

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
 Data File : BN032090.D  
 Acq On : 20 Jun 2024 04:29  
 Operator : MA/JU  
 Sample : PB161445BSD  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB161445BSD

Quant Time: Jun 20 04:53:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 11:30:34 2024  
 Response via : Initial Calibration

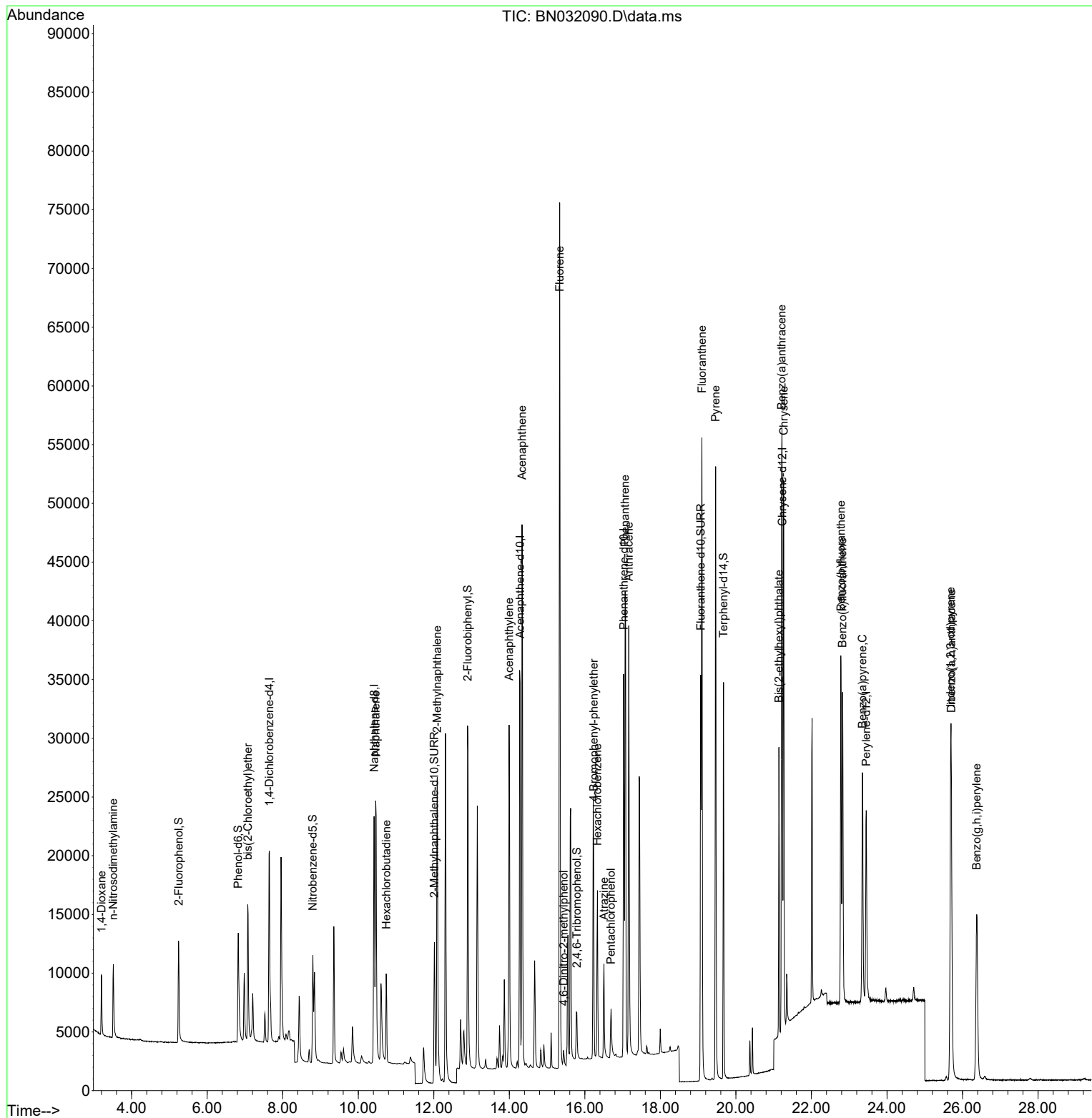
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.646  | 152  | 9184     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.421 | 136  | 32799    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.285 | 164  | 22204    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.029 | 188  | 46232    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.229 | 240  | 28904    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.449 | 264  | 23566    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.248  | 112  | 8453     | 0.324 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.823  | 99   | 11820    | 0.345 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.798  | 82   | 9002     | 0.330 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.017 | 152  | 20931    | 0.401 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.787 | 330  | 3012     | 0.283 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.895 | 172  | 32099    | 0.381 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.068 | 212  | 42658    | 0.339 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.672 | 244  | 33713    | 0.477 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.204  | 88   | 3889     | 0.346 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.515  | 42   | 3541     | 0.331 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether    | 7.075  | 93   | 10158    | 0.345 | ng    | 99       |
| 9) Naphthalene                | 10.464 | 128  | 33962    | 0.385 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.741 | 225  | 6075     | 0.394 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.092 | 142  | 24295    | 0.403 | ng    | 99       |
| 16) Acenaphthylene            | 13.996 | 152  | 34437    | 0.336 | ng    | 100      |
| 17) Acenaphthene              | 14.338 | 154  | 24676    | 0.375 | ng    | 99       |
| 18) Fluorene                  | 15.333 | 166  | 32569    | 0.370 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.439 | 198  | 1538     | 0.333 | ng    | # 80     |
| 21) 4-Bromophenyl-phenylether | 16.234 | 248  | 10469    | 0.399 | ng    | # 92     |
| 22) Hexachlorobenzene         | 16.333 | 284  | 11475    | 0.422 | ng    | 99       |
| 23) Atrazine                  | 16.507 | 200  | 7195     | 0.300 | ng    | 96       |
| 24) Pentachlorophenol         | 16.693 | 266  | 2972     | 0.342 | ng    | 100      |
| 25) Phenanthrene              | 17.066 | 178  | 49759    | 0.388 | ng    | 99       |
| 26) Anthracene                | 17.165 | 178  | 41961    | 0.352 | ng    | 100      |
| 28) Fluoranthene              | 19.100 | 202  | 53357    | 0.343 | ng    | 99       |
| 30) Pyrene                    | 19.463 | 202  | 52123    | 0.454 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.211 | 228  | 38452    | 0.353 | ng    | 100      |
| 33) Chrysene                  | 21.265 | 228  | 40278    | 0.391 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 21259    | 0.286 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.686 | 276  | 37050    | 0.421 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 22.779 | 252  | 37212    | 0.433 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 22.823 | 252  | 36106    | 0.445 | ng    | 99       |
| 39) Benzo(a)pyrene            | 23.352 | 252  | 29809    | 0.402 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 25.703 | 278  | 29774    | 0.430 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.376 | 276  | 31921    | 0.429 | ng    | 99       |

