

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN022324\  
 Data File : BN029963.D  
 Acq On : 23 Feb 2024 19:04  
 Operator : MA/JU  
 Sample : P1507-02  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D4-20240212

Quant Time: Feb 24 02:22:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 16 23:52:05 2024  
 Response via : Initial Calibration

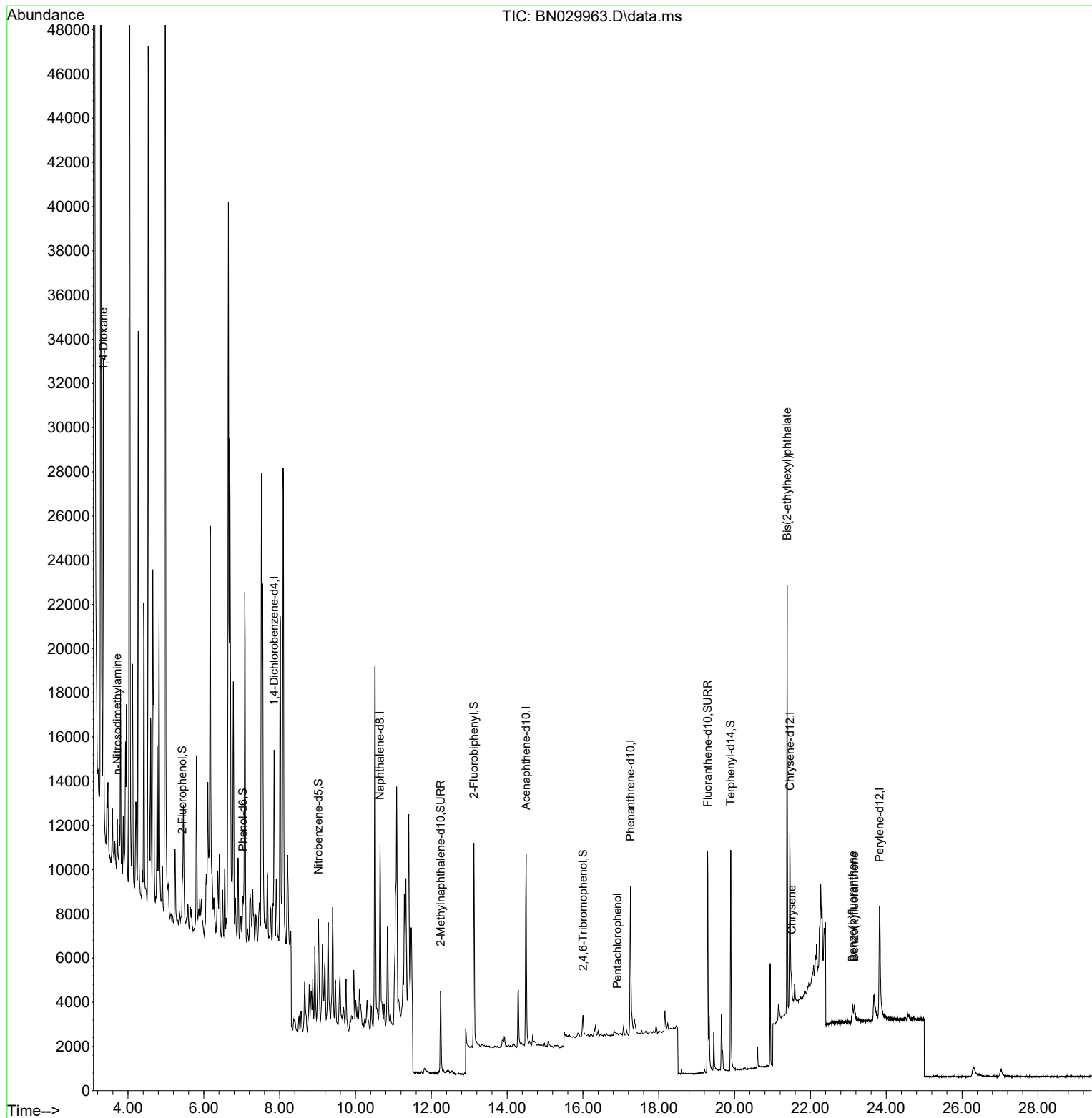
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.854  | 152  | 4565     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.648 | 136  | 11732    | 0.400 | ng    | #-0.02   |
| 13) Acenaphthene-d10          | 14.500 | 164  | 5562     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.255 | 188  | 10809    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.456 | 240  | 9797     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.823 | 264  | 9022     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.435  | 112  | 1526     | 0.139 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.031  | 99   | 1440     | 0.114 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.025  | 82   | 3876     | 0.397 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.246 | 152  | 5655     | 0.354 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 16.002 | 330  | 602      | 0.337 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.121 | 172  | 8858     | 0.371 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.289 | 212  | 12216    | 0.467 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.898 | 244  | 10632    | 0.437 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.355  | 88   | 13084    | 2.036 | ng    | # 92     |
| 3) n-Nitrosodimethylamine     | 3.716  | 42   | 589      | 0.112 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.908 | 266  | 87       | 0.035 | ng    | # 41     |
| 33) Chrysene                  | 21.501 | 228  | 778      | 0.020 | ng    | # 82     |
| 34) Bis(2-ethylhexyl)phtha... | 21.384 | 149  | 16701    | 0.732 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.110 | 252  | 1173     | 0.036 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 23.157 | 252  | 1023     | 0.030 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

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

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Sample : P1507-02  
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ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
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RE134D4-20240212

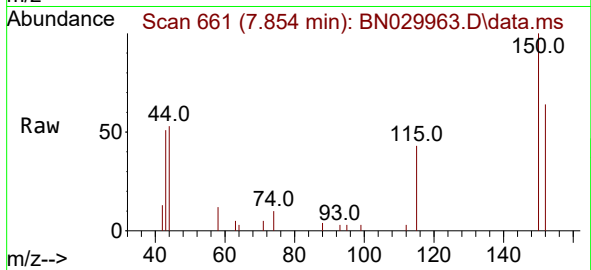
Quant Time: Feb 24 02:22:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN012924.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 16 23:52:05 2024  
Response via : Initial Calibration



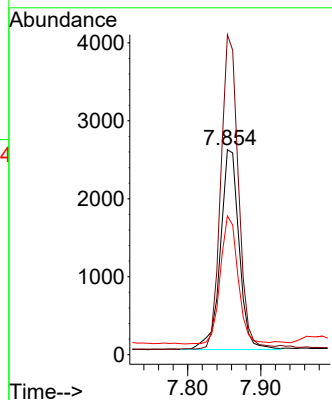
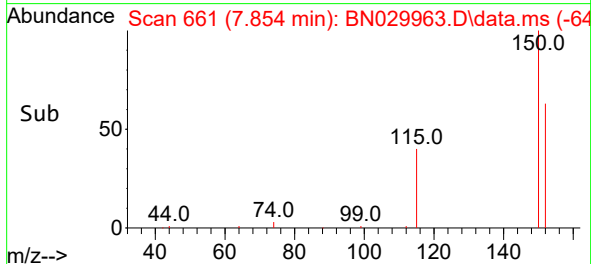


