

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122123\  
 Data File : BN029153.D  
 Acq On : 21 Dec 2023 16:46  
 Operator : MA/JU  
 Sample : PB157679BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB157679BSD

Quant Time: Dec 21 23:26:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 20 18:03:30 2023  
 Response via : Initial Calibration

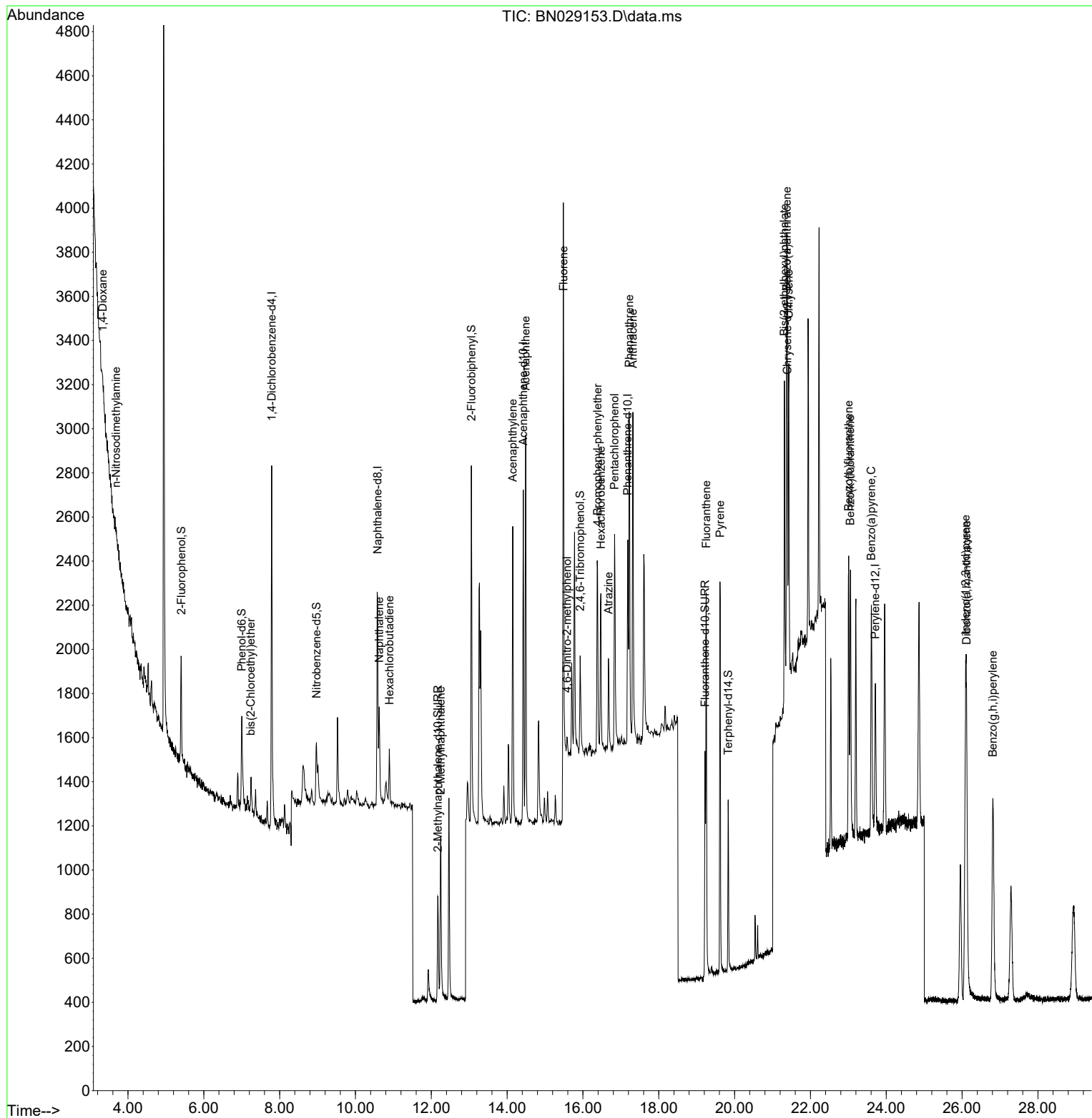
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.789  | 152  | 868      | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.584 | 136  | 1661     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.426 | 164  | 859      | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.181 | 188  | 1405     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.394 | 240  | 652      | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.712 | 264  | 957      | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.406  | 112  | 416      | 0.200 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.002  | 99   | 553      | 0.242 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.971  | 82   | 398      | 0.184 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.170 | 152  | 863      | 0.343 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.927 | 330  | 282      | 0.376 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.057 | 172  | 1579     | 0.315 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.220 | 212  | 1275     | 0.375 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.833 | 244  | 817      | 0.456 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.333  | 88   | 164      | 0.201 | ng    | # 20     |
| 3) n-Nitrosodimethylamine     | 3.687  | 42   | 31       | 0.055 | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 7.241  | 93   | 169      | 0.095 | ng    | # 81     |
| 9) Naphthalene                | 10.626 | 128  | 596      | 0.110 | ng    | # 75     |
| 10) Hexachlorobutadiene       | 10.893 | 225  | 161      | 0.090 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.246 | 142  | 660      | 0.187 | ng    | 95       |
| 16) Acenaphthylene            | 14.148 | 152  | 1584     | 0.262 | ng    | 100      |
| 17) Acenaphthene              | 14.490 | 154  | 880      | 0.242 | ng    | 97       |
| 18) Fluorene                  | 15.484 | 166  | 1304     | 0.266 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.580 | 198  | 89       | 0.196 | ng    | # 85     |
| 21) 4-Bromophenyl-phenylether | 16.387 | 248  | 408      | 0.281 | ng    | 99       |
| 22) Hexachlorobenzene         | 16.474 | 284  | 513      | 0.303 | ng    | 94       |
| 23) Atrazine                  | 16.672 | 200  | 406      | 0.333 | ng    | 97       |
| 24) Pentachlorophenol         | 16.833 | 266  | 591      | 0.589 | ng    | 96       |
| 25) Phenanthrene              | 17.218 | 178  | 1863     | 0.321 | ng    | 97       |
| 26) Anthracene                | 17.318 | 178  | 1787     | 0.319 | ng    | 99       |
| 28) Fluoranthene              | 19.252 | 202  | 1776     | 0.296 | ng    | 99       |
| 30) Pyrene                    | 19.615 | 202  | 1795     | 0.350 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.376 | 228  | 1383     | 0.386 | ng    | 98       |
| 33) Chrysene                  | 21.429 | 228  | 1342     | 0.379 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.313 | 149  | 1462     | 0.322 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.092 | 276  | 2594     | 0.421 | ng    | # 67     |
| 37) Benzo(b)fluoranthene      | 23.008 | 252  | 1820     | 0.374 | ng    | 95       |
| 38) Benzo(k)fluoranthene      | 23.055 | 252  | 1820     | 0.382 | ng    | 95       |
| 39) Benzo(a)pyrene            | 23.607 | 252  | 1728     | 0.398 | ng    | 91       |
| 40) Dibenzo(a,h)anthracene    | 26.119 | 278  | 1988     | 0.419 | ng    | # 91     |
| 41) Benzo(g,h,i)perylene      | 26.809 | 276  | 2193     | 0.420 | ng    | 94       |

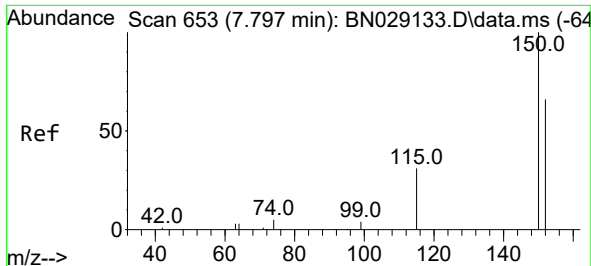
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN122123\  
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QLast Update : Wed Dec 20 18:03:30 2023  
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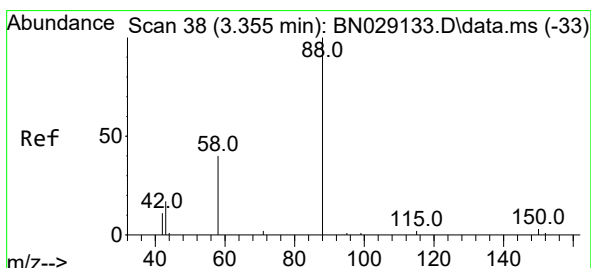
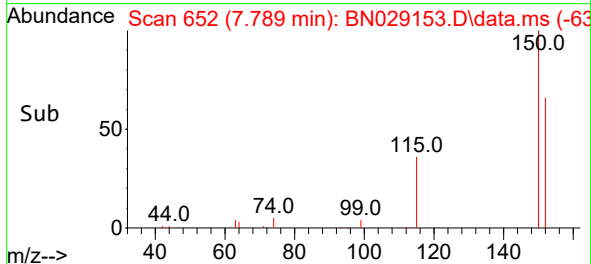
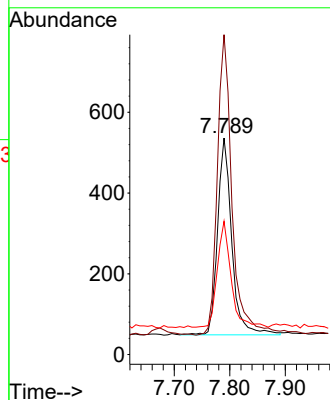
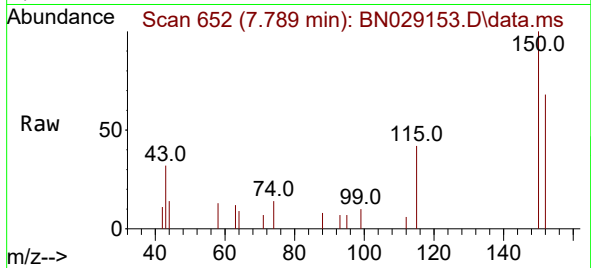




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.789 min Scan# 61  
 Delta R.T. -0.008 min  
 Lab File: BN029153.D  
 Acq: 21 Dec 2023 16:46

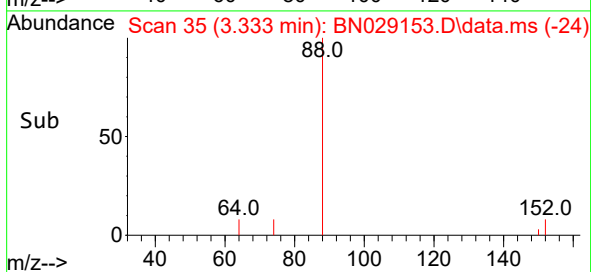
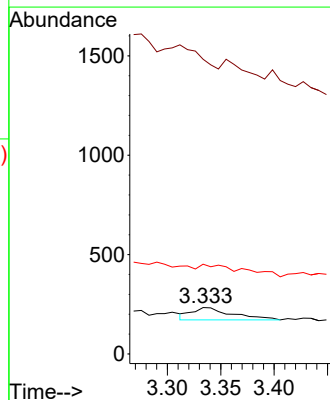
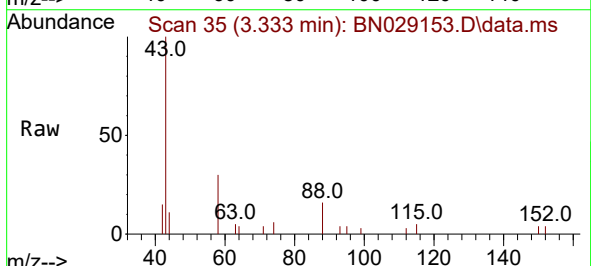
Instrument :  
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 ClientSampleId :  
 PB157679BSD

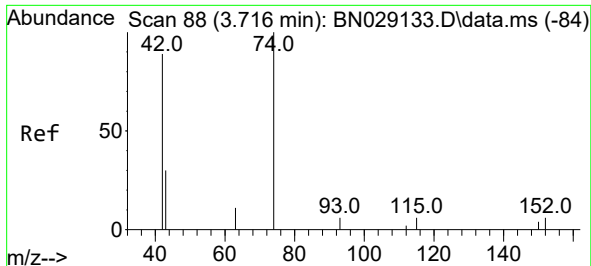
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 Ion Ratio Lower Upper  
 152 100  
 150 147.8 117.6 176.4  
 115 61.6 44.2 66.2



#2  
 1,4-Dioxane  
 Concen: 0.201 ng  
 RT: 3.333 min Scan# 35  
 Delta R.T. -0.022 min  
 Lab File: BN029153.D  
 Acq: 21 Dec 2023 16:46

Tgt Ion: 88 Resp: 164  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 20.1 30.1#  
 58 107.3 35.4 53.2#