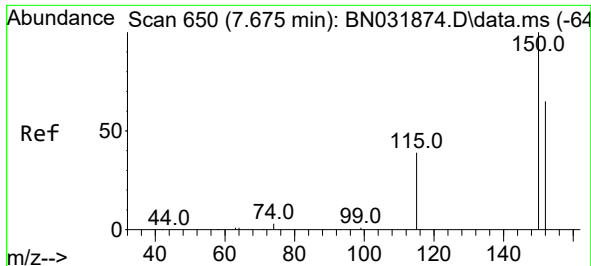
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061924\  
Data File : BN032090.D  
Acq On : 20 Jun 2024 04:29  
Operator : MA/JU  
Sample : PB161445BSD  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

Quant Time: Jun 20 04:53:57 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN061024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 19 11:30:34 2024  
Response via : Initial Calibration

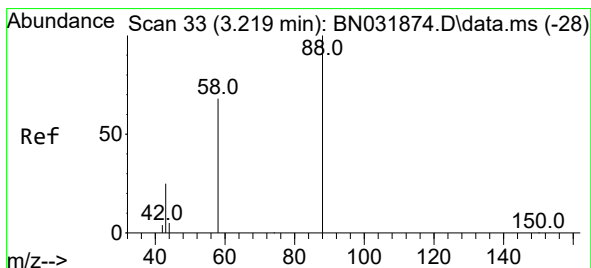
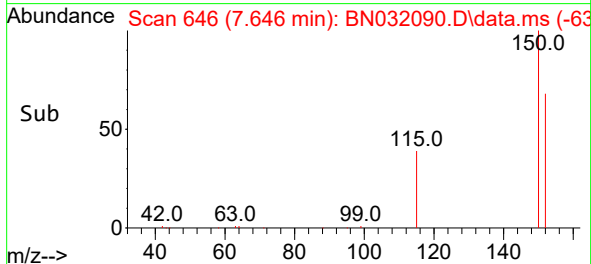
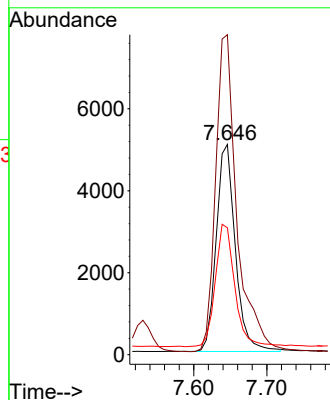
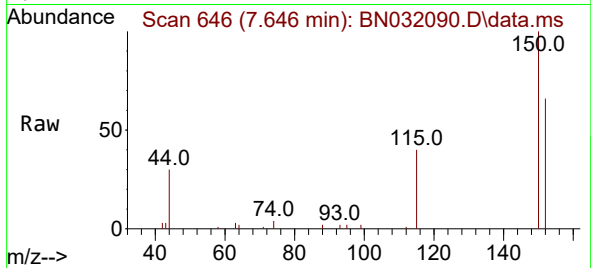