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.854 min Scan# 6  
Delta R.T. -0.015 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20240212

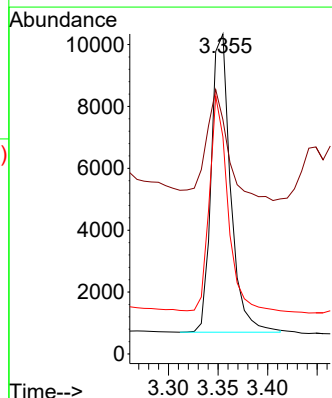
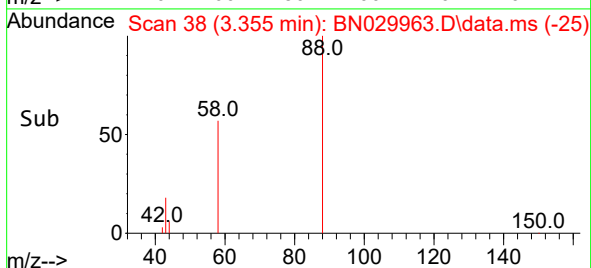
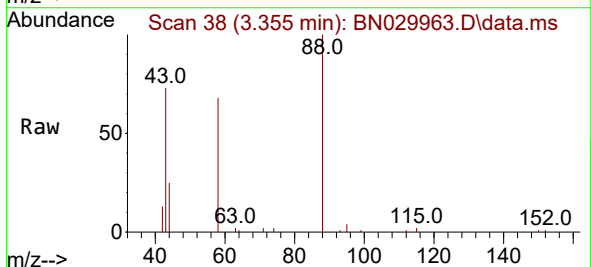


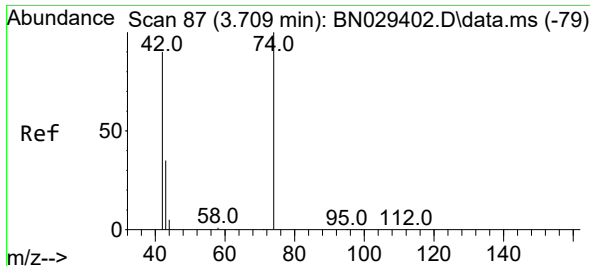
Tgt Ion:152 Resp: 4565  
Ion Ratio Lower Upper  
152 100  
150 156.1 123.0 184.4  
115 67.7 51.4 77.0



#2  
1,4-Dioxane  
Concen: 2.036 ng  
RT: 3.355 min Scan# 38  
Delta R.T. -0.007 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Tgt Ion: 88 Resp: 13084  
Ion Ratio Lower Upper  
88 100  
43 42.5 23.3 34.9#  
58 67.8 53.8 80.6

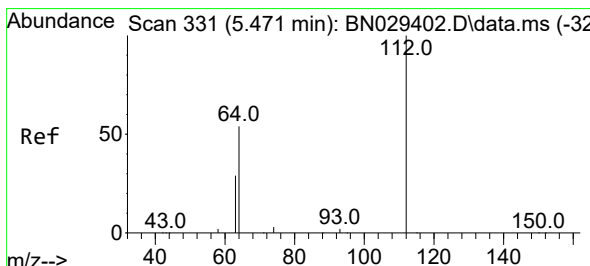
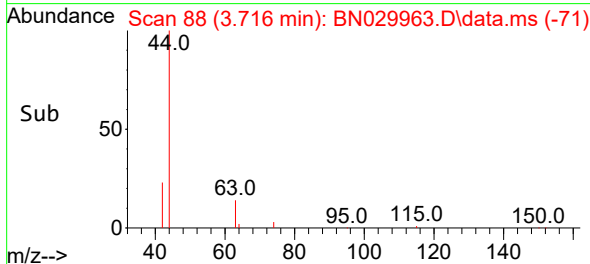
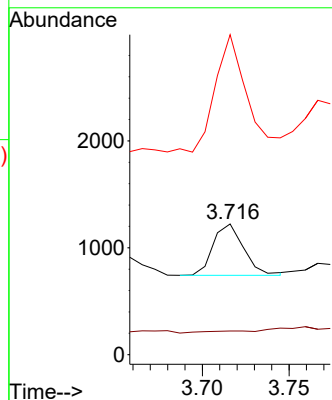
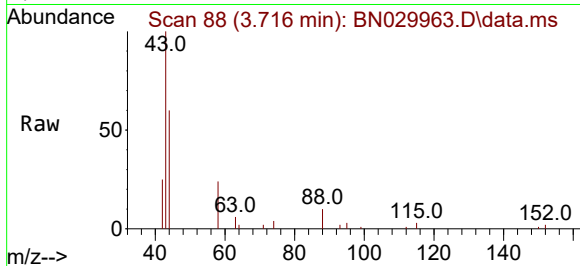




#3  
n-Nitrosodimethylamine  
Concen: 0.112 ng  
RT: 3.716 min Scan# 81  
Delta R.T. 0.022 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

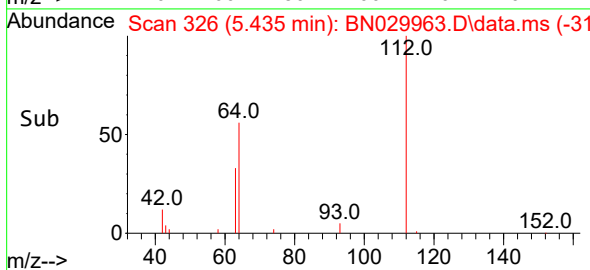
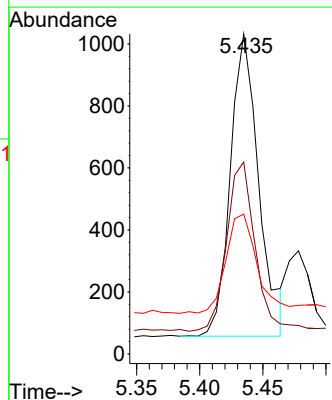
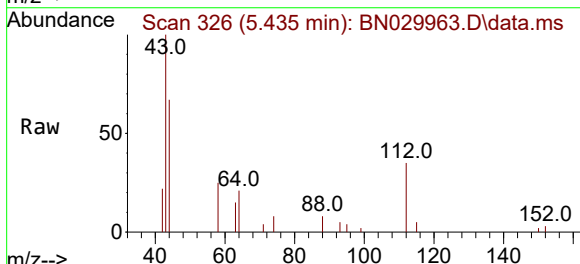
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20240212