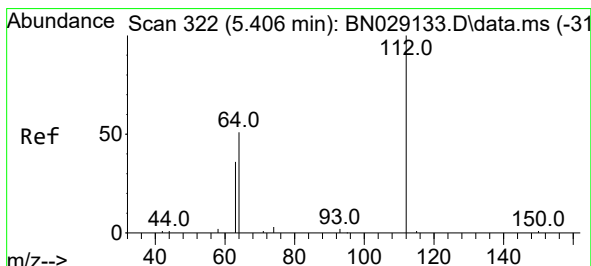
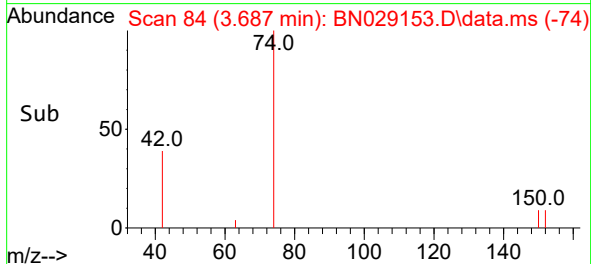
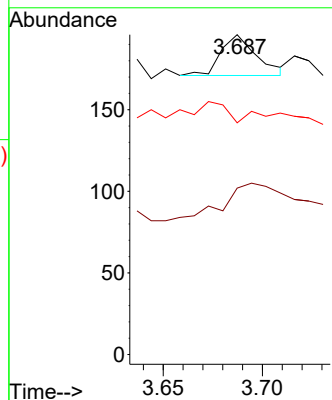
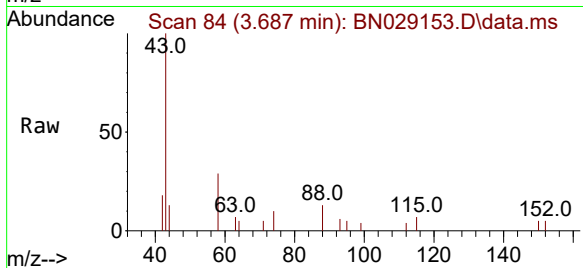




#3  
 n-Nitrosodimethylamine  
 Concen: 0.055 ng  
 RT: 3.687 min Scan# 84  
 Delta R.T. -0.029 min  
 Lab File: BN029153.D  
 Acq: 21 Dec 2023 16:46

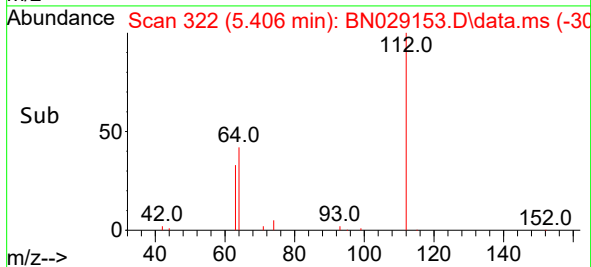
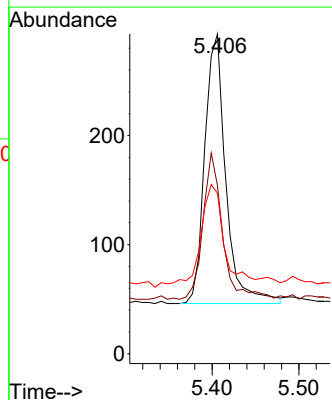
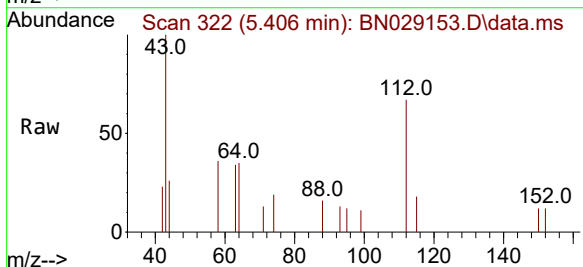
Instrument :  
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 PB157679BSD

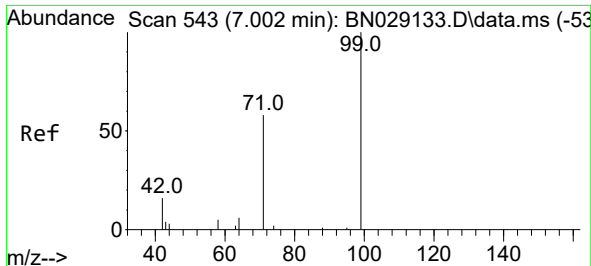
Tgt Ion: 42 Resp: 31  
 Ion Ratio Lower Upper  
 42 100  
 74 251.6 103.0 154.4#  
 44 0.0 3.2 4.8#



#4  
 2-Fluorophenol  
 Concen: 0.200 ng  
 RT: 5.406 min Scan# 322  
 Delta R.T. -0.000 min  
 Lab File: BN029153.D  
 Acq: 21 Dec 2023 16:46

Tgt Ion: 112 Resp: 416  
 Ion Ratio Lower Upper  
 112 100  
 64 50.2 38.6 58.0  
 63 43.5 30.0 45.0

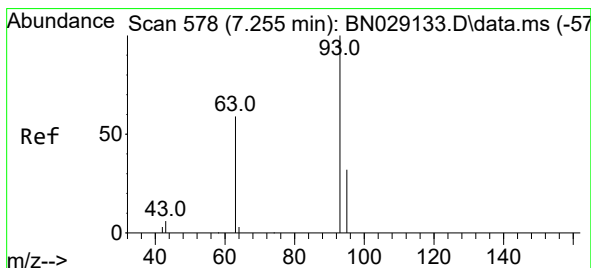
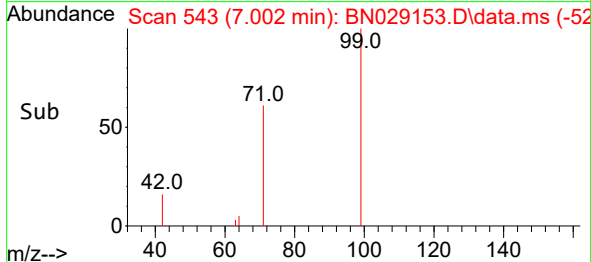
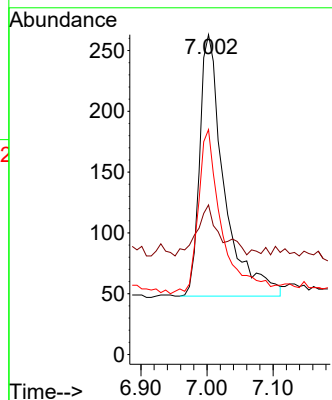
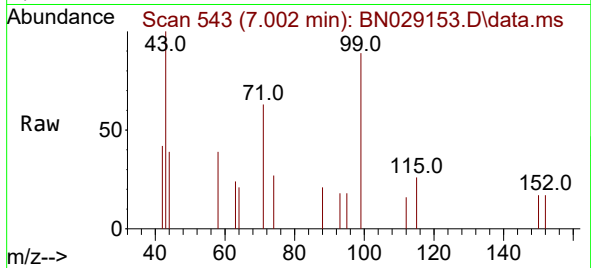




#5  
Phenol-d6  
Concen: 0.242 ng  
RT: 7.002 min Scan# 543  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

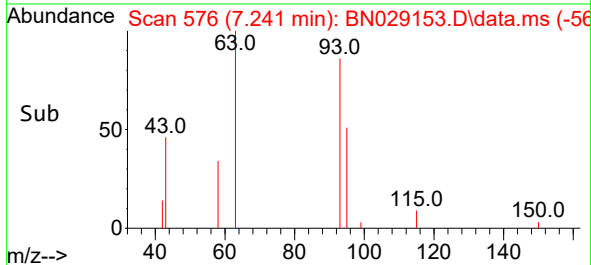
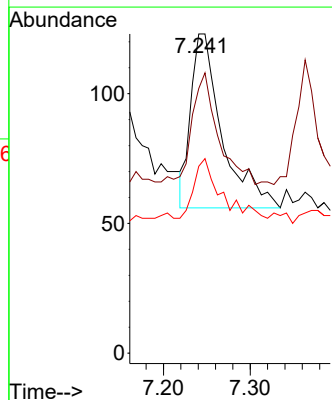
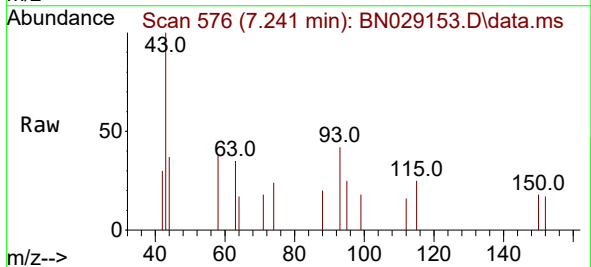
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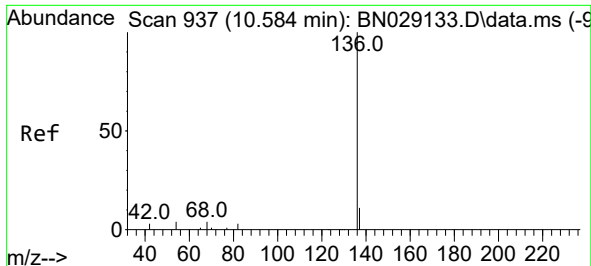
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 553   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.8  | 13.8  | 20.6  |
| 71       | 60.6  | 45.4  | 68.2  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.095 ng  
RT: 7.241 min Scan# 576  
Delta R.T. -0.014 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 169   |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 52.1  | 57.0  | 85.6  |
| 95       | 28.4  | 27.4  | 41.2  |

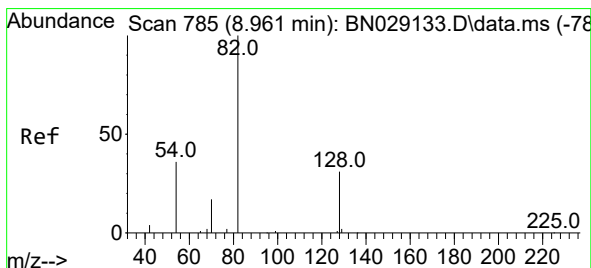
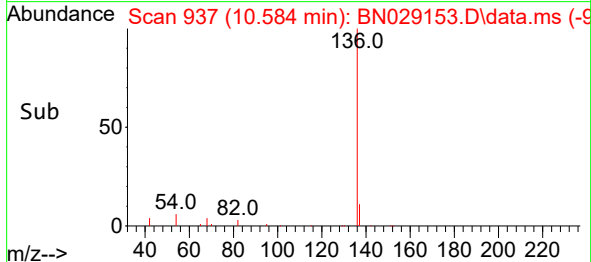
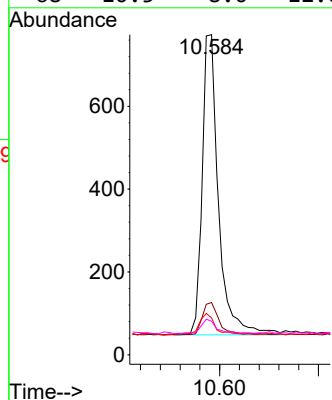
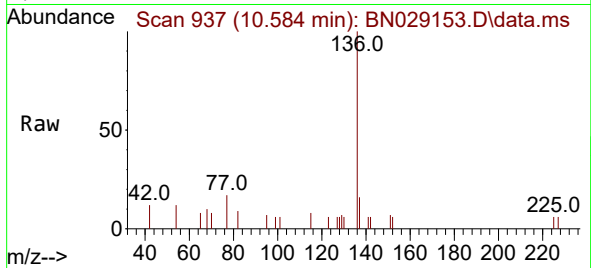




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.584 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

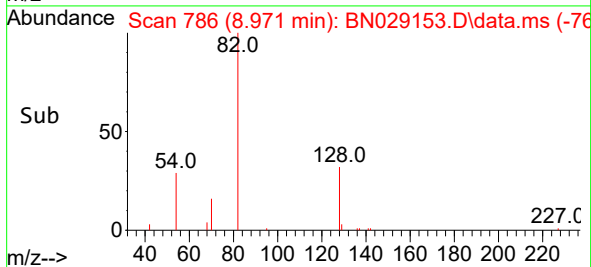
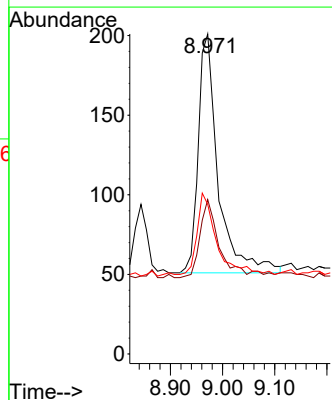
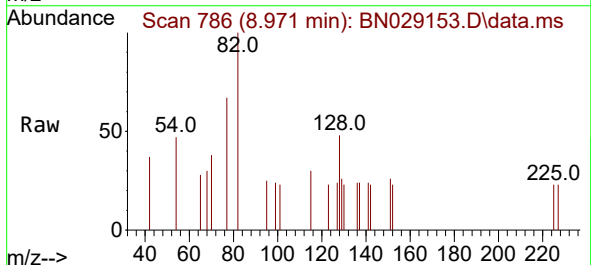
Instrument :  
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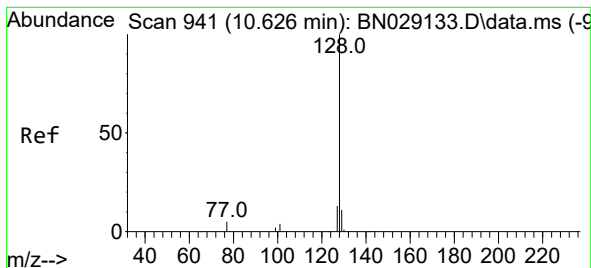
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|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 1661  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 16.3  | 13.4  | 20.0  |
| 54       | 11.5  | 8.6   | 13.0  |
| 68       | 10.5  | 8.0   | 12.0  |



