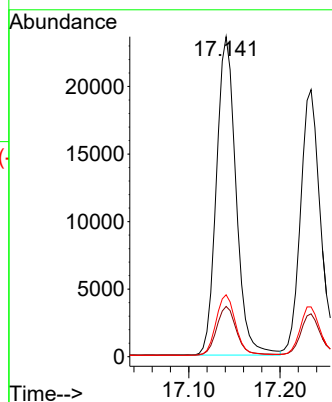
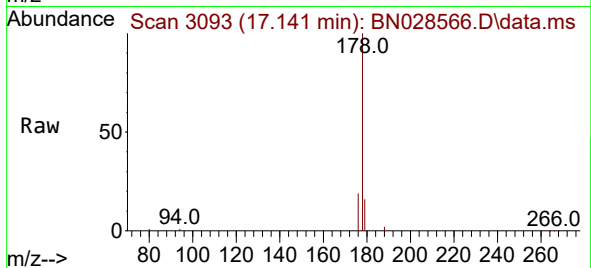
Tgt Ion:178 Resp: 35066

Ion Ratio Lower Upper

178 100

179 15.7 12.4 18.6

176 19.4 15.4 23.2



#16

Anthracene

Concen: 0.400 ng/ul

RT: 17.234 min Scan# 3115

Delta R.T. -0.003 min

Lab File: BN028566.D

Acq: 10 Nov 2023 20:21

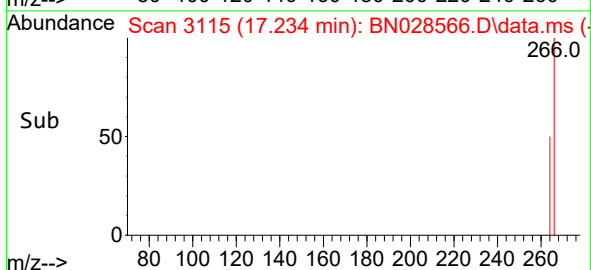
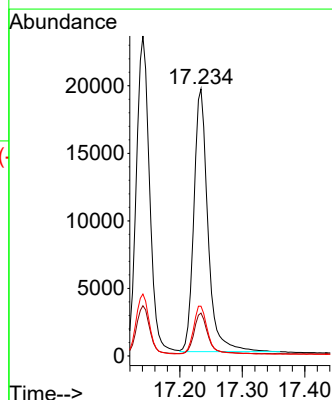
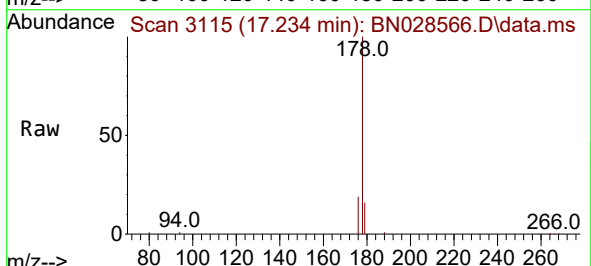
Tgt Ion:178 Resp: 30361