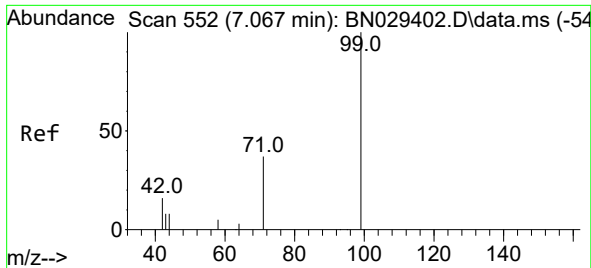
Tgt Ion: 42 Resp: 589  
Ion Ratio Lower Upper  
42 100  
74 0.0 93.7 140.5#  
44 238.9 13.0 19.4#



#4  
2-Fluorophenol  
Concen: 0.139 ng  
RT: 5.435 min Scan# 326  
Delta R.T. -0.007 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

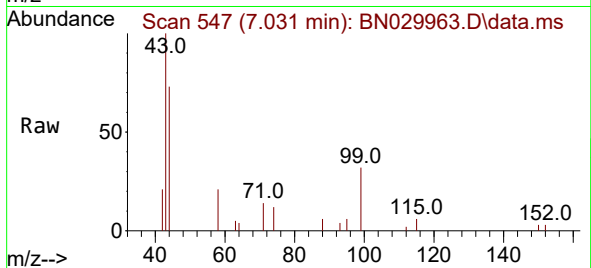
Tgt Ion: 112 Resp: 1526  
Ion Ratio Lower Upper  
112 100  
64 56.9 47.2 70.8  
63 36.1 25.8 38.6



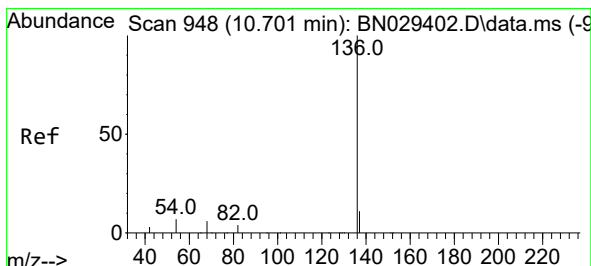
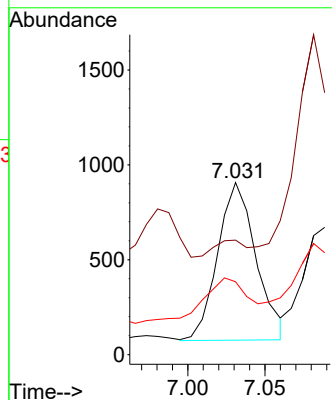
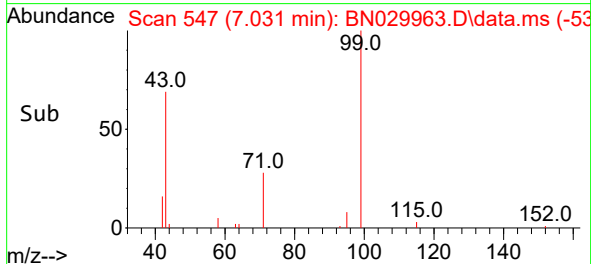


#5  
Phenol-d6  
Concen: 0.114 ng  
RT: 7.031 min Scan# 54  
Delta R.T. -0.007 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20240212

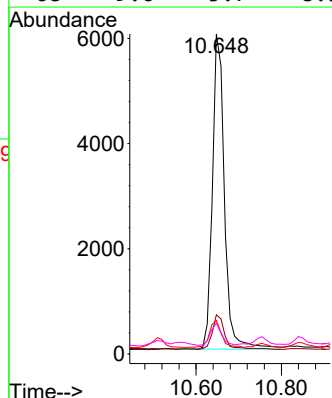
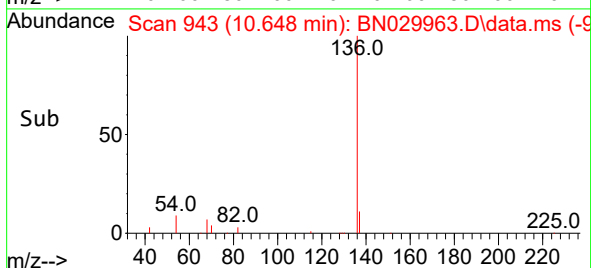
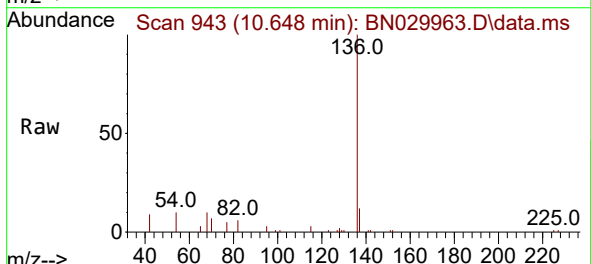


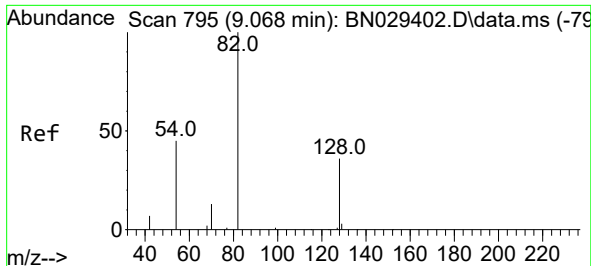
Tgt Ion: 99 Resp: 1440  
Ion Ratio Lower Upper  
99 100  
42 13.4 16.9 25.3#  
71 41.7 30.0 45.0



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 943  
Delta R.T. -0.021 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Tgt Ion: 136 Resp: 11732  
Ion Ratio Lower Upper  
136 100  
137 12.2 9.7 14.5  
54 10.4 6.6 10.0#  
68 9.6 5.7 8.5#

