

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122322\  
 Data File : BN023372.D  
 Acq On : 23 Dec 2022 14:07  
 Operator : CG/JU  
 Sample : N6164-01  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GWOW-BR-04-147-166-122022

Quant Time: Dec 23 16:39:49 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 23 16:36:53 2022  
 Response via : Initial Calibration

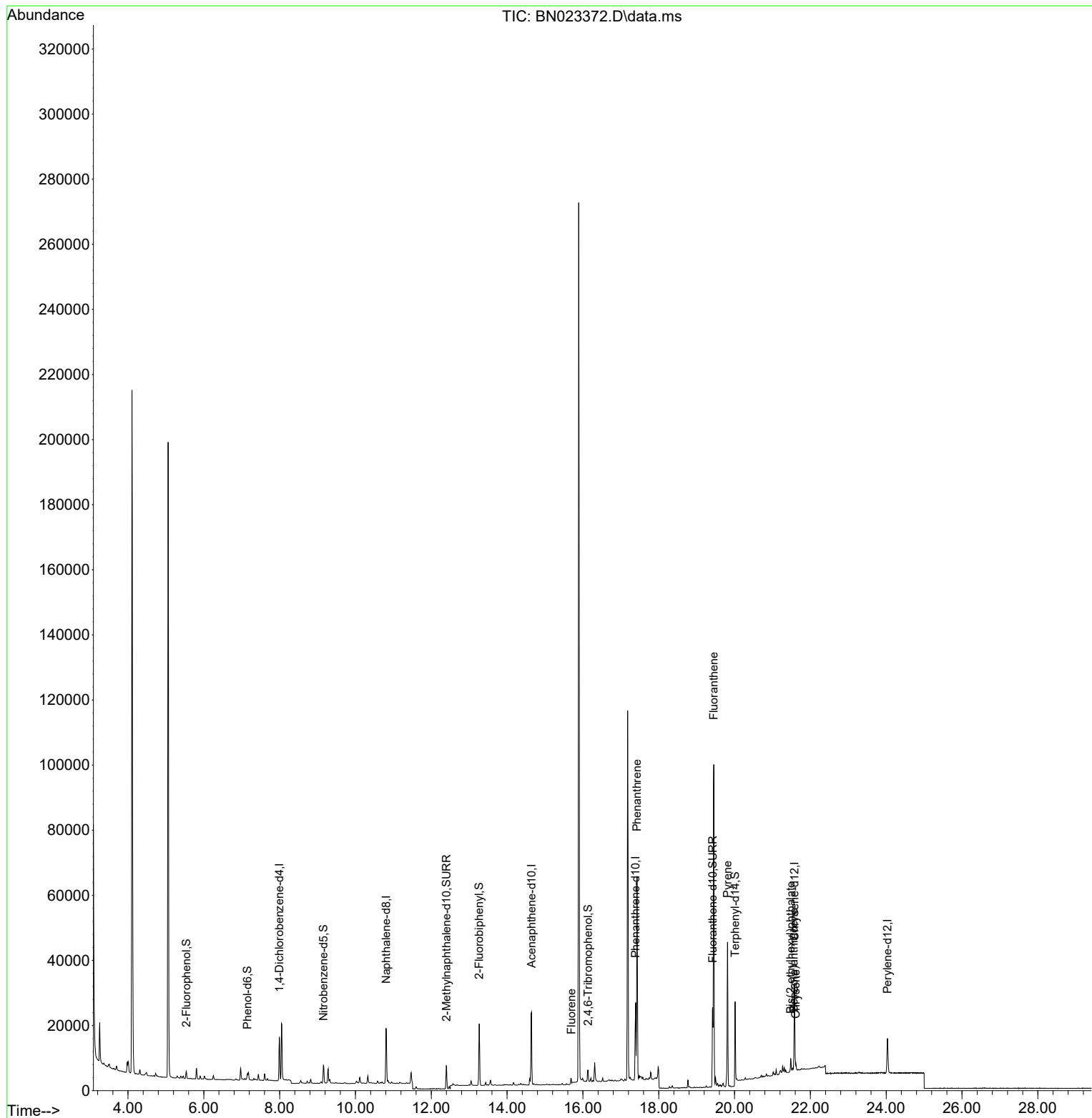
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.992  | 152  | 6554     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.808 | 136  | 21910    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.645 | 164  | 13760    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.390 | 188  | 30295    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.580 | 240  | 22301    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.033 | 264  | 15547    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.536  | 112  | 1701     | 0.139 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.154  | 99   | 1624     | 0.105 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.153  | 82   | 4657     | 0.323 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.397 | 152  | 9314     | 0.251 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.136 | 330  | 2002     | 0.401 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.266 | 172  | 15507    | 0.282 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.422 | 212  | 26024    | 0.367 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.013 | 244  | 17220    | 0.476 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 18) Fluorene                  | 15.693 | 166  | 1371     | 0.030 | ng    | # 95     |
| 25) Phenanthrene              | 17.427 | 178  | 59216    | 0.656 | ng    | 100      |
| 28) Fluoranthene              | 19.452 | 202  | 84324    | 0.872 | ng    | 100      |
| 30) Pyrene                    | 19.814 | 202  | 38507    | 0.472 | ng    | 97       |
| 32) Benzo(a)anthracene        | 21.562 | 228  | 1702     | 0.024 | ng    | # 77     |
| 33) Chrysene                  | 21.616 | 228  | 2349     | 0.029 | ng    | # 75     |
| 34) Bis(2-ethylhexyl)phtha... | 21.482 | 149  | 4076     | 0.134 | ng    | # 99     |
| -----                         |        |      |          |       |       |          |

