

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013125\  
 Data File : BN036196.D  
 Acq On : 01 Feb 2025 08:41  
 Operator : RC/JU  
 Sample : Q1224-06MS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A6305MS

Quant Time: Feb 03 12:04:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-SIM-BN012125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 21 23:52:22 2025  
 Response via : Initial Calibration

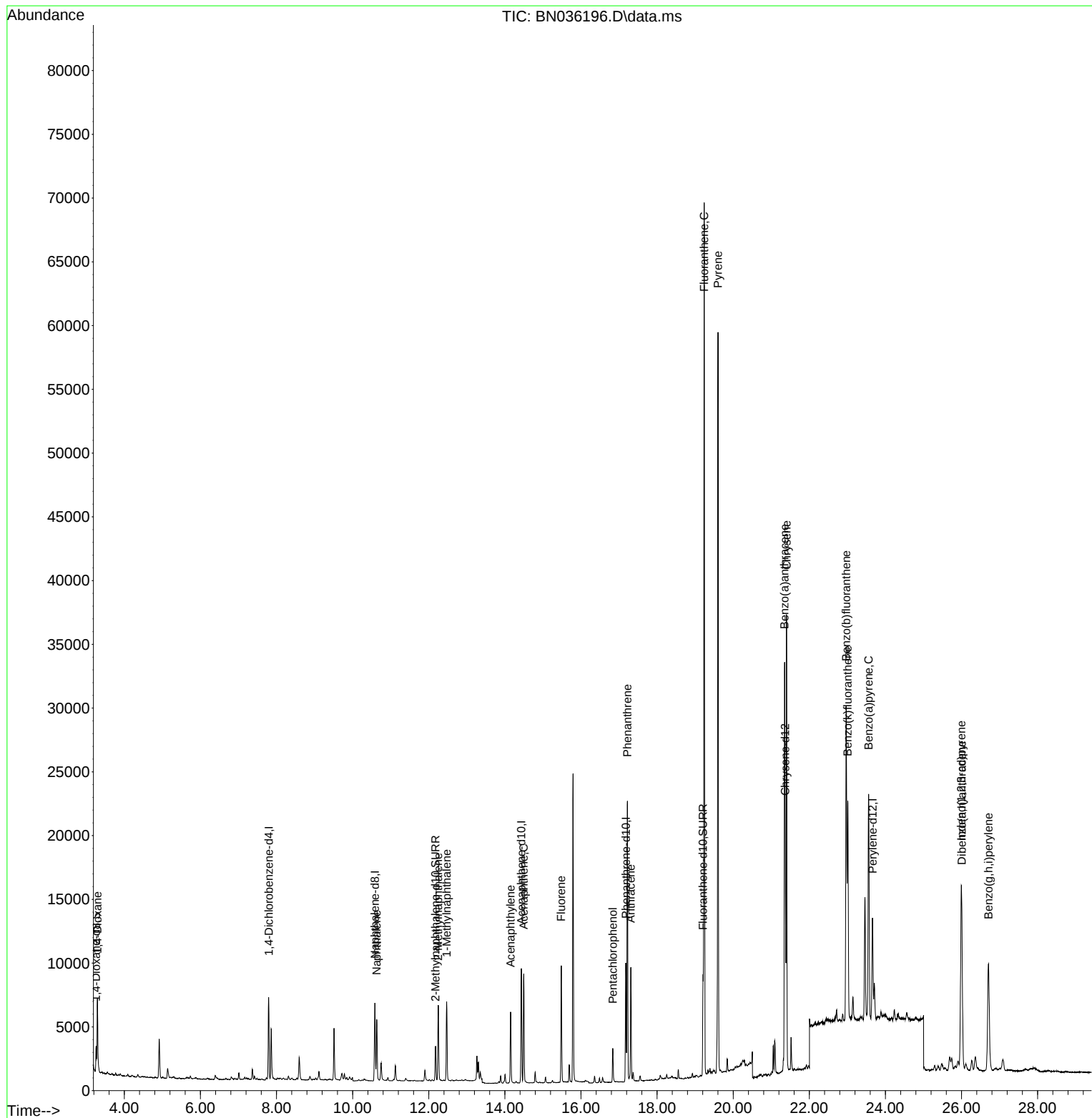
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.795  | 152  | 3182     | 0.400 | ng/ul  | -0.02    |
| 4) Naphthalene-d8           | 10.583 | 136  | 8340     | 0.400 | ng/ul  | -0.02    |
| 9) Acenaphthene-d10         | 14.431 | 164  | 5015     | 0.400 | ng/ul  | -0.02    |
| 13) Phenanthrene-d10        | 17.179 | 188  | 10885    | 0.400 | ng/ul  | -0.01    |
| 17) Chrysene-d12            | 21.366 | 240  | 10893    | 0.400 | ng/ul  | # 0.00   |
| 23) Perylene-d12            | 23.660 | 264  | 10461    | 0.400 | ng/ul  | # 0.00   |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.259  | 96   | 1342     | 0.385 | ng/ul  | -0.02    |
| 6) 2-Methylnaphthalene-d10  | 12.178 | 152  | 3454     | 0.328 | ng/ul  | -0.02    |
| 18) Fluoranthene-d10        | 19.206 | 212  | 8904     | 0.297 | ng/ul  | -0.01    |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.293  | 88   | 3706     | 0.996 | ng/ul  | 93       |
| 5) Naphthalene              | 10.633 | 128  | 6202     | 0.270 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.249 | 142  | 4112     | 0.288 | ng/ul  | 99       |
| 8) 1-Methylnaphthalene      | 12.469 | 142  | 4156     | 0.287 | ng/ul  | 100      |
| 10) Acenaphthylene          | 14.149 | 152  | 6513     | 0.276 | ng/ul  | 99       |
| 11) Acenaphthene            | 14.496 | 153  | 4855     | 0.279 | ng/ul  | 98       |
| 12) Fluorene                | 15.482 | 166  | 5607     | 0.292 | ng/ul  | 100      |
| 14) Pentachlorophenol       | 16.837 | 266  | 1808     | 0.474 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.221 | 178  | 23082    | 0.724 | ng/ul  | 97       |
| 16) Anthracene              | 17.309 | 178  | 9107     | 0.307 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.238 | 202  | 55566    | 1.342 | ng/ul  | 99       |
| 20) Pyrene                  | 19.601 | 202  | 47597    | 1.101 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.348 | 228  | 26116    | 0.672 | ng/ul  | 99       |
| 22) Chrysene                | 21.401 | 228  | 31774    | 0.800 | ng/ul  | 98       |
| 24) Benzo(b)fluoranthene    | 22.970 | 252  | 37247    | 1.067 | ng/ul  | 96       |
| 25) Benzo(k)fluoranthene    | 23.011 | 252  | 20101    | 0.548 | ng/ul# | 93       |
| 26) Benzo(a)pyrene          | 23.558 | 252  | 25037    | 0.794 | ng/ul# | 96       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.995 | 276  | 20724    | 0.497 | ng/ul# | 96       |
| 28) Dibenzo(a,h)anthracene  | 26.008 | 278  | 10316    | 0.321 | ng/ul# | 92       |
| 29) Benzo(g,h,i)perylene    | 26.709 | 276  | 17895    | 0.552 | ng/ul  | 99       |