#8  
Nitrobenzene-d5  
Concen: 0.184 ng  
RT: 8.971 min Scan# 786  
Delta R.T. 0.011 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 398   |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 48.3  | 33.0  | 49.4  |
| 54       | 46.8  | 35.8  | 53.8  |





#9

Naphthalene

Concen: 0.110 ng

RT: 10.626 min Scan# 941

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

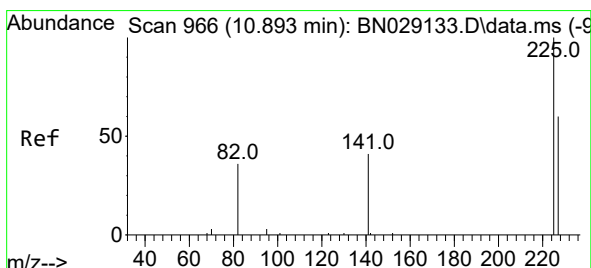
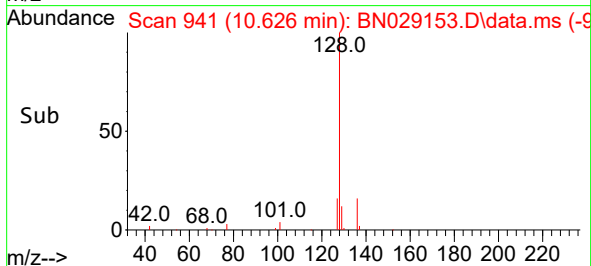
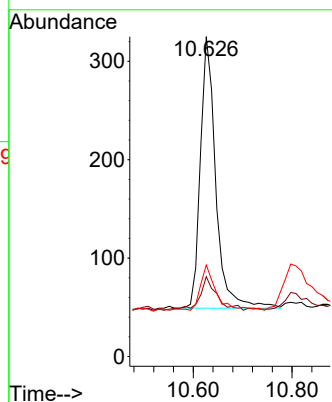
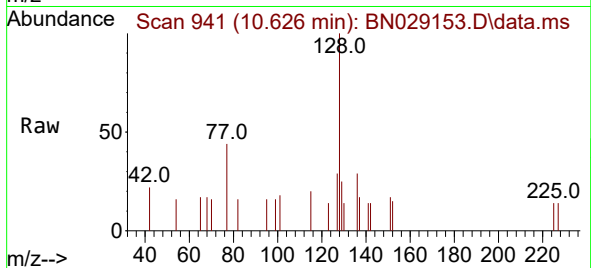
Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 596   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 24.9  | 12.0  | 18.0# |
| 127      | 28.6  | 14.1  | 21.1# |



#10

Hexachlorobutadiene

Concen: 0.090 ng

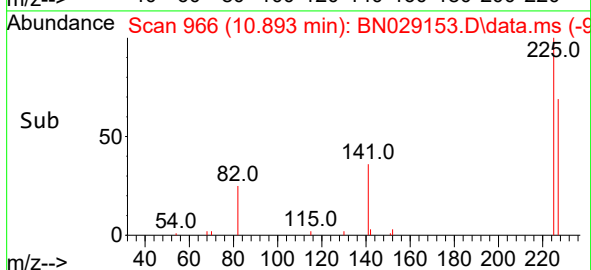
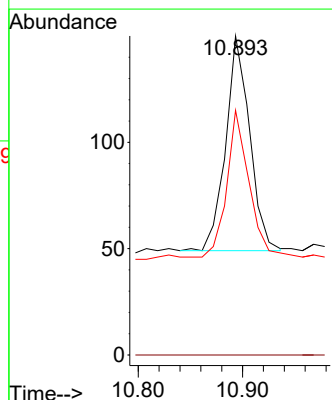
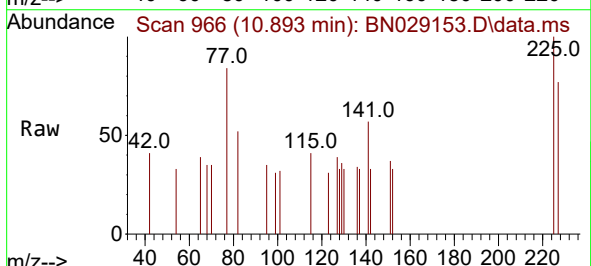
RT: 10.893 min Scan# 966

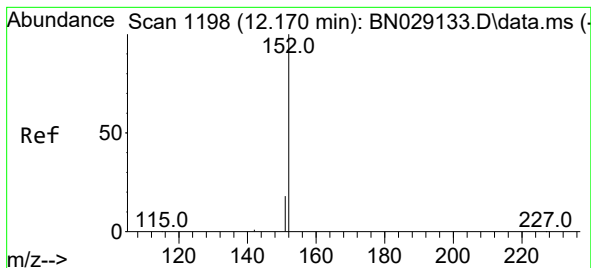
Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 161   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 0.0   | 0.0   |
| 227      | 63.4  | 50.6  | 75.8  |

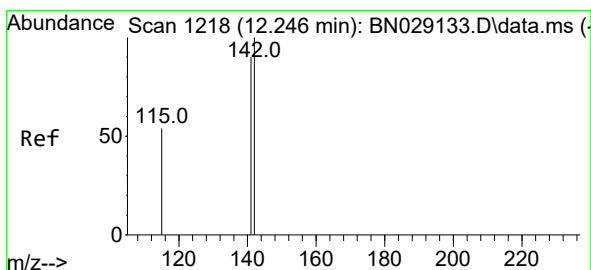
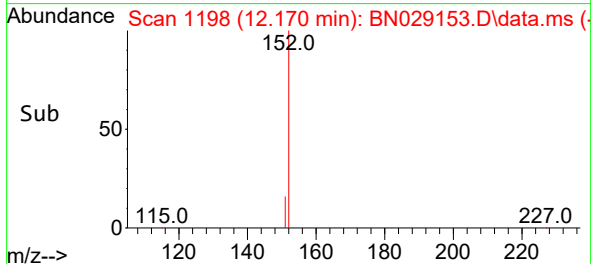
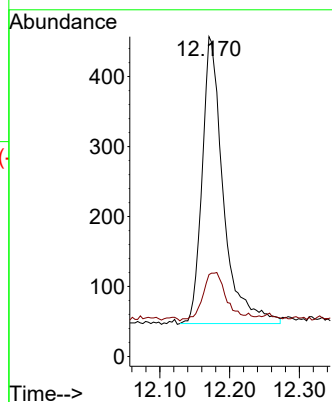
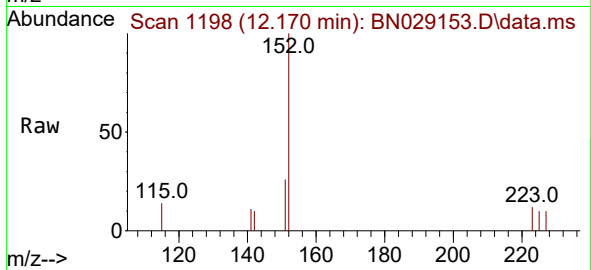




#11  
2-Methylnaphthalene-d10  
Concen: 0.343 ng  
RT: 12.170 min Scan# 1198  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

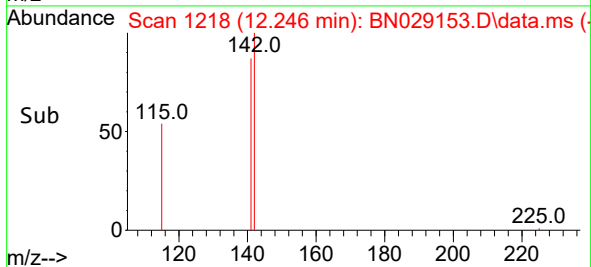
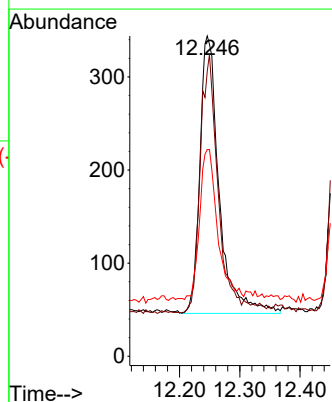
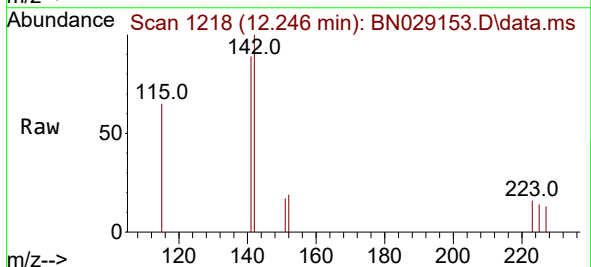
Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD

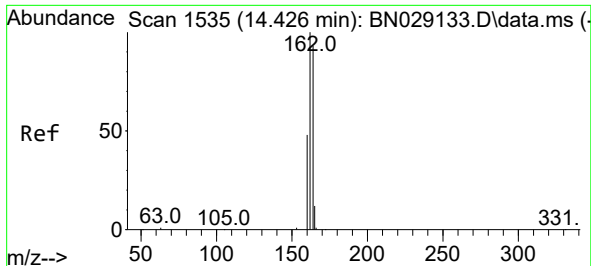
Tgt Ion:152 Resp: 863  
Ion Ratio Lower Upper  
152 100  
151 18.4 17.4 26.2



#12  
2-Methylnaphthalene  
Concen: 0.187 ng  
RT: 12.246 min Scan# 1218  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

Tgt Ion:142 Resp: 660  
Ion Ratio Lower Upper  
142 100  
141 89.0 73.0 109.4  
115 64.5 46.8 70.2

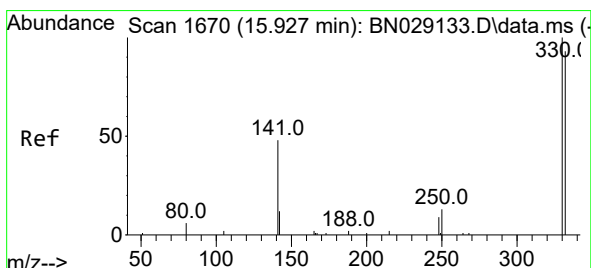
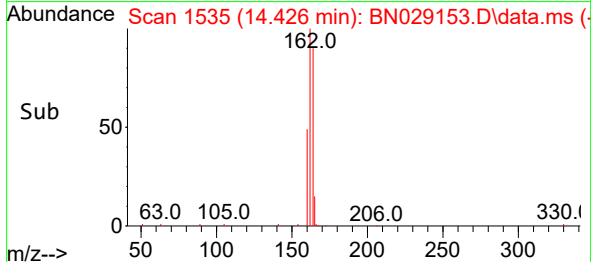
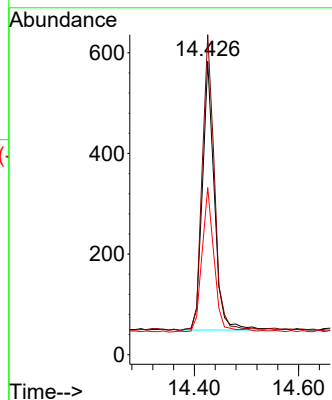
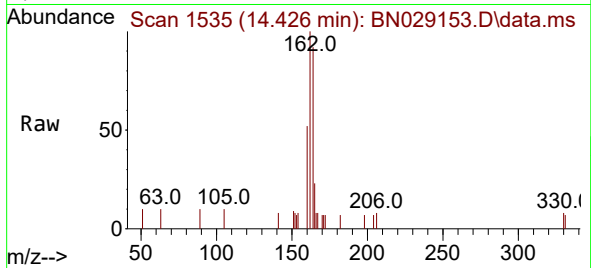




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.426 min Scan# 1535  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

