

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111523\  
 Data File : BN028635.D  
 Acq On : 15 Nov 2023 19:34  
 Operator : MA/JU  
 Sample : PB157056BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SLCS056

Quant Time: Nov 15 23:01:58 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 : Wed Nov 15 18:38:25 2023  
 Response via : Initial Calibration

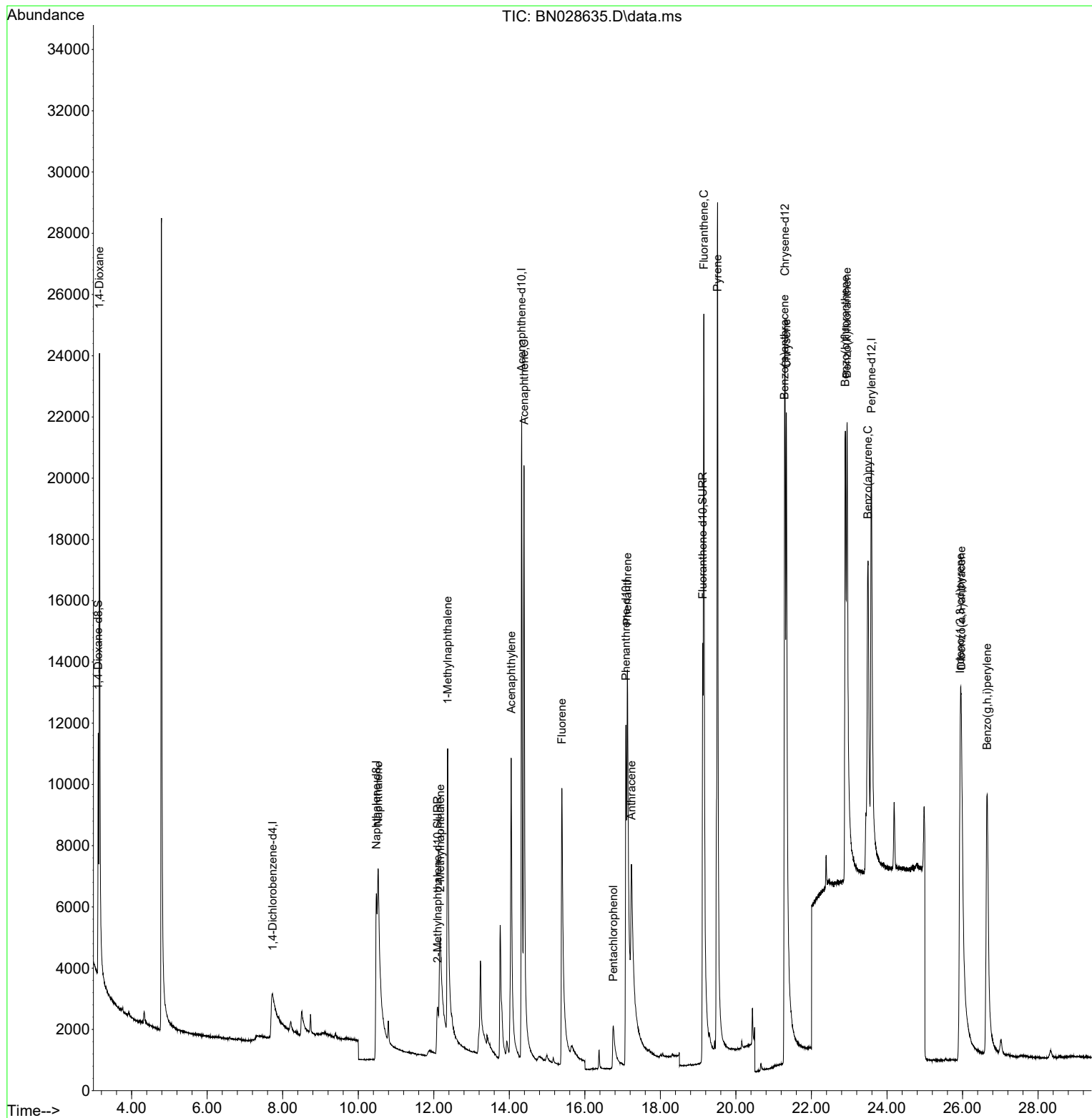
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.734  | 152  | 3682     | 0.400 | ng/ul  | # 0.05   |
| 4) Naphthalene-d8           | 10.481 | 136  | 19159    | 0.400 | ng/ul  | # 0.02   |
| 9) Acenaphthene-d10         | 14.327 | 164  | 15873    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.087 | 188  | 22980    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.298 | 240  | 23998    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.587 | 264  | 23158    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.118  | 96   | 4899     | 1.204 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.103 | 152  | 5268     | 0.183 | ng/ul  | 0.04     |
| 18) Fluoranthene-d10        | 19.124 | 212  | 21780    | 0.282 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       |        | Qvalue   |
| 2) 1,4-Dioxane              | 3.148  | 88   | 13650    | 3.035 | ng/ul# | 83       |
| 5) Naphthalene              | 10.530 | 128  | 15638    | 0.291 | ng/ul  | 97       |
| 7) 2-Methylnaphthalene      | 12.169 | 142  | 6066     | 0.171 | ng/ul  | 97       |
| 8) 1-Methylnaphthalene      | 12.367 | 142  | 10970    | 0.305 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.049 | 152  | 17995    | 0.227 | ng/ul  | 98       |
| 11) Acenaphthene            | 14.392 | 153  | 15636    | 0.268 | ng/ul  | 99       |
| 12) Fluorene                | 15.391 | 166  | 13567    | 0.200 | ng/ul  | 99       |
| 14) Pentachlorophenol       | 16.754 | 266  | 2266     | 0.411 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.129 | 178  | 20355    | 0.288 | ng/ul  | 98       |
| 16) Anthracene              | 17.235 | 178  | 11344    | 0.175 | ng/ul  | 95       |
| 19) Fluoranthene            | 19.152 | 202  | 28556    | 0.280 | ng/ul  | 100      |
| 20) Pyrene                  | 19.514 | 202  | 32688    | 0.309 | ng/ul  | 97       |
| 21) Benzo(a)anthracene      | 21.287 | 228  | 19114    | 0.201 | ng/ul  | 99       |
| 22) Chrysene                | 21.336 | 228  | 24867    | 0.268 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.897 | 252  | 23713    | 0.273 | ng/ul  | 86       |
| 25) Benzo(k)fluoranthene    | 22.944 | 252  | 28445    | 0.313 | ng/ul# | 91       |
| 26) Benzo(a)pyrene          | 23.493 | 252  | 22630    | 0.276 | ng/ul# | 68       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.941 | 276  | 29267    | 0.321 | ng/ul# | 98       |
| 28) Dibenzo(a,h)anthracene  | 25.971 | 278  | 21808    | 0.300 | ng/ul# | 93       |
| 29) Benzo(g,h,i)perylene    | 26.655 | 276  | 26097    | 0.350 | ng/ul  | 98       |

