

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122722\  
 Data File : BN023495.D  
 Acq On : 27 Dec 2022 19:28  
 Operator : CG/JU  
 Sample : PB149847BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149847BL

Quant Time: Dec 28 04:16:38 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 28 03:57:20 2022  
 Response via : Initial Calibration

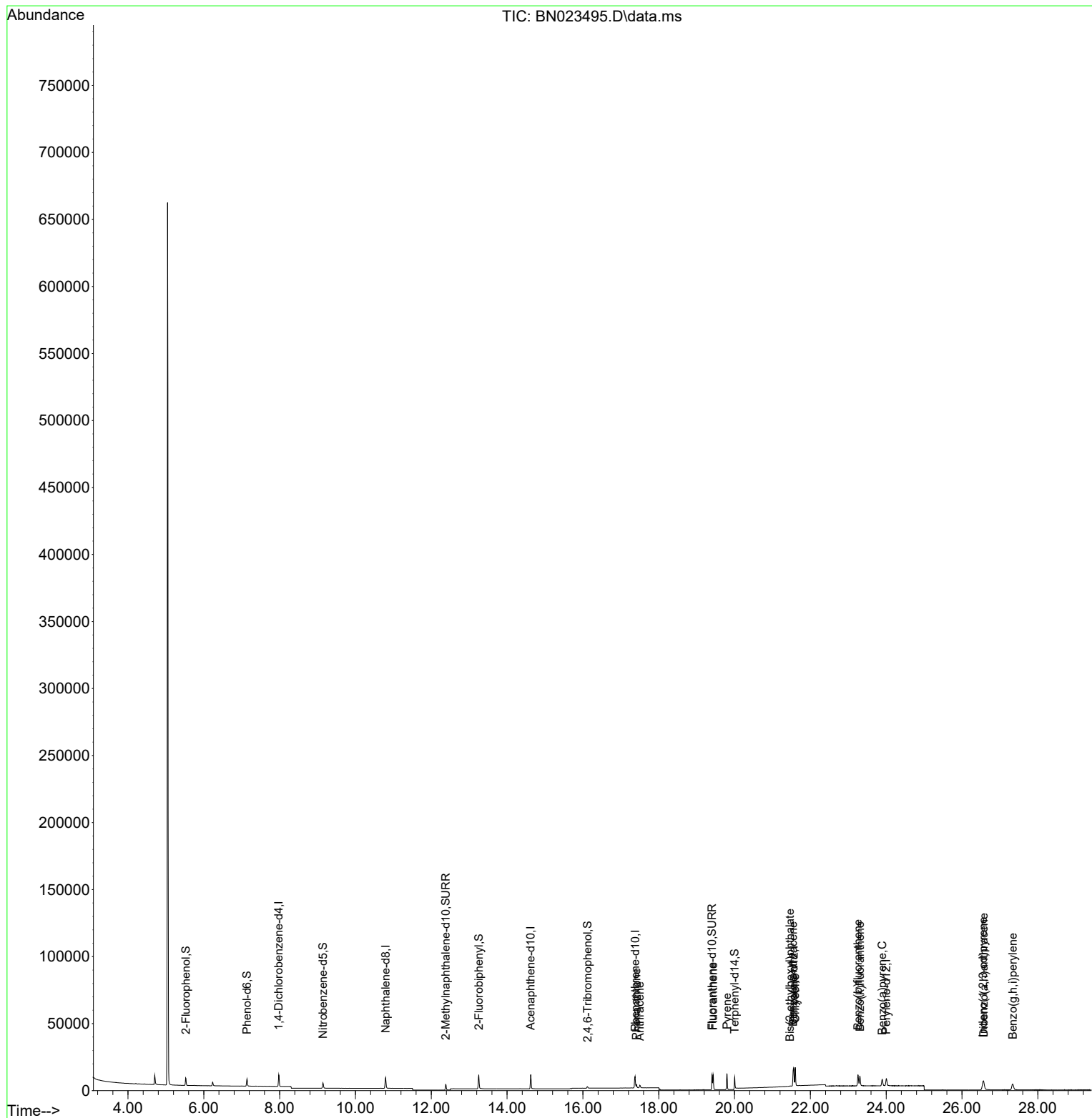
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.977  | 152  | 4101     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.797 | 136  | 11228    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.623 | 164  | 5890     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.377 | 188  | 12822    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.562 | 240  | 9441     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.004 | 264  | 7981     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.529  | 112  | 4397     | 0.484 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.139  | 99   | 5106     | 0.458 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.142  | 82   | 3412     | 0.388 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.382 | 152  | 6658     | 0.407 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.124 | 330  | 779      | 0.270 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.255 | 172  | 9668     | 0.414 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.405 | 212  | 12106    | 0.386 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.000 | 244  | 10486    | 0.476 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 25) Phenanthrene              | 17.414 | 178  | 2287     | 0.063 | ng    | 97       |
| 26) Anthracene                | 17.501 | 178  | 2287     | 0.075 | ng    | 97       |
| 28) Fluoranthene              | 19.435 | 202  | 9989     | 0.243 | ng    | 99       |
| 30) Pyrene                    | 19.802 | 202  | 10765    | 0.305 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.544 | 228  | 8986     | 0.286 | ng    | 98       |
| 33) Chrysene                  | 21.598 | 228  | 11980    | 0.371 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.464 | 149  | 526      | 0.027 | ng    | # 84     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.553 | 276  | 10209    | 0.343 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.255 | 252  | 10857    | 0.354 | ng    | 96       |
| 38) Benzo(k)fluoranthene      | 23.308 | 252  | 9997     | 0.332 | ng    | # 95     |
| 39) Benzo(a)pyrene            | 23.892 | 252  | 7709     | 0.329 | ng    | # 91     |
| 40) Dibenzo(a,h)anthracene    | 26.573 | 278  | 7740     | 0.341 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 27.337 | 276  | 10286    | 0.392 | ng    | 97       |

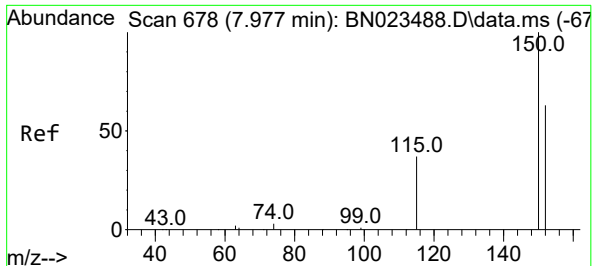
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122722\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration

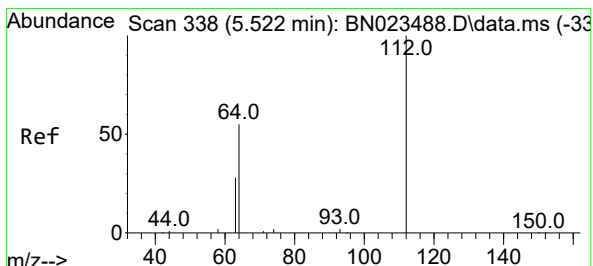
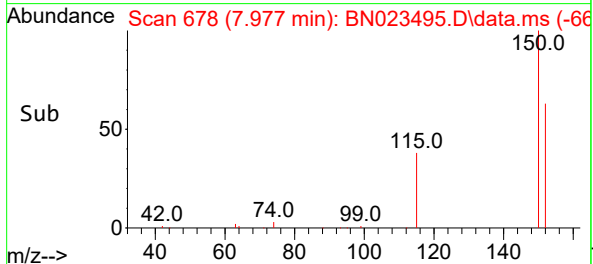
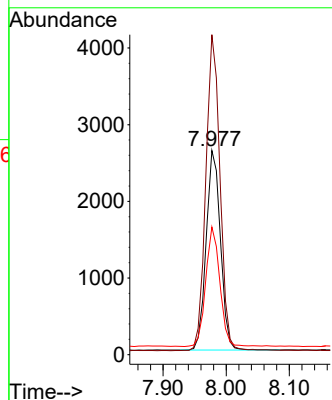
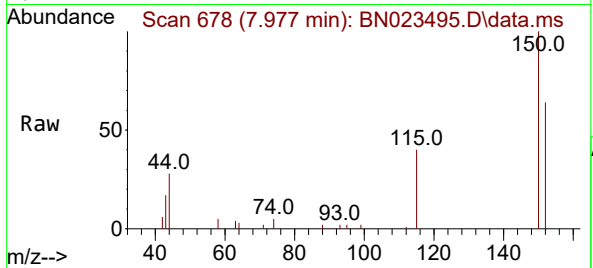




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.977 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: BN023495.D  
 Acq: 27 Dec 2022 19:28