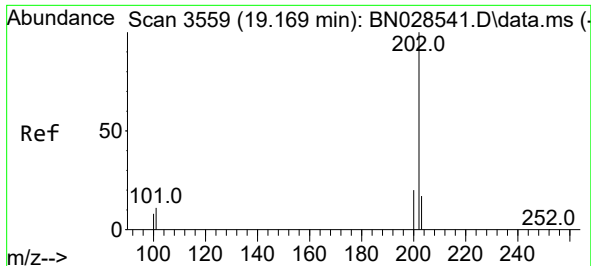
Ion Ratio Lower Upper

178 100

179 16.1 12.6 18.8

176 18.6 14.9 22.3

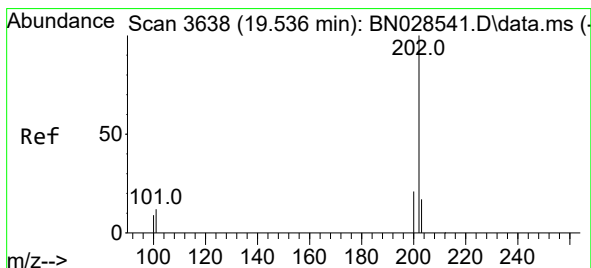
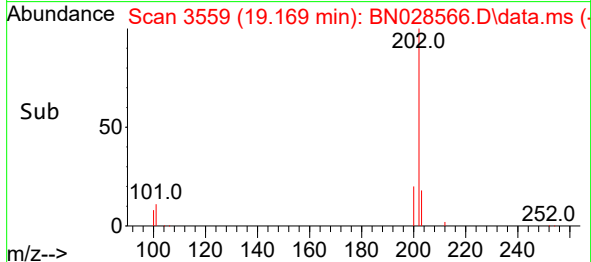
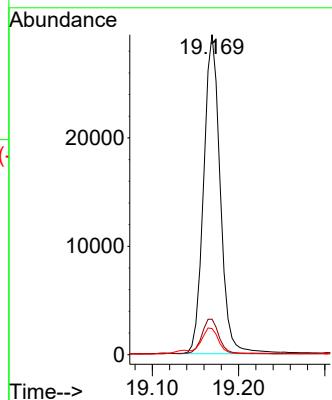
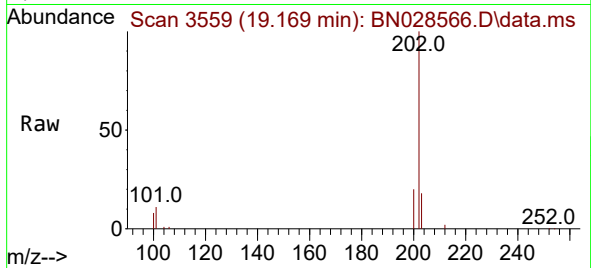




#19  
Fluoranthene  
Concen: 0.506 ng/ul  
RT: 19.169 min Scan# 3559  
Delta R.T. -0.003 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

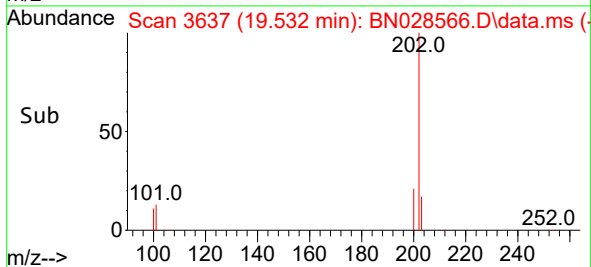
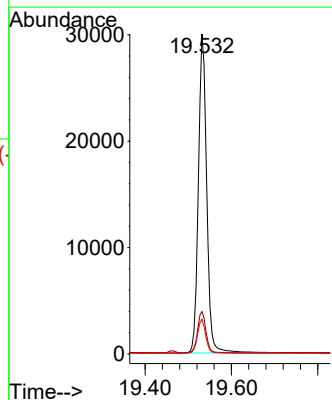
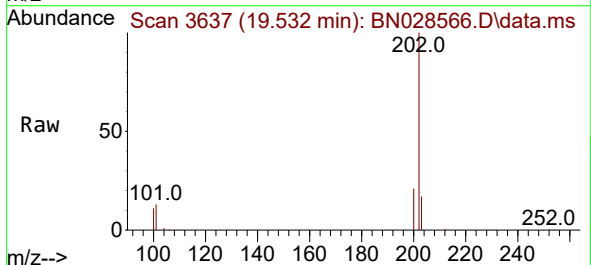
Instrument :  
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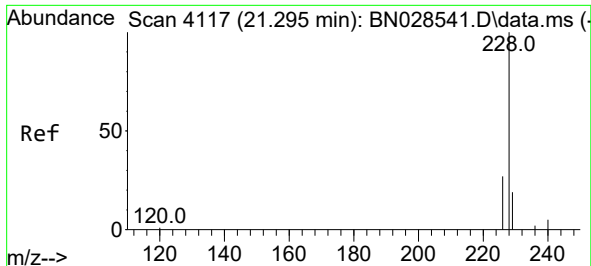
Tgt Ion:202 Resp: 39316  
Ion Ratio Lower Upper  
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101 11.1 9.5 14.3  
100 8.2 7.2 10.8



#20  
Pyrene  
Concen: 0.501 ng/ul  
RT: 19.532 min Scan# 3637  
Delta R.T. -0.008 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:202 Resp: 40390  
Ion Ratio Lower Upper  
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100 10.9 8.2 12.2