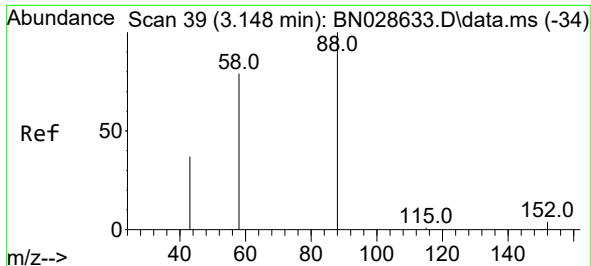
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111523\  
Data File : BN028635.D  
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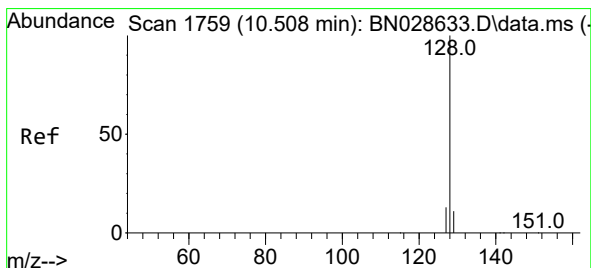
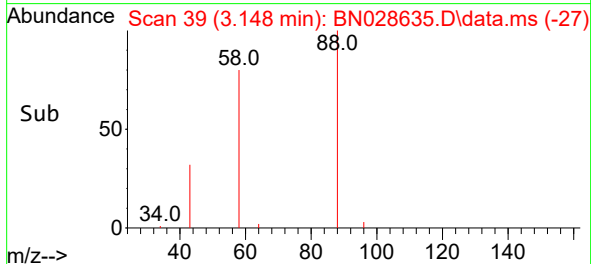
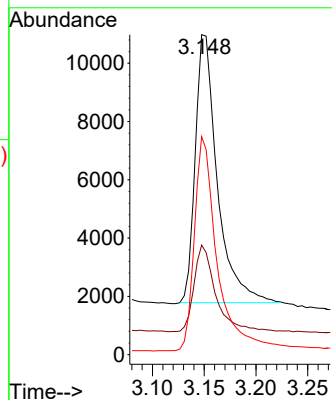
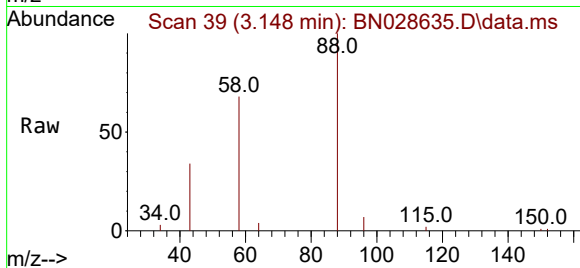




#2  
1,4-Dioxane  
Concen: 3.035 ng/ul  
RT: 3.148 min Scan# 39  
Delta R.T. -0.000 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

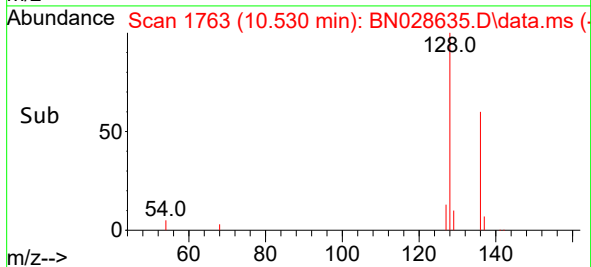
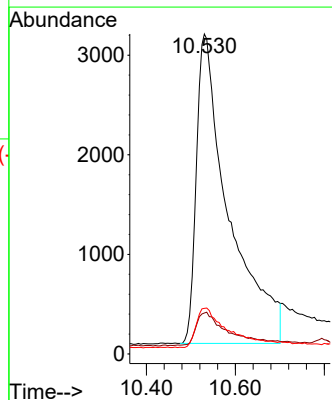
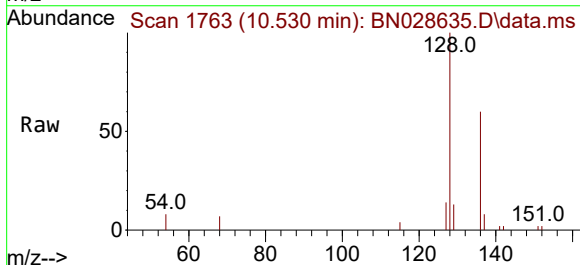
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BNA\_N  
ClientSampleId :  
SLCS056

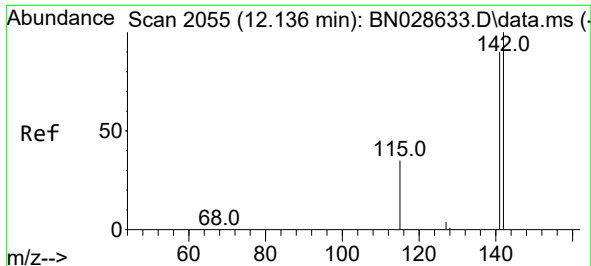
Tgt Ion: 88 Resp: 13650  
Ion Ratio Lower Upper  
88 100  
43 34.2 32.9 49.3  
58 68.2 41.8 62.8#



#5  
Naphthalene  
Concen: 0.291 ng/ul  
RT: 10.530 min Scan# 1763  
Delta R.T. 0.022 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:128 Resp: 15638  
Ion Ratio Lower Upper  
128 100  
129 12.8 9.2 13.8  
127 14.3 10.7 16.1

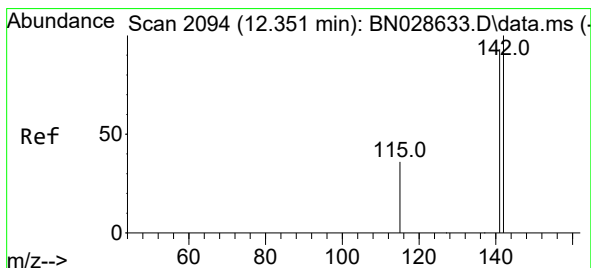
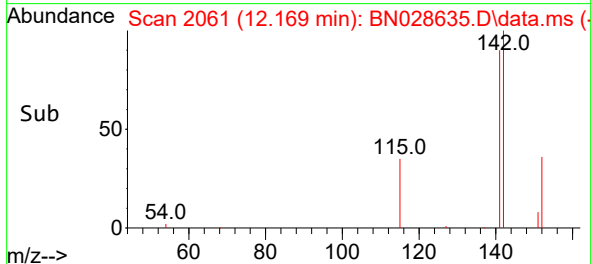
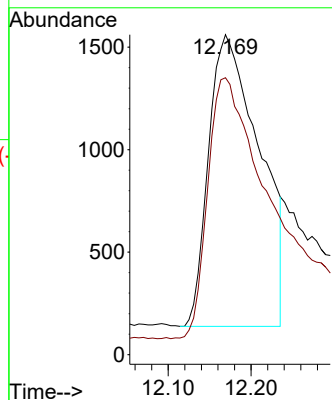
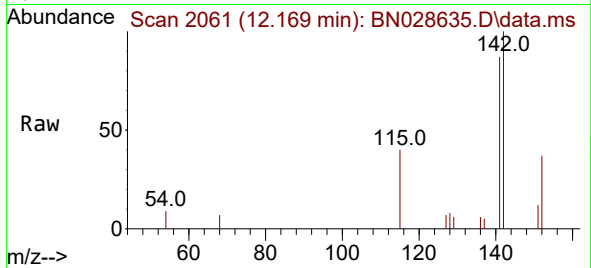