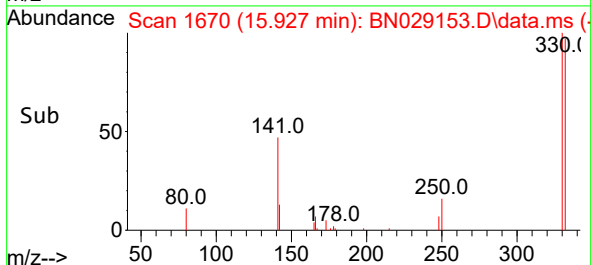
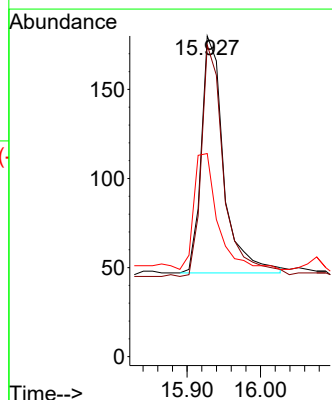
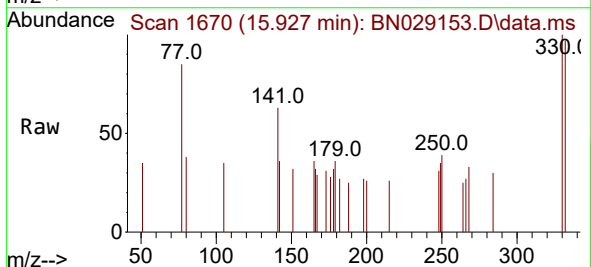
Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD

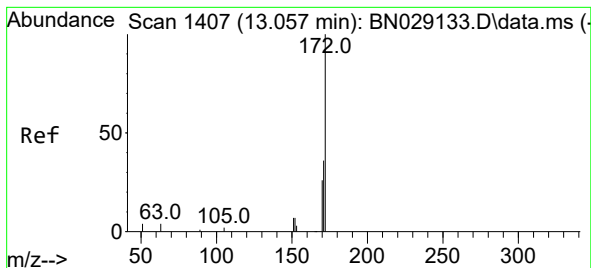
Tgt Ion:164 Resp: 859  
Ion Ratio Lower Upper  
164 100  
162 109.1 85.0 127.4  
160 56.9 45.8 68.8



#14  
2,4,6-Tribromophenol  
Concen: 0.376 ng  
RT: 15.927 min Scan# 1670  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

Tgt Ion:330 Resp: 282  
Ion Ratio Lower Upper  
330 100  
332 98.9 83.4 125.0  
141 51.4 43.8 65.8





#15

2-Fluorobiphenyl

Concen: 0.315 ng

RT: 13.057 min Scan# 1407

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

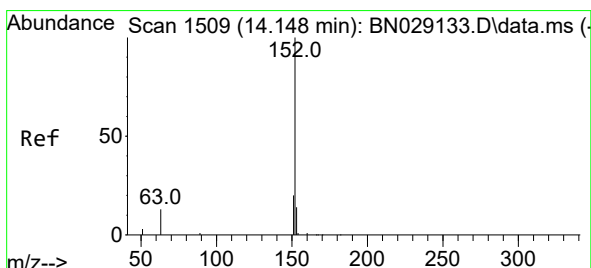
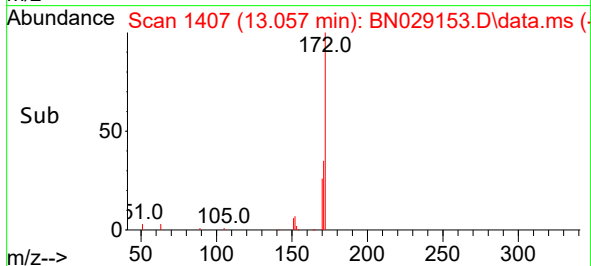
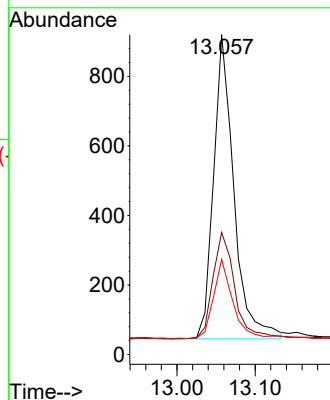
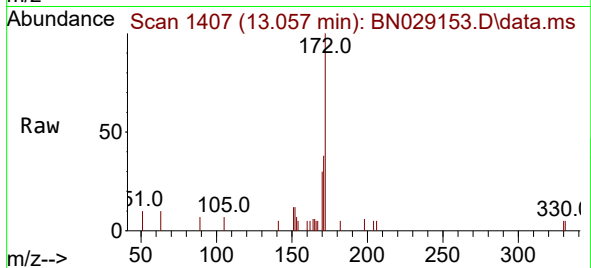
Tgt Ion:172 Resp: 1579

Ion Ratio Lower Upper

172 100

171 38.2 32.2 48.4

170 29.8 25.0 37.4



#16

Acenaphthylene

Concen: 0.262 ng

RT: 14.148 min Scan# 1509

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

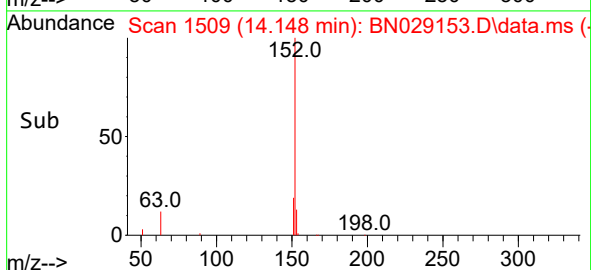
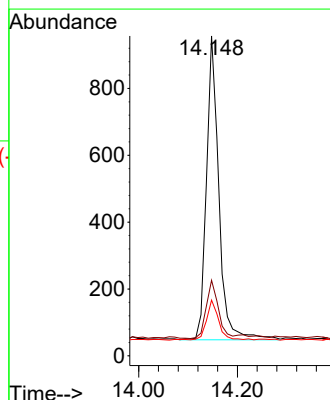
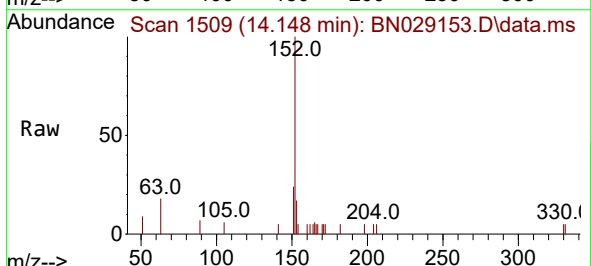
Tgt Ion:152 Resp: 1584

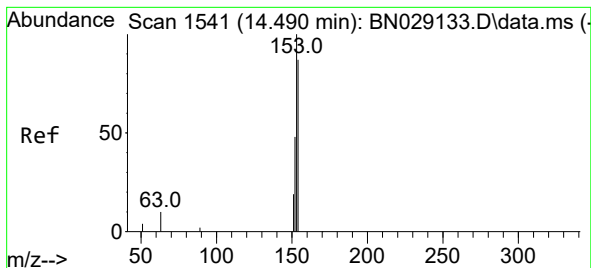
Ion Ratio Lower Upper

152 100

151 20.6 16.3 24.5

153 12.7 10.1 15.1





#17

Acenaphthene

Concen: 0.242 ng

RT: 14.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

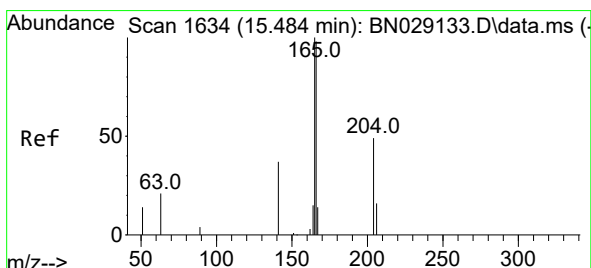
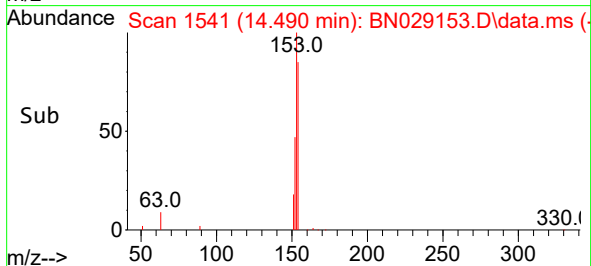
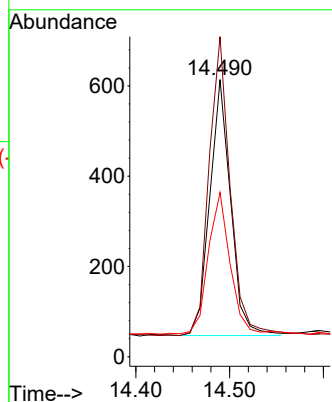
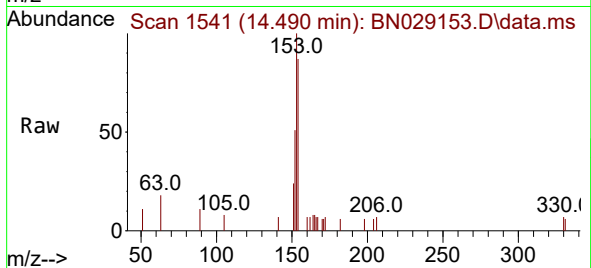
Tgt Ion:154 Resp: 880

Ion Ratio Lower Upper

154 100

153 120.1 99.9 149.9

152 58.6 47.4 71.2



#18

Fluorene

Concen: 0.266 ng

RT: 15.484 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

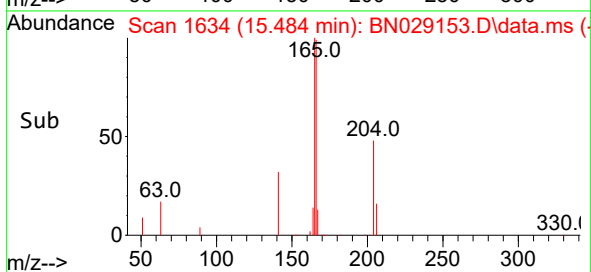
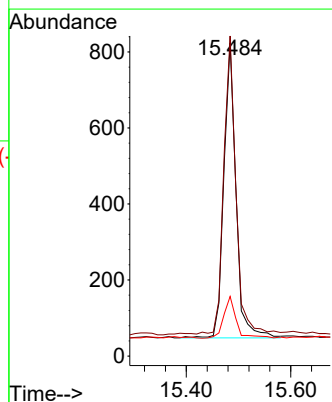
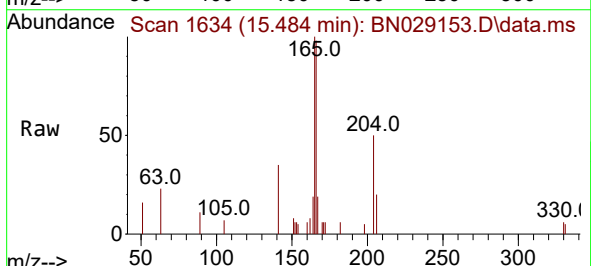
Tgt Ion:166 Resp: 1304

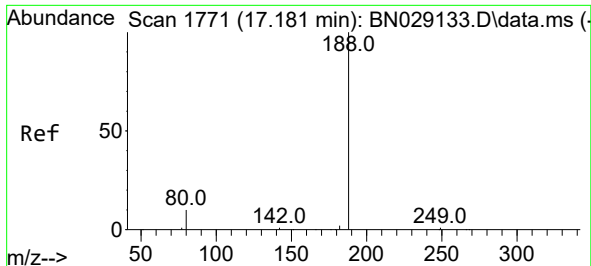
Ion Ratio Lower Upper

166 100

165 102.5 83.4 125.0

167 15.0 11.8 17.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.181 min Scan# 1771

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

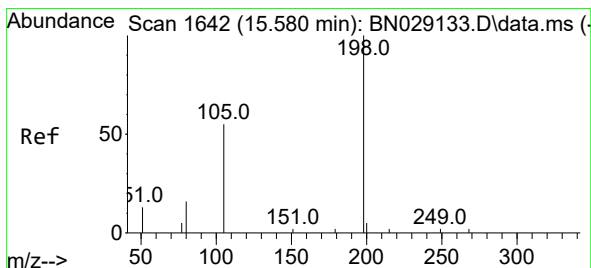
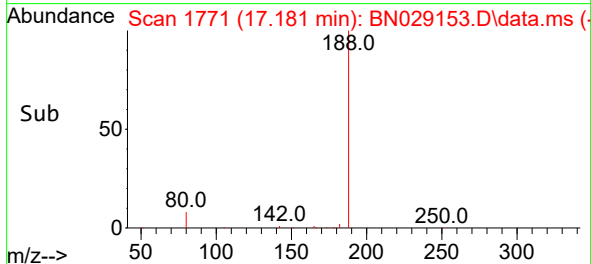
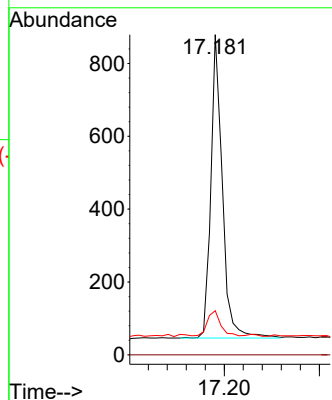
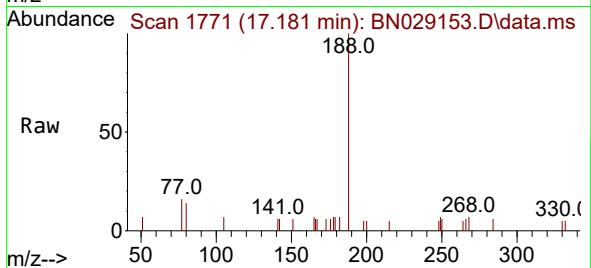
Tgt Ion:188 Resp: 1405