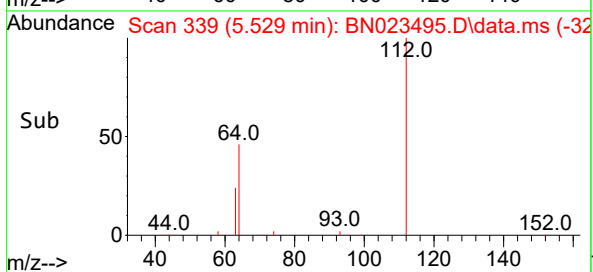
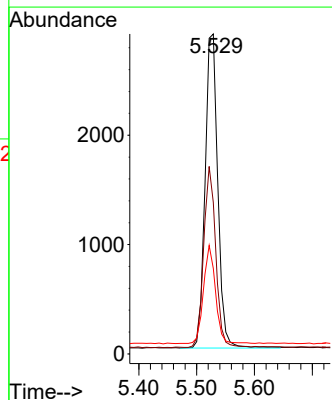
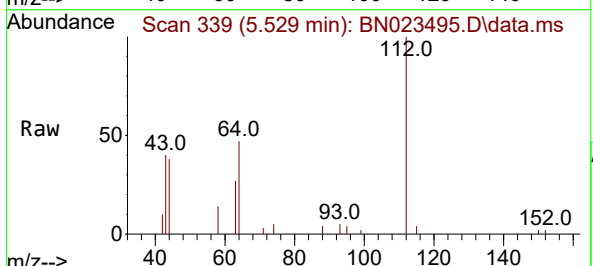
Instrument :  
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 ClientSampleId :  
 PB149847BL

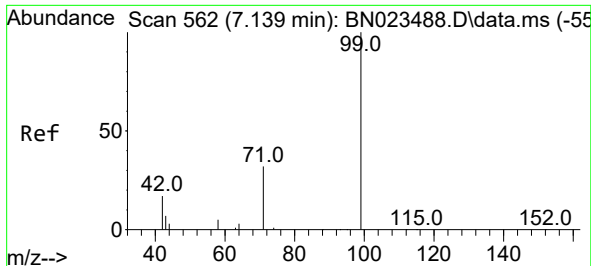
Tgt Ion:152 Resp: 4101  
 Ion Ratio Lower Upper  
 152 100  
 150 156.7 125.0 187.6  
 115 62.6 48.8 73.2



#4  
 2-Fluorophenol  
 Concen: 0.484 ng  
 RT: 5.529 min Scan# 339  
 Delta R.T. 0.007 min  
 Lab File: BN023495.D  
 Acq: 27 Dec 2022 19:28

Tgt Ion:112 Resp: 4397  
 Ion Ratio Lower Upper  
 112 100  
 64 54.6 44.3 66.5  
 63 29.4 23.8 35.6

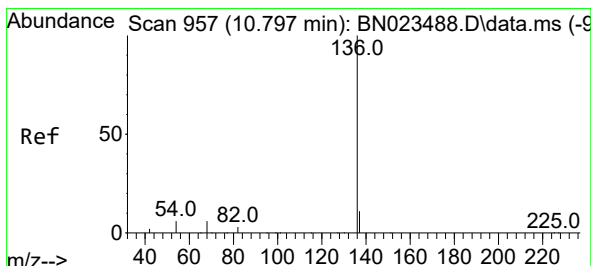
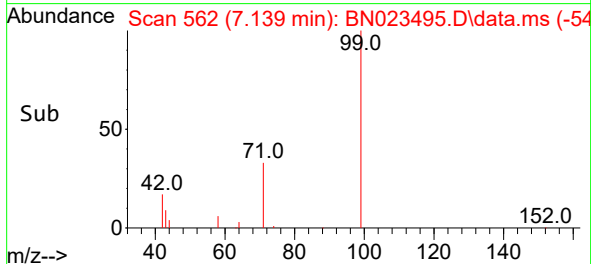
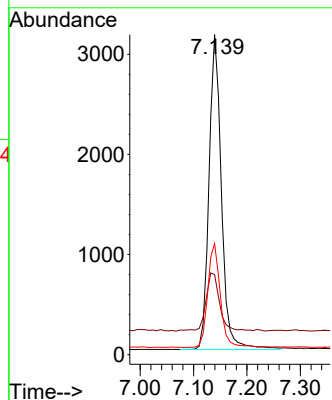
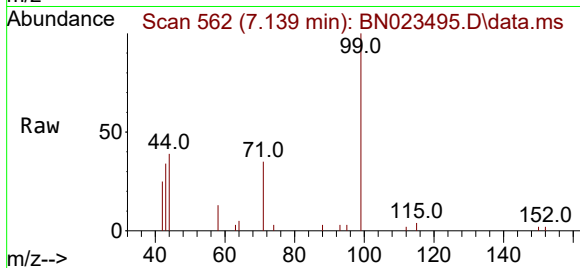




#5  
Phenol-d6  
Concen: 0.458 ng  
RT: 7.139 min Scan# 562  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

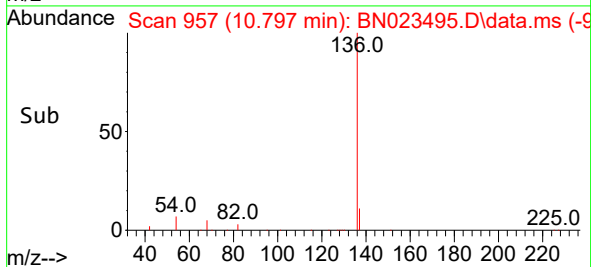
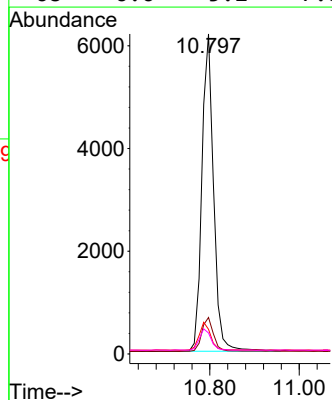
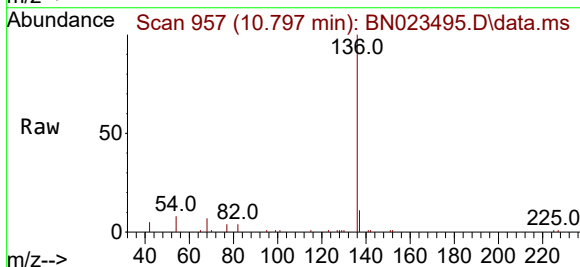
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ClientSampleId :  
PB149847BL

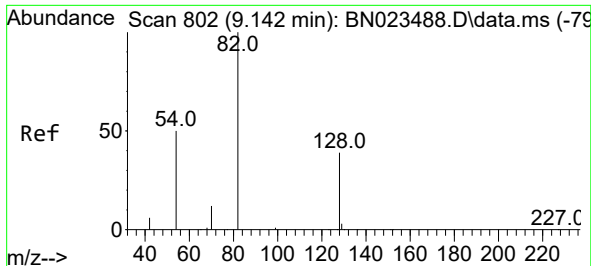
Tgt Ion: 99 Resp: 5106  
Ion Ratio Lower Upper  
99 100  
42 19.9 16.8 25.2  
71 33.7 27.0 40.4



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.797 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Tgt Ion: 136 Resp: 11228  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.0 13.4  
54 7.7 5.8 8.8  
68 6.6 5.2 7.8

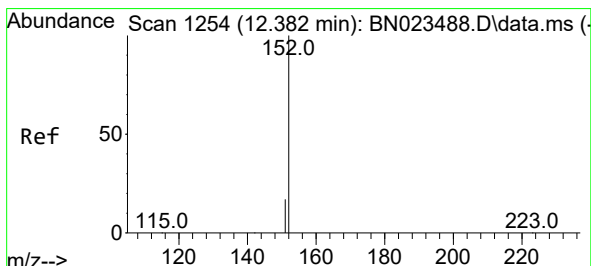
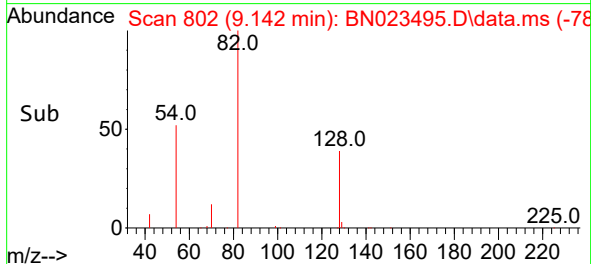
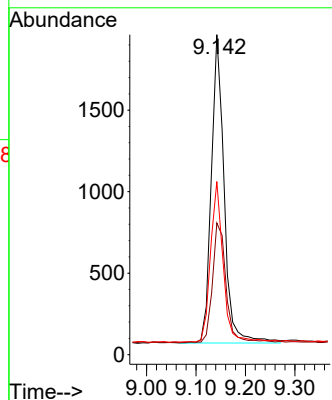
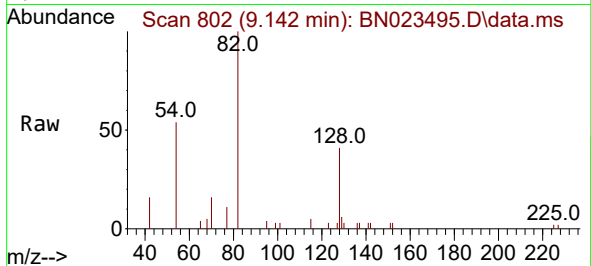