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.646 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN032090.D  
 Acq: 20 Jun 2024 04:29

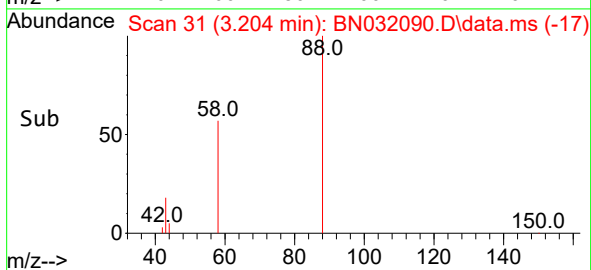
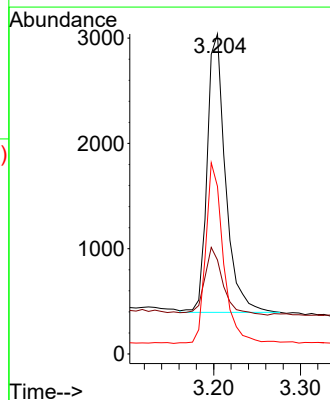
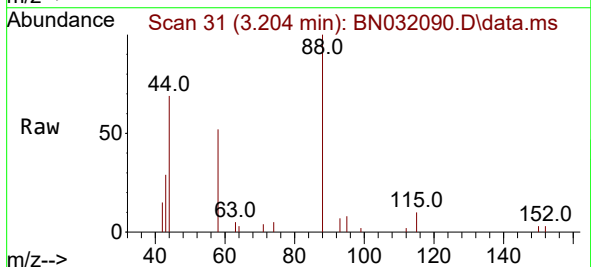
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB161445BSD

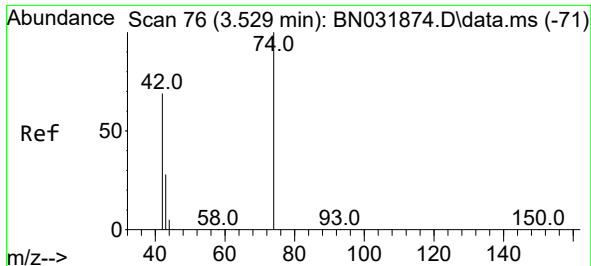
Tgt Ion:152 Resp: 9184  
 Ion Ratio Lower Upper  
 152 100  
 150 152.2 121.0 181.4  
 115 60.4 49.4 74.0



#2  
 1,4-Dioxane  
 Concen: 0.346 ng  
 RT: 3.204 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: BN032090.D  
 Acq: 20 Jun 2024 04:29

Tgt Ion: 88 Resp: 3889  
 Ion Ratio Lower Upper  
 88 100  
 43 24.8 22.7 34.1  
 58 62.7 51.3 76.9

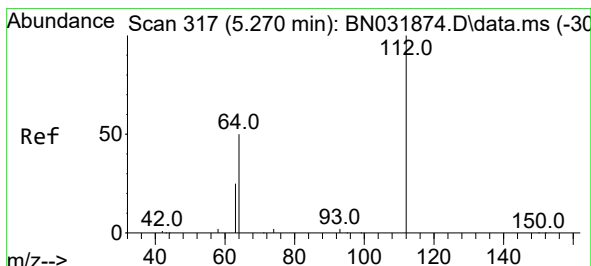
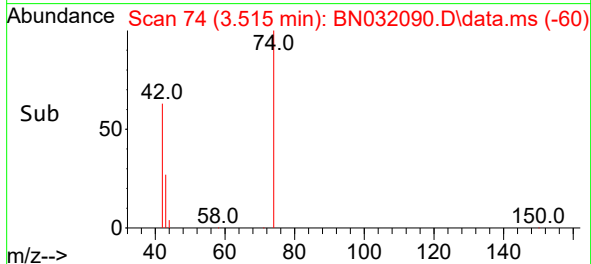
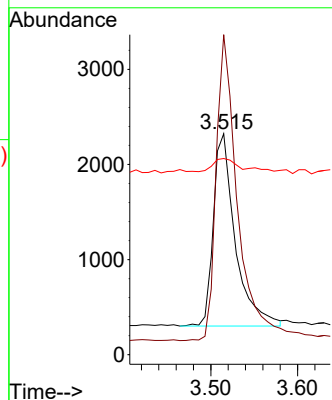
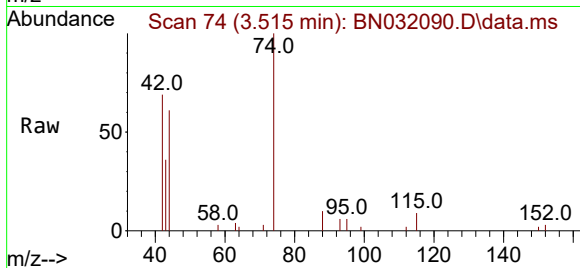