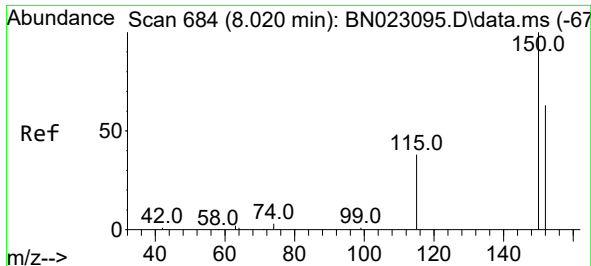
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 23 16:36:53 2022  
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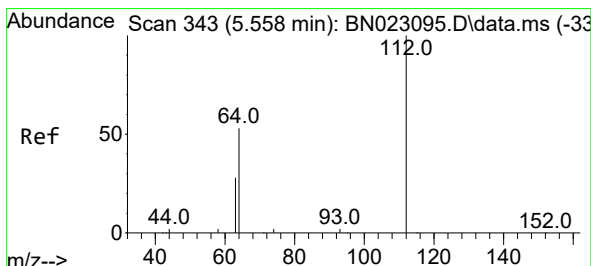
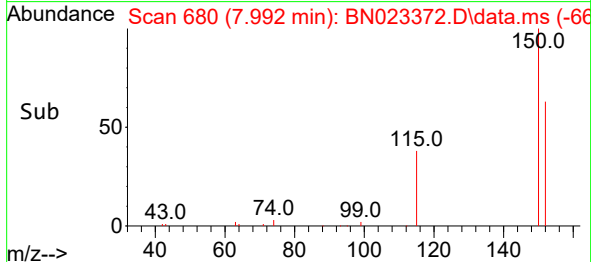
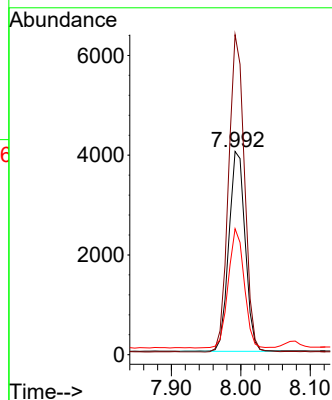
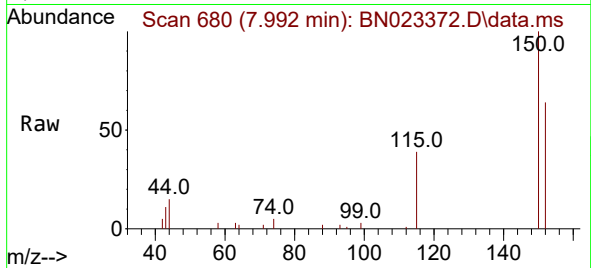




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.992 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

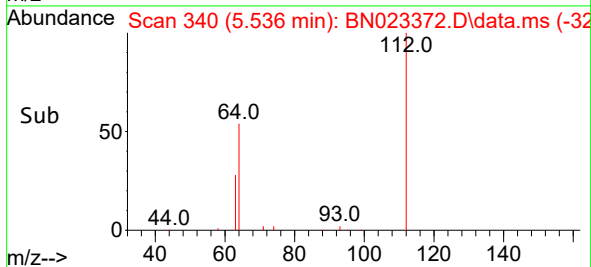
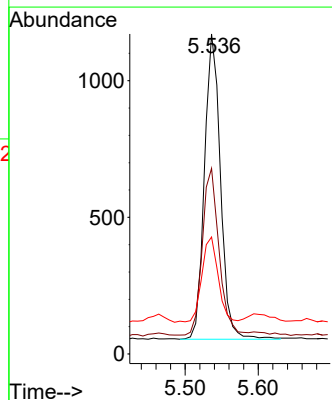
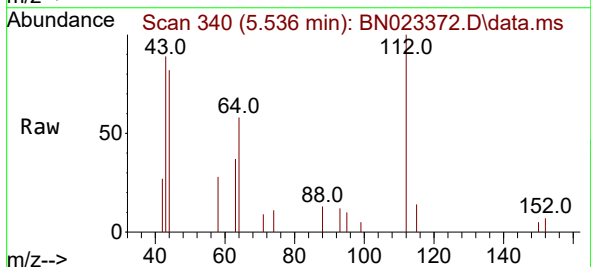
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BNA\_N  
ClientSampleId :  
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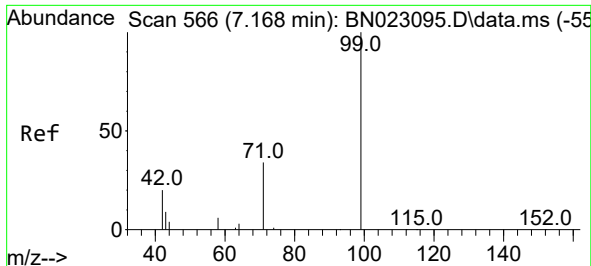
Tgt Ion:152 Resp: 6554  
Ion Ratio Lower Upper  
152 100  
150 157.4 125.6 188.4  
115 61.9 49.0 73.4



#4  
2-Fluorophenol  
Concen: 0.139 ng  
RT: 5.536 min Scan# 340  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion:112 Resp: 1701  
Ion Ratio Lower Upper  
112 100  
64 56.8 44.4 66.6  
63 27.9 23.7 35.5

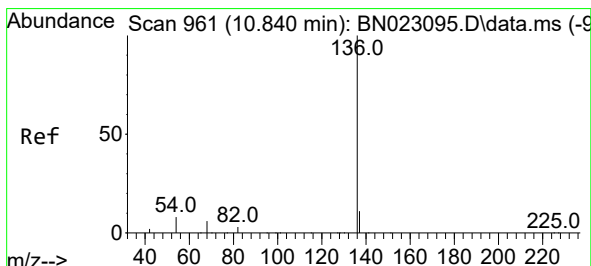
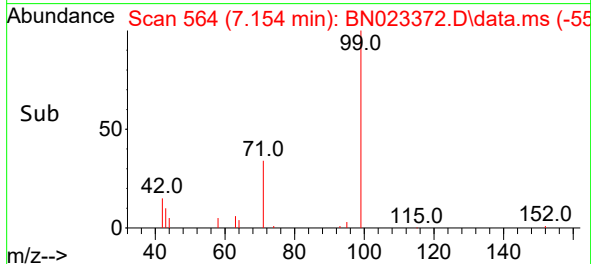
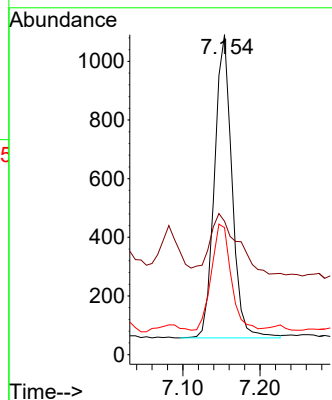
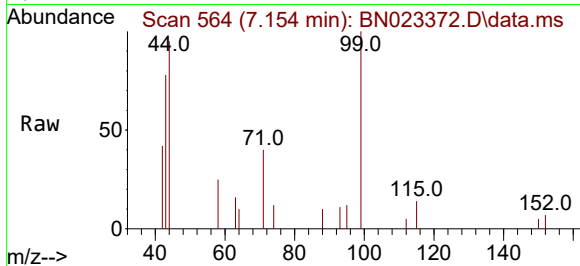




#5  
Phenol-d6  
Concen: 0.105 ng  
RT: 7.154 min Scan# 501  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