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.8 13.7 20.5



#20

4,6-Dinitro-2-methylphenol

Concen: 0.196 ng

RT: 15.580 min Scan# 1642

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

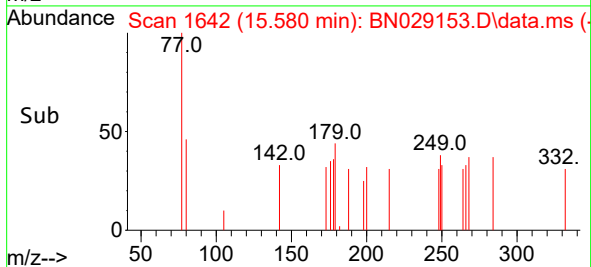
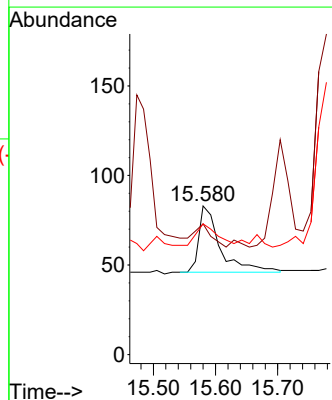
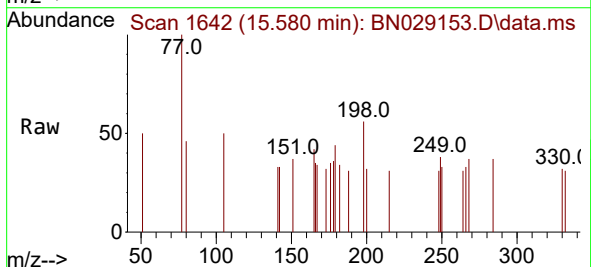
Tgt Ion:198 Resp: 89

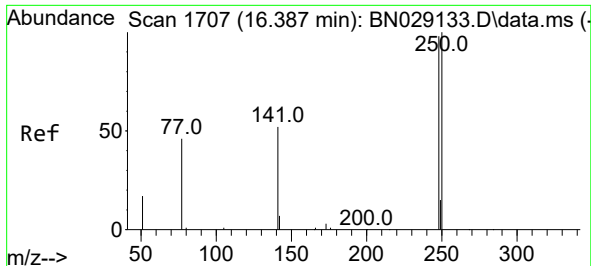
Ion Ratio Lower Upper

198 100

51 88.0 53.6 80.4

105 88.0 65.6 98.4

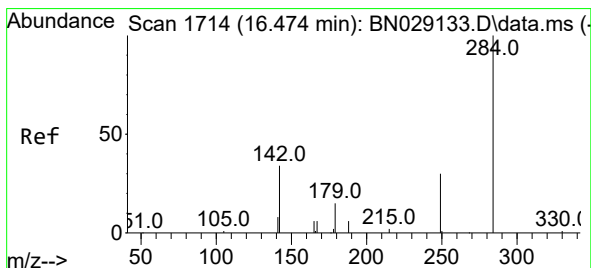
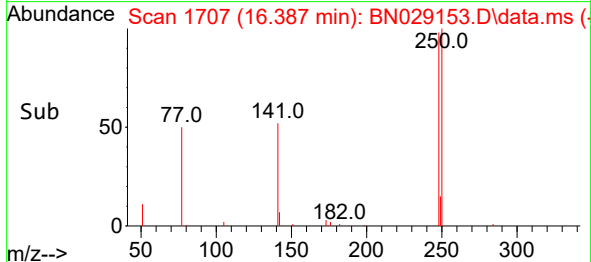
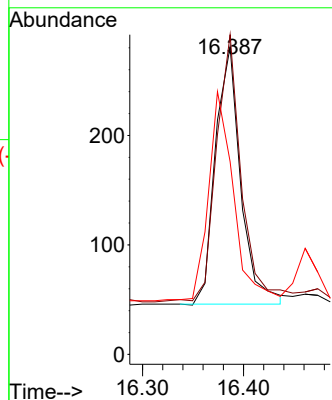
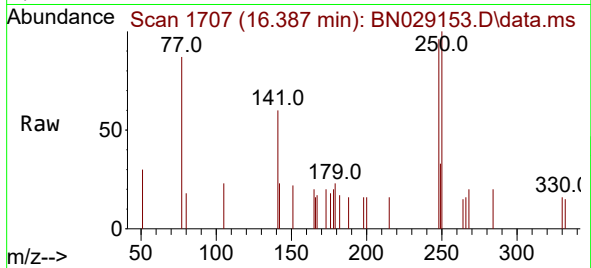




#21  
4-Bromophenyl-phenylether  
Concen: 0.281 ng  
RT: 16.387 min Scan# 1707  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

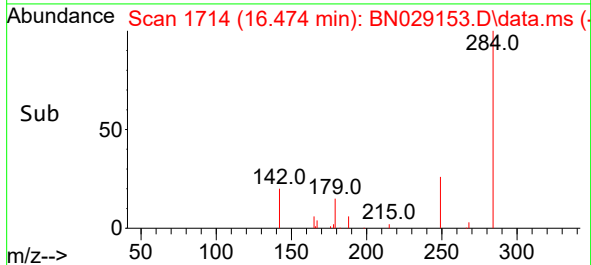
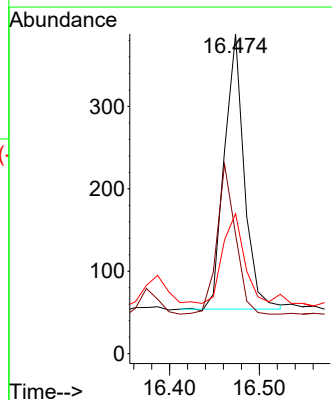
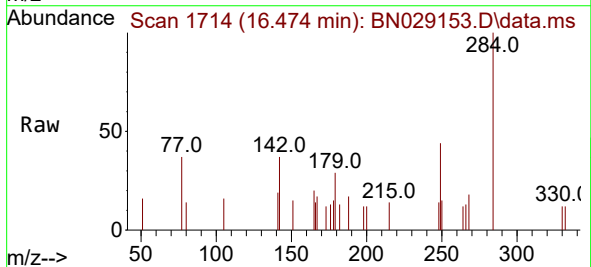
Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD

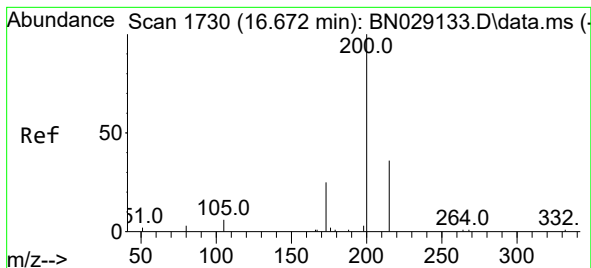
Tgt Ion:248 Resp: 408  
Ion Ratio Lower Upper  
248 100  
250 103.9 82.2 123.2  
141 62.6 49.7 74.5



#22  
Hexachlorobenzene  
Concen: 0.303 ng  
RT: 16.474 min Scan# 1714  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

Tgt Ion:284 Resp: 513  
Ion Ratio Lower Upper  
284 100  
142 51.3 46.9 70.3  
249 35.3 28.6 43.0





#23

Atrazine

Concen: 0.333 ng

RT: 16.672 min Scan# 1730

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

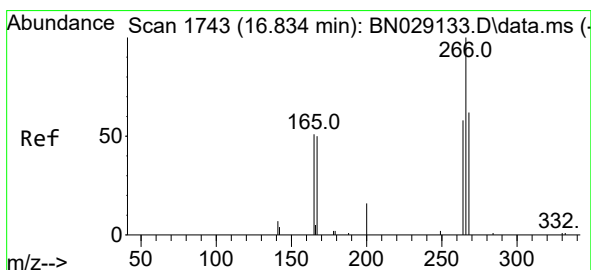
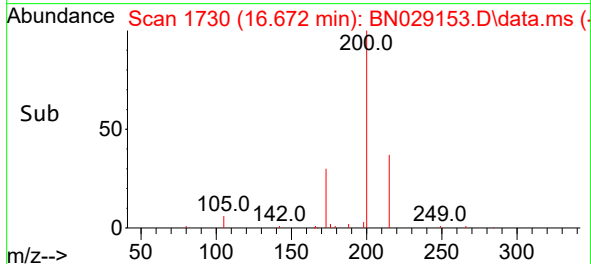
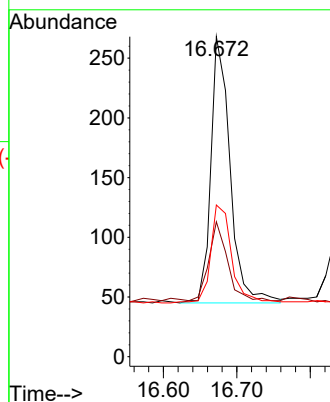
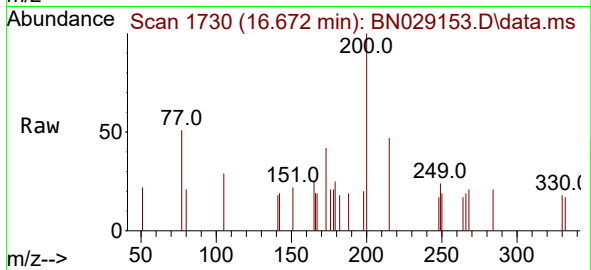
Tgt Ion:200 Resp: 406

Ion Ratio Lower Upper

200 100

173 42.2 31.4 47.2

215 47.4 38.5 57.7



#24

Pentachlorophenol

Concen: 0.589 ng

RT: 16.833 min Scan# 1743

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

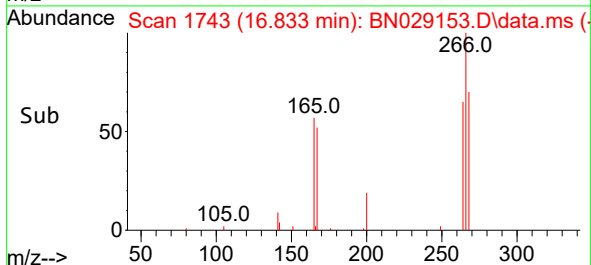
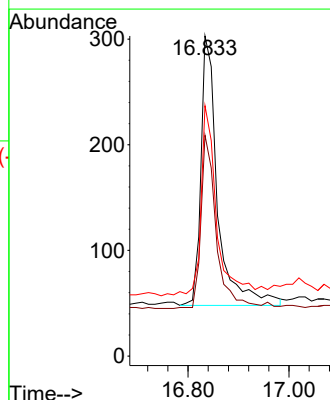
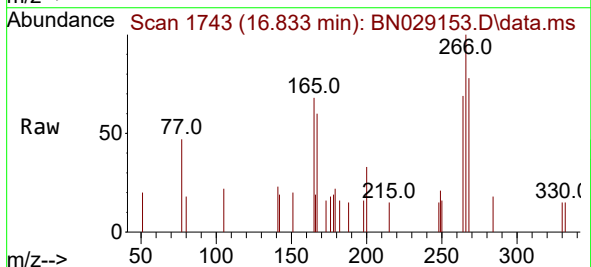
Tgt Ion:266 Resp: 591