#7  
2-Methylnaphthalene  
Concen: 0.171 ng/ul  
RT: 12.169 min Scan# 2061  
Delta R.T. 0.033 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

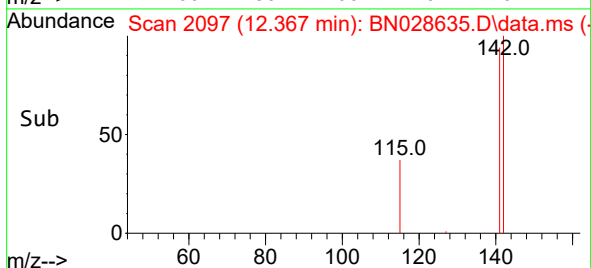
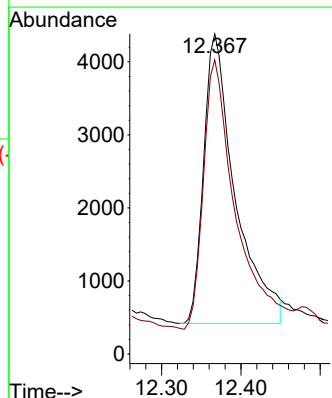
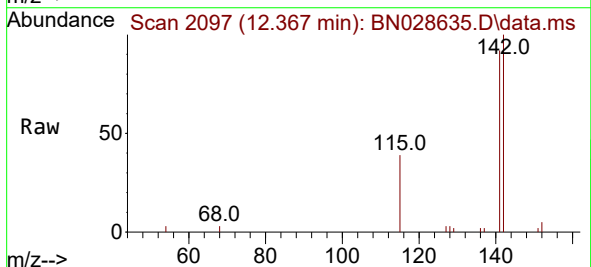
Instrument :  
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ClientSampleId :  
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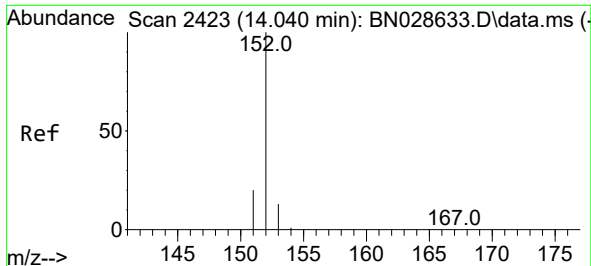
Tgt Ion:142 Resp: 6066  
Ion Ratio Lower Upper  
142 100  
141 91.2 70.8 106.2



#8  
1-Methylnaphthalene  
Concen: 0.305 ng/ul  
RT: 12.367 min Scan# 2097  
Delta R.T. 0.016 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:142 Resp: 10970  
Ion Ratio Lower Upper  
142 100  
141 93.8 74.1 111.1

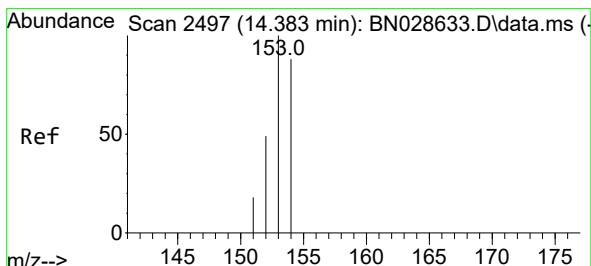
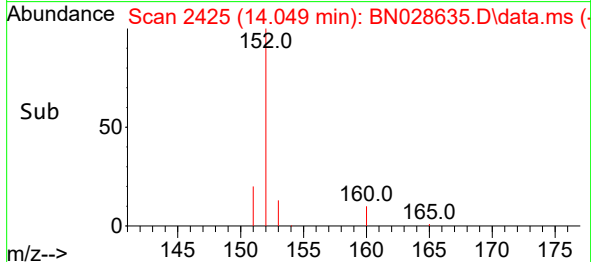
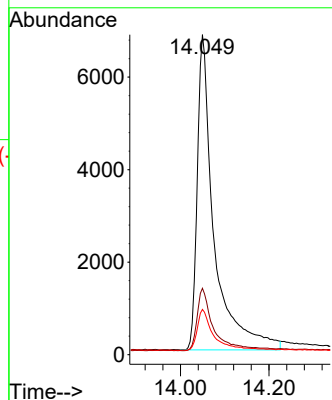
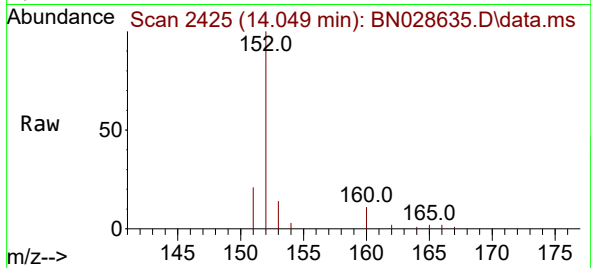




#10  
Acenaphthylene  
Concen: 0.227 ng/ul  
RT: 14.049 min Scan# 2423  
Delta R.T. 0.009 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