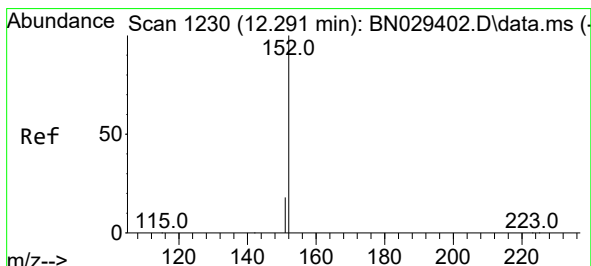
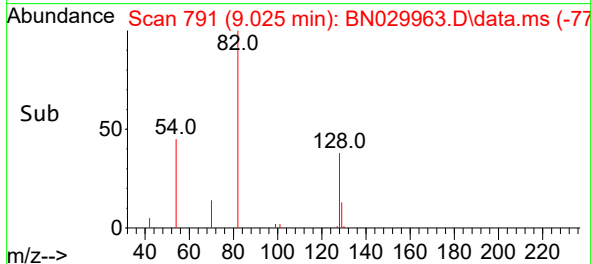
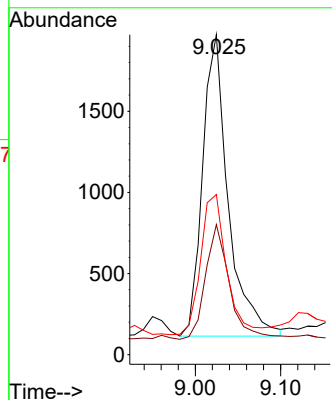
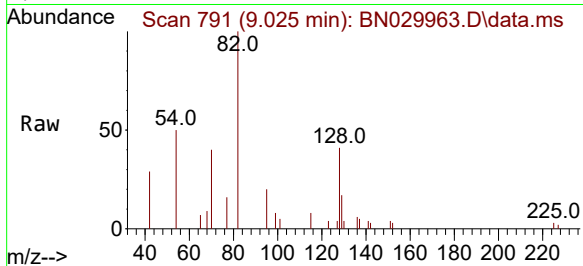




#8  
Nitrobenzene-d5  
Concen: 0.397 ng  
RT: 9.025 min Scan# 795  
Delta R.T. -0.011 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

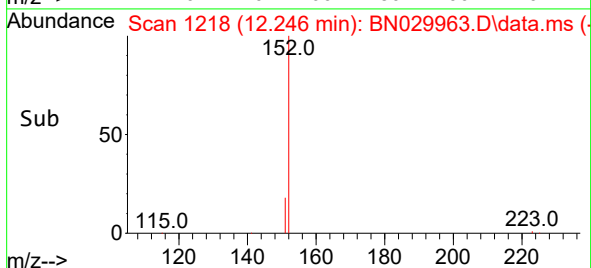
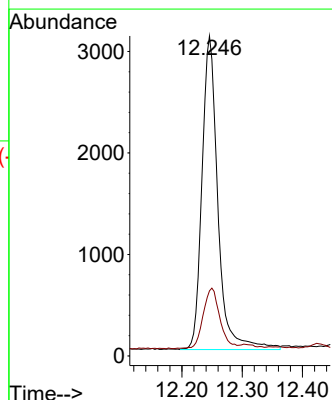
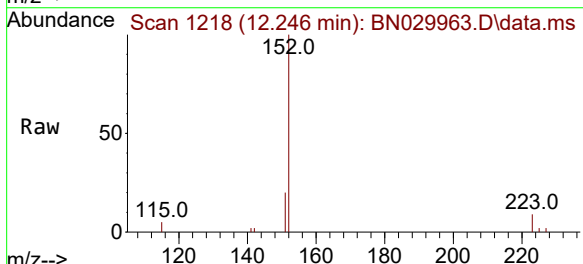
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20240212

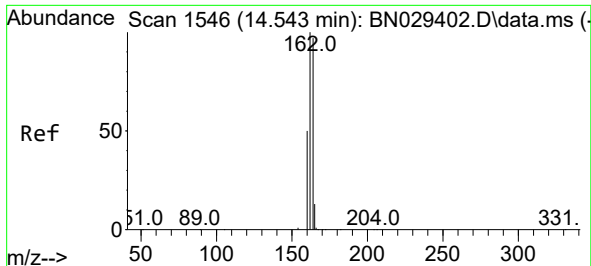
Tgt Ion: 82 Resp: 3876  
Ion Ratio Lower Upper  
82 100  
128 40.7 31.6 47.4  
54 50.1 38.2 57.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.354 ng  
RT: 12.246 min Scan# 1218  
Delta R.T. -0.011 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Tgt Ion: 152 Resp: 5655  
Ion Ratio Lower Upper  
152 100  
151 20.2 17.1 25.7

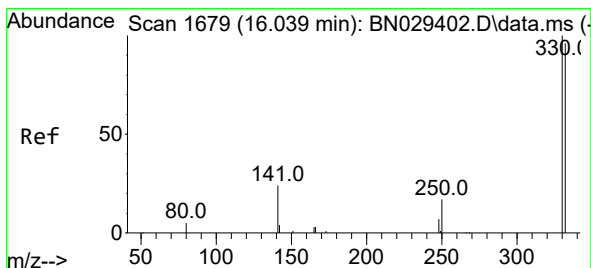
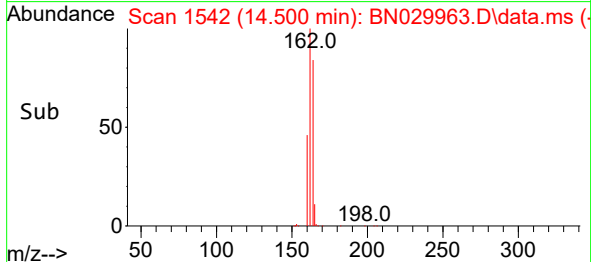
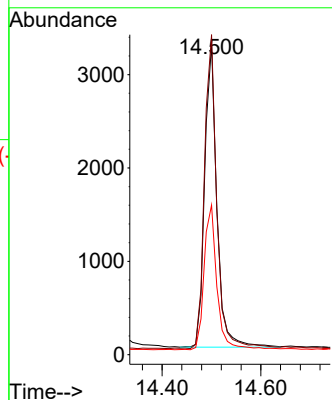
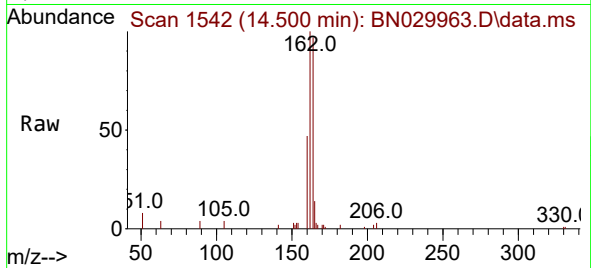




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.500 min Scan# 1  
Delta R.T. -0.011 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