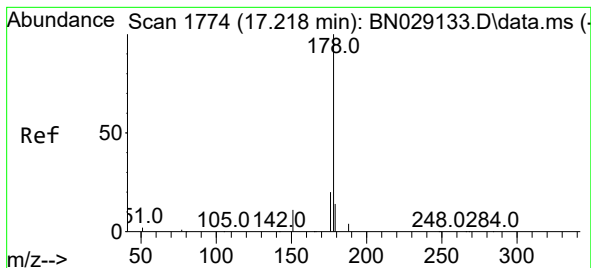
Ion Ratio Lower Upper

266 100

264 58.5 45.0 67.6

268 65.0 55.5 83.3





#25

Phenanthrene

Concen: 0.321 ng

RT: 17.218 min Scan# 1774

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

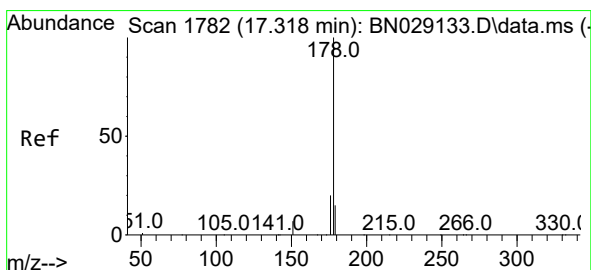
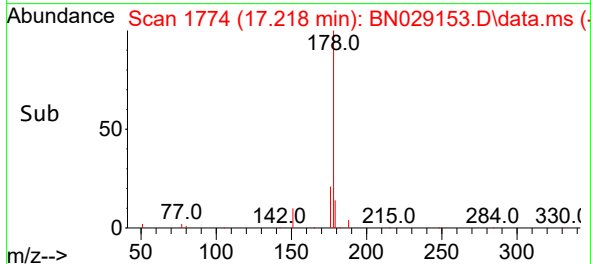
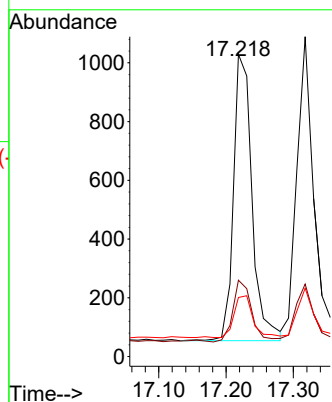
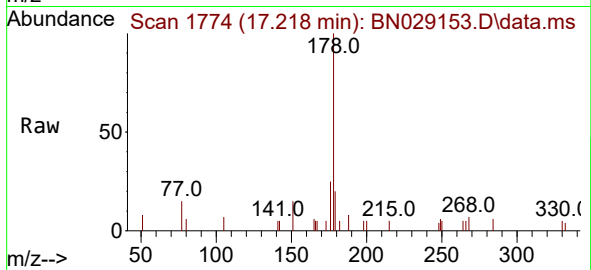
Tgt Ion:178 Resp: 1863

Ion Ratio Lower Upper

178 100

176 21.5 17.4 26.0

179 14.8 13.7 20.5



#26

Anthracene

Concen: 0.319 ng

RT: 17.318 min Scan# 1782

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

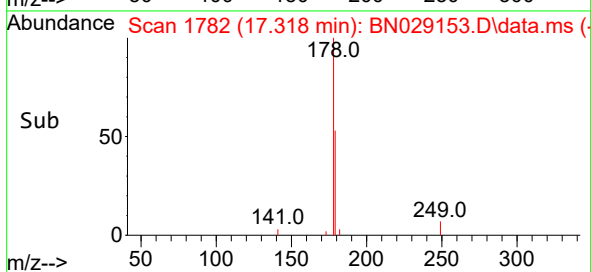
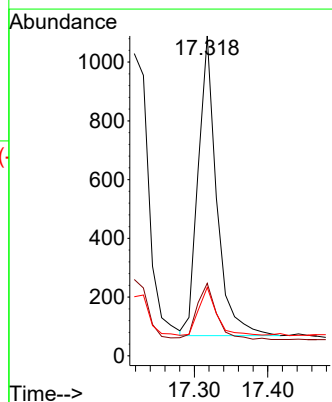
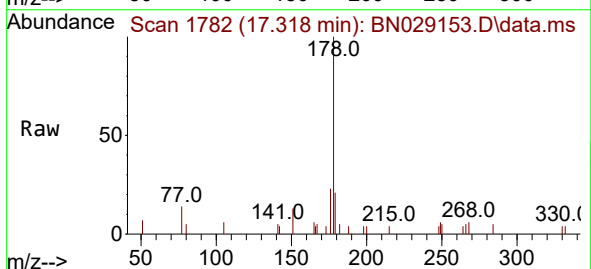
Tgt Ion:178 Resp: 1787

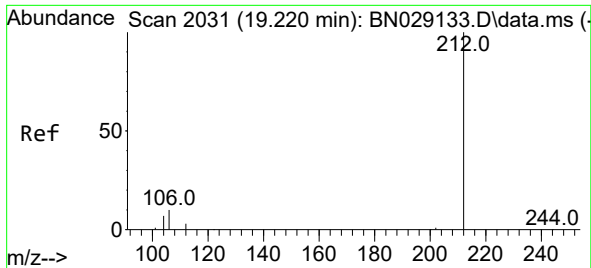
Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

179 15.1 11.4 17.0

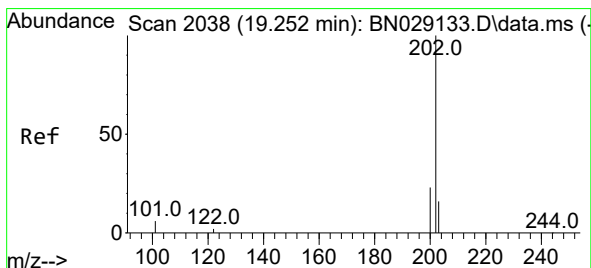
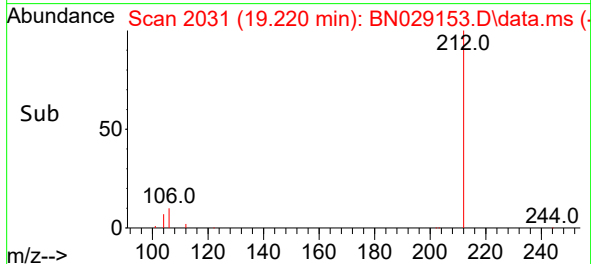
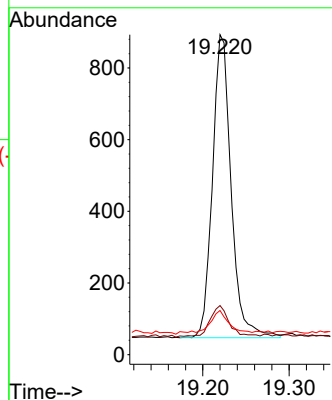
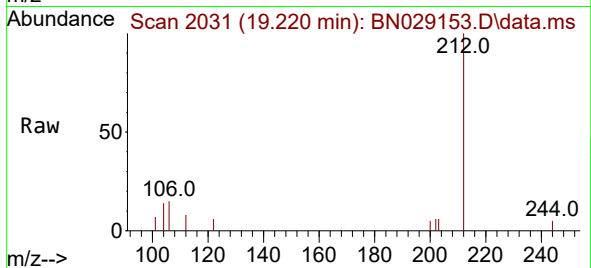




#27  
Fluoranthene-d10  
Concen: 0.375 ng  
RT: 19.220 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

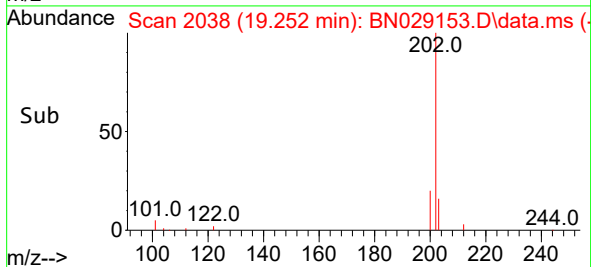
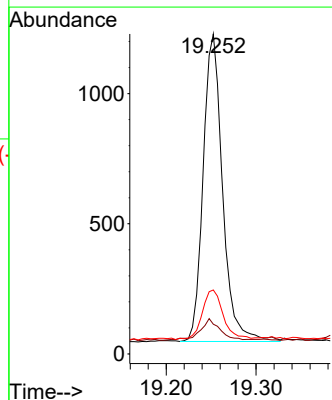
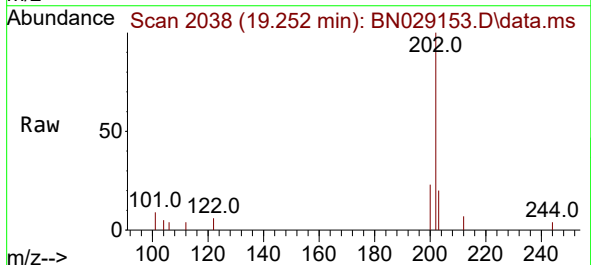
Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD

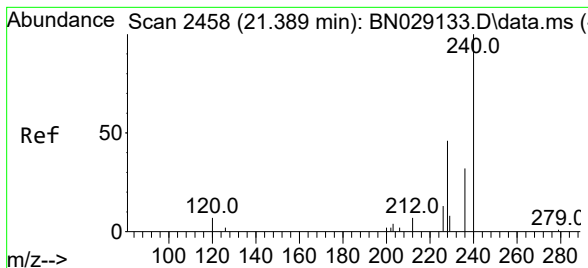
Tgt Ion:212 Resp: 1275  
Ion Ratio Lower Upper  
212 100  
106 10.9 9.6 14.4  
104 8.5 6.5 9.7



#28  
Fluoranthene  
Concen: 0.296 ng  
RT: 19.252 min Scan# 2038  
Delta R.T. -0.000 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

Tgt Ion:202 Resp: 1776  
Ion Ratio Lower Upper  
202 100  
101 6.9 5.3 7.9  
203 17.6 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.394 min Scan# 2459

Delta R.T. 0.005 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

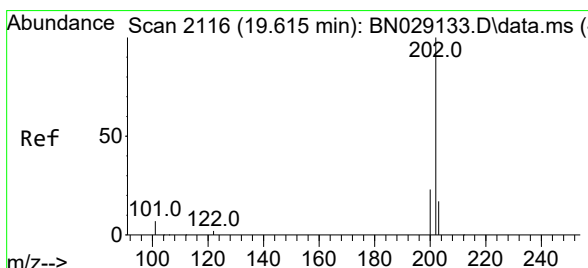
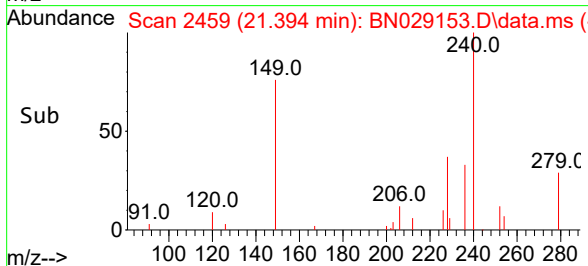
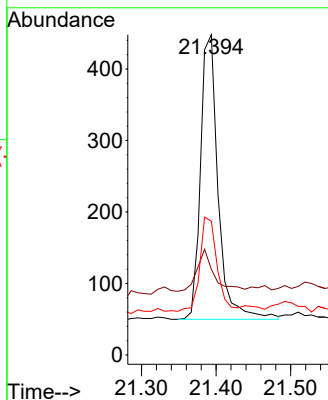
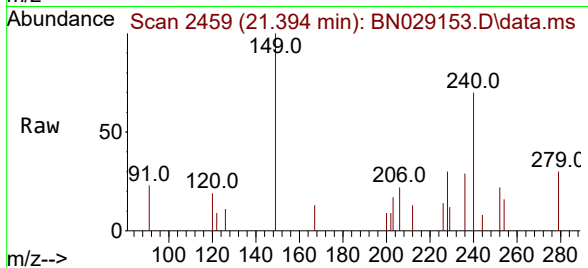
Tgt Ion:240 Resp: 652

Ion Ratio Lower Upper

240 100

120 26.8 21.4 32.0

236 41.7 33.5 50.3



#30

Pyrene

Concen: 0.350 ng

RT: 19.615 min Scan# 2116

Delta R.T. -0.000 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

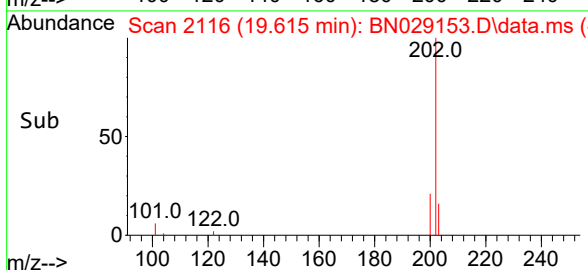
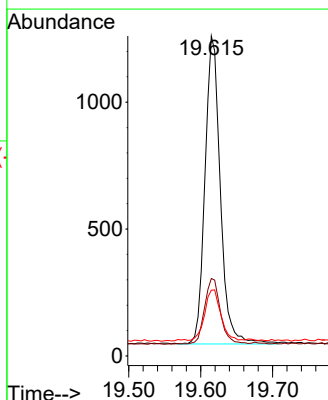
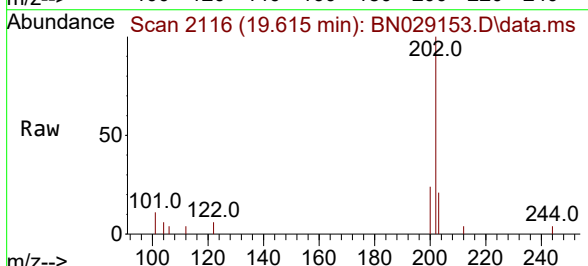
Tgt Ion:202 Resp: 1795