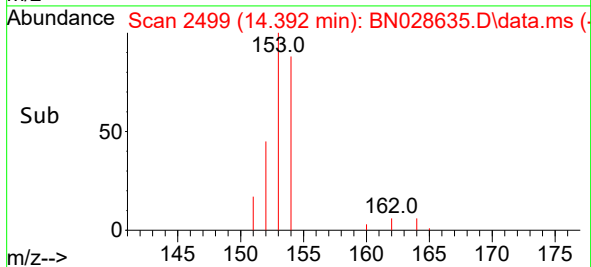
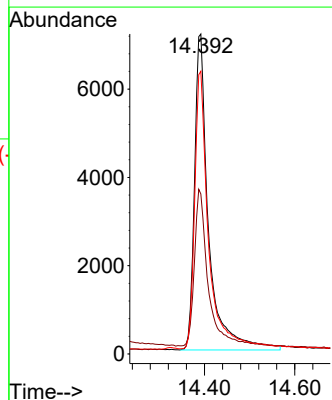
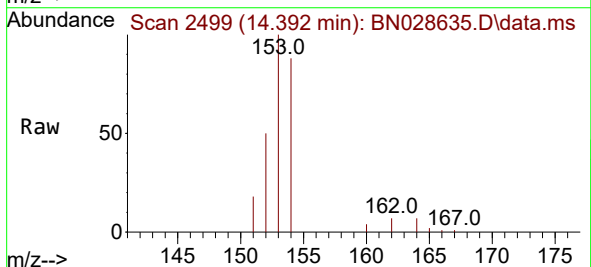
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ClientSampleId :  
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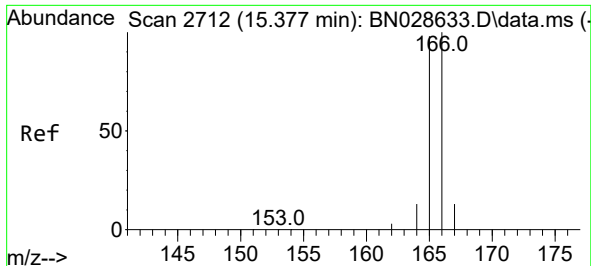
Tgt Ion:152 Resp: 17995  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.1 24.1  
153 14.1 10.6 15.8



#11  
Acenaphthene  
Concen: 0.268 ng/ul  
RT: 14.392 min Scan# 2499  
Delta R.T. 0.009 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:153 Resp: 15636  
Ion Ratio Lower Upper  
153 100  
152 50.0 39.6 59.4  
154 88.4 71.0 106.6

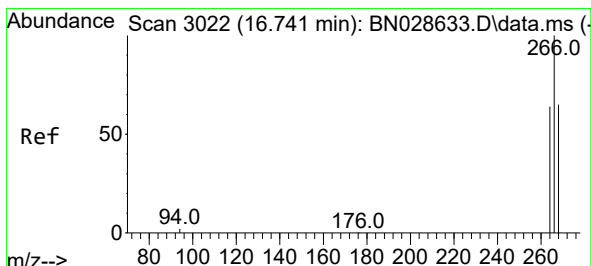
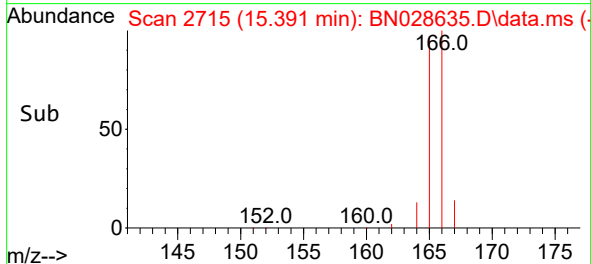
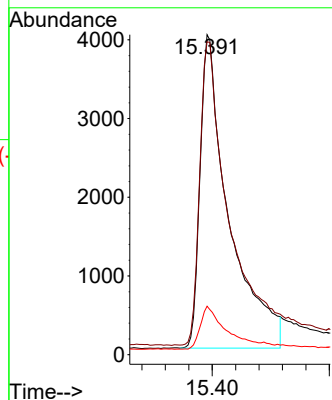
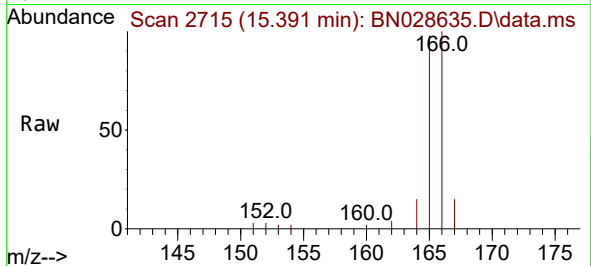




#12  
 Fluorene  
 Concen: 0.200 ng/ul  
 RT: 15.391 min Scan# 2715  
 Delta R.T. 0.014 min  
 Lab File: BN028635.D  
 Acq: 15 Nov 2023 19:34

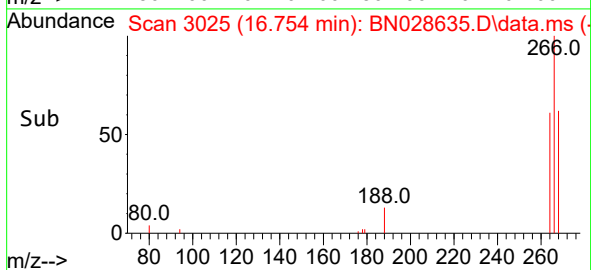
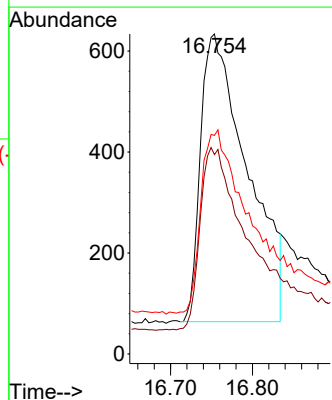
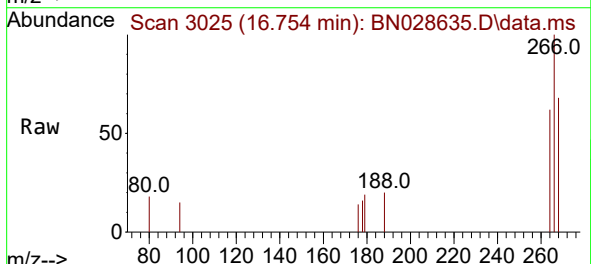
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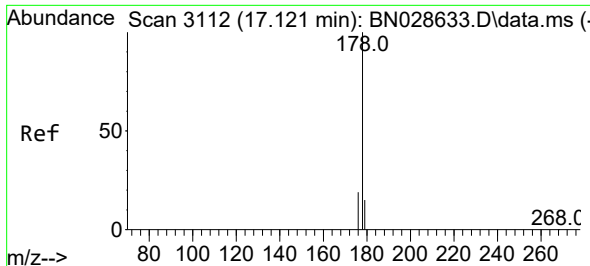
Tgt Ion:166 Resp: 13567  
 Ion Ratio Lower Upper  
 166 100  
 165 97.8 78.6 118.0  
 167 15.2 11.0 16.6



#14  
 Pentachlorophenol  
 Concen: 0.411 ng/ul  
 RT: 16.754 min Scan# 3025  
 Delta R.T. 0.012 min  
 Lab File: BN028635.D  
 Acq: 15 Nov 2023 19:34

Tgt Ion:266 Resp: 2266  
 Ion Ratio Lower Upper  
 266 100  
 264 62.1 50.1 75.1  
 268 63.8 50.6 75.8