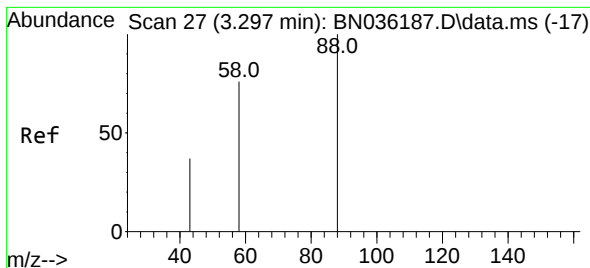
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN013125\  
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QLast Update : Tue Jan 21 23:52:22 2025  
Response via : Initial Calibration





#2

1,4-Dioxane

Concen: 0.996 ng/ul

RT: 3.293 min Scan# 2

Delta R.T. -0.021 min

Lab File: BN036196.D

Acq: 01 Feb 2025 08:41

Instrument :

BNA\_N

ClientSampleId :

A6305MS

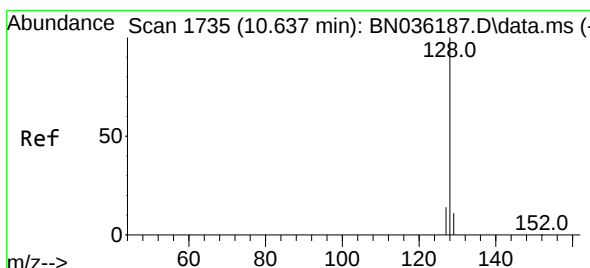
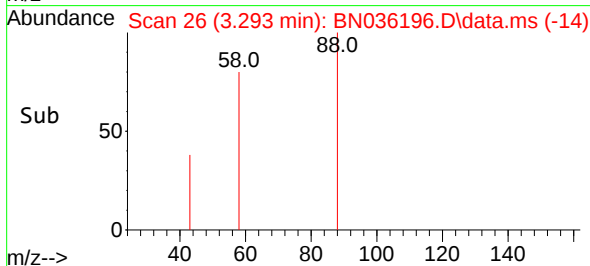
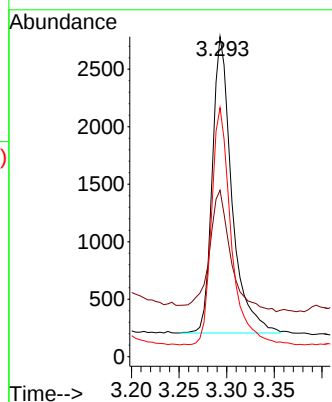
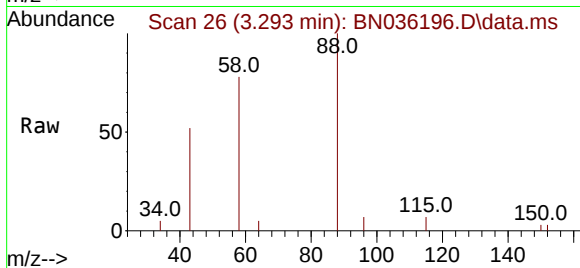
Tgt Ion: 88 Resp: 3706

Ion Ratio Lower Upper

88 100

43 52.0 40.7 61.1

58 77.8 55.2 82.8



#5

Naphthalene

Concen: 0.270 ng/ul

RT: 10.633 min Scan# 1734

Delta R.T. -0.022 min

Lab File: BN036196.D

Acq: 01 Feb 2025 08:41

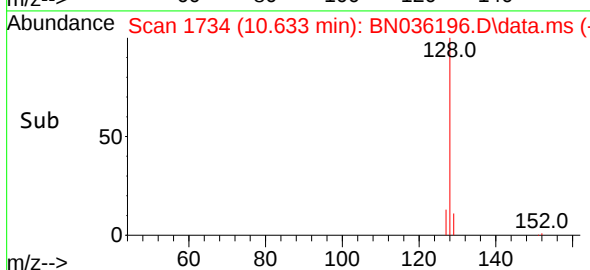
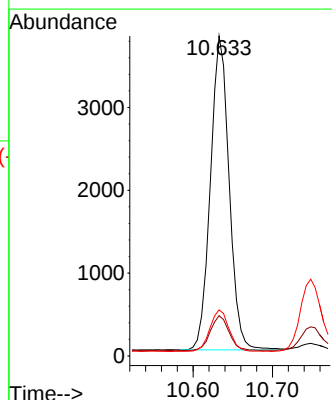
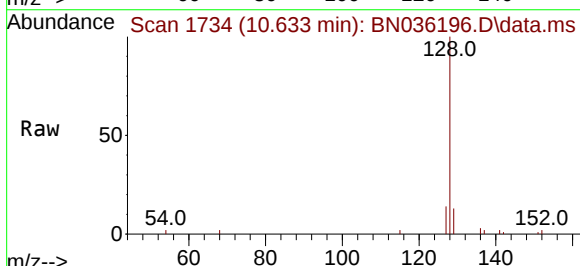
Tgt Ion: 128 Resp: 6202