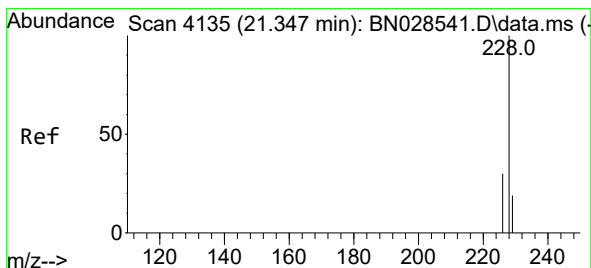
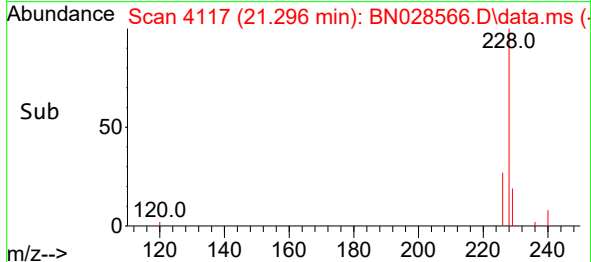
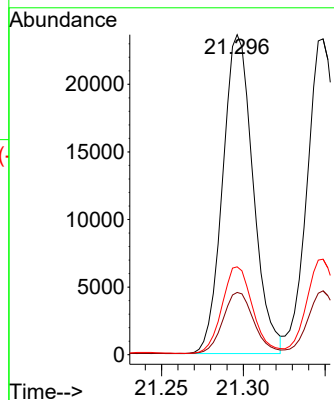
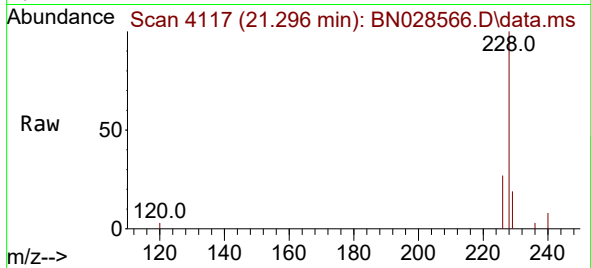




#21  
Benzo(a)anthracene  
Concen: 0.423 ng/ul  
RT: 21.296 min Scan# 4117  
Delta R.T. -0.007 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

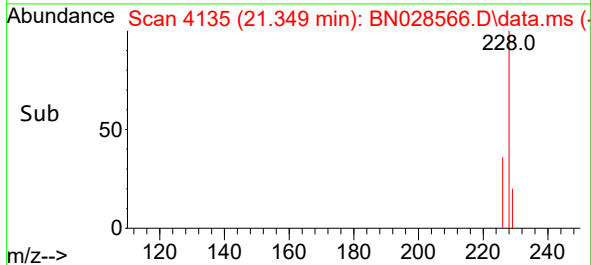
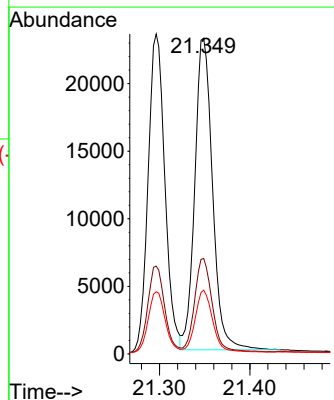
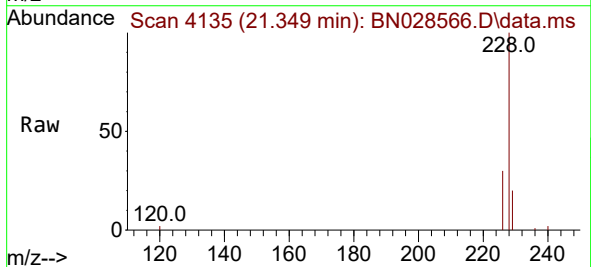
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS740

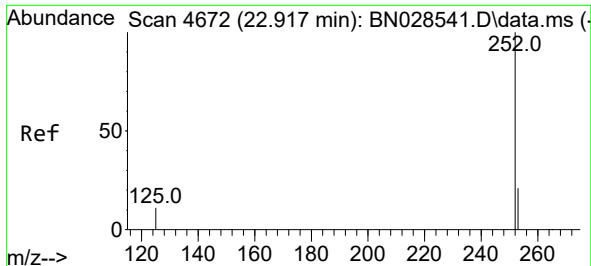
Tgt Ion:228 Resp: 30576  
Ion Ratio Lower Upper  
228 100  
229 19.5 15.7 23.5  
226 27.5 21.4 32.0