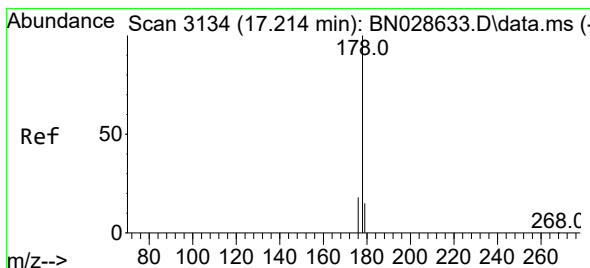
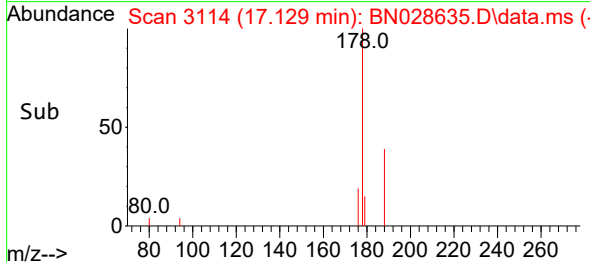
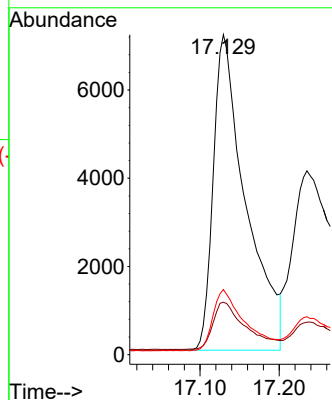
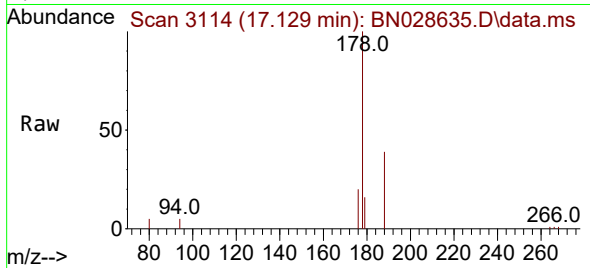




#15  
Phenanthrene  
Concen: 0.288 ng/ul  
RT: 17.129 min Scan# 3112  
Delta R.T. 0.008 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

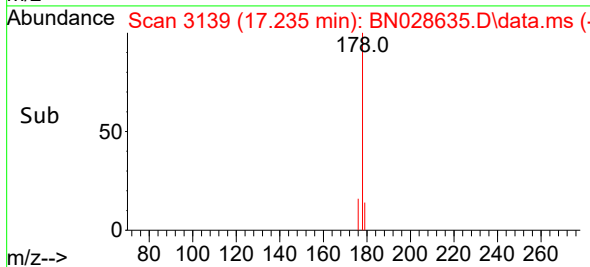
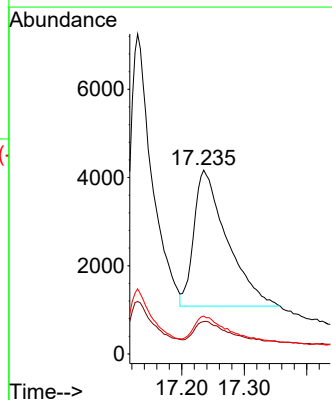
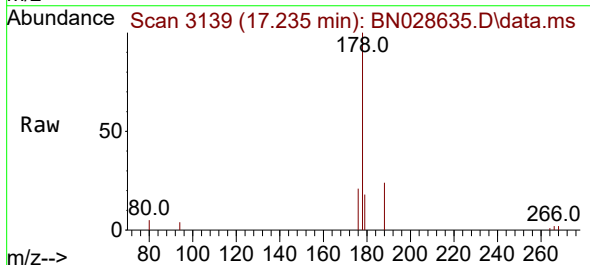
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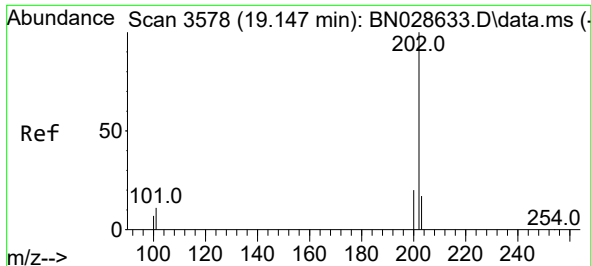
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Ion Ratio Lower Upper  
178 100  
179 16.4 12.4 18.6  
176 20.3 15.4 23.2



#16  
Anthracene  
Concen: 0.175 ng/ul  
RT: 17.235 min Scan# 3139  
Delta R.T. 0.021 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:178 Resp: 11344  
Ion Ratio Lower Upper  
178 100  
179 17.7 12.6 18.8  
176 20.6 14.9 22.3

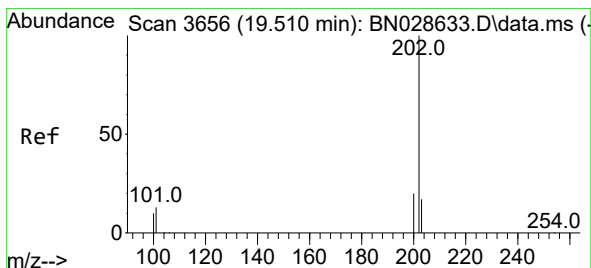
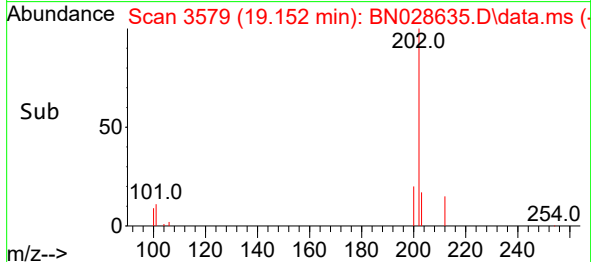
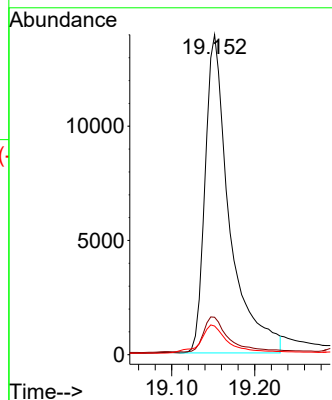
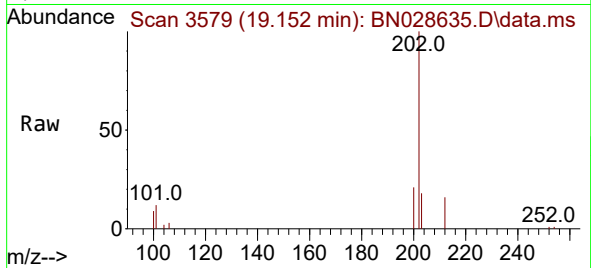