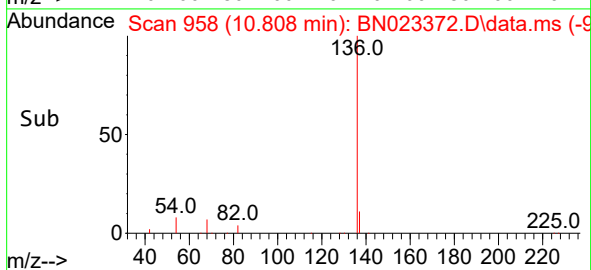
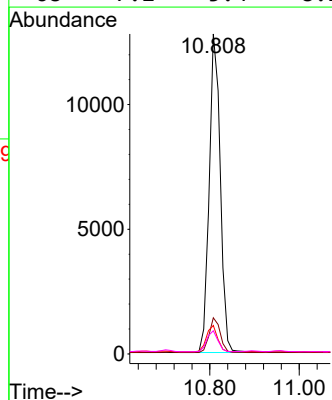
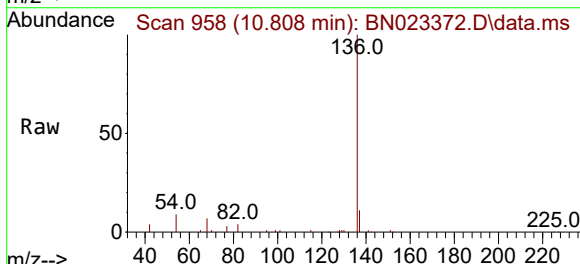
Instrument :  
BNA\_N  
ClientSampleId :  
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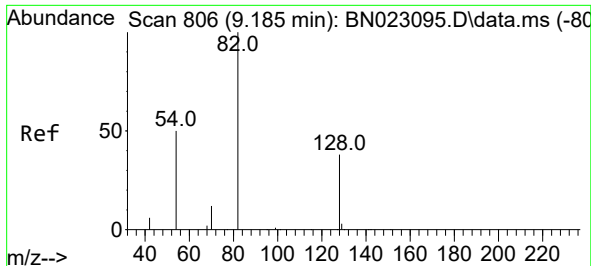
Tgt Ion: 99 Resp: 1624  
Ion Ratio Lower Upper  
99 100  
42 34.5 16.3 24.5#  
71 39.6 26.5 39.7



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.808 min Scan# 958  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion: 136 Resp: 21910  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.4  
54 8.9 6.5 9.7  
68 7.2 5.4 8.2

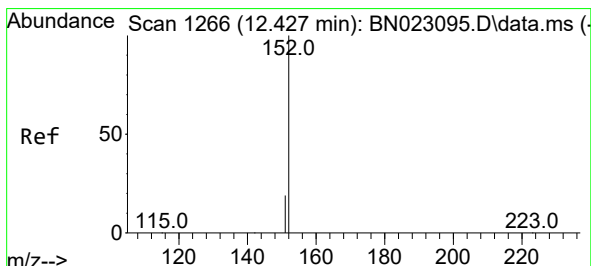
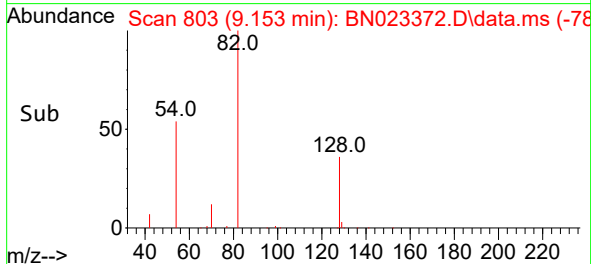
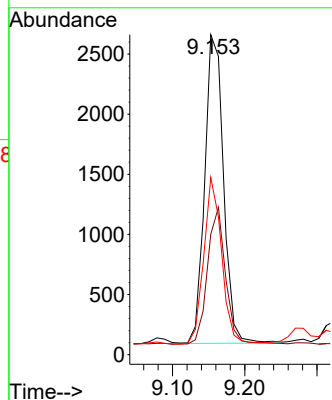
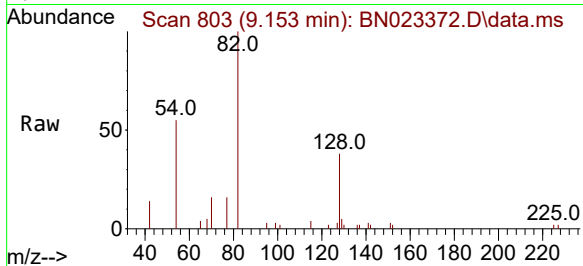




#8  
Nitrobenzene-d5  
Concen: 0.323 ng  
RT: 9.153 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

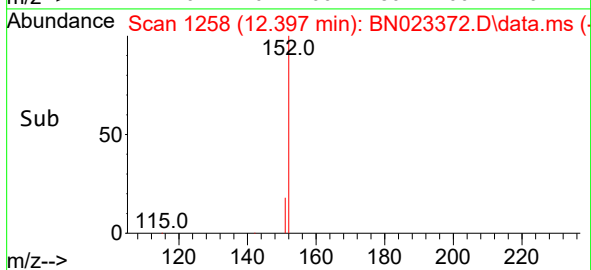
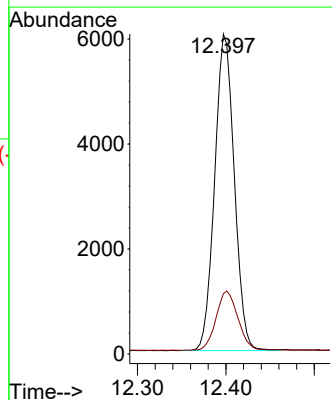
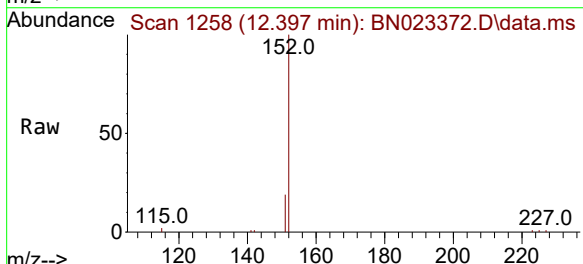
Instrument :  
BNA\_N  
ClientSampleId :  
GWOW-BR-04-147-166-122022

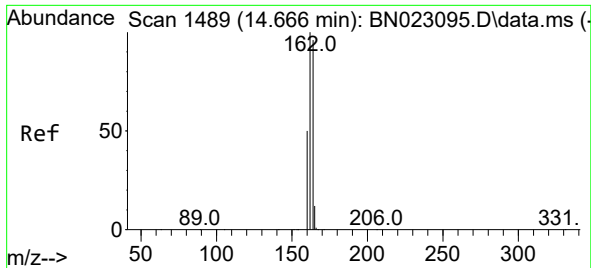
Tgt Ion: 82 Resp: 4657  
Ion Ratio Lower Upper  
82 100  
128 37.6 31.4 47.2  
54 55.4 41.0 61.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.251 ng  
RT: 12.397 min Scan# 1258  
Delta R.T. -0.004 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion: 152 Resp: 9314  
Ion Ratio Lower Upper  
152 100  
151 20.8 15.1 22.7