#22  
Chrysene  
Concen: 0.445 ng/ul  
RT: 21.349 min Scan# 4135  
Delta R.T. -0.007 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:228 Resp: 31487  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.8 35.8  
229 20.2 15.4 23.2

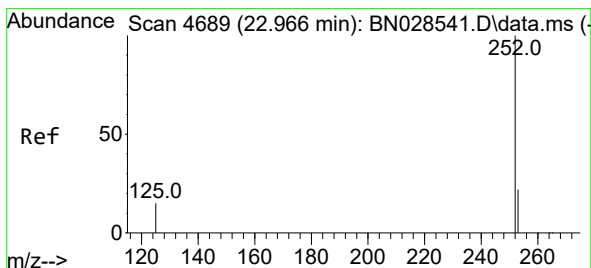
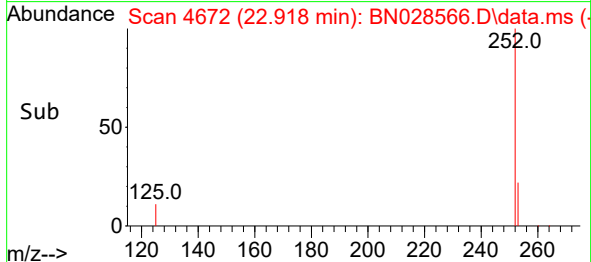
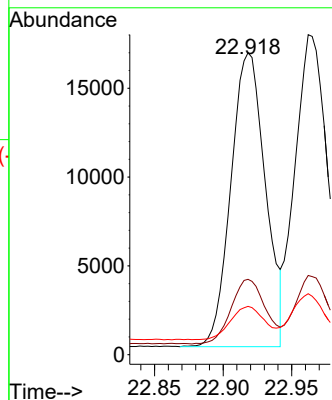
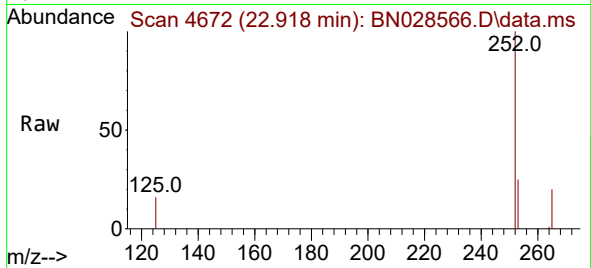




#24  
Benzo(b)fluoranthene  
Concen: 0.466 ng/ul  
RT: 22.918 min Scan# 4672  
Delta R.T. -0.010 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

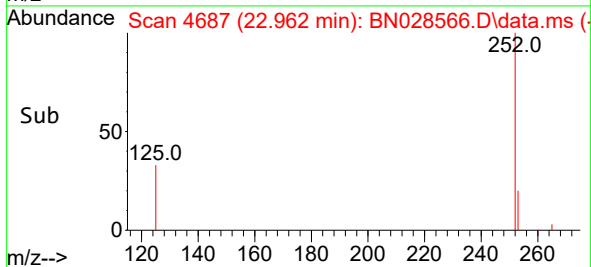
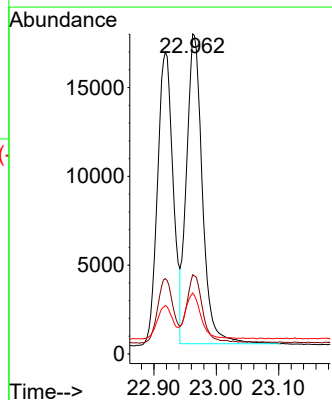
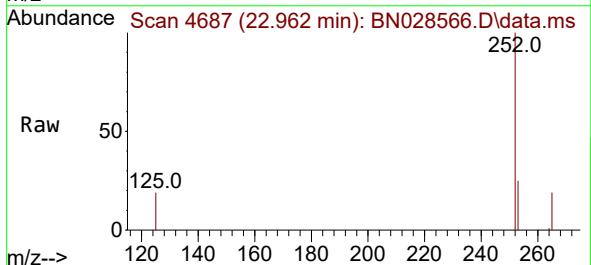
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS740