#19  
Fluoranthene  
Concen: 0.280 ng/ul  
RT: 19.152 min Scan# 3579  
Delta R.T. 0.004 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

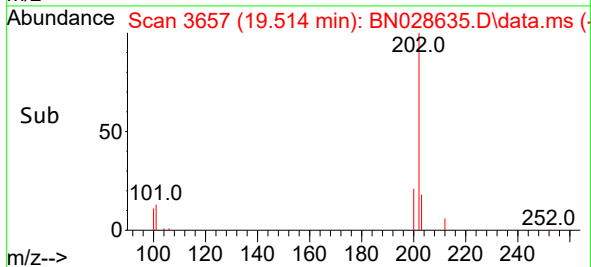
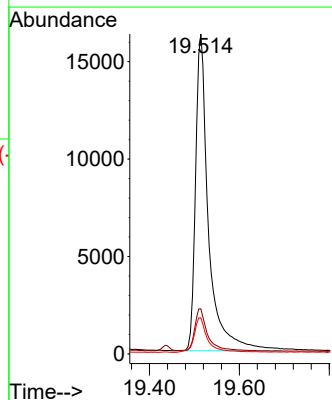
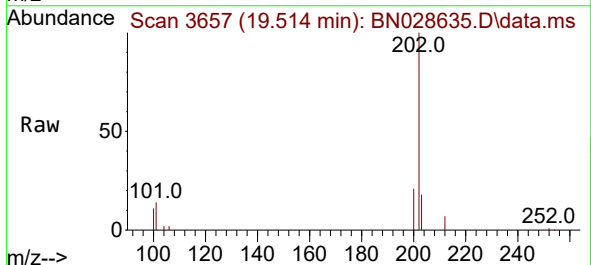
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ClientSampleId :  
SLCS056

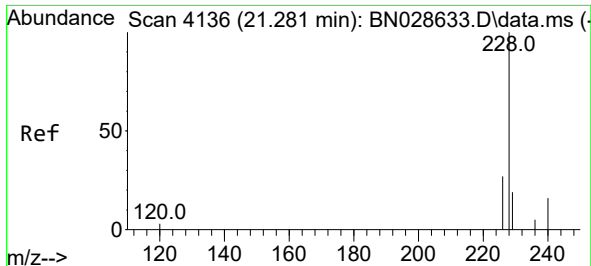
Tgt Ion:202 Resp: 28556  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.5 14.3  
100 9.0 7.2 10.8



#20  
Pyrene  
Concen: 0.309 ng/ul  
RT: 19.514 min Scan# 3657  
Delta R.T. 0.004 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:202 Resp: 32688  
Ion Ratio Lower Upper  
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100 11.3 8.2 12.2

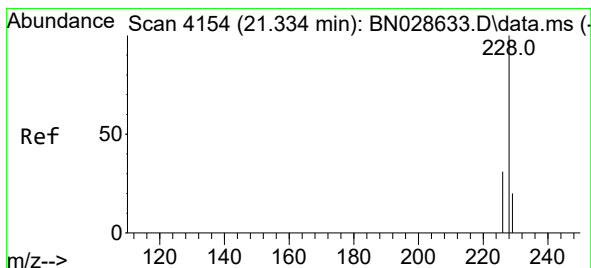
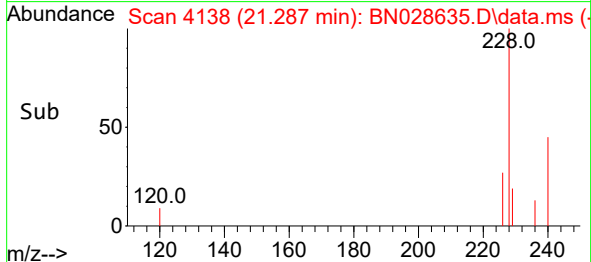
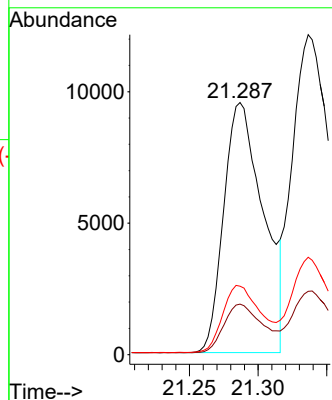
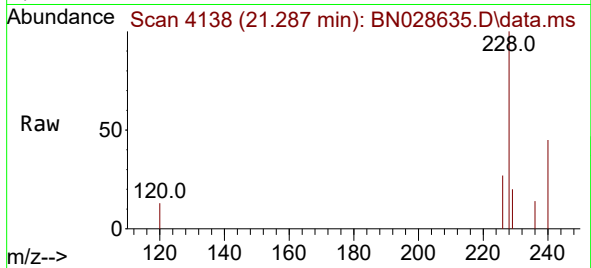




#21  
Benzo(a)anthracene  
Concen: 0.201 ng/ul  
RT: 21.287 min Scan# 4136  
Delta R.T. 0.006 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

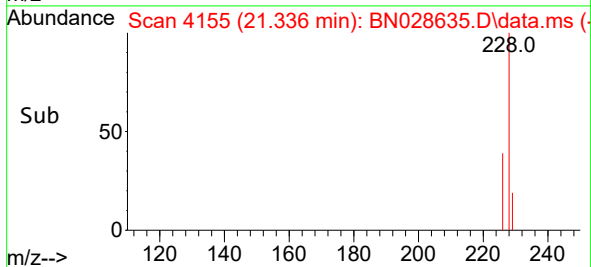
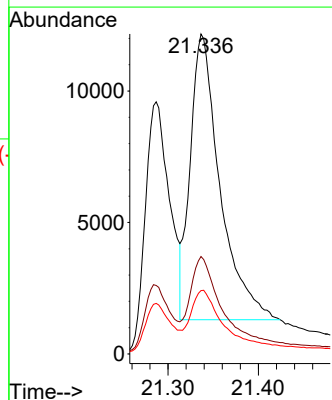
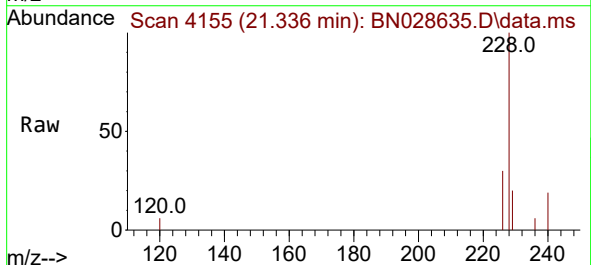
Instrument :  
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ClientSampleId :  
SLCS056