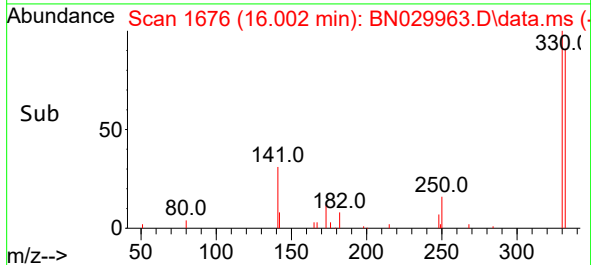
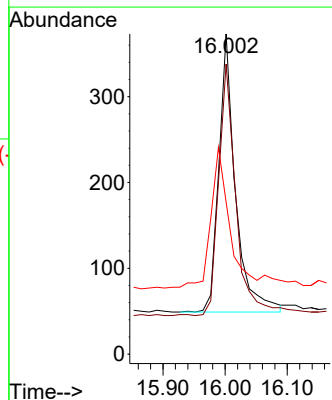
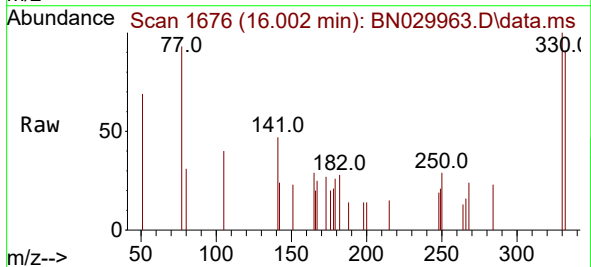
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20240212

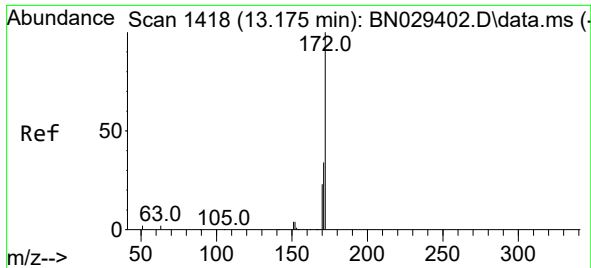
Tgt Ion:164 Resp: 5562  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.6 123.8  
160 48.2 41.5 62.3



#14  
2,4,6-Tribromophenol  
Concen: 0.337 ng  
RT: 16.002 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Tgt Ion:330 Resp: 602  
Ion Ratio Lower Upper  
330 100  
332 92.7 76.0 114.0  
141 54.3 43.4 65.2

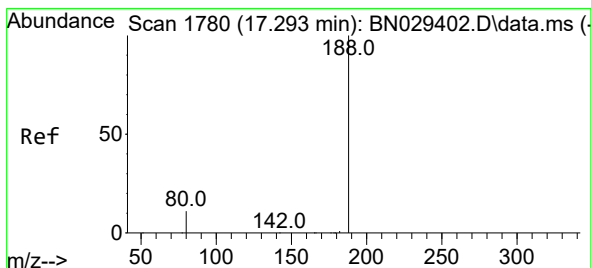
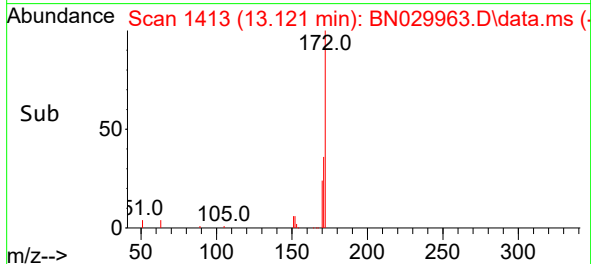
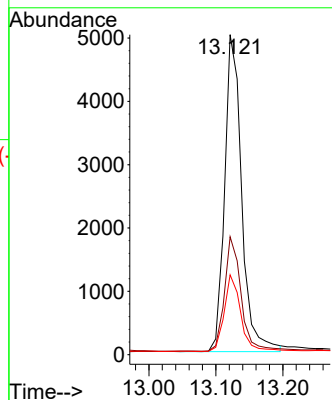
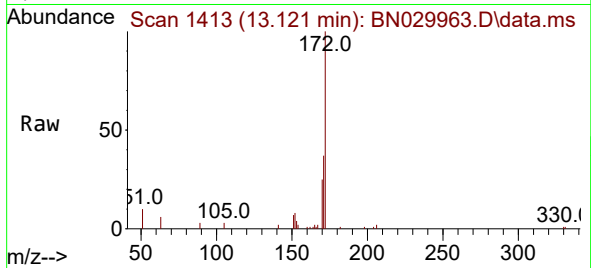




#15  
2-Fluorobiphenyl  
Concen: 0.371 ng  
RT: 13.121 min Scan# 1418  
Delta R.T. -0.011 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

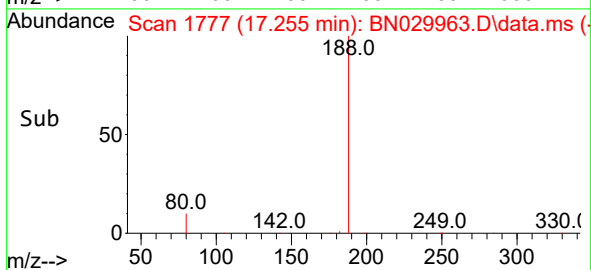
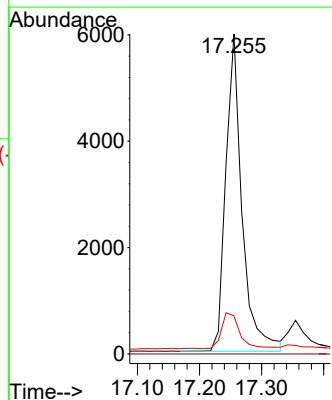
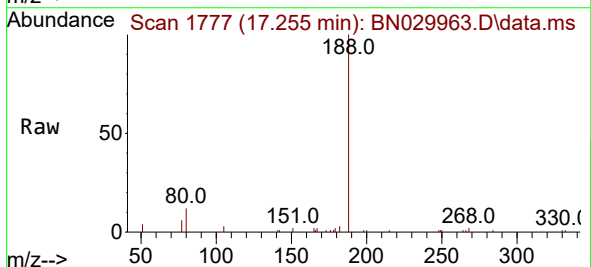
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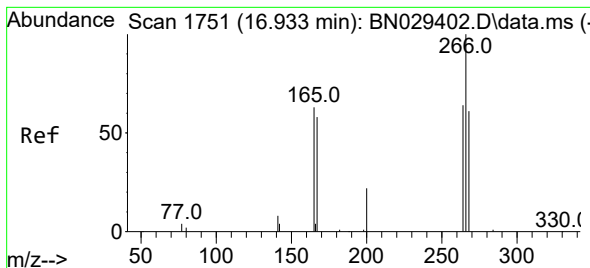
Tgt Ion:172 Resp: 8858  
Ion Ratio Lower Upper  
172 100  
171 36.9 28.0 42.0  
170 24.9 18.7 28.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.255 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Tgt Ion:188 Resp: 10809  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.9 10.0 15.0