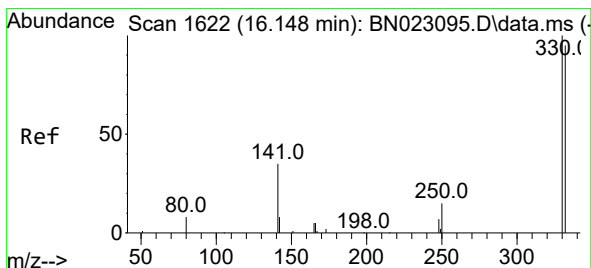
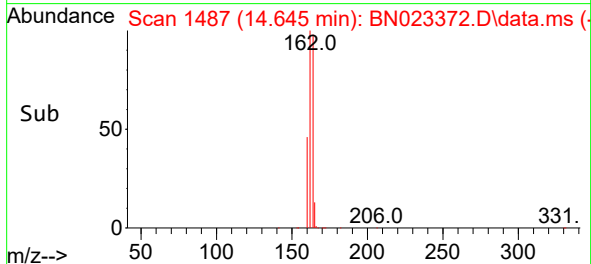
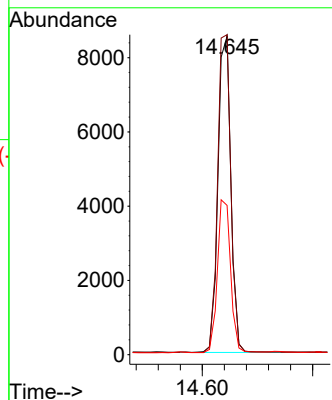
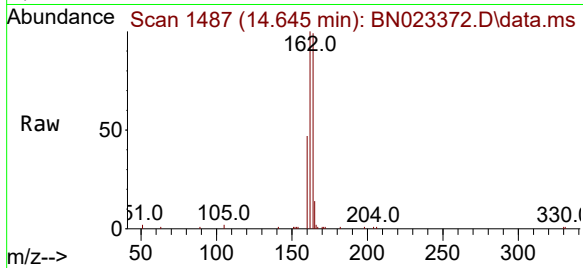




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.645 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

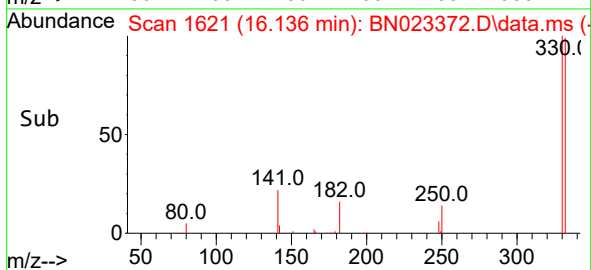
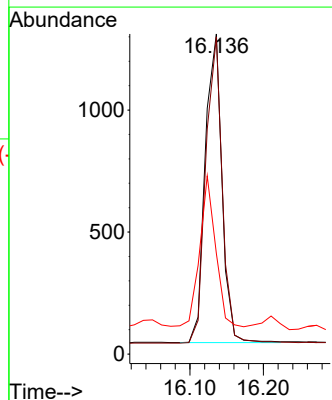
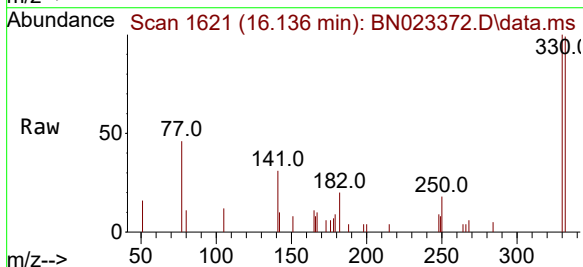
Instrument :  
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ClientSampleId :  
GWOW-BR-04-147-166-122022

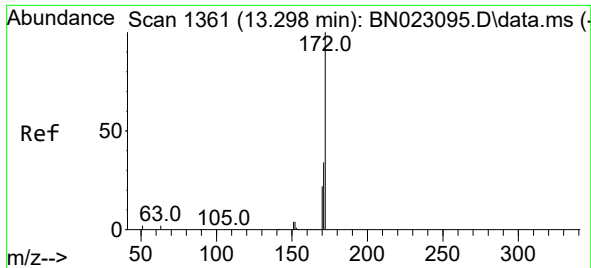
Tgt Ion:164 Resp: 13760  
Ion Ratio Lower Upper  
164 100  
162 100.5 83.4 125.0  
160 46.9 41.8 62.8



#14  
2,4,6-Tribromophenol  
Concen: 0.401 ng  
RT: 16.136 min Scan# 1621  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion:330 Resp: 2002  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.3 115.9  
141 47.3 33.5 50.3

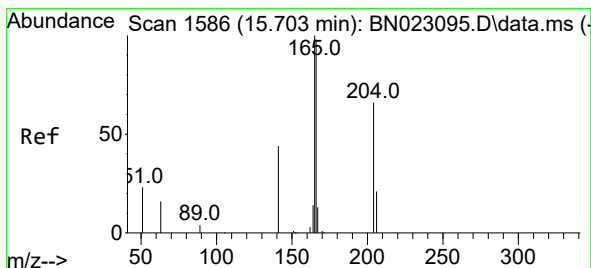
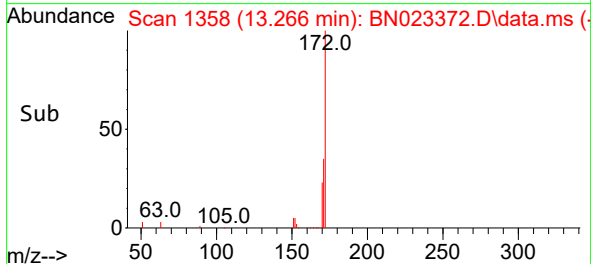
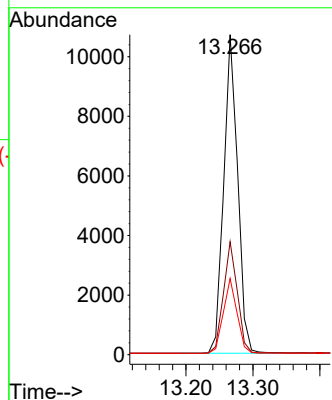
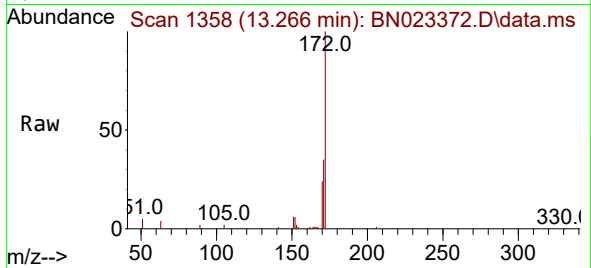




#15  
2-Fluorobiphenyl  
Concen: 0.282 ng  
RT: 13.266 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