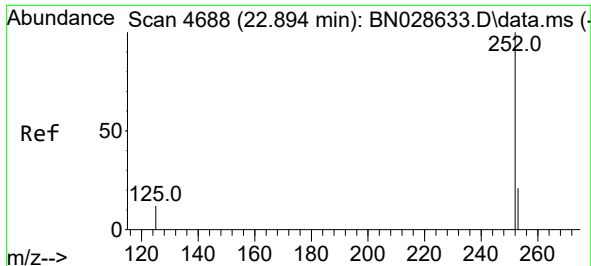
Tgt Ion:228 Resp: 19114  
Ion Ratio Lower Upper  
228 100  
229 20.1 15.7 23.5  
226 27.1 21.4 32.0



#22  
Chrysene  
Concen: 0.268 ng/ul  
RT: 21.336 min Scan# 4155  
Delta R.T. 0.003 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:228 Resp: 24867  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.8 35.8  
229 19.8 15.4 23.2

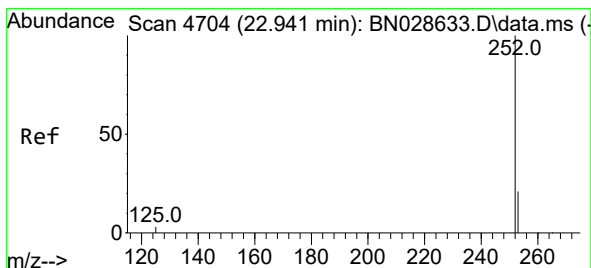
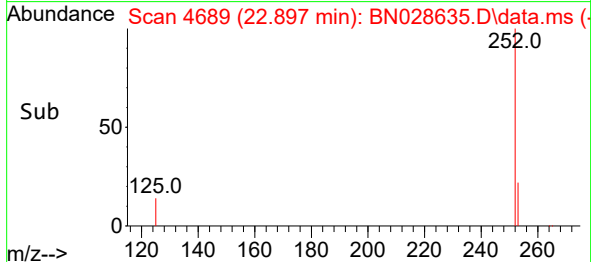
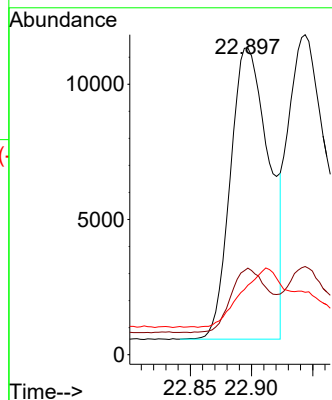
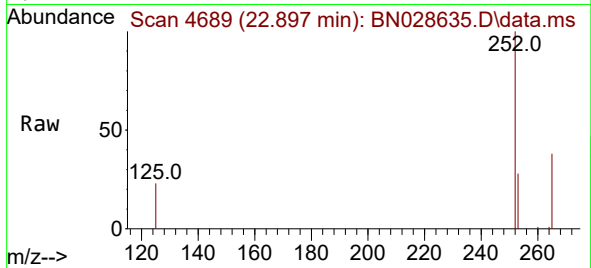




#24  
Benzo(b)fluoranthene  
Concen: 0.273 ng/ul  
RT: 22.897 min Scan# 4689  
Delta R.T. 0.003 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

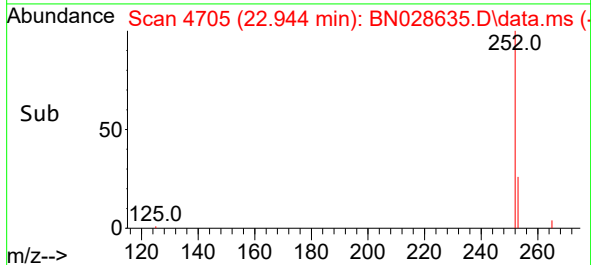
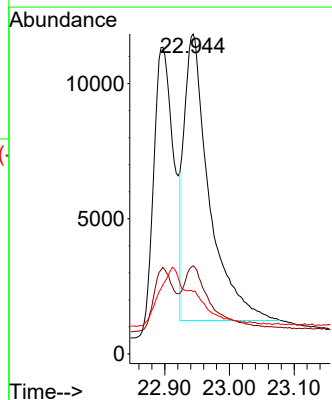
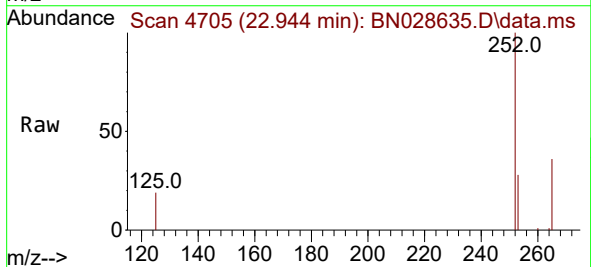
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS056

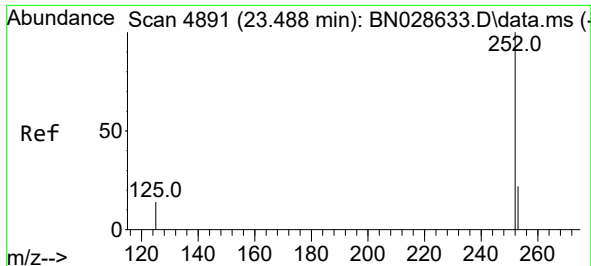
Tgt Ion:252 Resp: 23713  
Ion Ratio Lower Upper  
252 100  
253 28.2 0.0 46.6  
125 22.6 0.0 27.6



#25  
Benzo(k)fluoranthene  
Concen: 0.313 ng/ul  
RT: 22.944 min Scan# 4705  
Delta R.T. 0.003 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:252 Resp: 28445  
Ion Ratio Lower Upper  
252 100  
253 27.6 18.6 28.0  
125 19.5 12.7 19.1#