#3  
n-Nitrosodimethylamine  
Concen: 0.331 ng  
RT: 3.515 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

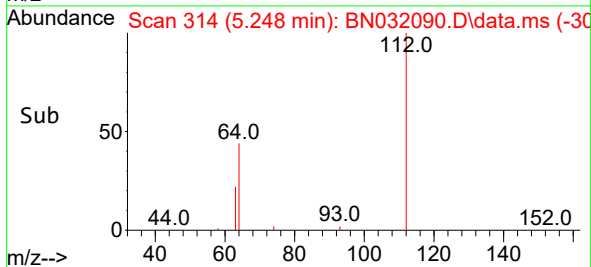
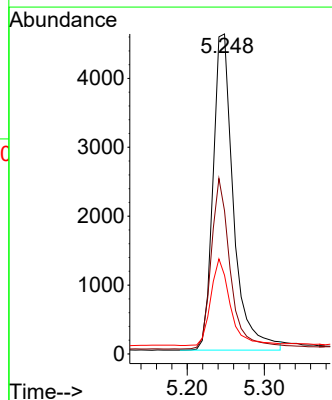
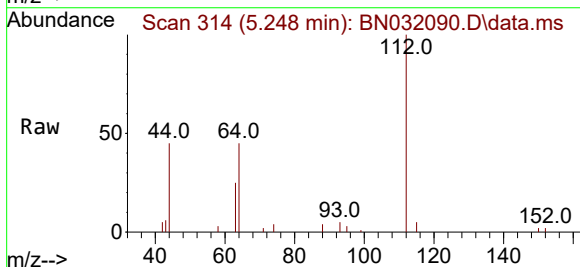
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

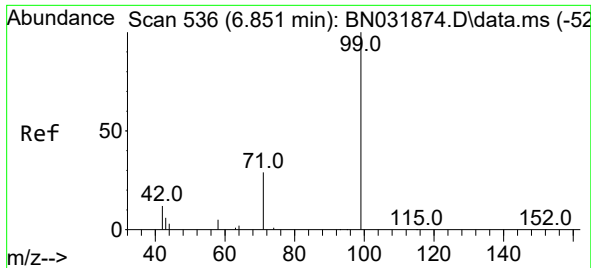
Tgt Ion: 42 Resp: 3541  
Ion Ratio Lower Upper  
42 100  
74 155.7 125.2 187.8  
44 8.7 6.9 10.3



#4  
2-Fluorophenol  
Concen: 0.324 ng  
RT: 5.248 min Scan# 314  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion: 112 Resp: 8453  
Ion Ratio Lower Upper  
112 100  
64 50.7 42.4 63.6  
63 26.3 22.1 33.1

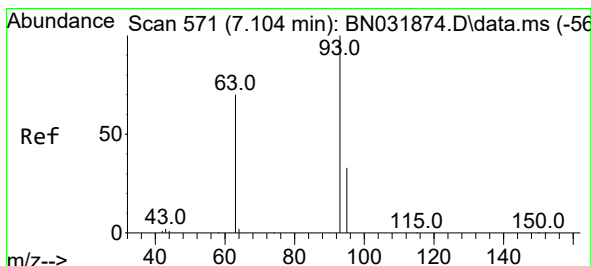
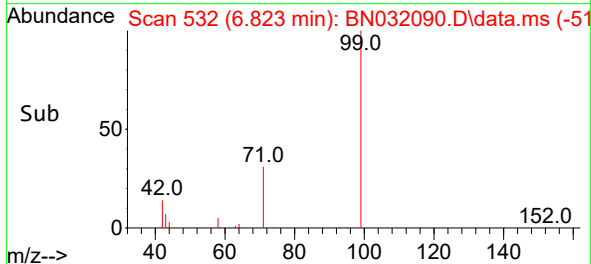
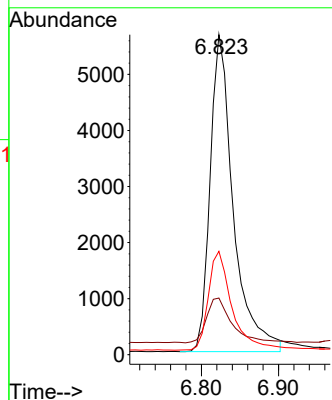
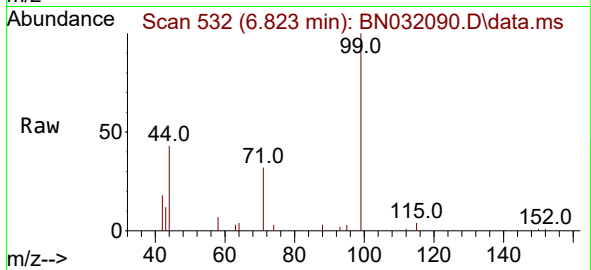