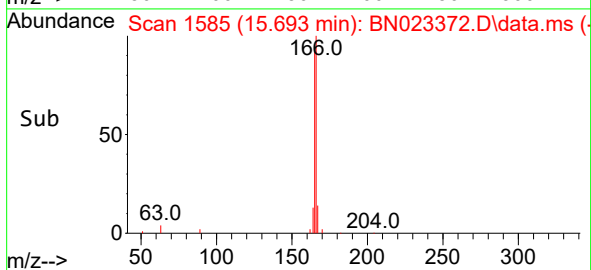
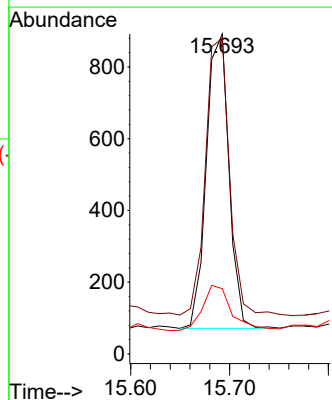
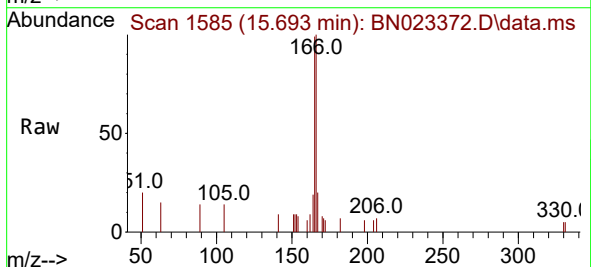
Instrument :  
BNA\_N  
ClientSampleId :  
GWOW-BR-04-147-166-122022

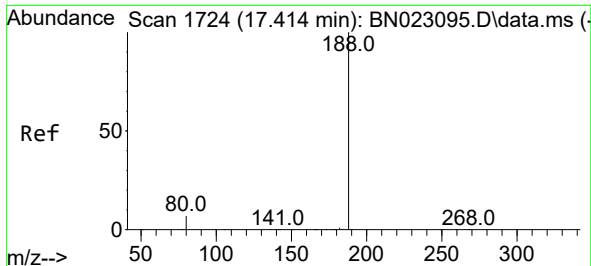
Tgt Ion:172 Resp: 15507  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.4 41.0  
170 23.8 17.9 26.9



#18  
Fluorene  
Concen: 0.030 ng  
RT: 15.693 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion:166 Resp: 1371  
Ion Ratio Lower Upper  
166 100  
165 101.0 79.8 119.6  
167 0.0 10.6 16.0#

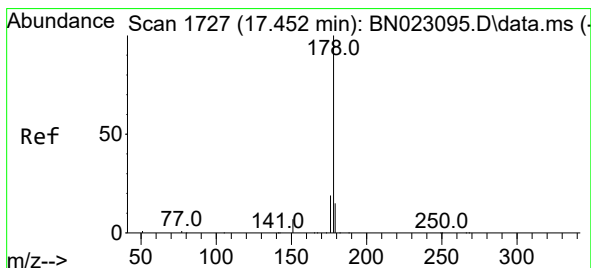
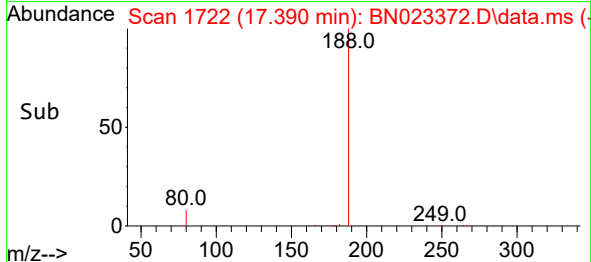
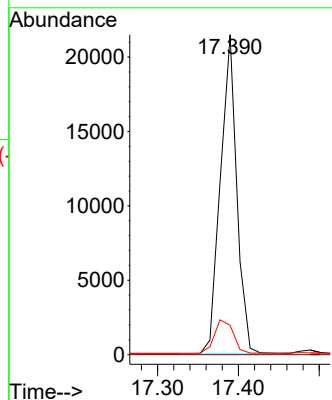
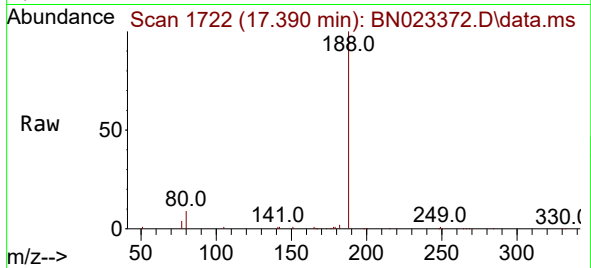




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.390 min Scan# 1722  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

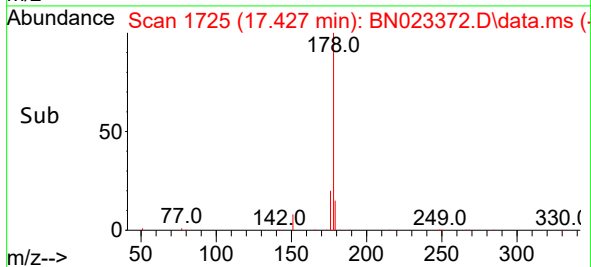
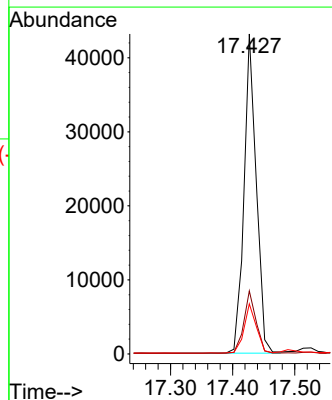
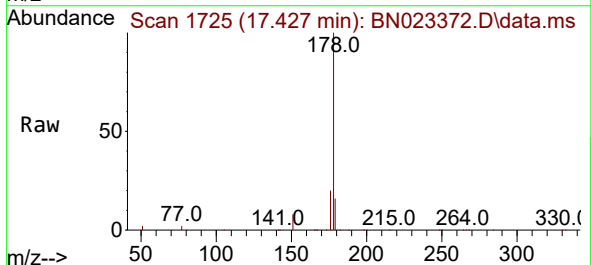
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Tgt Ion:188 Resp: 30295  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.1 6.1 9.1#

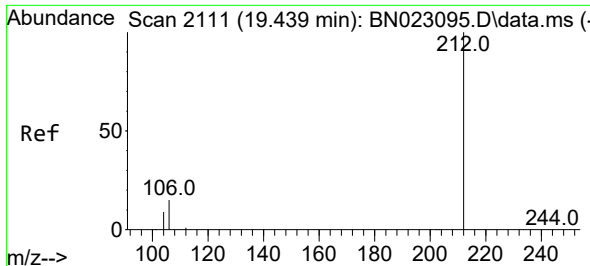


#25  
Phenanthrene  
Concen: 0.656 ng  
RT: 17.427 min Scan# 1725  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion:178 Resp: 59216  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.2  
179 15.5 12.2 18.2