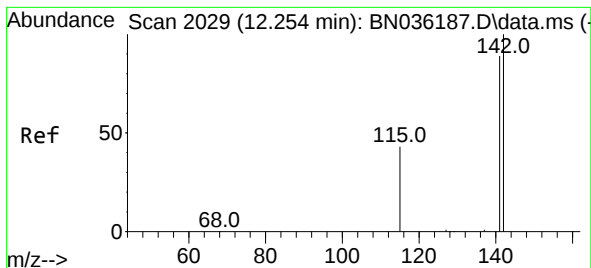
Ion Ratio Lower Upper

128 100

129 12.6 9.6 14.4

127 14.4 12.0 18.0

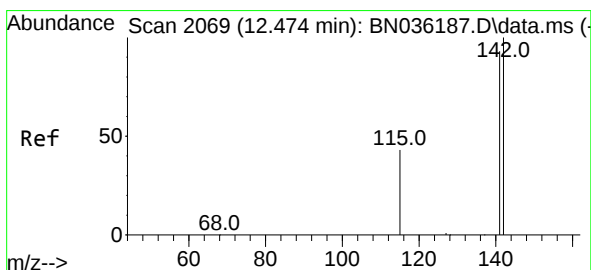
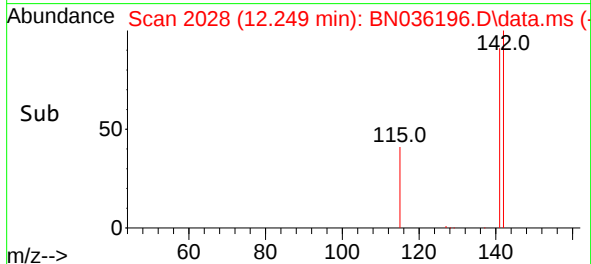
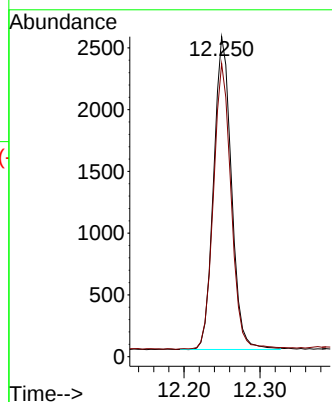
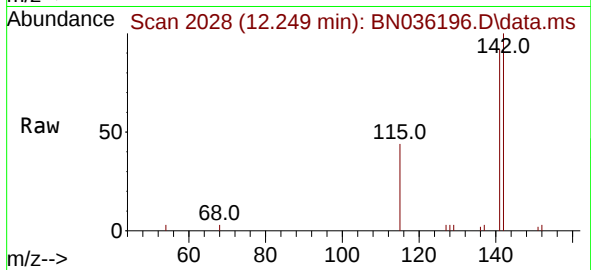




#7  
2-Methylnaphthalene  
Concen: 0.288 ng/ul  
RT: 12.249 min Scan# 2029  
Delta R.T. -0.022 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

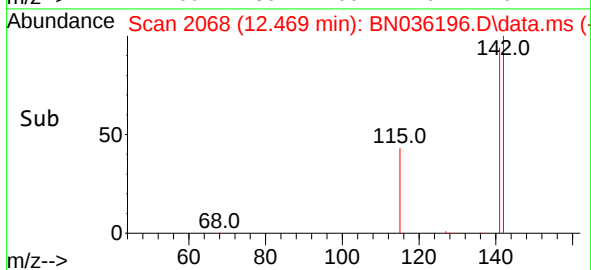
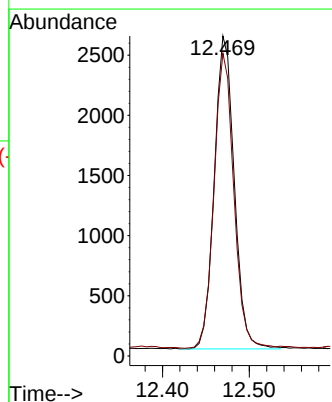
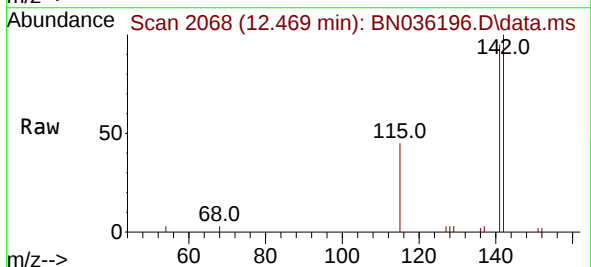
Instrument :  
BNA\_N  
ClientSampleId :  
A6305MS

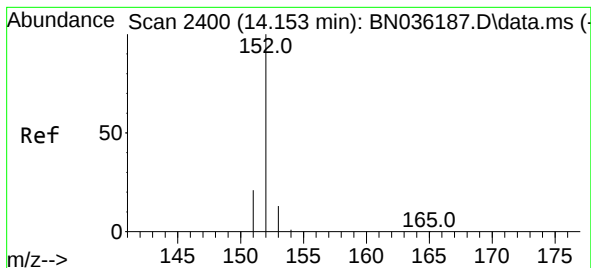
Tgt Ion:142 Resp: 4112  
Ion Ratio Lower Upper  
142 100  
141 90.9 71.9 107.9



#8  
1-Methylnaphthalene  
Concen: 0.287 ng/ul  
RT: 12.469 min Scan# 2068  
Delta R.T. -0.022 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:142 Resp: 4156  
Ion Ratio Lower Upper  
142 100  
141 93.7 75.2 112.8





#10

Acenaphthylene

Concen: 0.276 ng/ul

RT: 14.149 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN036196.D

Acq: 01 Feb 2025 08:41

Instrument :

BNA\_N

ClientSampleId :

A6305MS

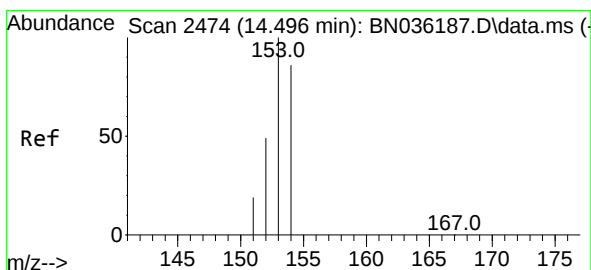
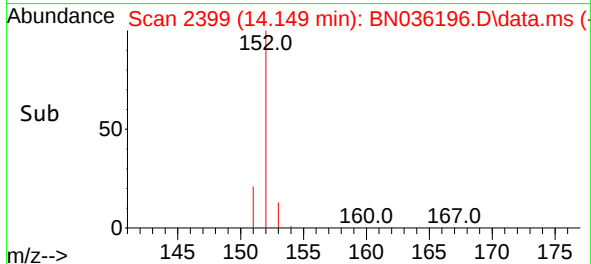
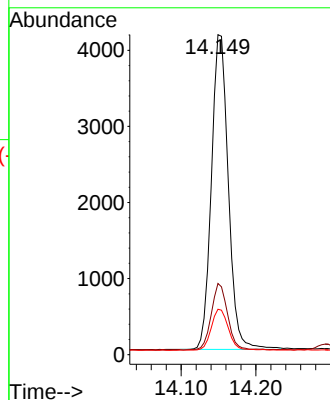
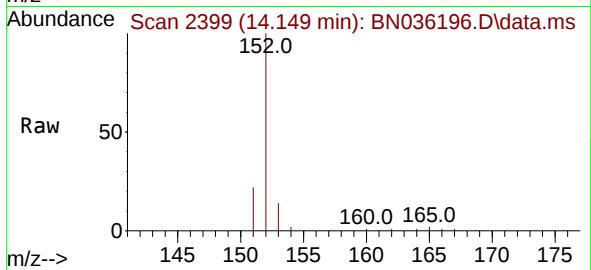
Tgt Ion:152 Resp: 6513