#8  
Nitrobenzene-d5  
Concen: 0.388 ng  
RT: 9.142 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

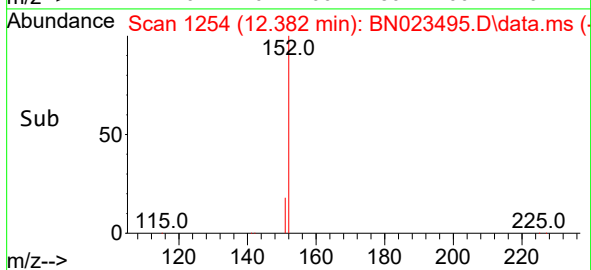
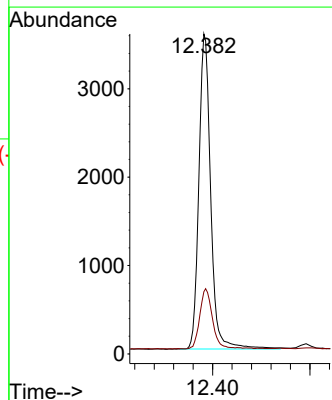
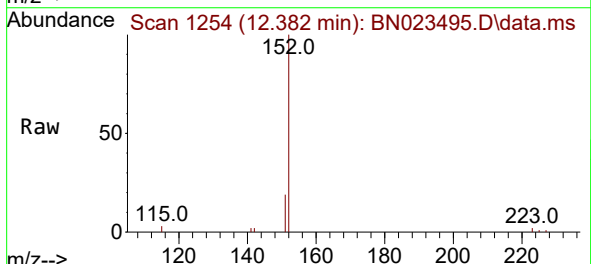
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ClientSampleId :  
PB149847BL

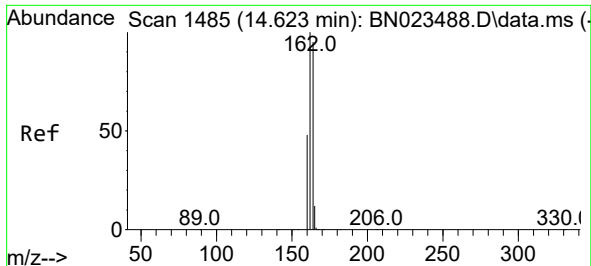
Tgt Ion: 82 Resp: 3412  
Ion Ratio Lower Upper  
82 100  
128 41.2 32.6 49.0  
54 54.1 41.4 62.0



#11  
2-Methylnaphthalene-d10  
Concen: 0.407 ng  
RT: 12.382 min Scan# 1254  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Tgt Ion: 152 Resp: 6658  
Ion Ratio Lower Upper  
152 100  
151 18.3 14.8 22.2

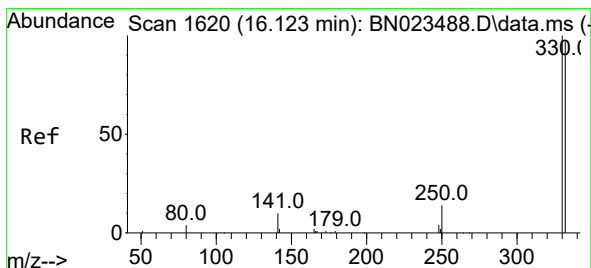
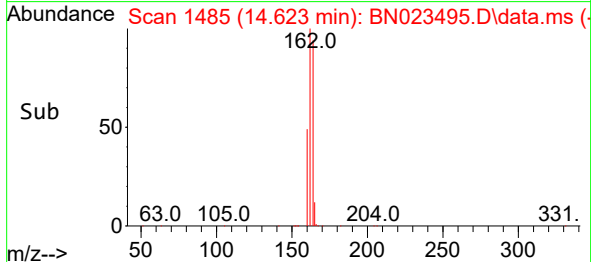
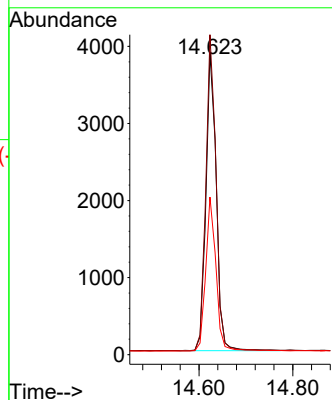
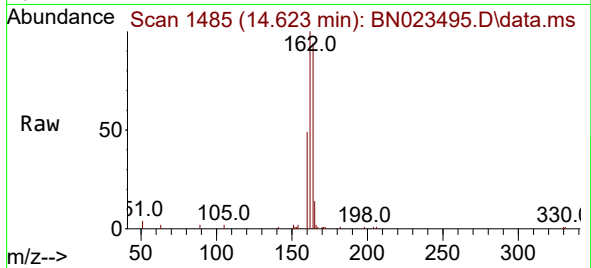




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.623 min Scan# 1485  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

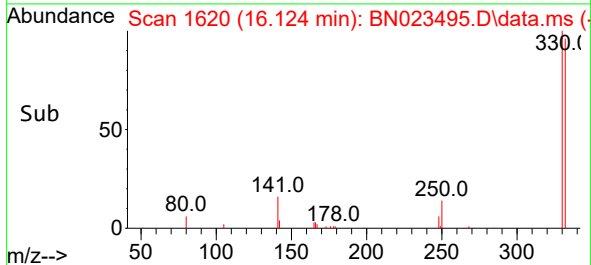
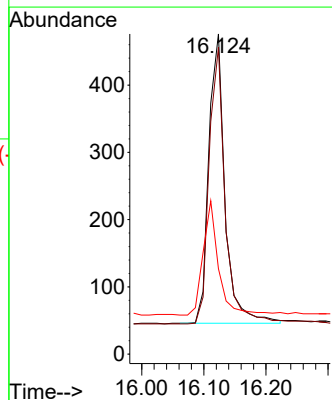
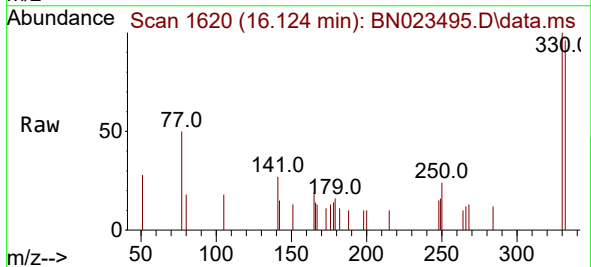
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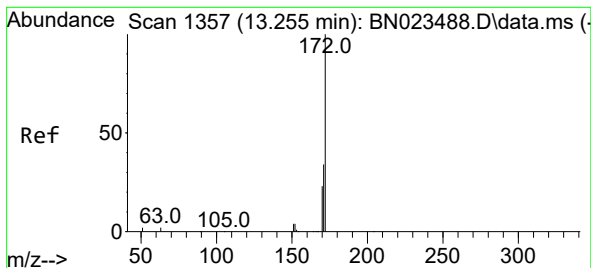
Tgt Ion:164 Resp: 5890  
Ion Ratio Lower Upper  
164 100  
162 105.9 83.9 125.9  
160 52.2 40.9 61.3



#14  
2,4,6-Tribromophenol  
Concen: 0.270 ng  
RT: 16.124 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Tgt Ion:330 Resp: 779  
Ion Ratio Lower Upper  
330 100  
332 94.7 76.7 115.1  
141 38.0 29.8 44.6





#15

2-Fluorobiphenyl

Concen: 0.414 ng

RT: 13.255 min Scan# 1357

Delta R.T. 0.000 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

Instrument :

BNA\_N

ClientSampleId :