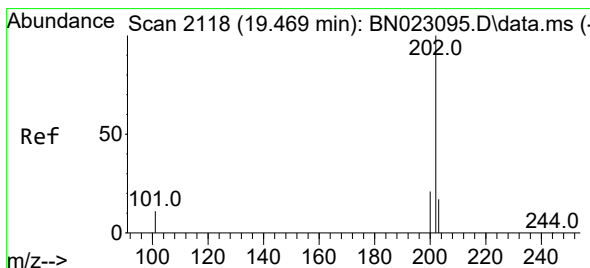
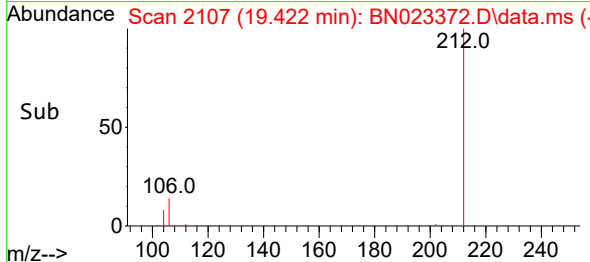
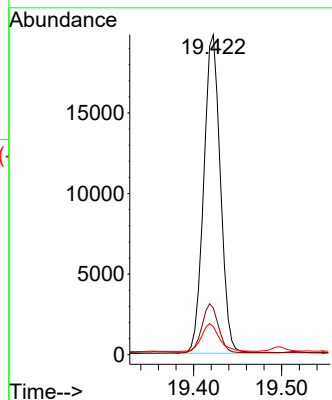
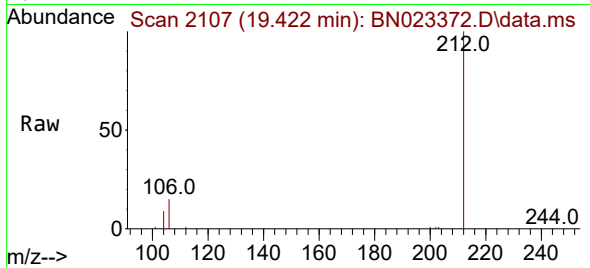




#27  
Fluoranthene-d10  
Concen: 0.367 ng  
RT: 19.422 min Scan# 2111  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

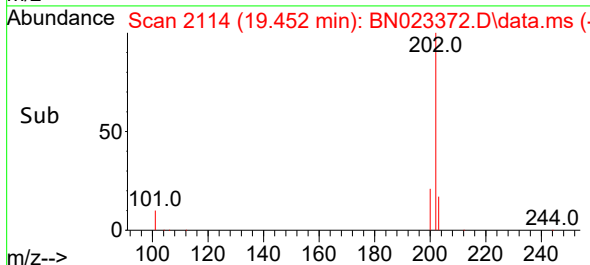
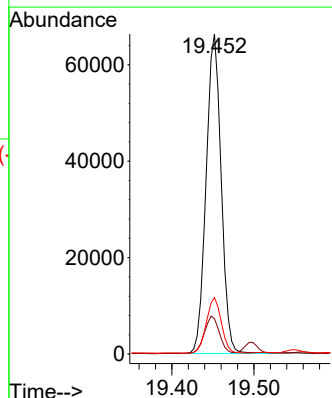
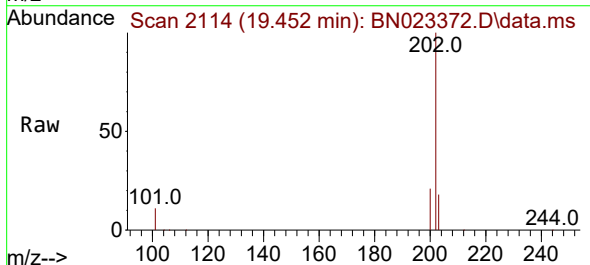
Instrument :  
BNA\_N  
ClientSampleId :  
GWOW-BR-04-147-166-122022

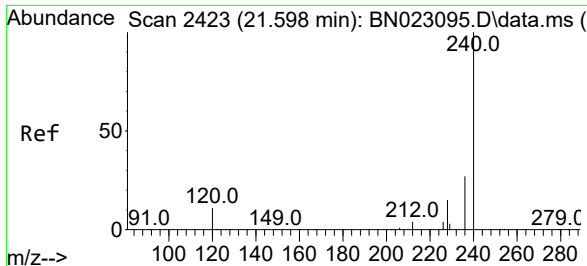
Tgt Ion:212 Resp: 26024  
Ion Ratio Lower Upper  
212 100  
106 15.0 13.0 19.4  
104 9.3 7.5 11.3



#28  
Fluoranthene  
Concen: 0.872 ng  
RT: 19.452 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: BN023372.D  
Acq: 23 Dec 2022 14:07

Tgt Ion:202 Resp: 84324  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.7 14.5  
203 17.2 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.580 min Scan# 2423

Delta R.T. -0.004 min

Lab File: BN023372.D

Acq: 23 Dec 2022 14:07

Instrument :

BNA\_N

ClientSampleId :

GWOW-BR-04-147-166-122022

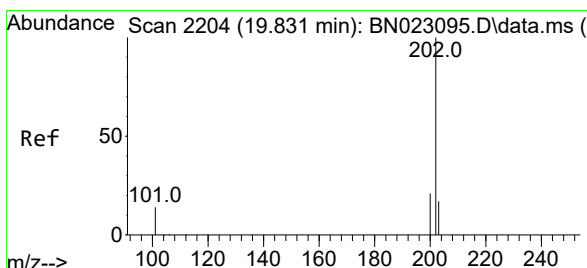
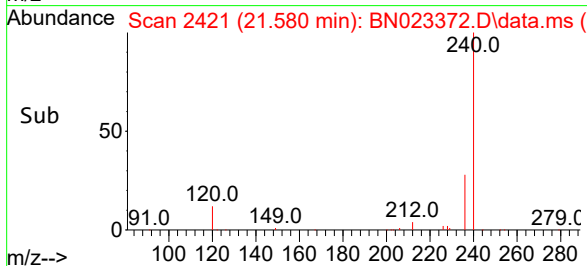
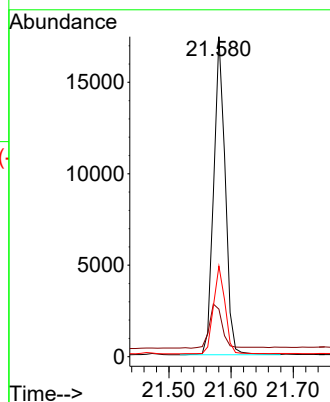
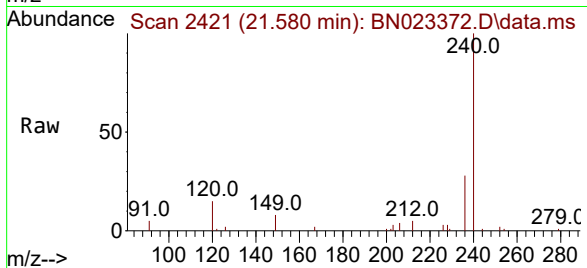
Tgt Ion:240 Resp: 22301