Ion Ratio Lower Upper

152 100

151 22.3 17.4 26.2

153 14.2 11.9 17.9



#11

Acenaphthene

Concen: 0.279 ng/ul

RT: 14.496 min Scan# 2474

Delta R.T. -0.018 min

Lab File: BN036196.D

Acq: 01 Feb 2025 08:41

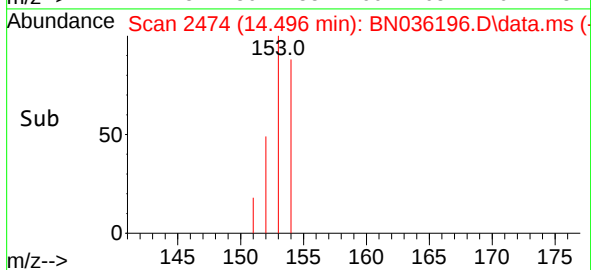
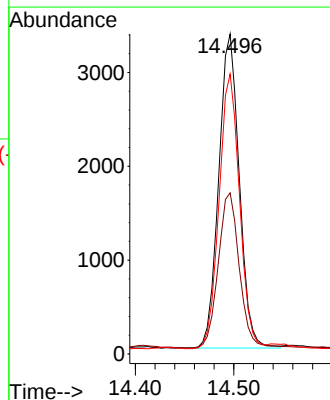
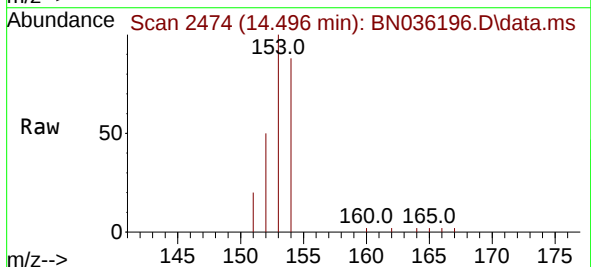
Tgt Ion:153 Resp: 4855

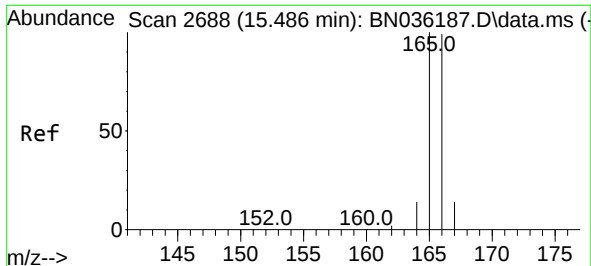
Ion Ratio Lower Upper

153 100

152 50.4 43.2 64.8

154 87.5 70.5 105.7

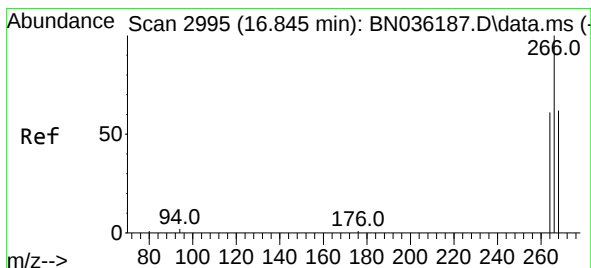
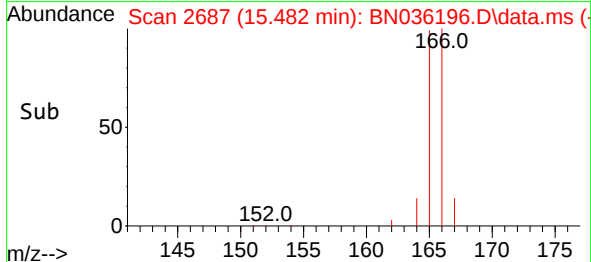
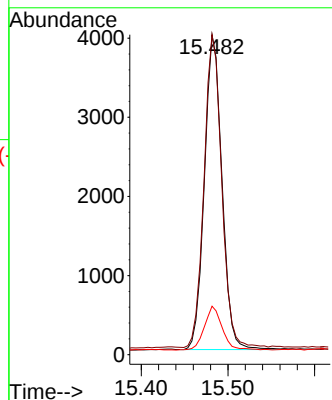
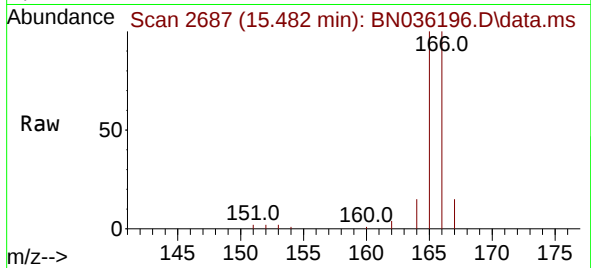




#12  
Fluorene  
Concen: 0.292 ng/ul  
RT: 15.482 min Scan# 2093  
Delta R.T. -0.018 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

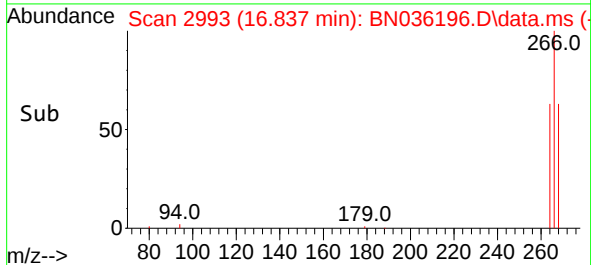
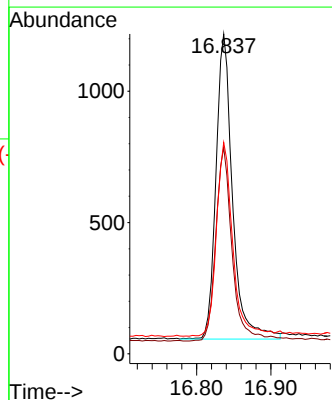
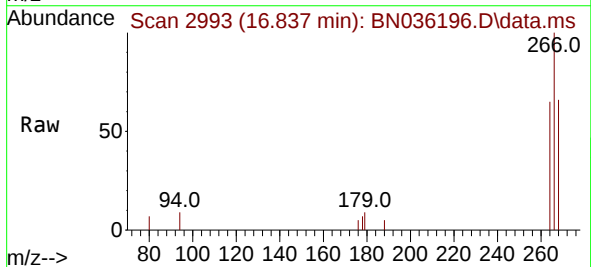
Instrument :  
BNA\_N  
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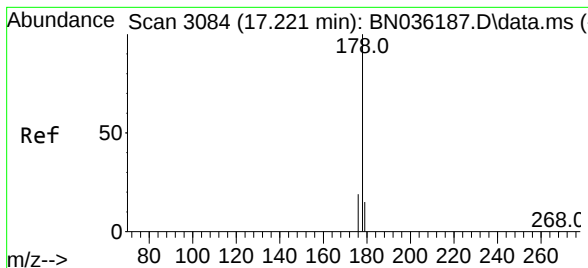
Tgt Ion:166 Resp: 5607  
Ion Ratio Lower Upper  
166 100  
165 100.1 80.3 120.5  
167 15.1 12.3 18.5



#14  
Pentachlorophenol  
Concen: 0.474 ng/ul  
RT: 16.837 min Scan# 2993  
Delta R.T. -0.004 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:266 Resp: 1808  
Ion Ratio Lower Upper  
266 100  
264 62.3 50.6 75.8  
268 62.7 50.6 75.8