#5  
Phenol-d6  
Concen: 0.345 ng  
RT: 6.823 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

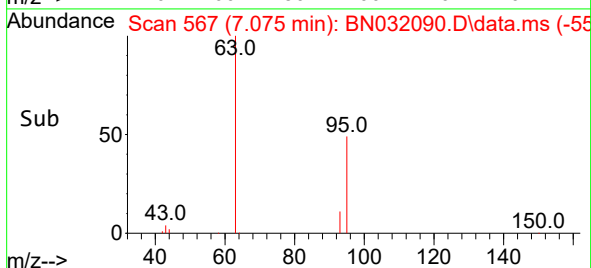
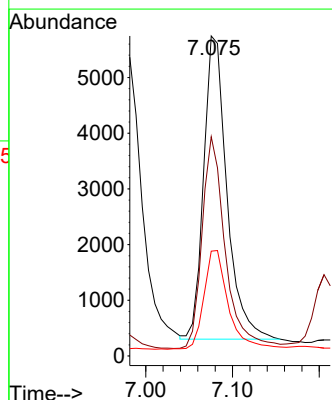
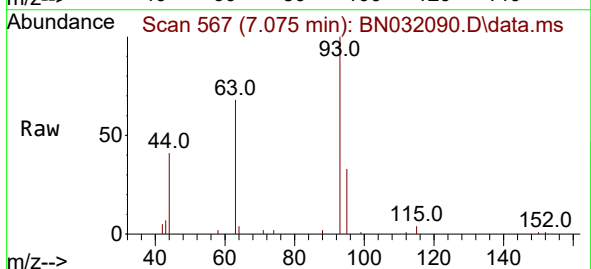
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

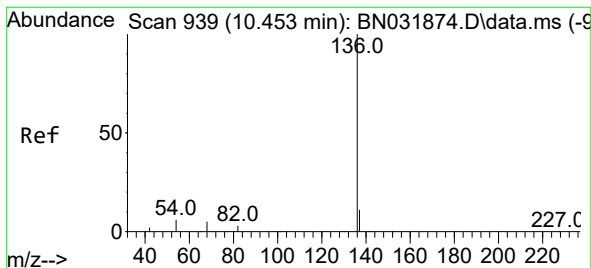
Tgt Ion: 99 Resp: 11820  
Ion Ratio Lower Upper  
99 100  
42 15.4 12.8 19.2  
71 31.6 25.4 38.2



#6  
bis(2-Chloroethyl)ether  
Concen: 0.345 ng  
RT: 7.075 min Scan# 567  
Delta R.T. -0.007 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion: 93 Resp: 10158  
Ion Ratio Lower Upper  
93 100  
63 69.8 56.2 84.2  
95 34.3 26.4 39.6