PB149847BL

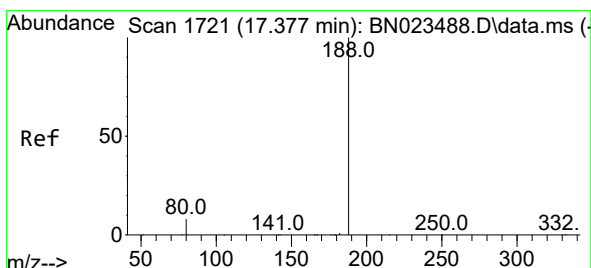
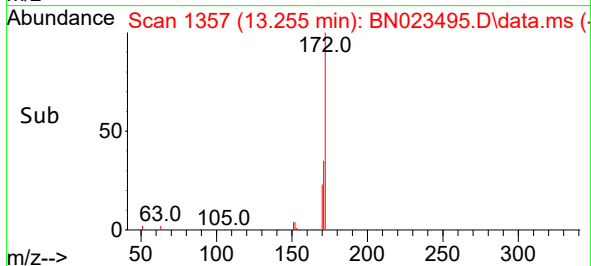
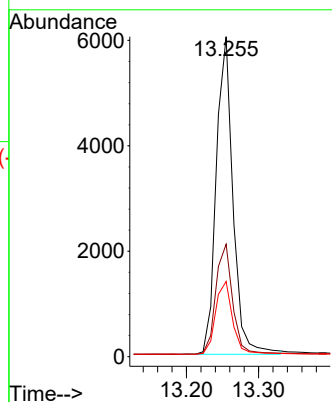
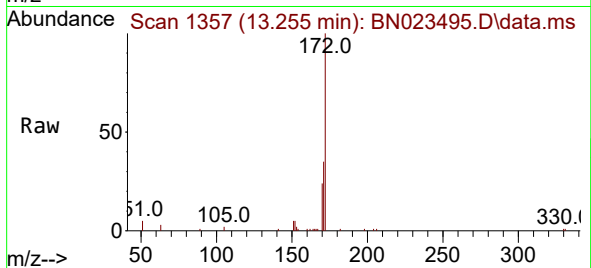
Tgt Ion:172 Resp: 9668

Ion Ratio Lower Upper

172 100

171 35.2 27.6 41.4

170 23.5 18.7 28.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.377 min Scan# 1721

Delta R.T. 0.000 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

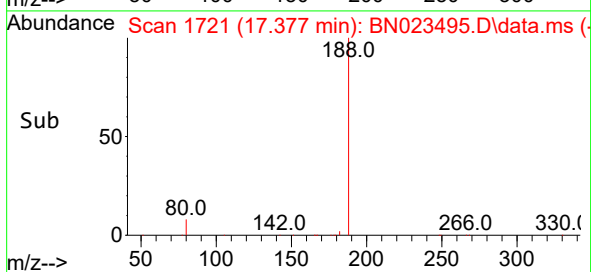
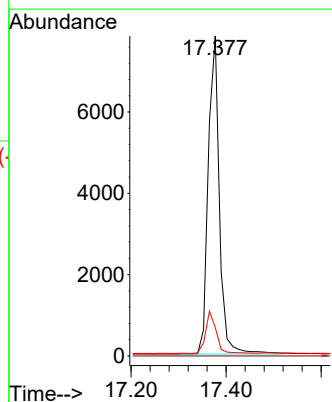
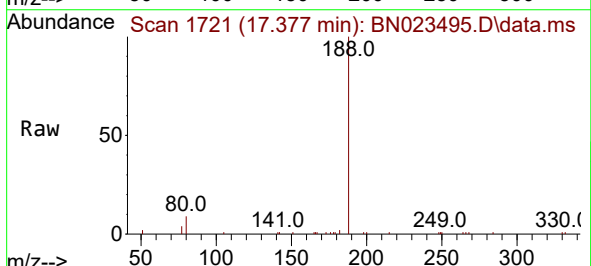
Tgt Ion:188 Resp: 12822

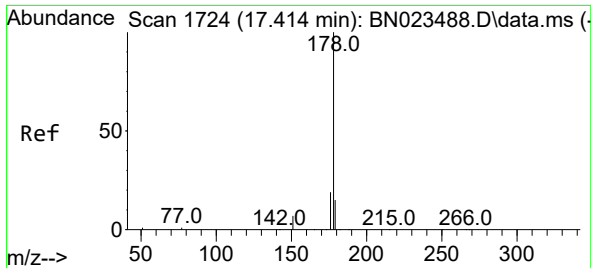
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.9 6.7 10.1

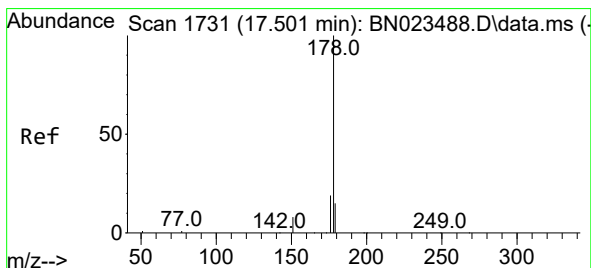
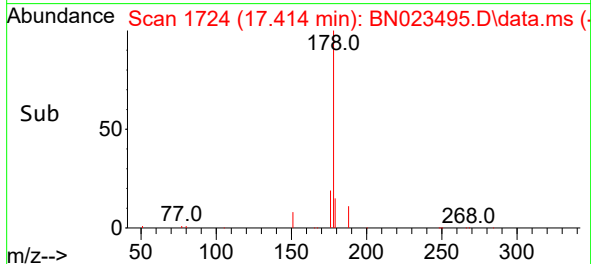
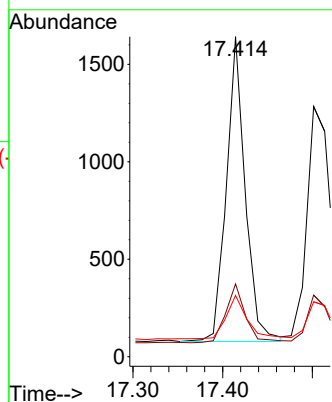
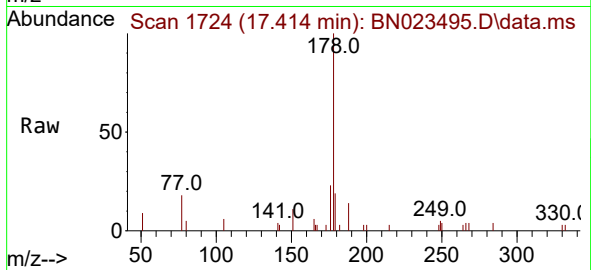




#25  
Phenanthrene  
Concen: 0.063 ng  
RT: 17.414 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

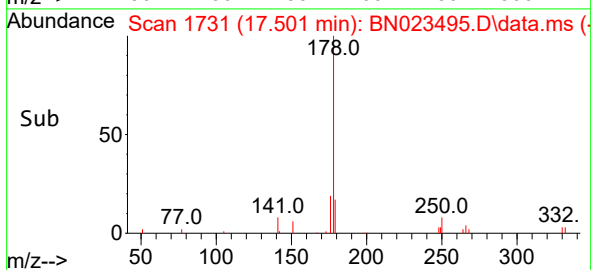
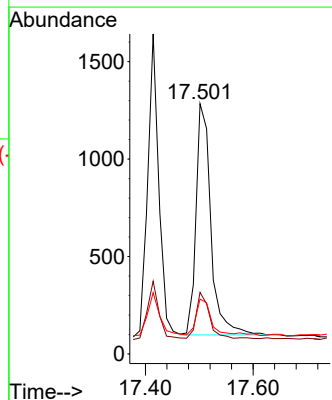
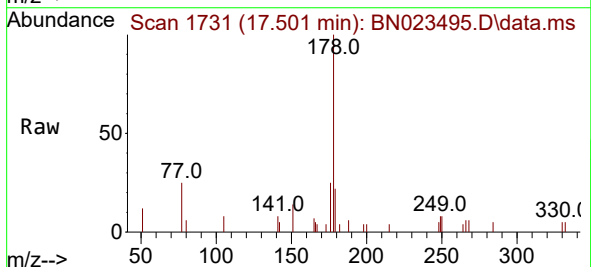
Instrument :  
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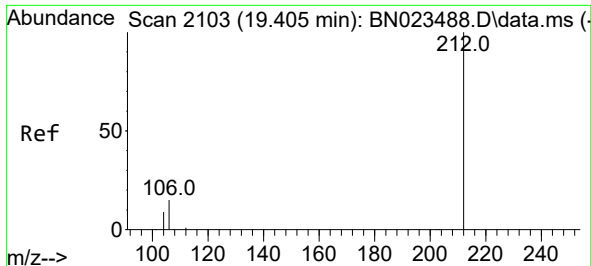
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Ion Ratio Lower Upper  
178 100  
176 20.1 15.7 23.5  
179 17.8 12.2 18.4