#15

Phenanthrene

Concen: 0.724 ng/ul

RT: 17.221 min Scan# 3084

Delta R.T. -0.013 min

Lab File: BN036196.D

Acq: 01 Feb 2025 08:41

Instrument :

BNA\_N

ClientSampleId :

A6305MS

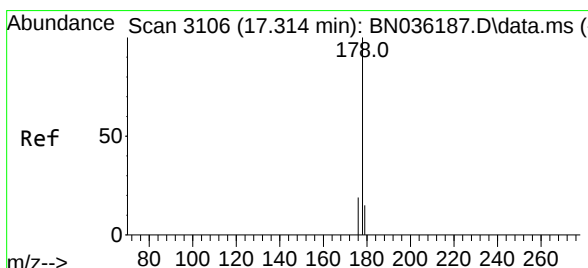
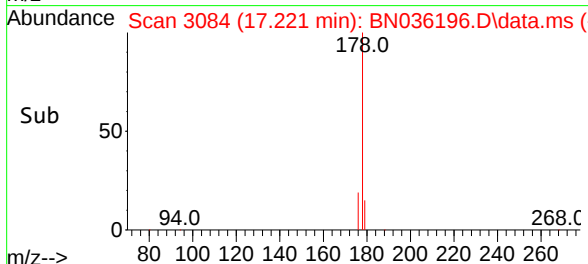
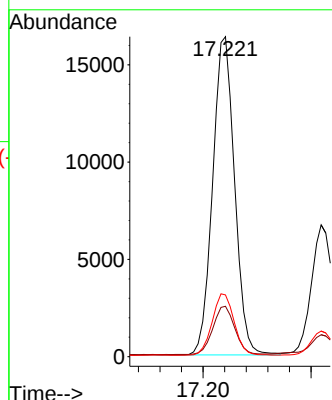
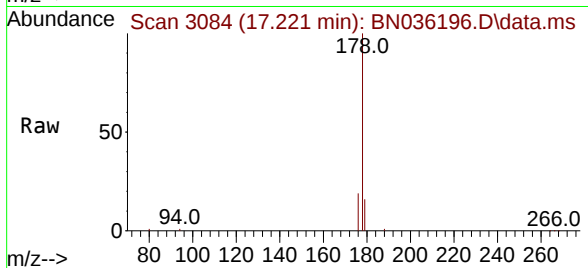
Tgt Ion:178 Resp: 23082

Ion Ratio Lower Upper

178 100

179 15.7 13.2 19.8

176 19.3 16.8 25.2



#16

Anthracene

Concen: 0.307 ng/ul

RT: 17.309 min Scan# 3105

Delta R.T. -0.013 min

Lab File: BN036196.D

Acq: 01 Feb 2025 08:41

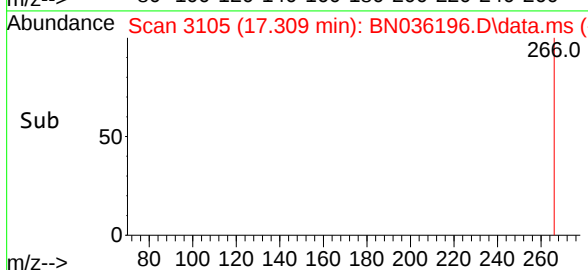
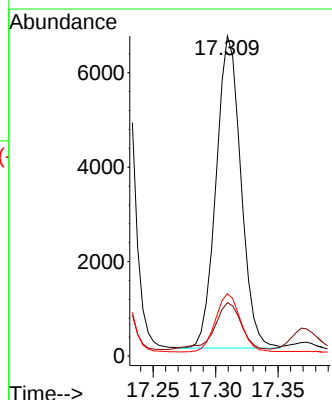
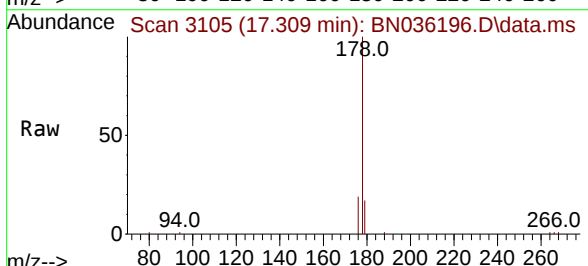
Tgt Ion:178 Resp: 9107

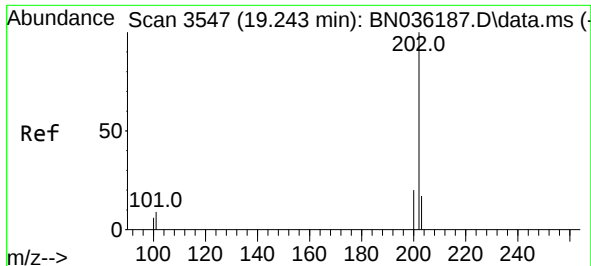
Ion Ratio Lower Upper

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179 16.7 13.0 19.4

176 19.5 15.9 23.9

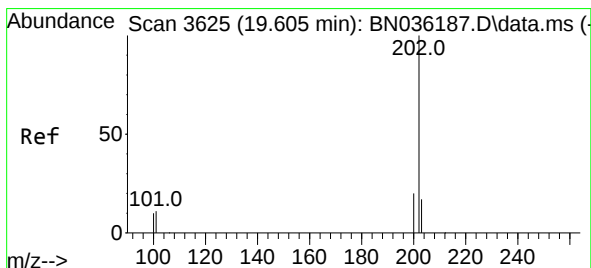
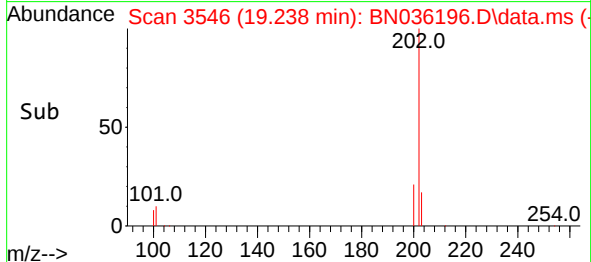
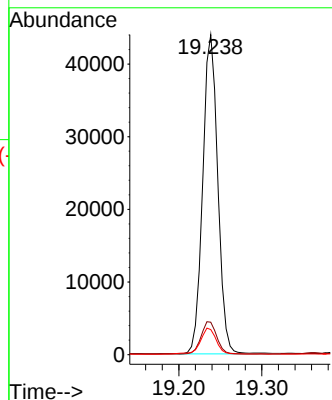
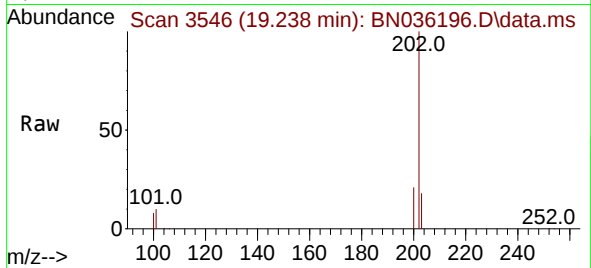