#24

Pentachlorophenol

Concen: 0.035 ng

RT: 16.908 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20240212

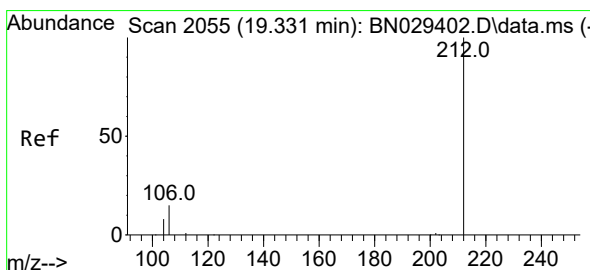
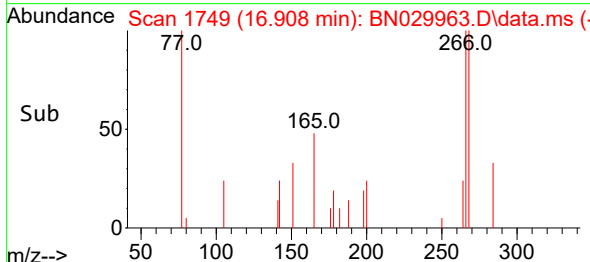
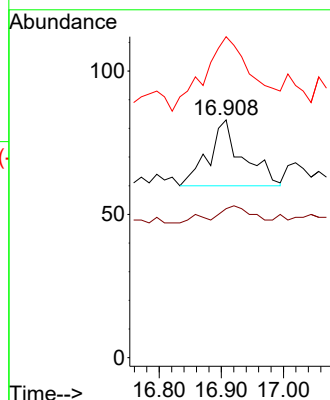
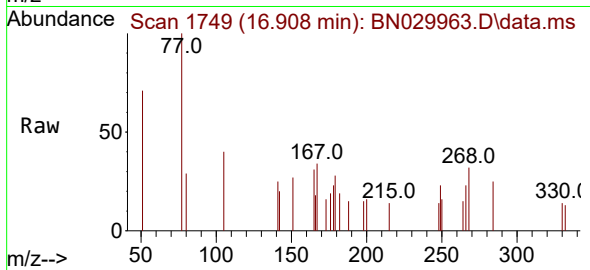
Tgt Ion:266 Resp: 87

Ion Ratio Lower Upper

266 100

264 19.5 50.8 76.2#

268 112.6 51.5 77.3#



#27

Fluoranthene-d10

Concen: 0.467 ng

RT: 19.289 min Scan# 2046

Delta R.T. -0.009 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

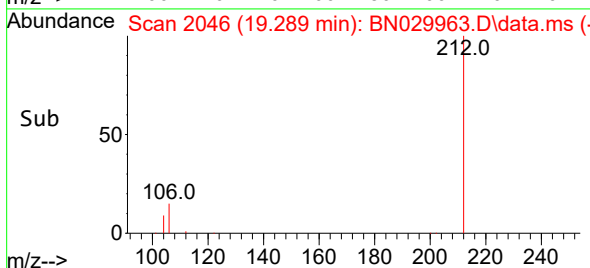
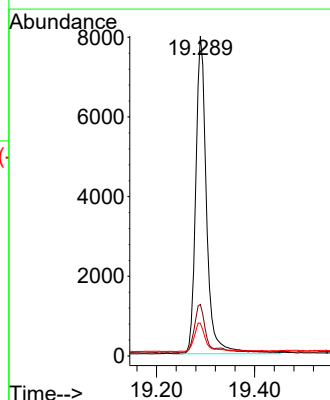
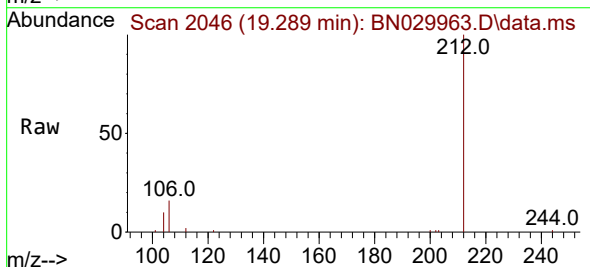
Tgt Ion:212 Resp: 12216

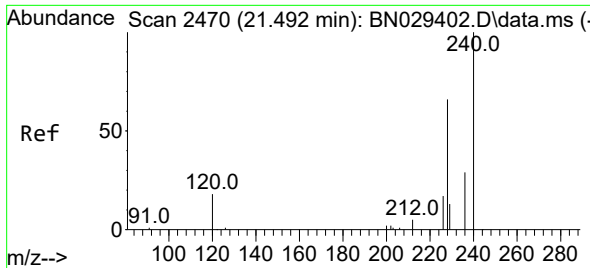
Ion Ratio Lower Upper

212 100

106 14.9 13.2 19.8

104 9.8 7.7 11.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.456 min Scan# 2466

Delta R.T. -0.009 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20240212

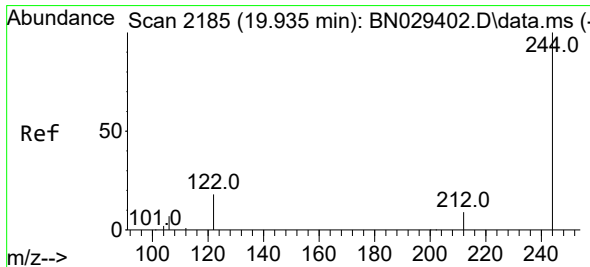
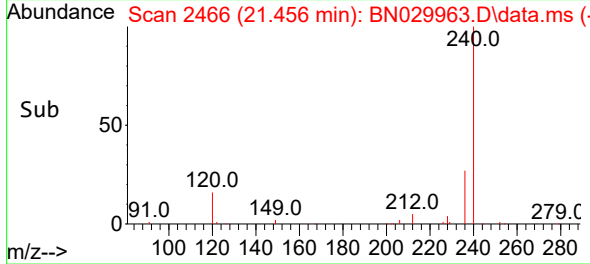
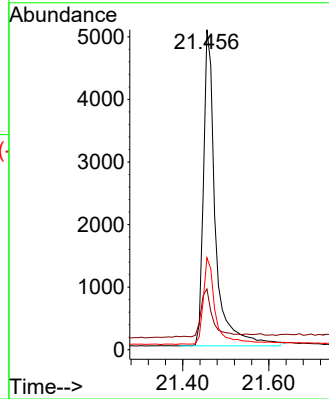
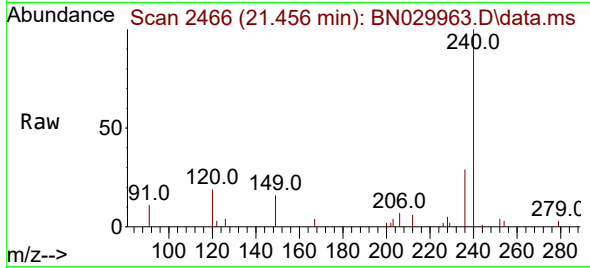
Tgt Ion:240 Resp: 9797