Ion Ratio Lower Upper

240 100

120 14.8 10.1 15.1

236 28.3 22.2 33.4



#30

Pyrene

Concen: 0.472 ng

RT: 19.814 min Scan# 2200

Delta R.T. 0.000 min

Lab File: BN023372.D

Acq: 23 Dec 2022 14:07

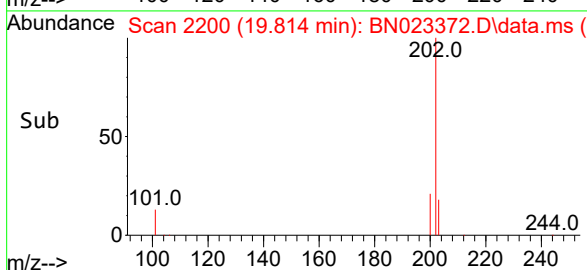
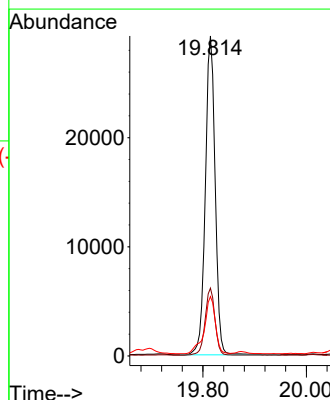
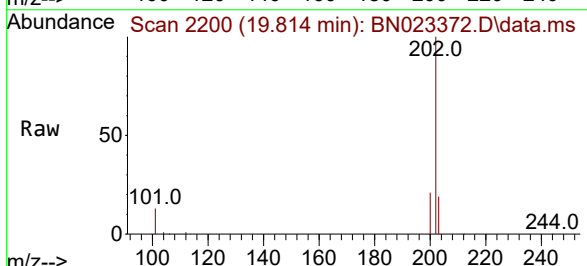
Tgt Ion:202 Resp: 38507

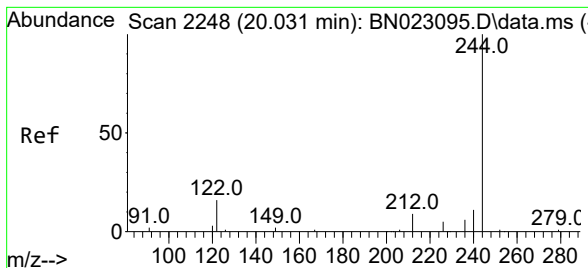
Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

203 20.2 14.2 21.4





#31

Terphenyl-d14

Concen: 0.476 ng

RT: 20.013 min Scan# 21

Delta R.T. -0.004 min

Lab File: BN023372.D

Acq: 23 Dec 2022 14:07

Instrument :

BNA\_N

ClientSampleId :

GWOW-BR-04-147-166-122022

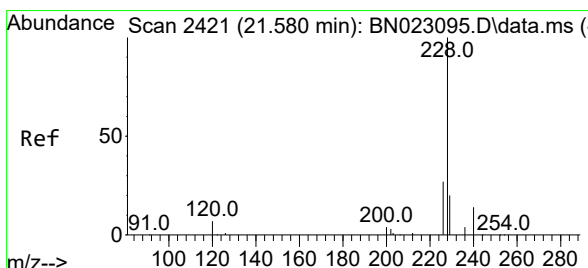
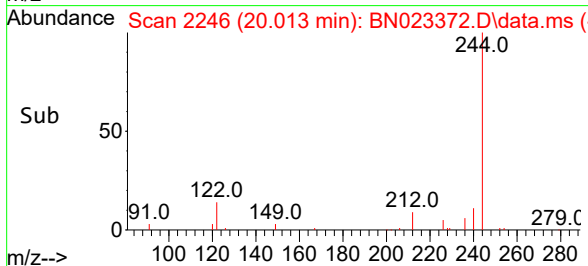
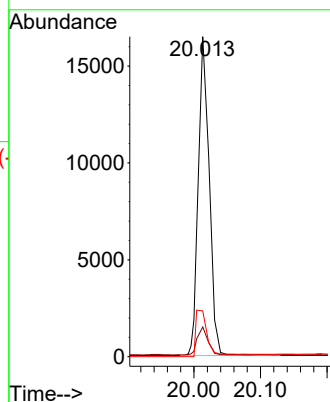
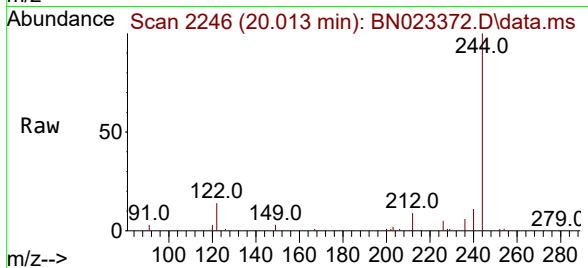
Tgt Ion:244 Resp: 17220

Ion Ratio Lower Upper

244 100

212 9.3 7.6 11.4

122 14.3 12.6 18.8



#32

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.562 min Scan# 2419

Delta R.T. -0.004 min

Lab File: BN023372.D

Acq: 23 Dec 2022 14:07

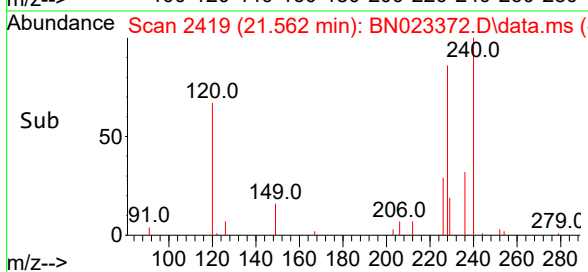
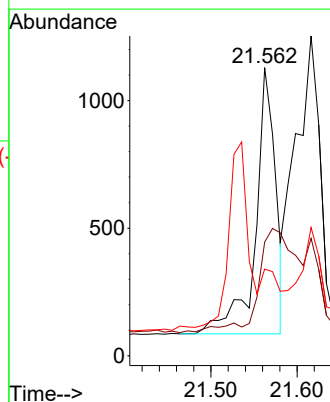
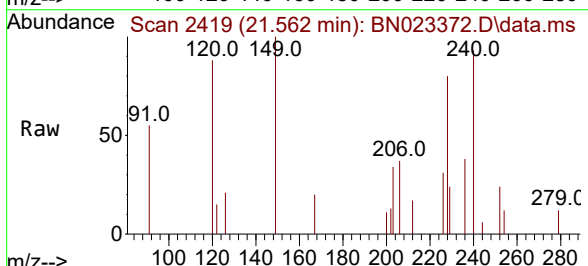
Tgt Ion:228 Resp: 1702