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.421 min Scan# 91

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

Tgt Ion:136 Resp: 32799

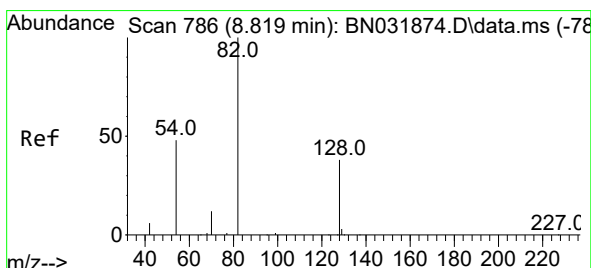
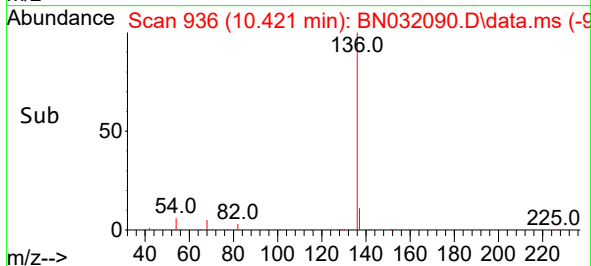
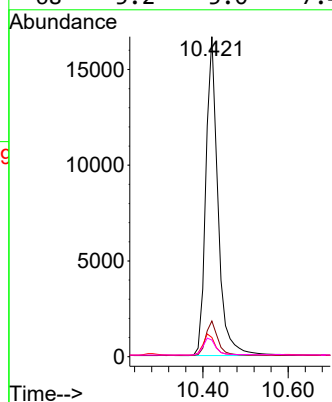
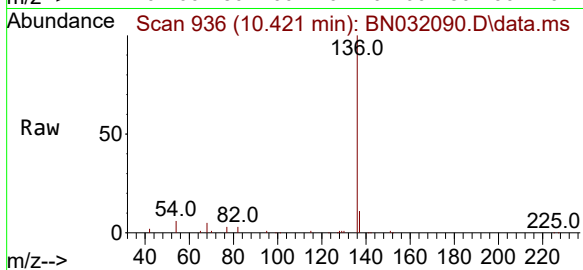
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.0 5.6 8.4

68 5.2 5.0 7.4



#8

Nitrobenzene-d5

Concen: 0.330 ng

RT: 8.798 min Scan# 784

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

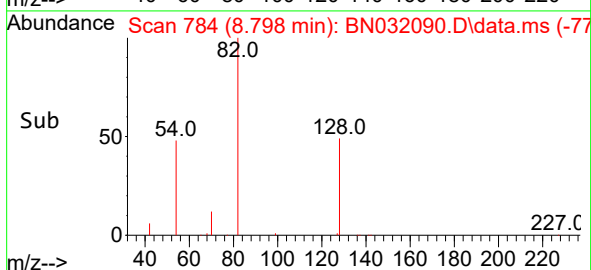
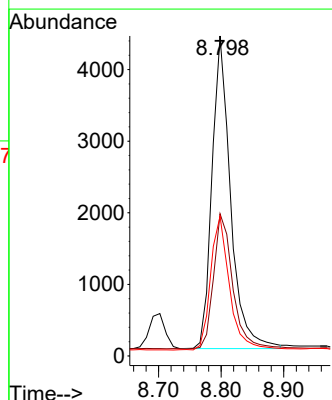
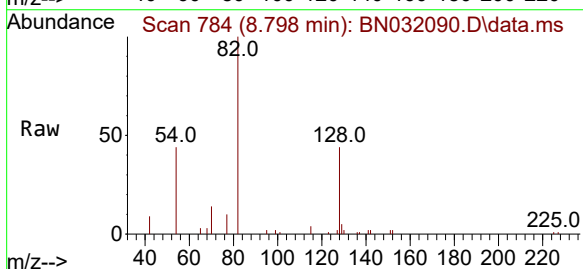
Tgt Ion: 82 Resp: 9002