#26  
Anthracene  
Concen: 0.075 ng  
RT: 17.501 min Scan# 1731  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Tgt Ion:178 Resp: 2287  
Ion Ratio Lower Upper  
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176 17.8 15.0 22.6  
179 16.6 12.3 18.5

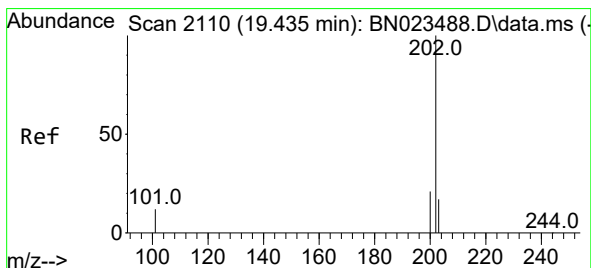
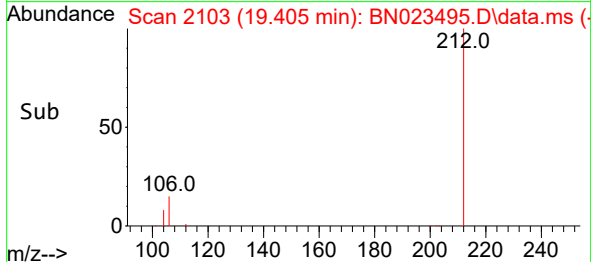
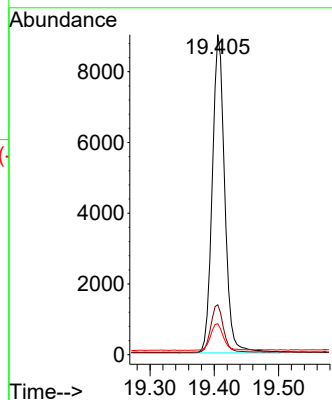
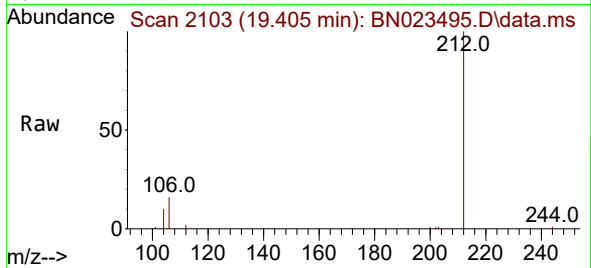




#27  
Fluoranthene-d10  
Concen: 0.386 ng  
RT: 19.405 min Scan# 2103  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

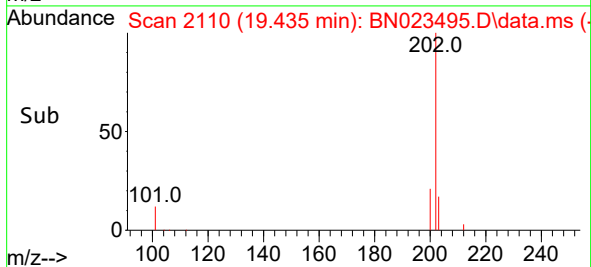
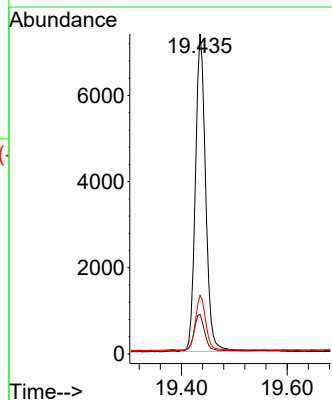
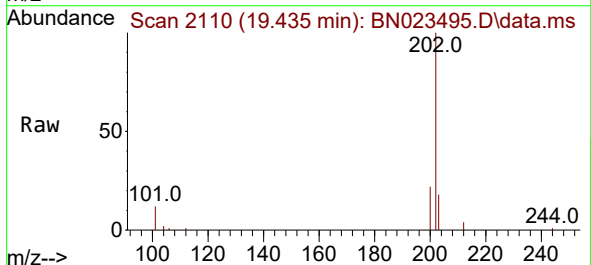
Instrument :  
BNA\_N  
ClientSampleId :  
PB149847BL

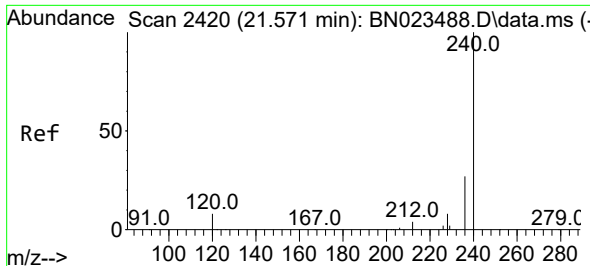
Tgt Ion:212 Resp: 12106  
Ion Ratio Lower Upper  
212 100  
106 15.2 12.3 18.5  
104 8.7 6.8 10.2



#28  
Fluoranthene  
Concen: 0.243 ng  
RT: 19.435 min Scan# 2110  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Tgt Ion:202 Resp: 9989  
Ion Ratio Lower Upper  
202 100  
101 12.2 9.6 14.4  
203 17.0 13.8 20.8

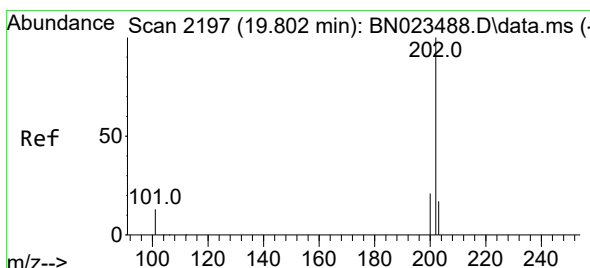
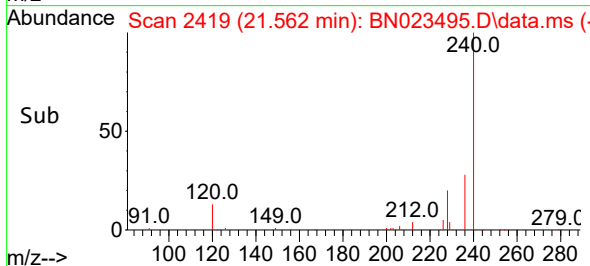
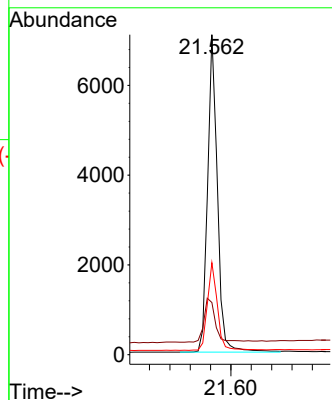
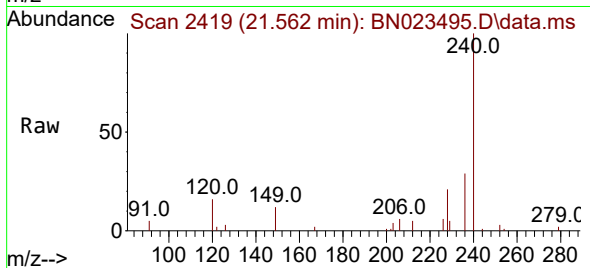




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.562 min Scan# 2420  
Delta R.T. -0.009 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

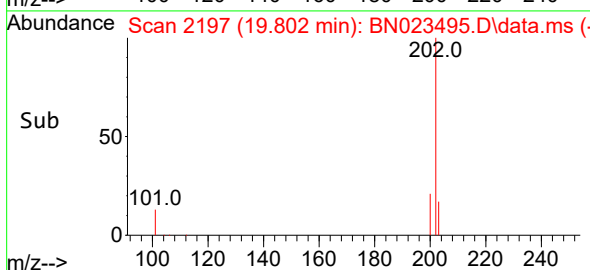
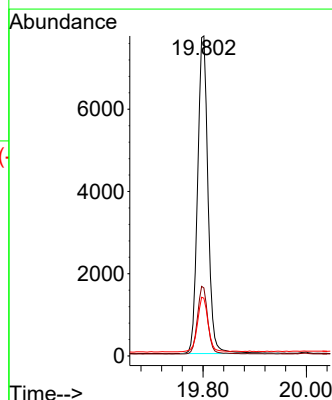
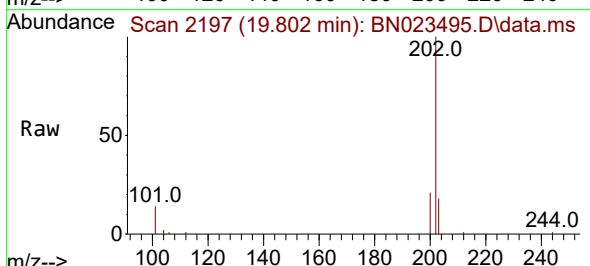
Instrument :  
BNA\_N  
ClientSampleId :  
PB149847BL