Ion Ratio Lower Upper

240 100

120 19.0 16.7 25.1

236 28.8 23.9 35.9



#31

Terphenyl-d14

Concen: 0.437 ng

RT: 19.898 min Scan# 2177

Delta R.T. -0.009 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

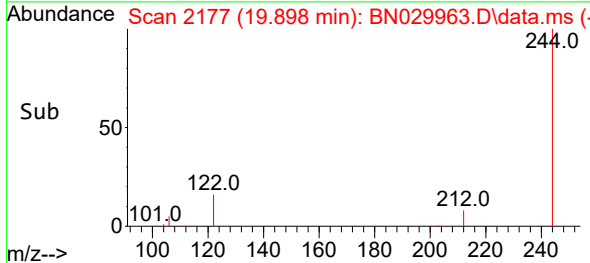
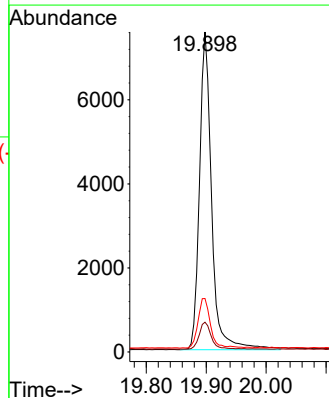
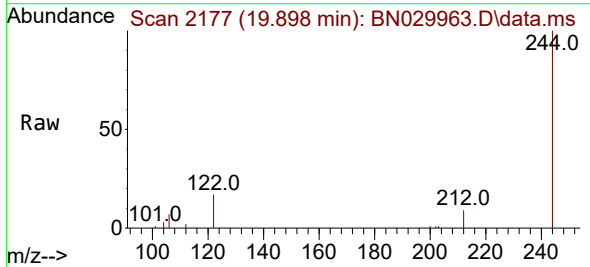
Tgt Ion:244 Resp: 10632

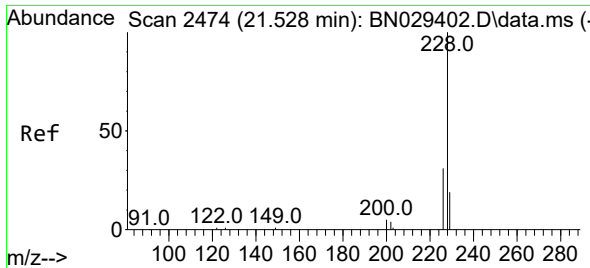
Ion Ratio Lower Upper

244 100

212 9.3 8.2 12.4

122 16.7 15.6 23.4





#33

Chrysene

Concen: 0.020 ng

RT: 21.501 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20240212

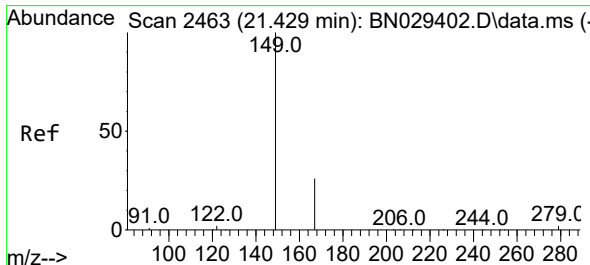
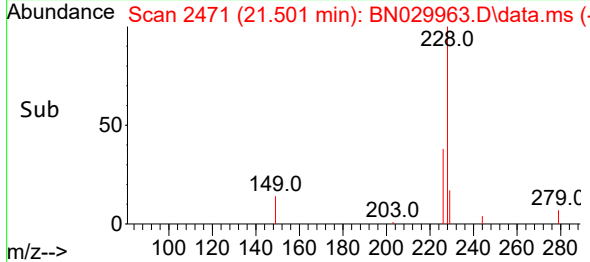
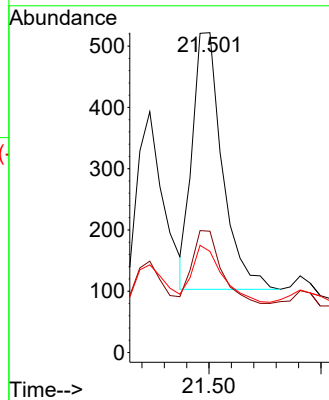
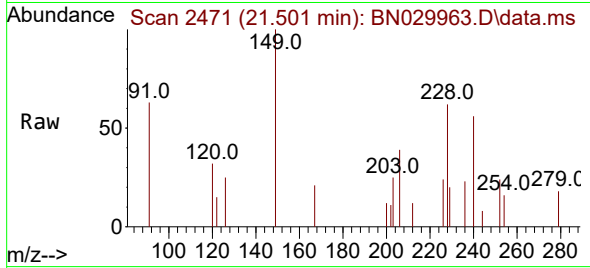
Tgt Ion:228 Resp: 778

Ion Ratio Lower Upper

228 100

226 37.9 24.9 37.3#

229 31.6 15.9 23.9#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.732 ng

RT: 21.384 min Scan# 2458

Delta R.T. -0.009 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

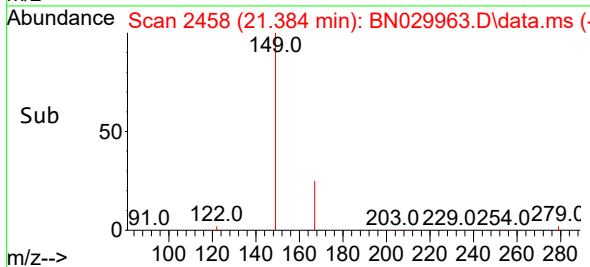
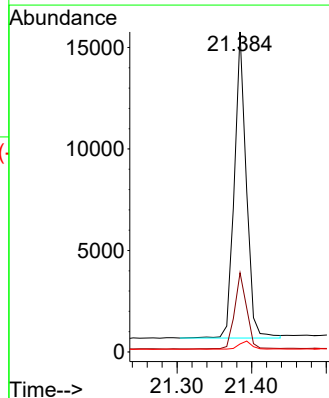
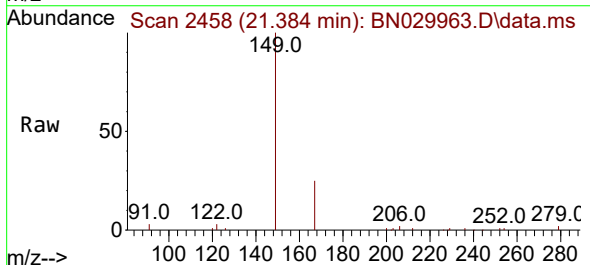
Tgt Ion:149 Resp: 16701