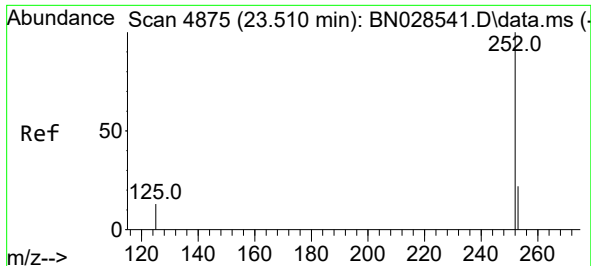
Tgt Ion:252 Resp: 28926  
Ion Ratio Lower Upper  
252 100  
253 25.0 0.0 46.6  
125 16.0 0.0 27.6



#25  
Benzo(k)fluoranthene  
Concen: 0.472 ng/ul  
RT: 22.962 min Scan# 4687  
Delta R.T. -0.013 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:252 Resp: 30709  
Ion Ratio Lower Upper  
252 100  
253 24.7 18.6 28.0  
125 19.1 12.7 19.1

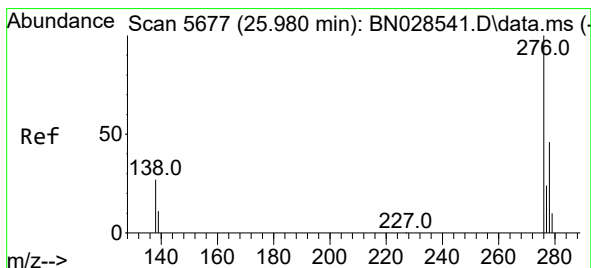
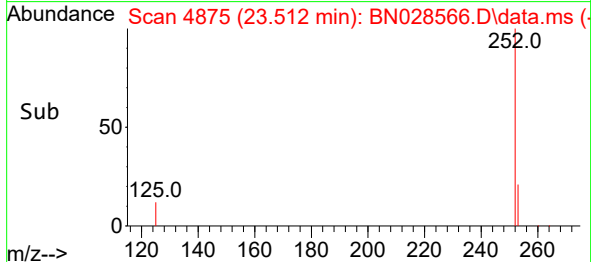
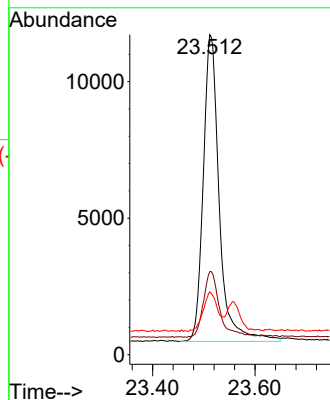
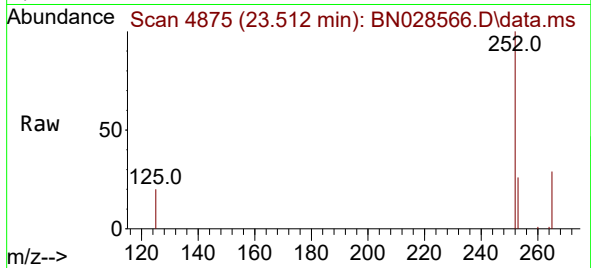




#26  
Benzo(a)pyrene  
Concen: 0.417 ng/ul  
RT: 23.512 min Scan# 4875  
Delta R.T. -0.013 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

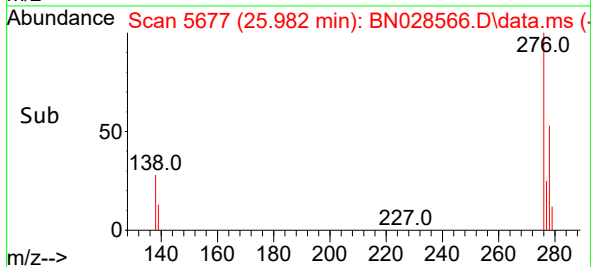
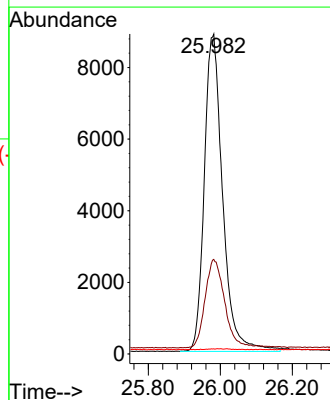
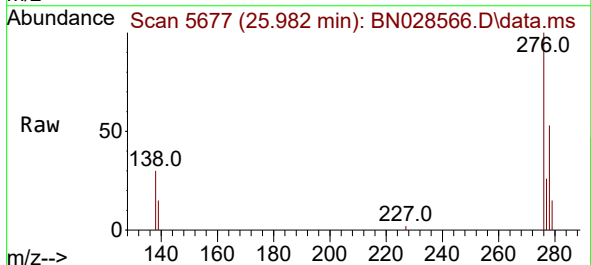
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS740