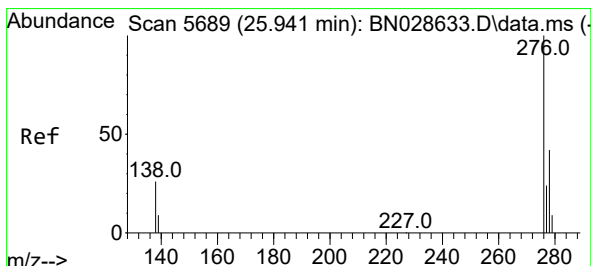
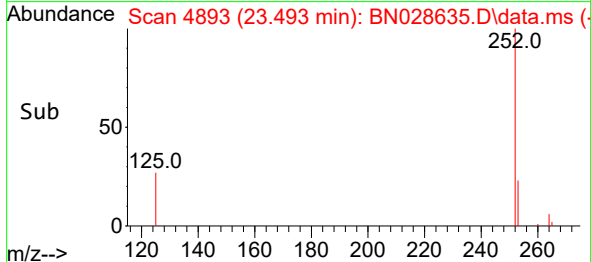
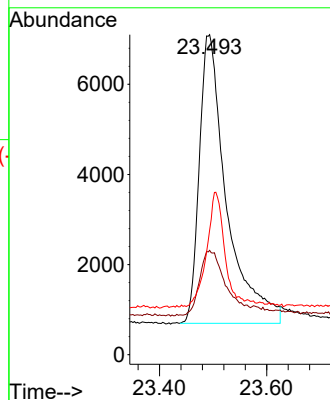
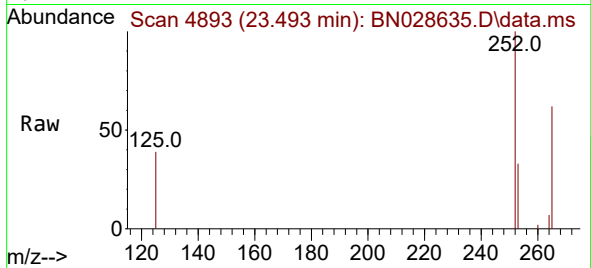




#26  
Benzo(a)pyrene  
Concen: 0.276 ng/ul  
RT: 23.493 min Scan# 4893  
Delta R.T. 0.006 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

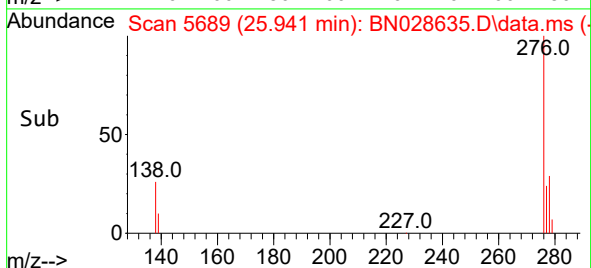
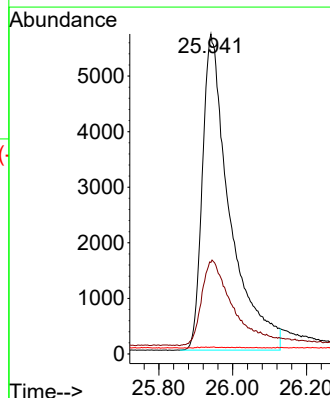
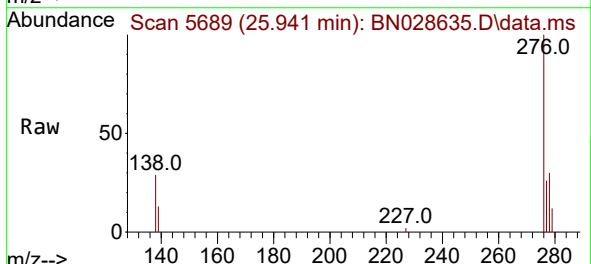
Instrument :  
BNA\_N  
ClientSampleId :  
SLCS056

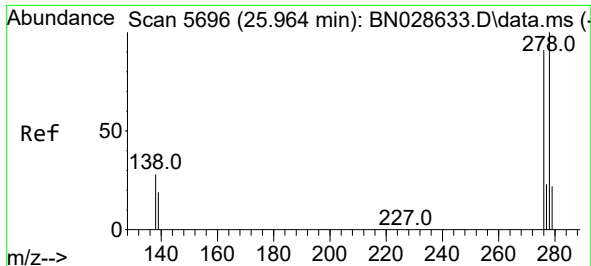
Tgt Ion:252 Resp: 22630  
Ion Ratio Lower Upper  
252 100  
253 32.6 19.0 28.6#  
125 39.0 13.2 19.8#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.321 ng/ul  
RT: 25.941 min Scan# 5689  
Delta R.T. -0.000 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:276 Resp: 29267  
Ion Ratio Lower Upper  
276 100  
138 31.0 23.8 35.6  
227 0.1 0.1 0.1#

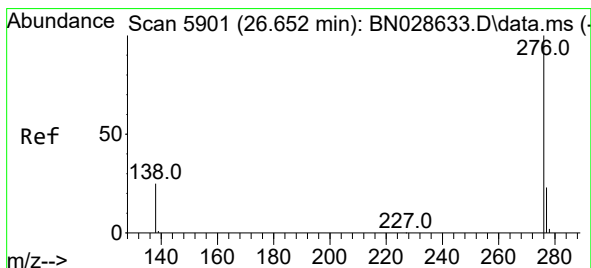
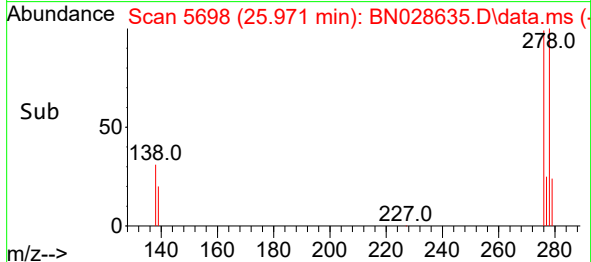
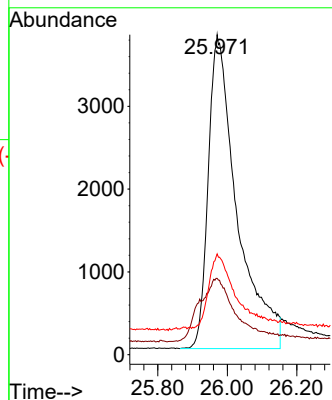
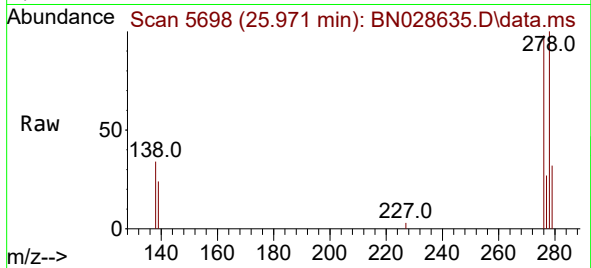




#28  
Dibenzo(a,h)anthracene  
Concen: 0.300 ng/ul  
RT: 25.971 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Instrument :  
BNA\_N  
ClientSampleId :  
SLCS056

Tgt Ion:278 Resp: 21808  
Ion Ratio Lower Upper  
278 100  
139 23.9 18.2 27.4  
279 31.5 20.7 31.1#



#29  
Benzo(g,h,i)perylene  
Concen: 0.350 ng/ul  
RT: 26.655 min Scan# 5902  
Delta R.T. 0.003 min  
Lab File: BN028635.D  
Acq: 15 Nov 2023 19:34

Tgt Ion:276 Resp: 26097  
Ion Ratio Lower Upper  
276 100  
138 27.1 20.5 30.7  
277 24.7 19.4 29.0