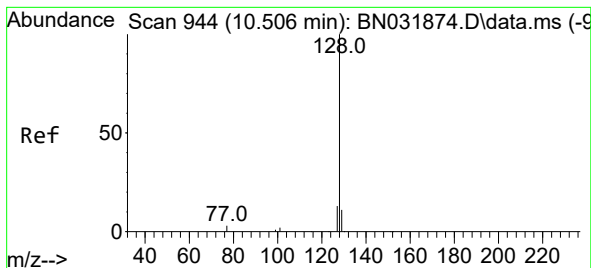
Ion Ratio Lower Upper

82 100

128 44.5 32.1 48.1

54 43.7 39.7 59.5





#9

Naphthalene

Concen: 0.385 ng

RT: 10.464 min Scan# 94

Delta R.T. -0.011 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

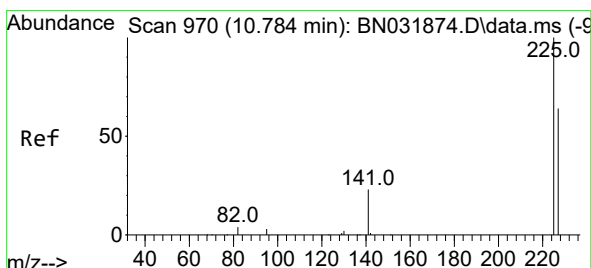
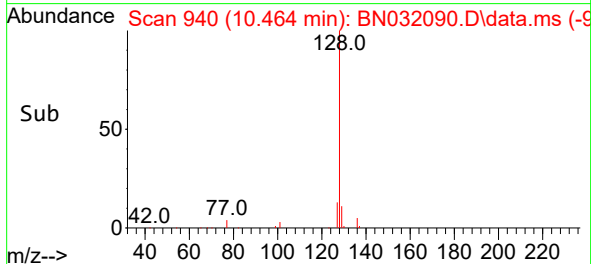
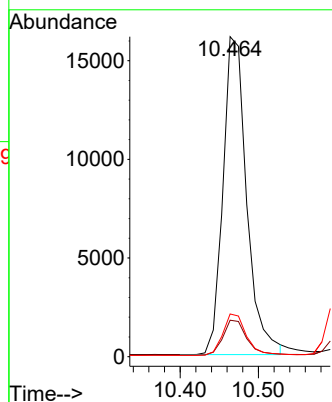
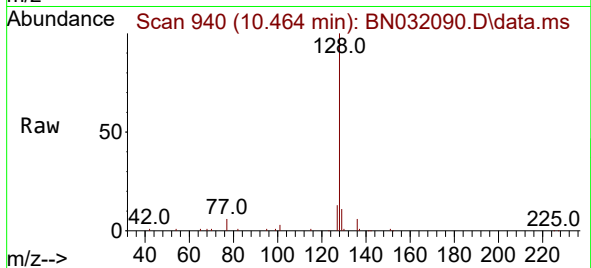
BNA\_N

ClientSampleId :

PB161445BSD

Tgt Ion:128 Resp: 33962

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 11.4  | 9.2   | 13.8  |
| 127 | 13.4  | 10.5  | 15.7  |



#10

Hexachlorobutadiene

Concen: 0.394 ng

RT: 10.741 min Scan# 966

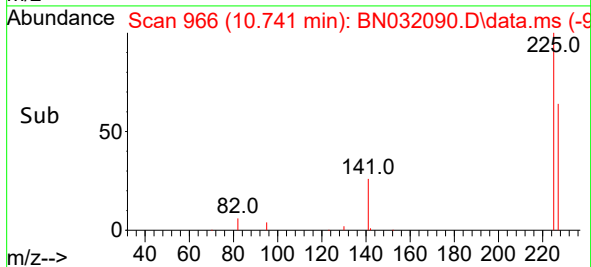
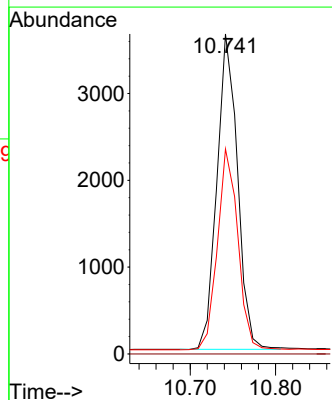
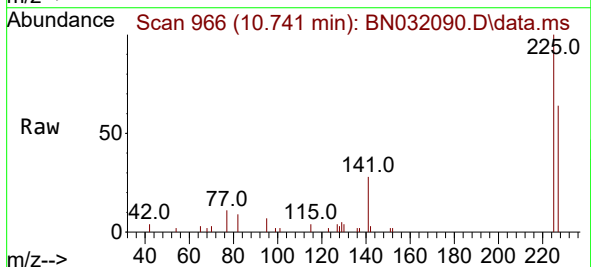
Delta R.T. -0.011 min

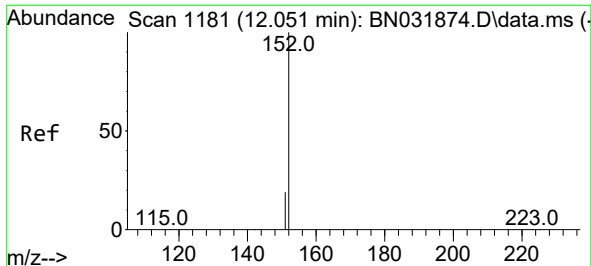
Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Tgt Ion:225 Resp: 6075

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 0.0   | 0.0   | 0.0   |
| 227 | 63.2  | 50.6  | 75.8  |