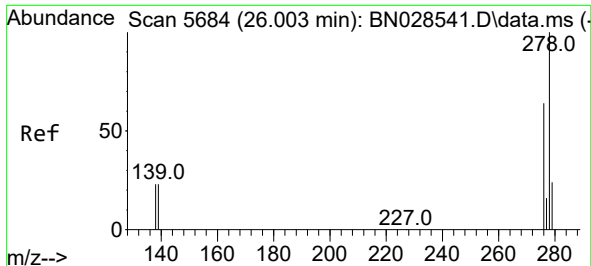
Tgt Ion:252 Resp: 24424  
Ion Ratio Lower Upper  
252 100  
253 26.0 19.0 28.6  
125 19.6 13.2 19.8



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.481 ng/ul  
RT: 25.982 min Scan# 5677  
Delta R.T. -0.012 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:276 Resp: 31294  
Ion Ratio Lower Upper  
276 100  
138 30.0 23.8 35.6  
227 0.1 0.1 0.1

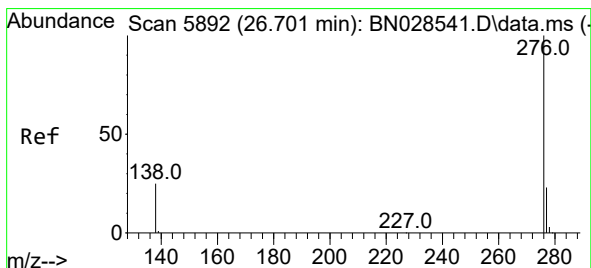
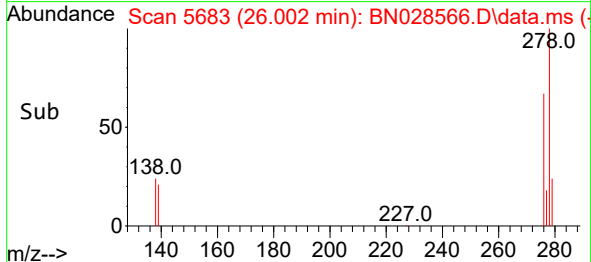
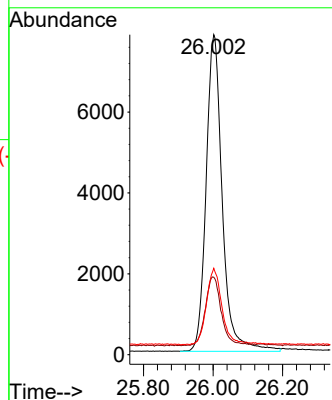
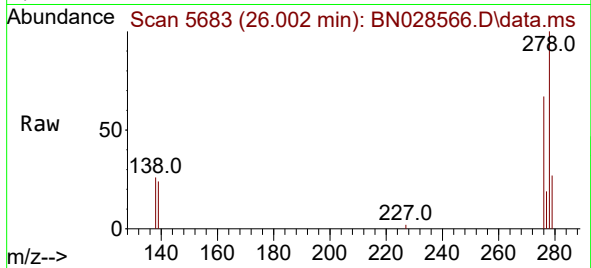




#28  
Dibenzo(a,h)anthracene  
Concen: 0.486 ng/ul  
RT: 26.002 min Scan# 5683  
Delta R.T. -0.015 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS740

Tgt Ion:278 Resp: 25248  
Ion Ratio Lower Upper  
278 100  
139 24.2 18.2 27.4  
279 27.0 20.7 31.1



#29  
Benzo(g,h,i)perylene  
Concen: 0.495 ng/ul  
RT: 26.703 min Scan# 5892  
Delta R.T. -0.015 min  
Lab File: BN028566.D  
Acq: 10 Nov 2023 20:21

Tgt Ion:276 Resp: 26415  
Ion Ratio Lower Upper  
276 100  
138 26.8 20.5 30.7  
277 24.7 19.4 29.0