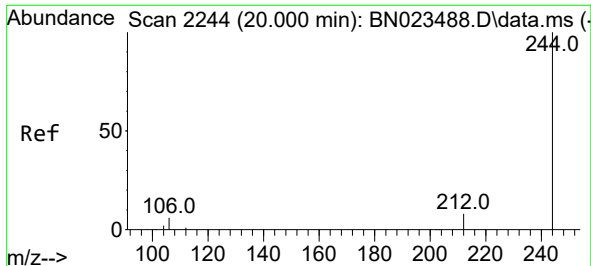
Tgt Ion:240 Resp: 9441  
Ion Ratio Lower Upper  
240 100  
120 16.3 8.9 13.3#  
236 28.8 22.5 33.7



#30  
Pyrene  
Concen: 0.305 ng  
RT: 19.802 min Scan# 2197  
Delta R.T. 0.000 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Tgt Ion:202 Resp: 10765  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.0 25.4  
203 17.6 14.4 21.6

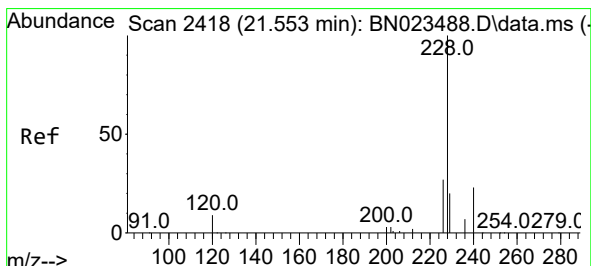
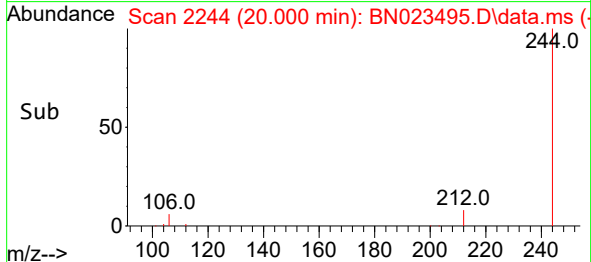
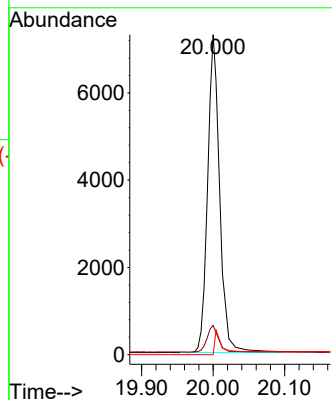
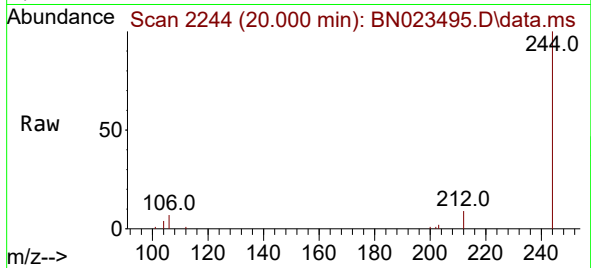




#31  
 Terphenyl-d14  
 Concen: 0.476 ng  
 RT: 20.000 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BN023495.D  
 Acq: 27 Dec 2022 19:28

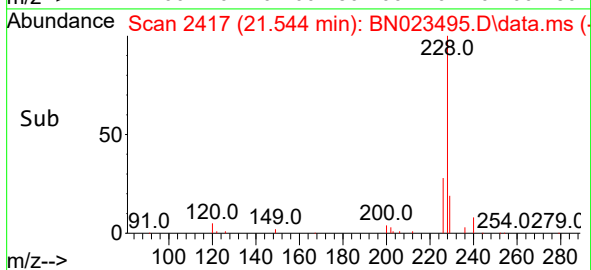
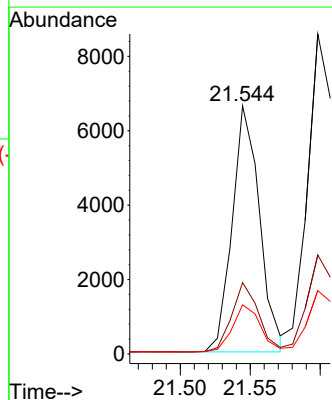
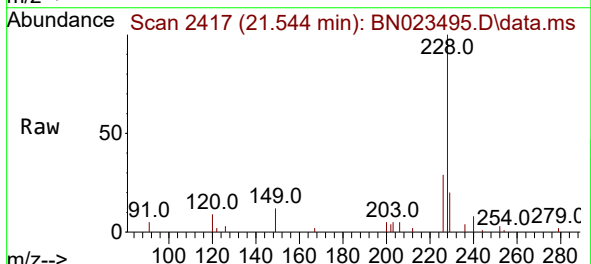
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149847BL

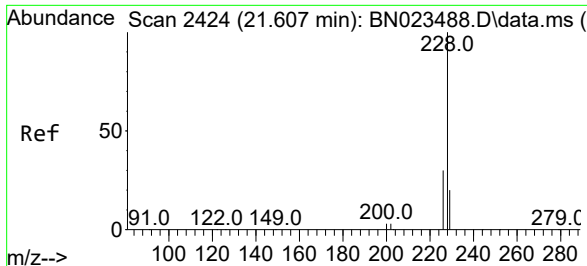
Tgt Ion:244 Resp: 10486  
 Ion Ratio Lower Upper  
 244 100  
 212 9.2 7.4 11.0  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 0.286 ng  
 RT: 21.544 min Scan# 2417  
 Delta R.T. -0.009 min  
 Lab File: BN023495.D  
 Acq: 27 Dec 2022 19:28

Tgt Ion:228 Resp: 8986  
 Ion Ratio Lower Upper  
 228 100  
 226 28.8 21.8 32.8  
 229 19.8 16.0 24.0





#33

Chrysene

Concen: 0.371 ng

RT: 21.598 min Scan# 2423

Delta R.T. -0.009 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

Instrument :

BNA\_N

ClientSampleId :

PB149847BL

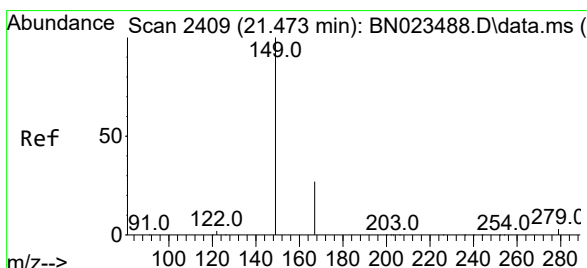
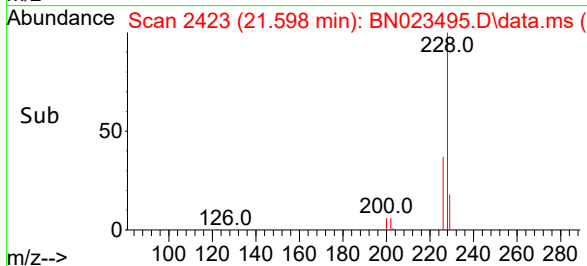
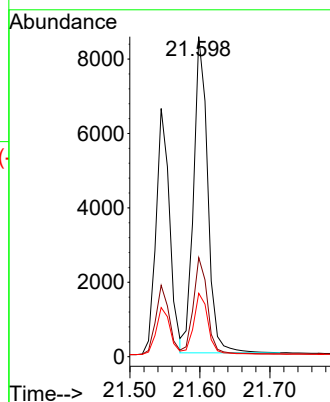
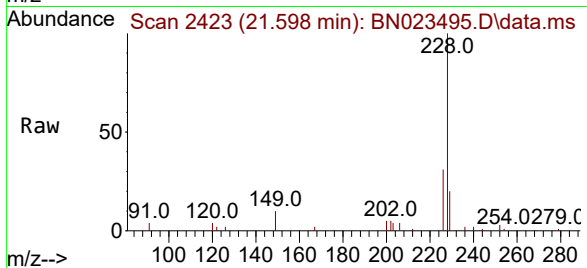
Tgt Ion:228 Resp: 11980