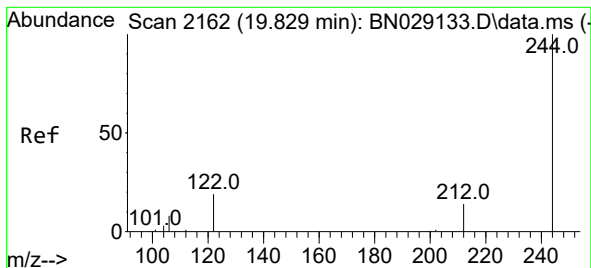
Ion Ratio Lower Upper

202 100

200 21.4 18.0 27.0

203 17.7 15.1 22.7





#31

Terphenyl-d14

Concen: 0.456 ng

RT: 19.833 min Scan# 2162

Delta R.T. 0.005 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

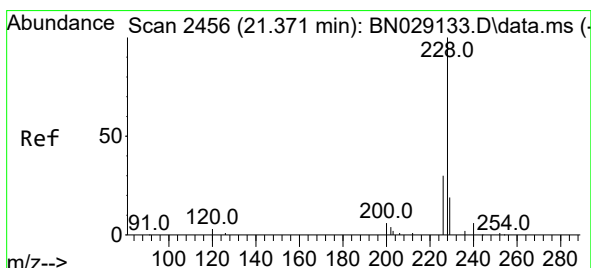
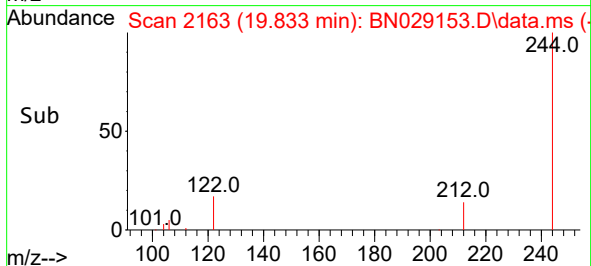
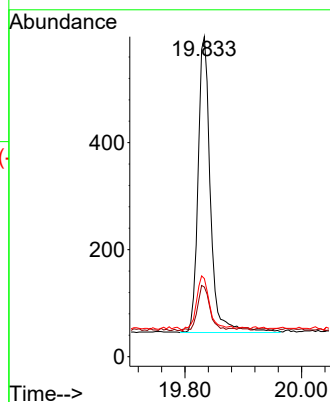
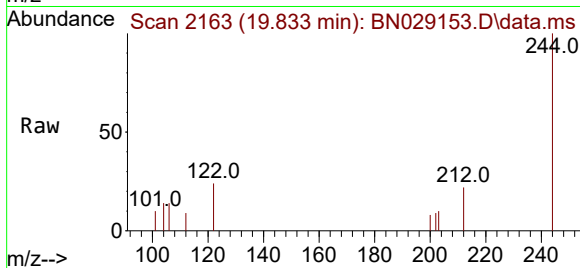
Tgt Ion:244 Resp: 817

Ion Ratio Lower Upper

244 100

212 21.7 19.0 28.6

122 24.4 22.5 33.7



#32

Benzo(a)anthracene

Concen: 0.386 ng

RT: 21.376 min Scan# 2457

Delta R.T. 0.005 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

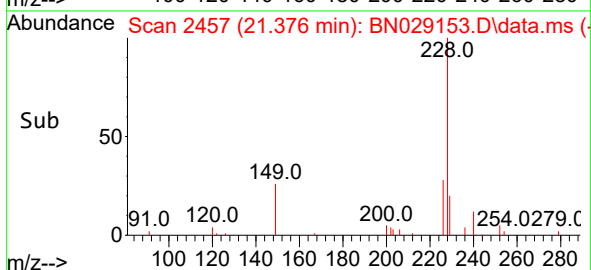
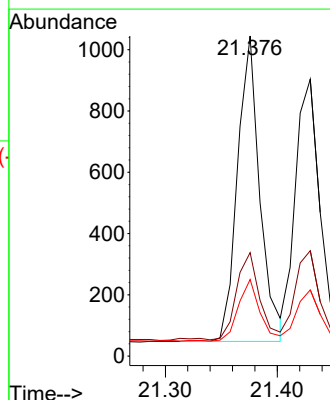
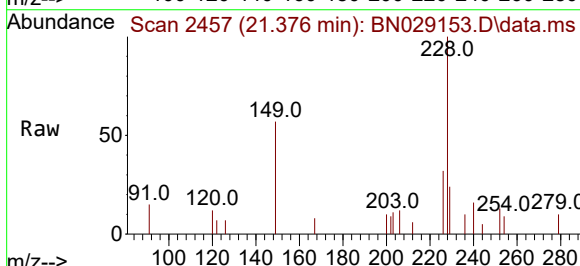
Tgt Ion:228 Resp: 1383

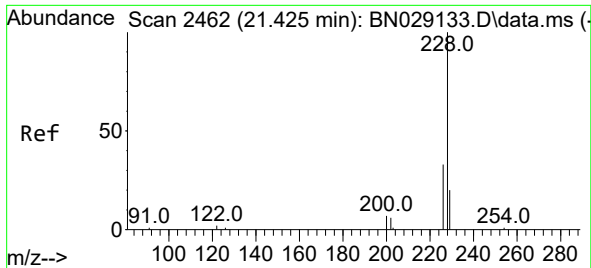
Ion Ratio Lower Upper

228 100

226 32.3 27.6 41.4

229 23.9 19.4 29.0

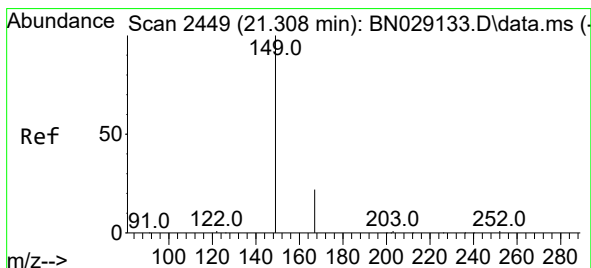
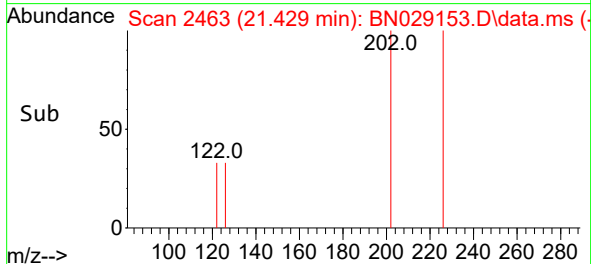
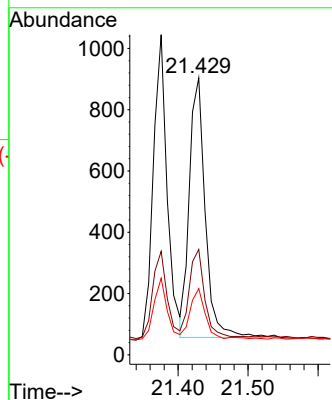
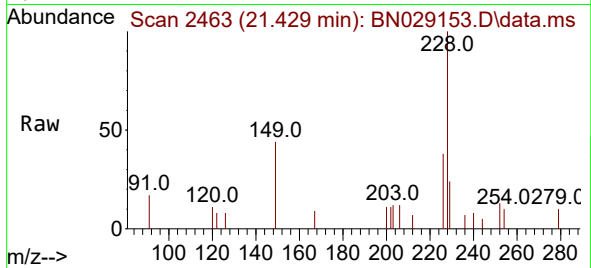




#33  
Chrysene  
Concen: 0.379 ng  
RT: 21.429 min Scan# 2463  
Delta R.T. 0.005 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

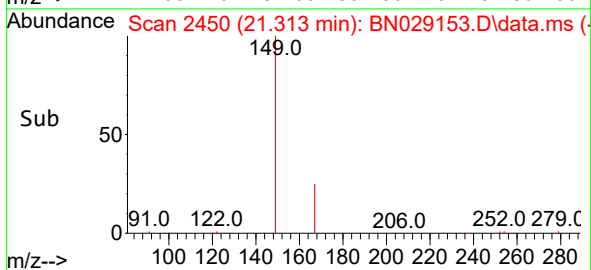
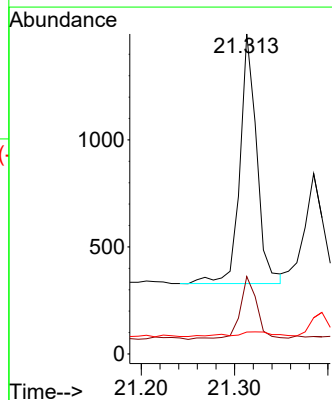
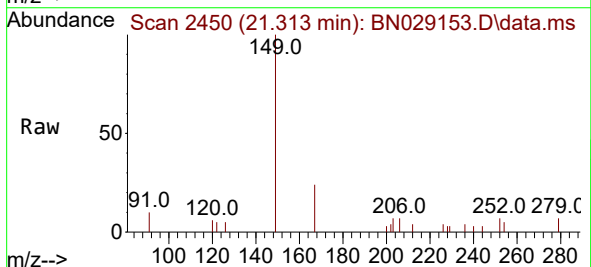
Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD

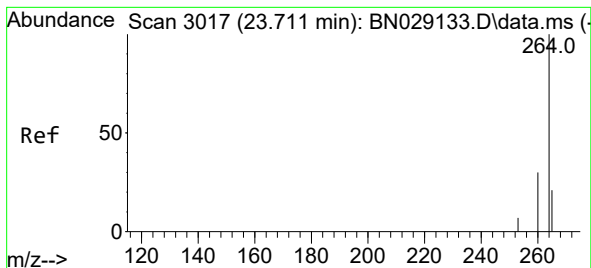
Tgt Ion:228 Resp: 1342  
Ion Ratio Lower Upper  
228 100  
226 38.1 29.2 43.8  
229 23.9 19.3 28.9



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.322 ng  
RT: 21.313 min Scan# 2450  
Delta R.T. 0.005 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

Tgt Ion:149 Resp: 1462  
Ion Ratio Lower Upper  
149 100  
167 26.0 20.2 30.2  
279 3.0 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.712 min Scan# 3017

Delta R.T. 0.001 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

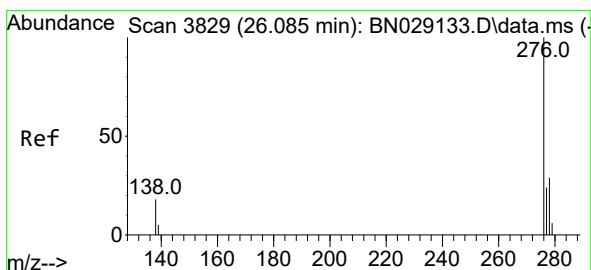
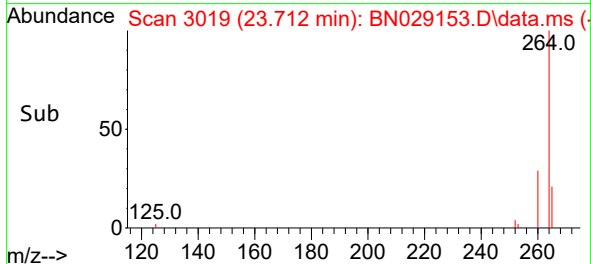
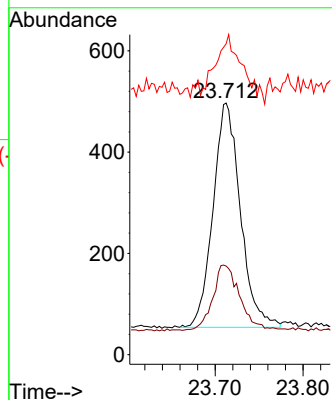
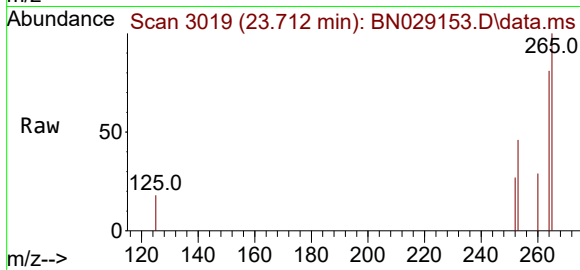
Tgt Ion:264 Resp: 957