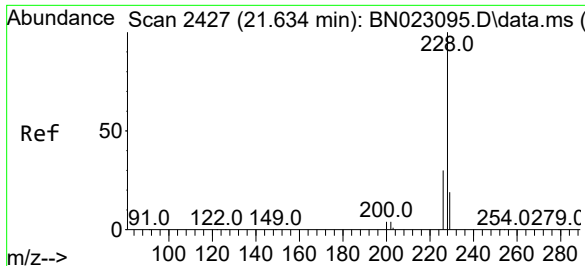
Ion Ratio Lower Upper

228 100

226 39.5 22.0 33.0#

229 30.1 15.8 23.8#





#33

Chrysene

Concen: 0.029 ng

RT: 21.616 min Scan# 2425

Delta R.T. -0.004 min

Lab File: BN023372.D

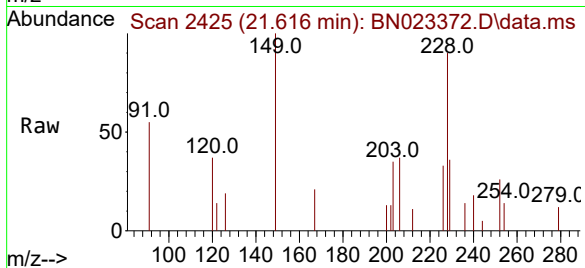
Acq: 23 Dec 2022 14:07

Instrument :

BNA\_N

ClientSampleId :

GWOW-BR-04-147-166-122022



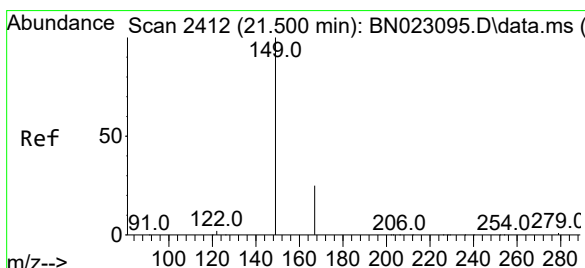
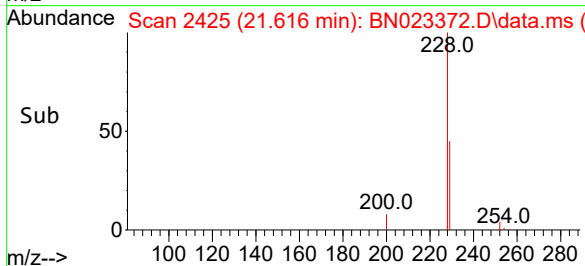
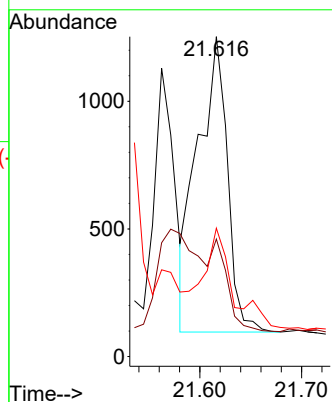
Tgt Ion:228 Resp: 2349

Ion Ratio Lower Upper

228 100

226 36.7 24.4 36.6#

229 40.1 15.6 23.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.134 ng

RT: 21.482 min Scan# 2410

Delta R.T. -0.004 min

Lab File: BN023372.D

Acq: 23 Dec 2022 14:07

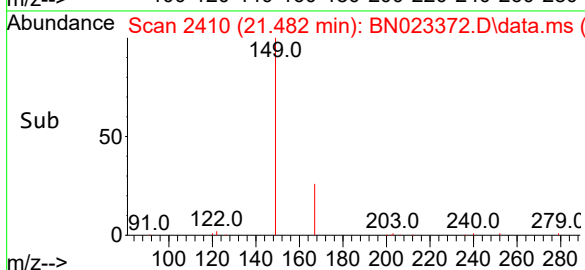
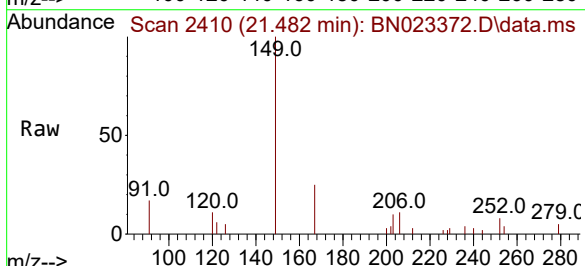
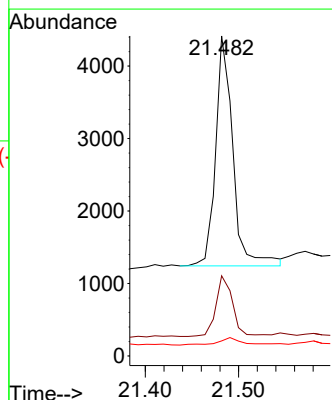
Tgt Ion:149 Resp: 4076

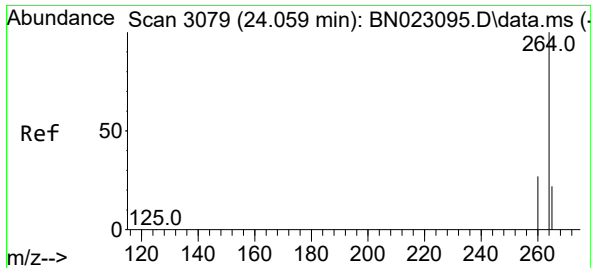
Ion Ratio Lower Upper

149 100

167 25.3 20.2 30.2

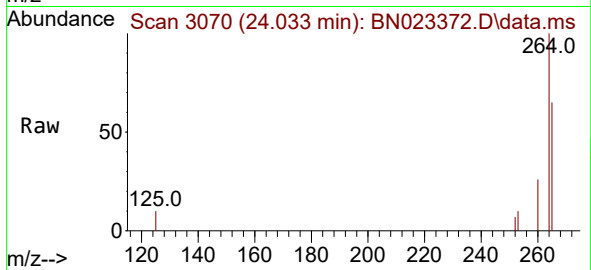
279 4.6 2.3 3.5#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.033 min Scan# 30  
 Delta R.T. -0.004 min  
 Lab File: BN023372.D  
 Acq: 23 Dec 2022 14:07

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GWOW-BR-04-147-166-122022



Tgt Ion:264 Resp: 15547  
 Ion Ratio Lower Upper  
 264 100  
 260 26.1 21.7 32.5  
 265 65.2 43.2 64.8#