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

229 19.8 16.0 24.0



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.027 ng

RT: 21.464 min Scan# 2408

Delta R.T. -0.009 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

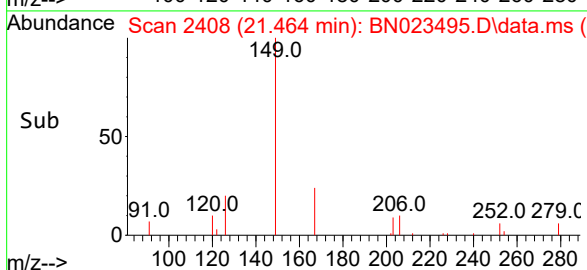
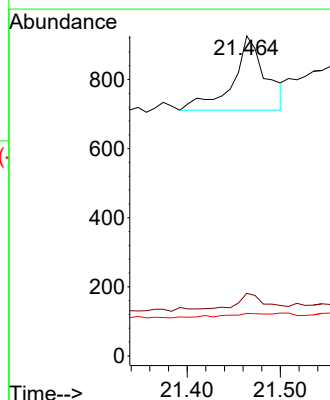
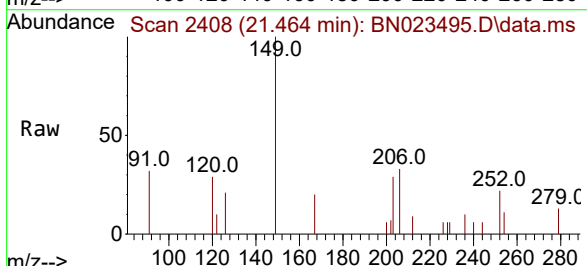
Tgt Ion:149 Resp: 526

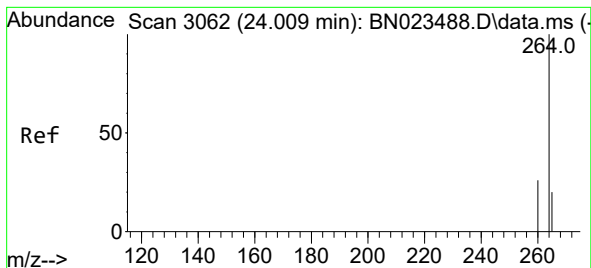
Ion Ratio Lower Upper

149 100

167 18.3 21.0 31.6#

279 7.8 2.2 3.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.004 min Scan# 3060

Delta R.T. -0.006 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

Instrument :

BNA\_N

ClientSampleId :

PB149847BL

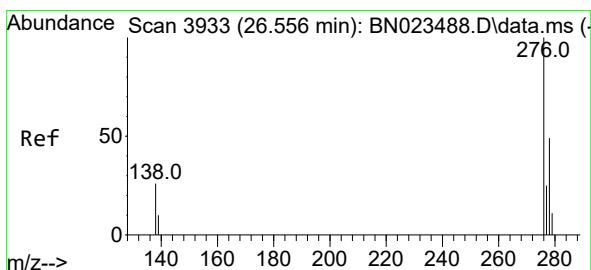
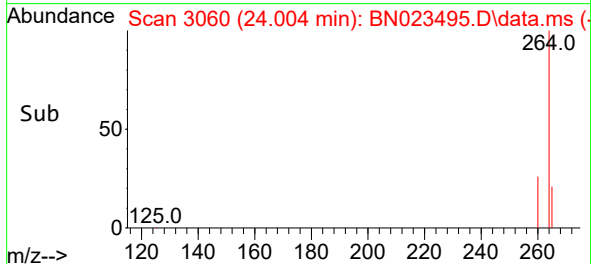
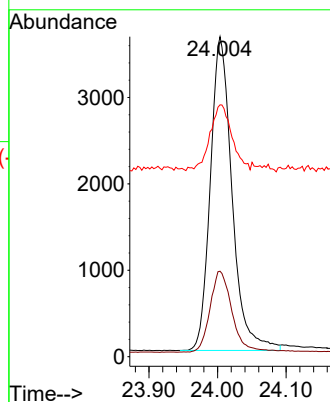
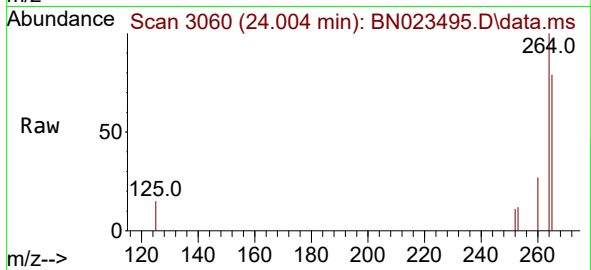
Tgt Ion:264 Resp: 7981

Ion Ratio Lower Upper

264 100

260 26.7 21.1 31.7

265 78.7 48.9 73.3#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.343 ng

RT: 26.553 min Scan# 3932

Delta R.T. -0.003 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

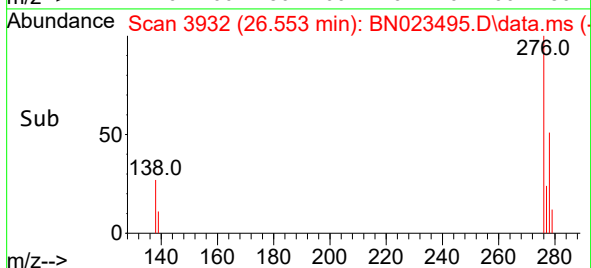
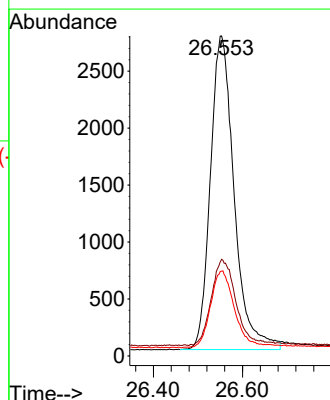
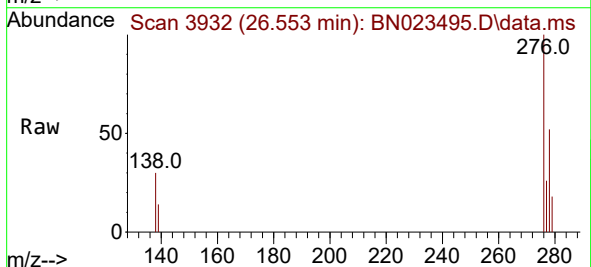
Tgt Ion:276 Resp: 10209

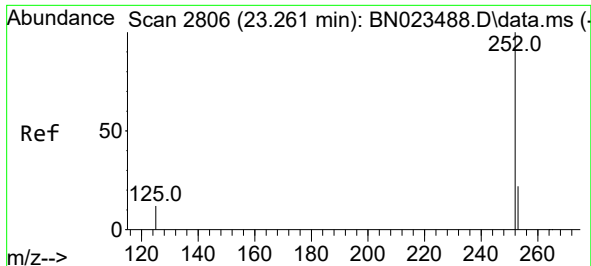
Ion Ratio Lower Upper

276 100

138 27.9 23.0 34.6

277 24.2 19.5 29.3





#37

Benzo(b)fluoranthene

Concen: 0.354 ng

RT: 23.255 min Scan# 2804

Delta R.T. -0.006 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

Instrument :

BNA\_N

ClientSampleId :

PB149847BL

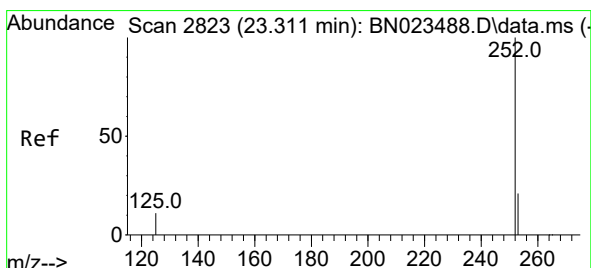
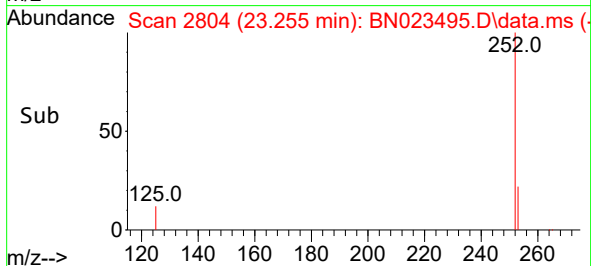
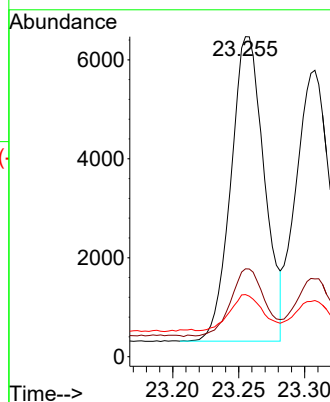
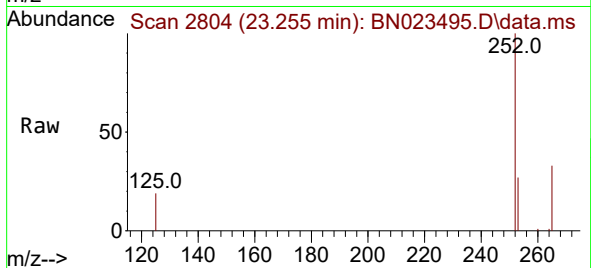
Tgt Ion:252 Resp: 10857