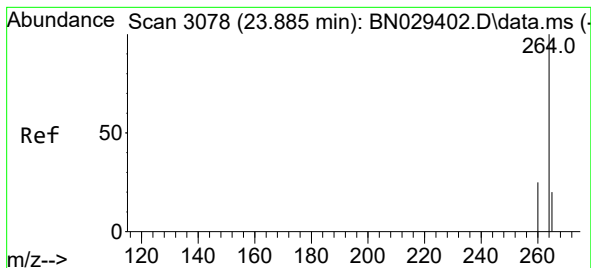
Ion Ratio Lower Upper

149 100

167 25.3 20.1 30.1

279 2.9 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.823 min Scan# 3078

Delta R.T. -0.009 min

Lab File: BN029963.D

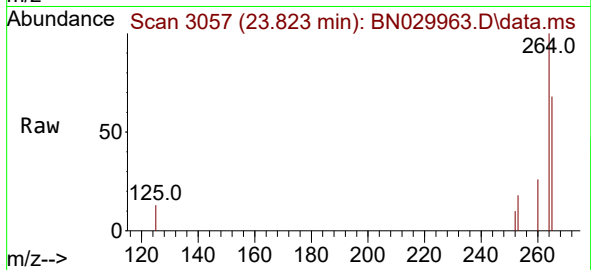
Acq: 23 Feb 2024 19:04

Instrument :

BNA\_N

ClientSampleId :

RE134D4-20240212



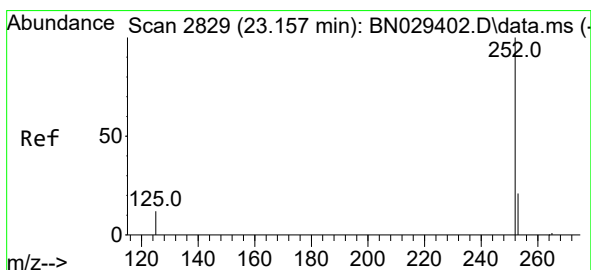
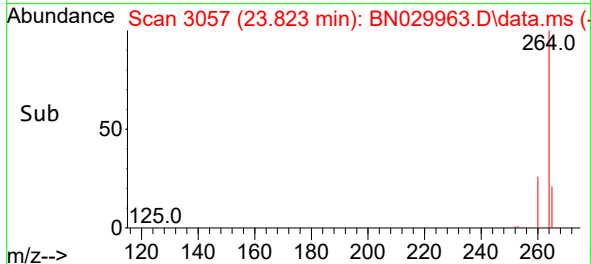
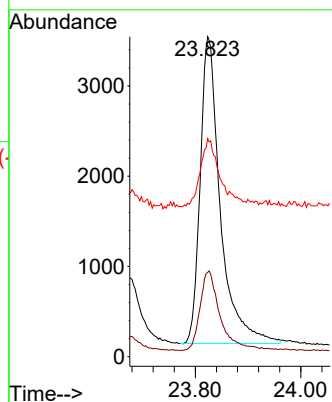
Tgt Ion:264 Resp: 9022

Ion Ratio Lower Upper

264 100

260 26.4 21.2 31.8

265 68.1 41.5 62.3#



#37

Benzo(b)fluoranthene

Concen: 0.036 ng

RT: 23.110 min Scan# 2813

Delta R.T. -0.000 min

Lab File: BN029963.D

Acq: 23 Feb 2024 19:04

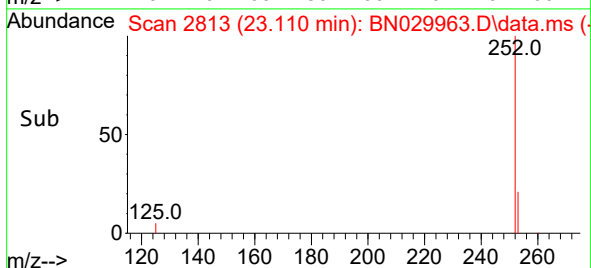
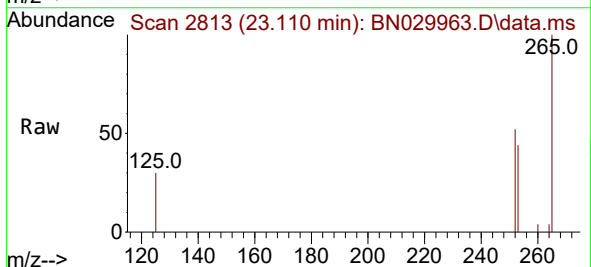
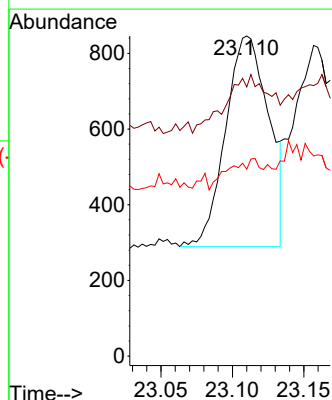
Tgt Ion:252 Resp: 1173

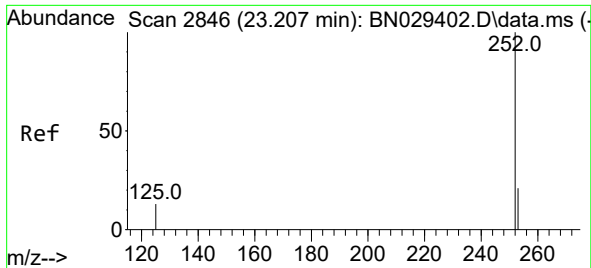
Ion Ratio Lower Upper

252 100

253 84.0 21.7 32.5#

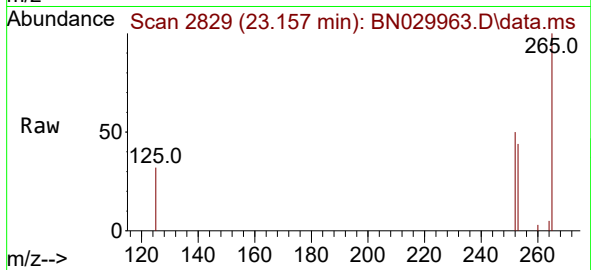
125 58.4 13.3 19.9#





#38  
Benzo(k)fluoranthene  
Concen: 0.030 ng  
RT: 23.157 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: BN029963.D  
Acq: 23 Feb 2024 19:04

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D4-20240212



Tgt Ion:252 Resp: 1023  
Ion Ratio Lower Upper  
252 100  
253 87.1 21.8 32.8#  
125 64.4 13.9 20.9#