#19  
Fluoranthene  
Concen: 1.342 ng/ul  
RT: 19.238 min Scan# 3546  
Delta R.T. -0.009 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

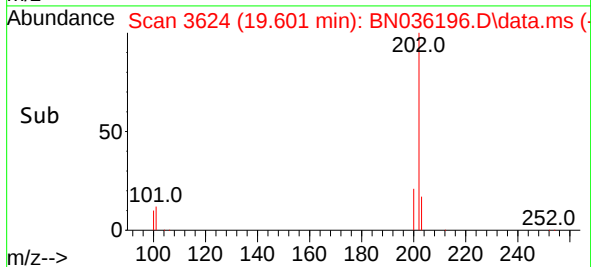
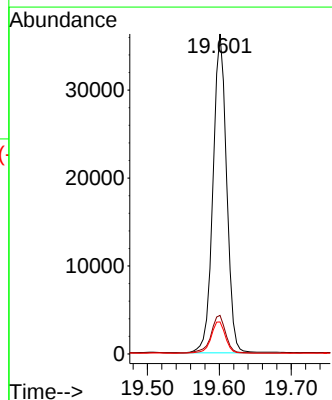
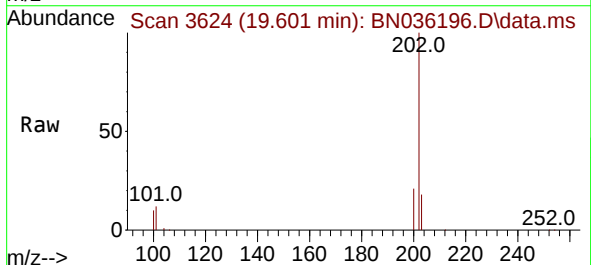
Instrument :  
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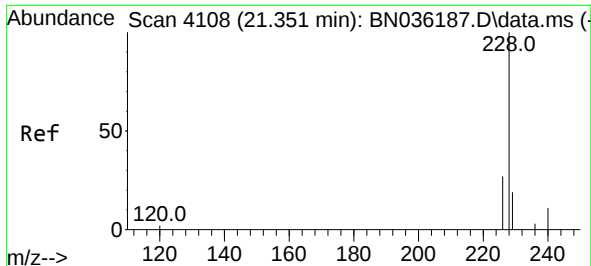
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Ion Ratio Lower Upper  
202 100  
101 10.2 8.4 12.6  
100 7.8 6.5 9.7



#20  
Pyrene  
Concen: 1.101 ng/ul  
RT: 19.601 min Scan# 3624  
Delta R.T. -0.009 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:202 Resp: 47597  
Ion Ratio Lower Upper  
202 100  
101 12.0 9.3 13.9  
100 10.0 7.5 11.3

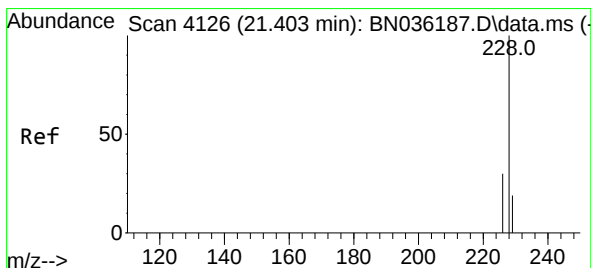
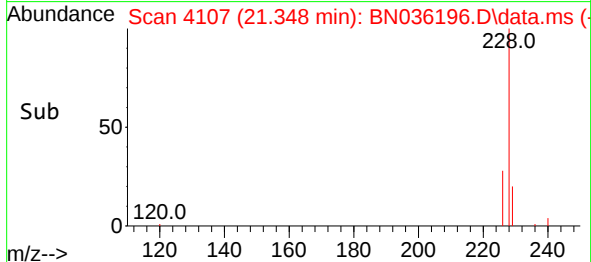
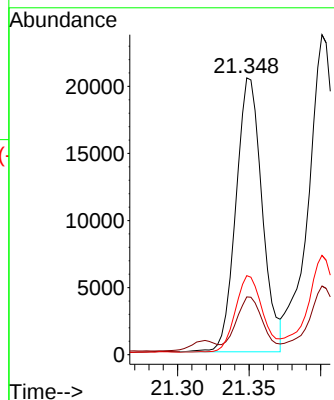
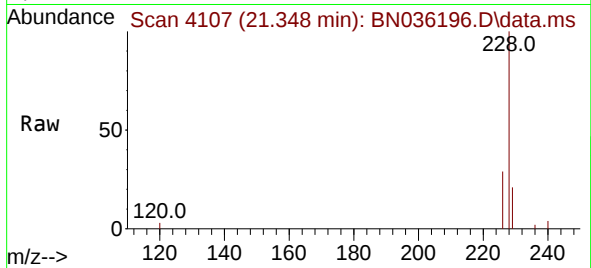




#21  
Benzo(a)anthracene  
Concen: 0.672 ng/ul  
RT: 21.348 min Scan# 4107  
Delta R.T. -0.005 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

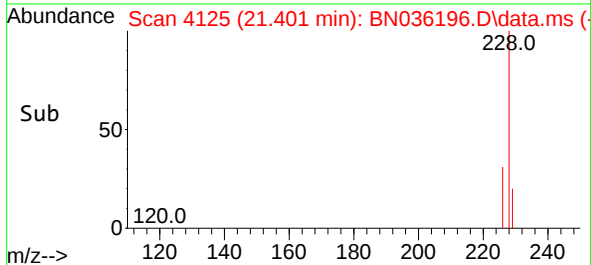
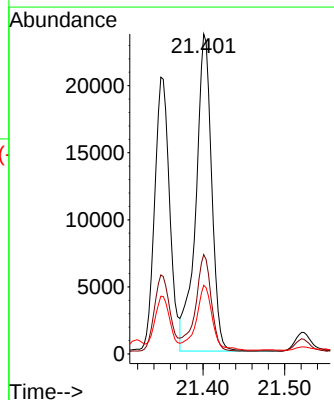
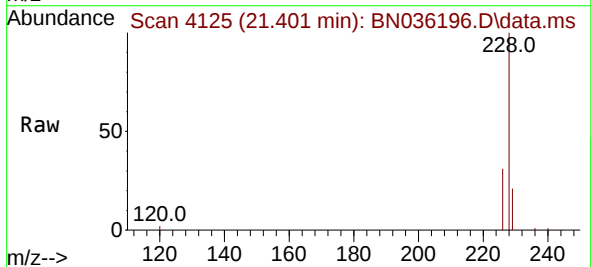
Instrument :  
BNA\_N  
ClientSampleId :  
A6305MS