Ion Ratio Lower Upper

264 100

260 35.2 31.0 46.6

265 123.5 105.3 157.9



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.421 ng

RT: 26.092 min Scan# 3833

Delta R.T. 0.007 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

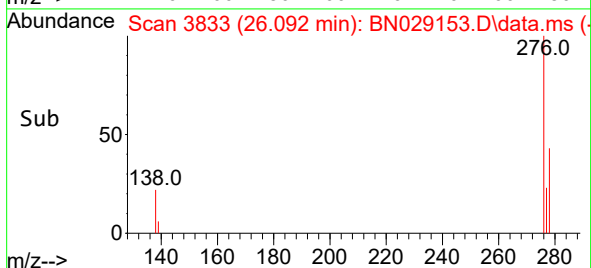
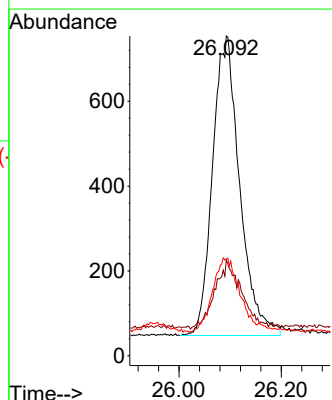
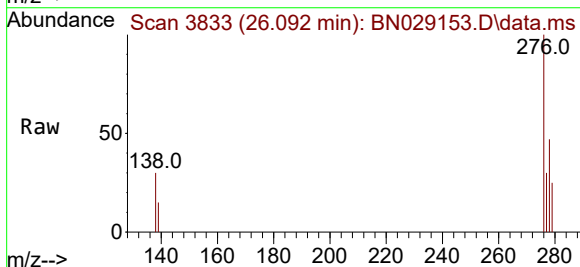
Tgt Ion:276 Resp: 2594

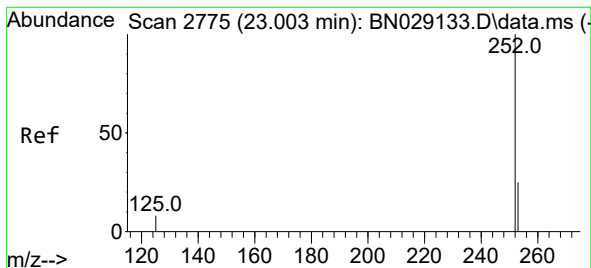
Ion Ratio Lower Upper

276 100

138 21.3 7.8 11.6#

277 24.4 9.2 13.8#





#37

Benzo(b)fluoranthene

Concen: 0.374 ng

RT: 23.008 min Scan# 21

Delta R.T. 0.004 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

Instrument :

BNA\_N

ClientSampleId :

PB157679BSD

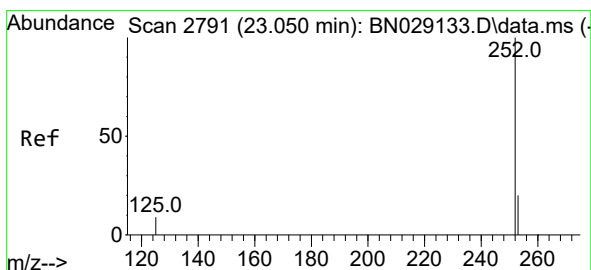
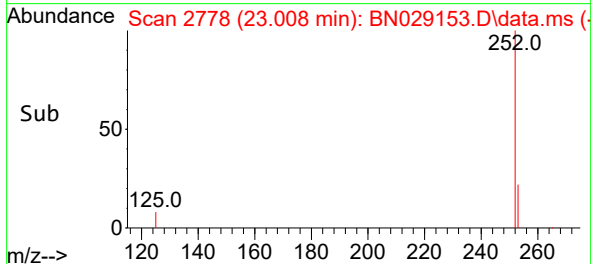
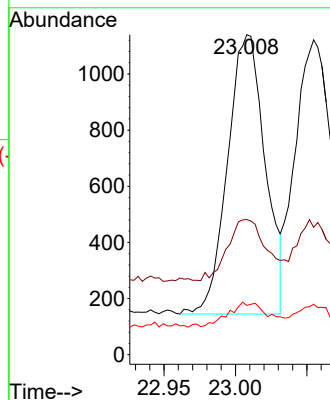
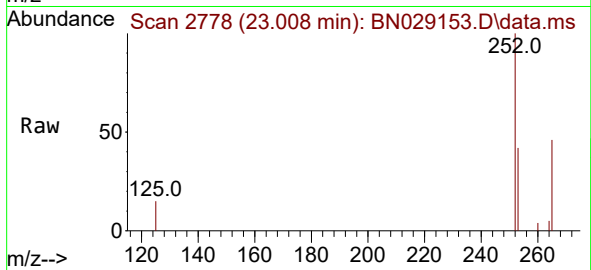
Tgt Ion:252 Resp: 1820

Ion Ratio Lower Upper

252 100

253 42.3 36.0 54.0

125 15.4 14.6 21.8



#38

Benzo(k)fluoranthene

Concen: 0.382 ng

RT: 23.055 min Scan# 2794

Delta R.T. 0.004 min

Lab File: BN029153.D

Acq: 21 Dec 2023 16:46

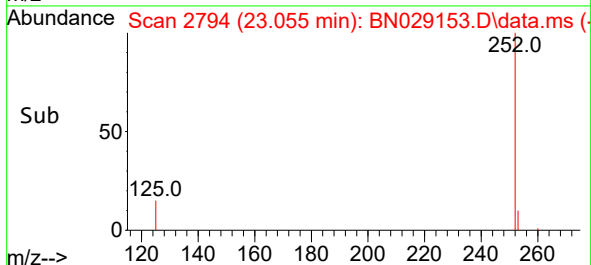
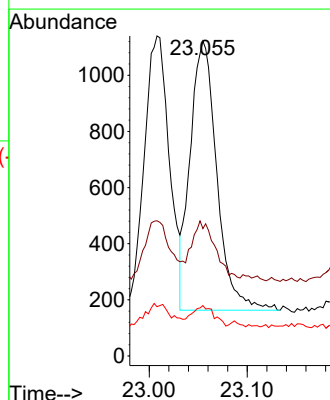
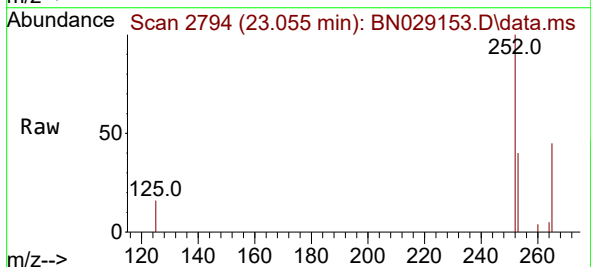
Tgt Ion:252 Resp: 1820

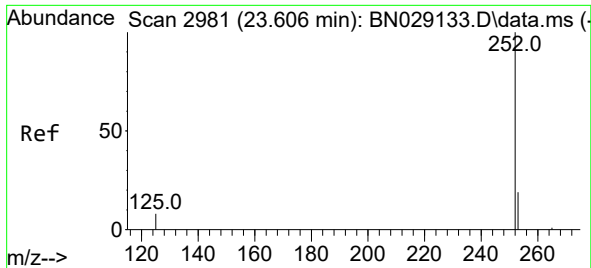
Ion Ratio Lower Upper

252 100

253 40.5 35.0 52.6

125 16.0 14.6 21.8

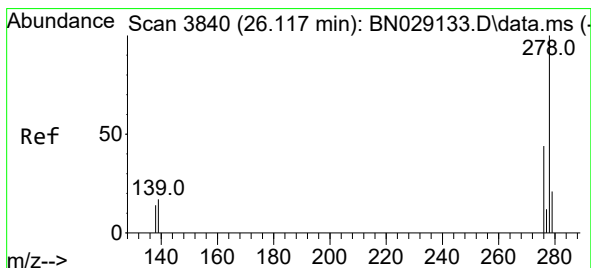
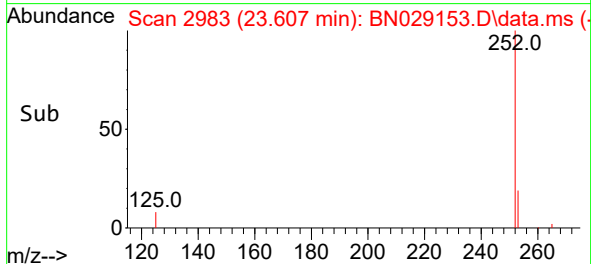
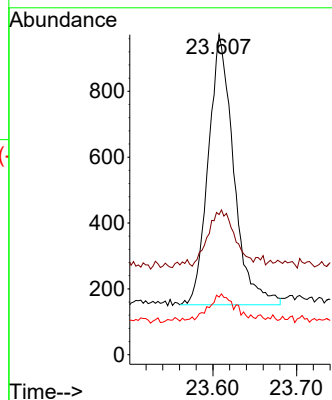
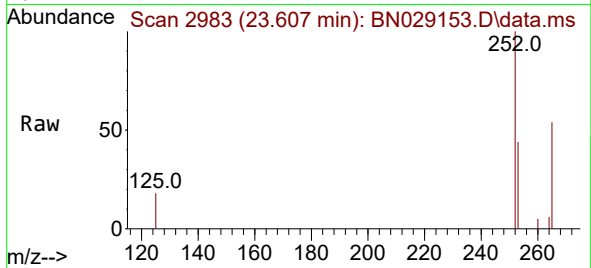




#39  
Benzo(a)pyrene  
Concen: 0.398 ng  
RT: 23.607 min Scan# 2981  
Delta R.T. 0.002 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

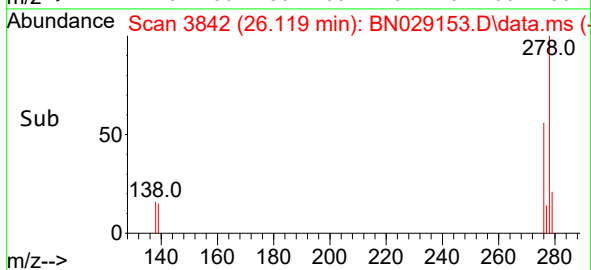
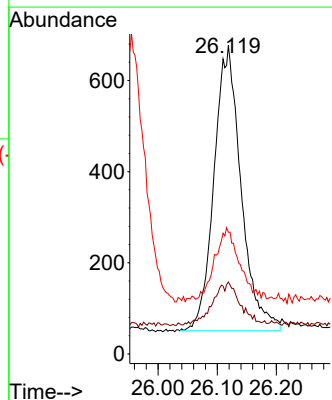
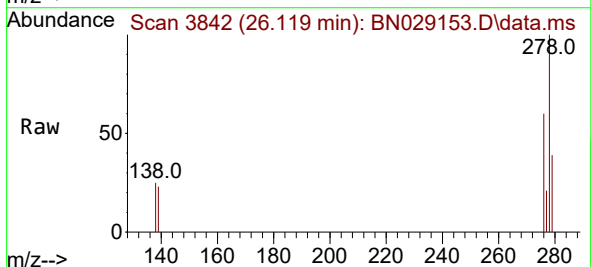
Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD

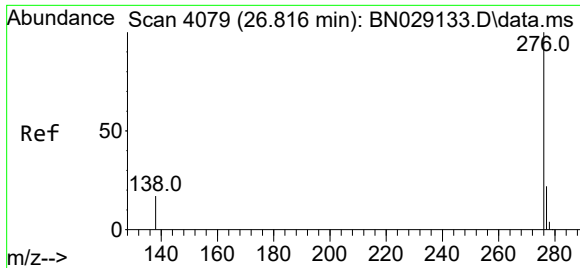
Tgt Ion:252 Resp: 1728  
Ion Ratio Lower Upper  
252 100  
253 43.8 40.3 60.5  
125 18.0 16.7 25.1



#40  
Dibenzo(a,h)anthracene  
Concen: 0.419 ng  
RT: 26.119 min Scan# 3842  
Delta R.T. 0.002 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

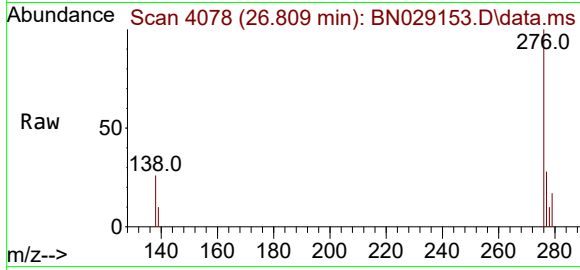
Tgt Ion:278 Resp: 1988  
Ion Ratio Lower Upper  
278 100  
139 23.3 24.2 36.2#  
279 39.4 34.9 52.3





#41  
Benzo(g,h,i)perylene  
Concen: 0.420 ng  
RT: 26.809 min Scan# 4078  
Delta R.T. -0.007 min  
Lab File: BN029153.D  
Acq: 21 Dec 2023 16:46

Instrument :  
BNA\_N  
ClientSampleId :  
PB157679BSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 2193  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 28.3  | 25.5  | 38.3  |
| 138      | 26.1  | 22.9  | 34.3  |