Ion Ratio Lower Upper

252 100

253 27.4 20.7 31.1

125 19.4 13.4 20.2



#38

Benzo(k)fluoranthene

Concen: 0.332 ng

RT: 23.308 min Scan# 2822

Delta R.T. -0.003 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

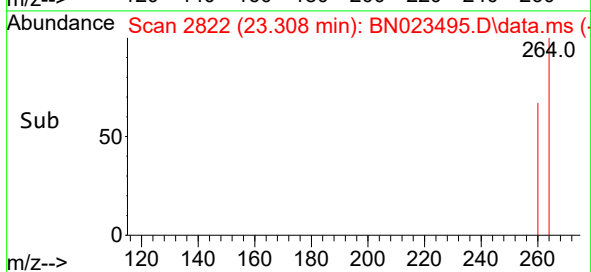
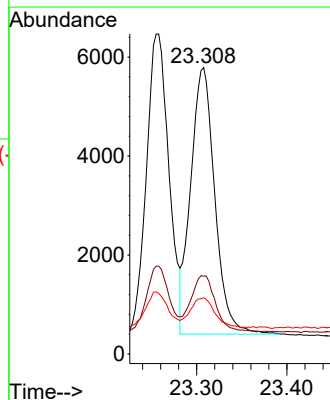
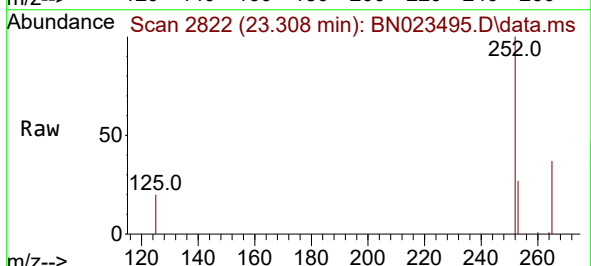
Tgt Ion:252 Resp: 9997

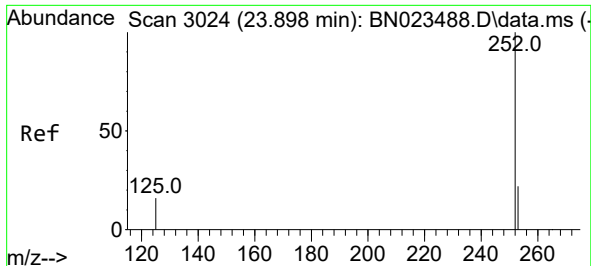
Ion Ratio Lower Upper

252 100

253 27.2 20.2 30.4

125 19.6 13.0 19.6#





#39

Benzo(a)pyrene

Concen: 0.329 ng

RT: 23.892 min Scan# 30

Delta R.T. -0.006 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

Instrument :

BNA\_N

ClientSampleId :

PB149847BL

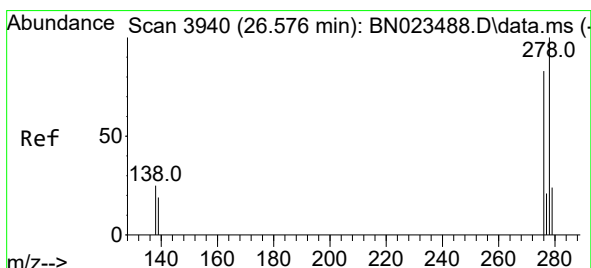
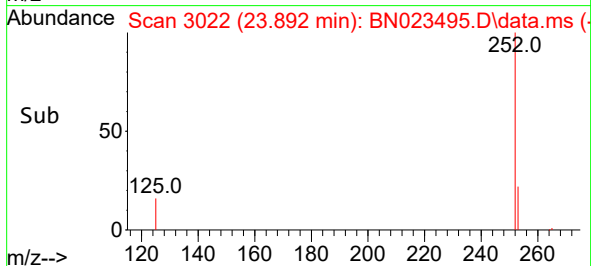
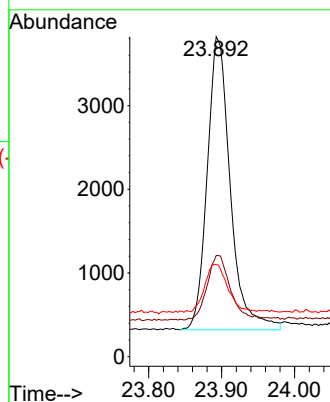
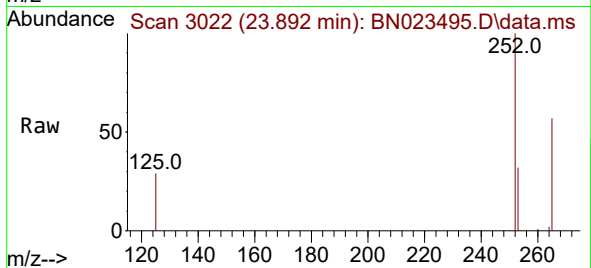
Tgt Ion:252 Resp: 7709

Ion Ratio Lower Upper

252 100

253 31.6 22.3 33.5

125 28.7 18.7 28.1#



#40

Dibenzo(a,h)anthracene

Concen: 0.341 ng

RT: 26.573 min Scan# 3939

Delta R.T. -0.003 min

Lab File: BN023495.D

Acq: 27 Dec 2022 19:28

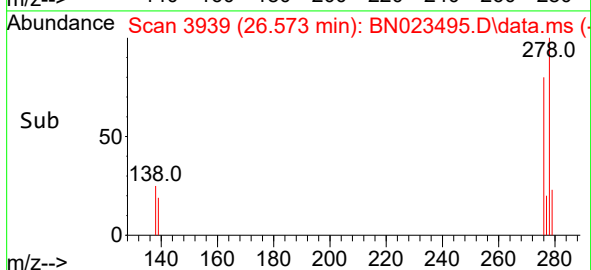
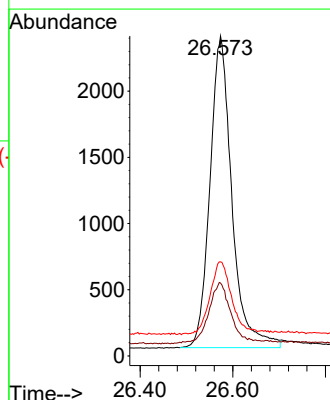
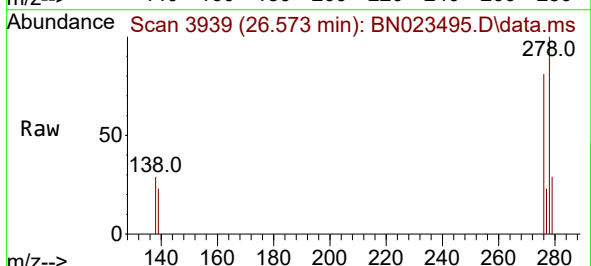
Tgt Ion:278 Resp: 7740

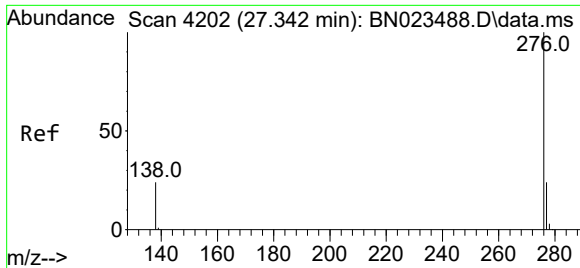
Ion Ratio Lower Upper

278 100

139 22.8 17.7 26.5

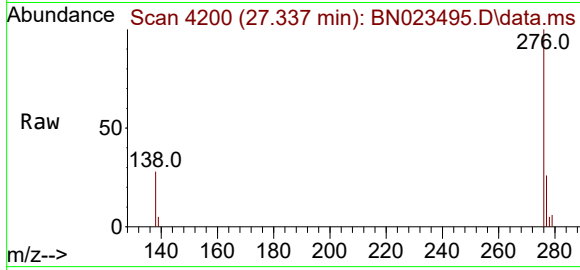
279 29.4 22.2 33.2





#41  
Benzo(g,h,i)perylene  
Concen: 0.392 ng  
RT: 27.337 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN023495.D  
Acq: 27 Dec 2022 19:28

Instrument :  
BNA\_N  
ClientSampleId :  
PB149847BL



Tgt Ion:276 Resp: 10286  
Ion Ratio Lower Upper  
276 100  
277 25.7 20.0 30.0  
138 28.1 20.6 31.0