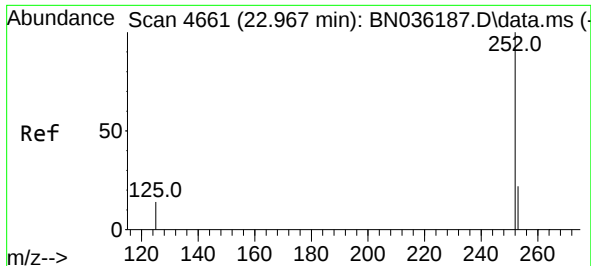
Tgt Ion:228 Resp: 26116  
Ion Ratio Lower Upper  
228 100  
229 20.9 15.9 23.9  
226 28.6 22.8 34.2



#22  
Chrysene  
Concen: 0.800 ng/ul  
RT: 21.401 min Scan# 4125  
Delta R.T. -0.005 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:228 Resp: 31774  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.4 36.6  
229 21.5 15.9 23.9

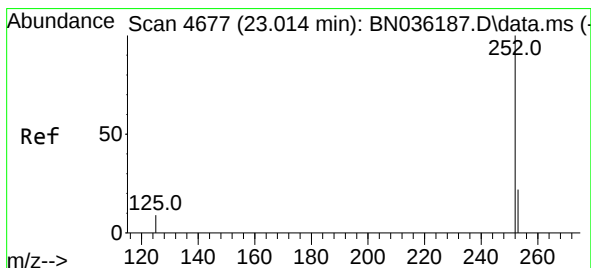
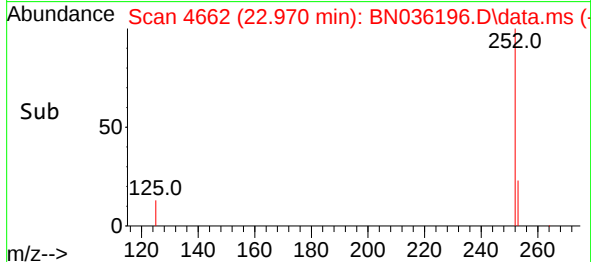
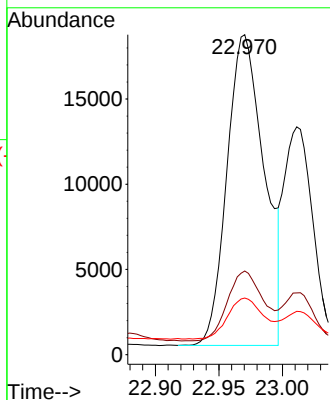
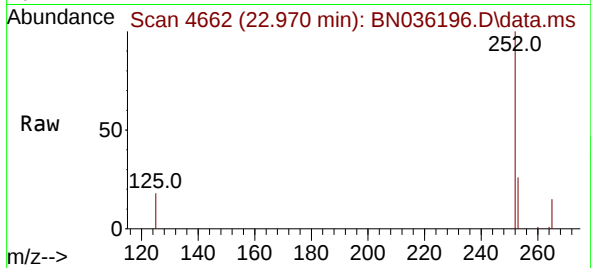




#24  
Benzo(b)fluoranthene  
Concen: 1.067 ng/ul  
RT: 22.970 min Scan# 4662  
Delta R.T. -0.002 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

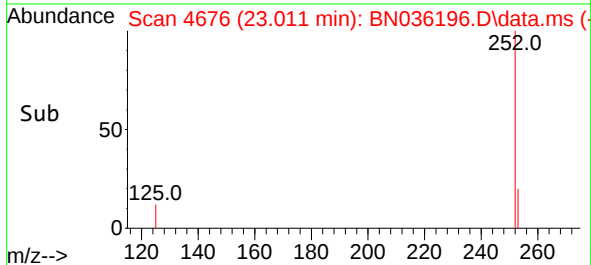
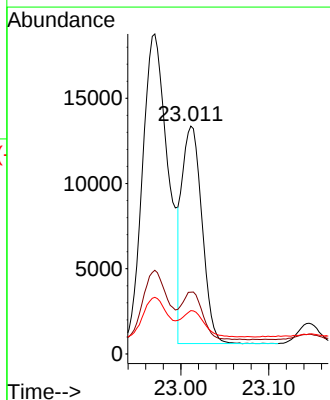
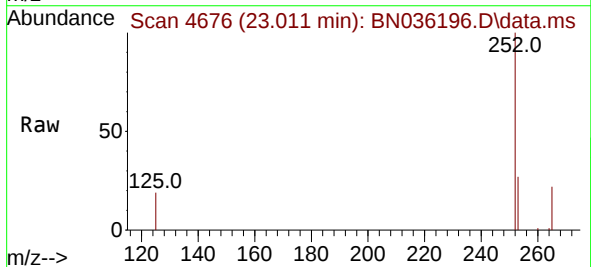
Instrument :  
BNA\_N  
ClientSampleId :  
A6305MS

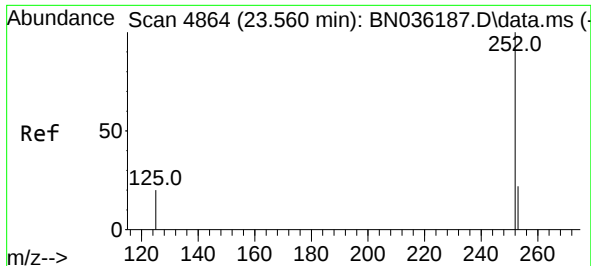
Tgt Ion:252 Resp: 37247  
Ion Ratio Lower Upper  
252 100  
253 26.1 0.0 51.2  
125 17.7 0.0 27.8



#25  
Benzo(k)fluoranthene  
Concen: 0.548 ng/ul  
RT: 23.011 min Scan# 4676  
Delta R.T. -0.008 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:252 Resp: 20101  
Ion Ratio Lower Upper  
252 100  
253 27.1 20.2 30.4  
125 19.0 10.6 16.0#

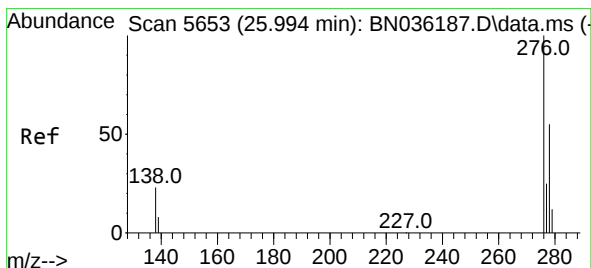
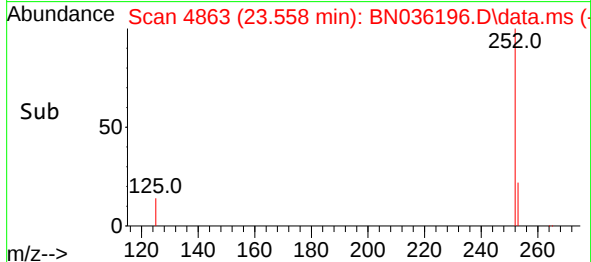
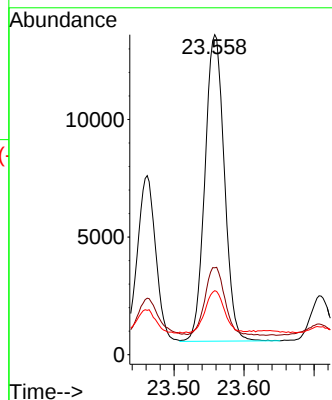
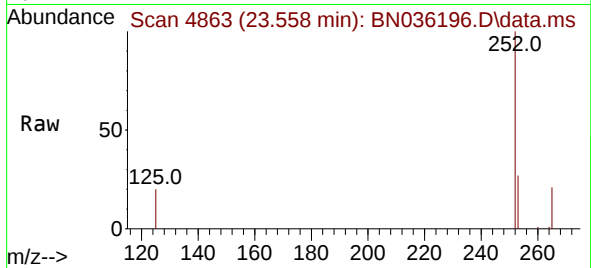




#26  
Benzo(a)pyrene  
Concen: 0.794 ng/ul  
RT: 23.558 min Scan# 4863  
Delta R.T. -0.005 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

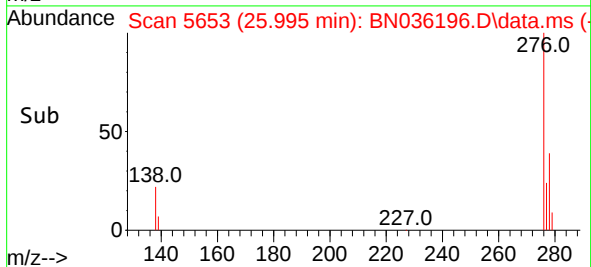
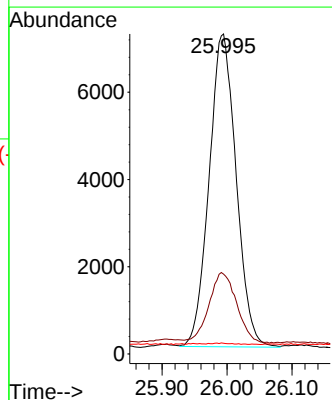
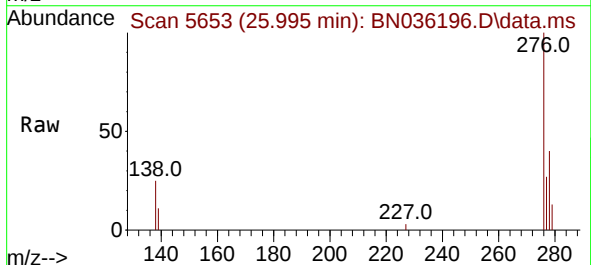
Instrument :  
BNA\_N  
ClientSampleId :  
A6305MS

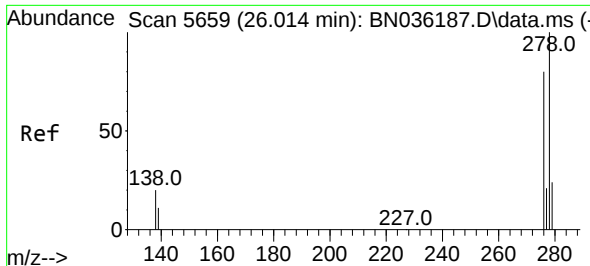
Tgt Ion:252 Resp: 25037  
Ion Ratio Lower Upper  
252 100  
253 27.1 22.2 33.4  
125 20.0 13.1 19.7#



#27  
Indeno(1,2,3-cd)pyrene  
Concen: 0.497 ng/ul  
RT: 25.995 min Scan# 5653  
Delta R.T. -0.010 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:276 Resp: 20724  
Ion Ratio Lower Upper  
276 100  
138 23.3 20.2 30.4  
227 0.1 0.1 0.1#

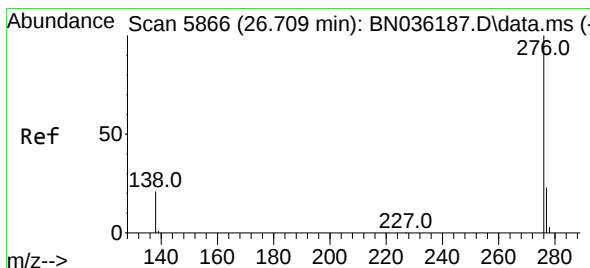
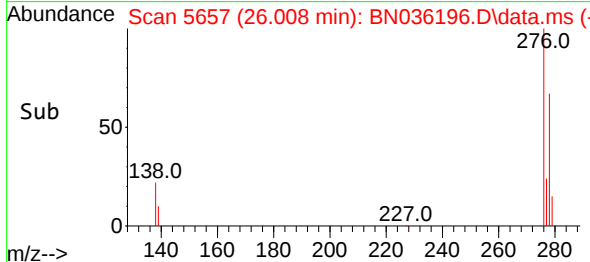
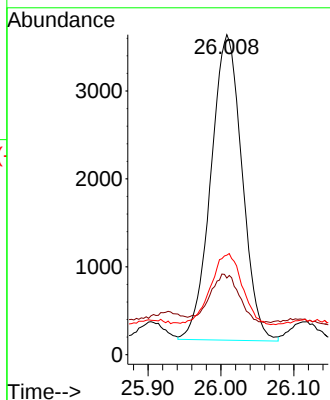
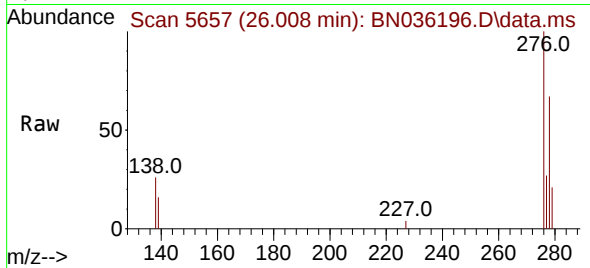




#28  
Dibenzo(a,h)anthracene  
Concen: 0.321 ng/ul  
RT: 26.008 min Scan# 5657  
Delta R.T. -0.013 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Instrument :  
BNA\_N  
ClientSampleId :  
A6305MS

Tgt Ion:278 Resp: 10316  
Ion Ratio Lower Upper  
278 100  
139 23.9 15.4 23.2#  
279 31.1 22.2 33.4



#29  
Benzo(g,h,i)perylene  
Concen: 0.552 ng/ul  
RT: 26.709 min Scan# 5866  
Delta R.T. -0.010 min  
Lab File: BN036196.D  
Acq: 01 Feb 2025 08:41

Tgt Ion:276 Resp: 17895  
Ion Ratio Lower Upper  
276 100  
138 25.2 19.4 29.0  
277 26.1 21.1 31.7