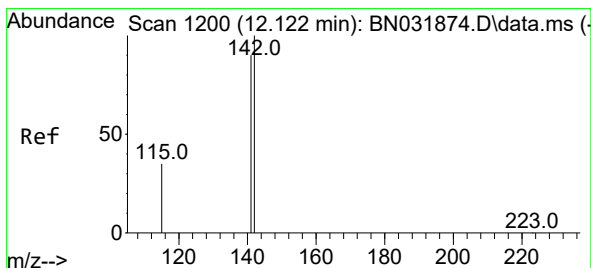
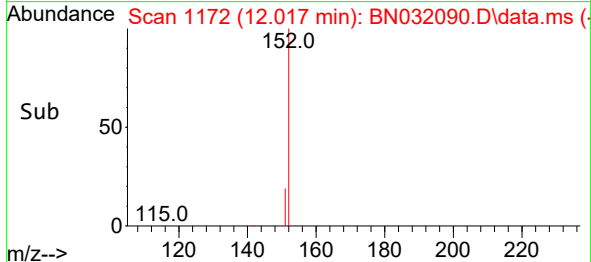
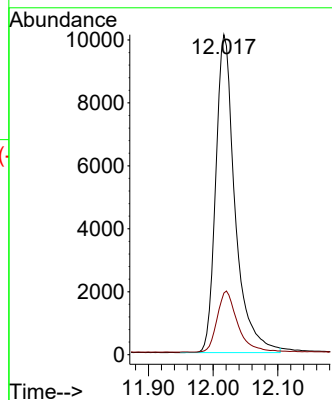
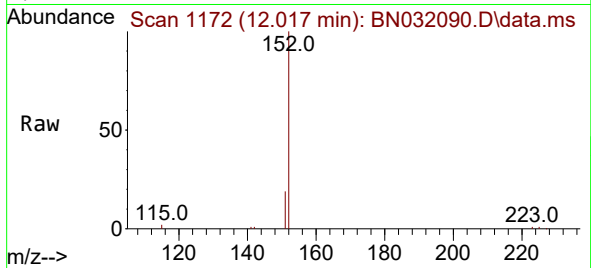




#11  
2-Methylnaphthalene-d10  
Concen: 0.401 ng  
RT: 12.017 min Scan# 1181  
Delta R.T. -0.004 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

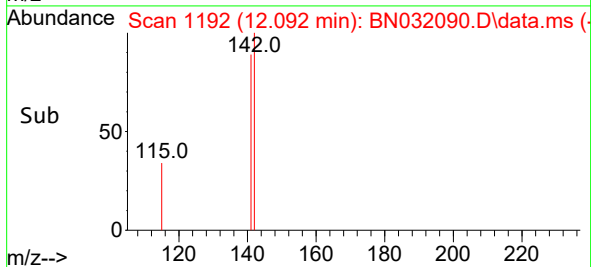
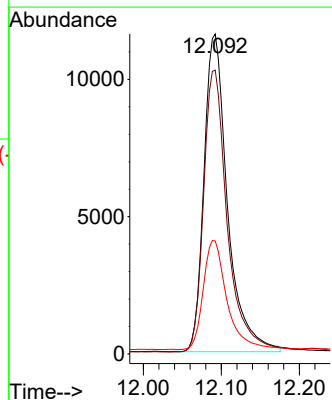
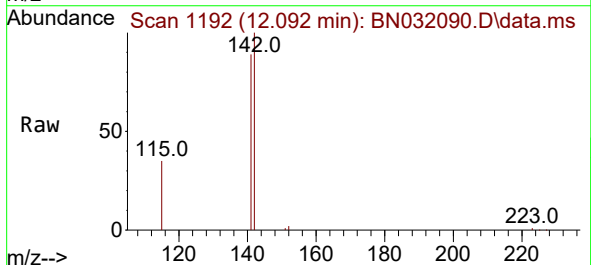
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

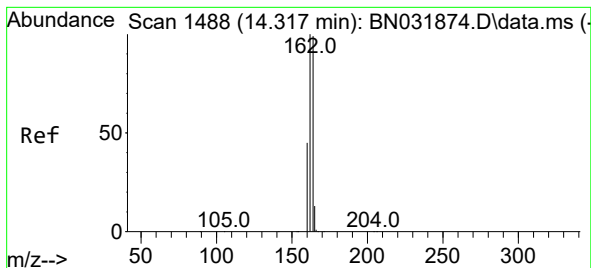
Tgt Ion:152 Resp: 20931  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5



#12  
2-Methylnaphthalene  
Concen: 0.403 ng  
RT: 12.092 min Scan# 1192  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion:142 Resp: 24295  
Ion Ratio Lower Upper  
142 100  
141 88.7 72.2 108.2  
115 35.3 28.6 43.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.285 min Scan# 1485

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

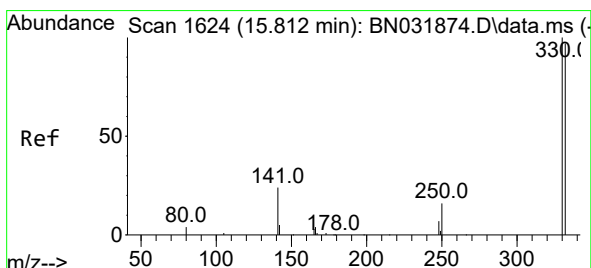
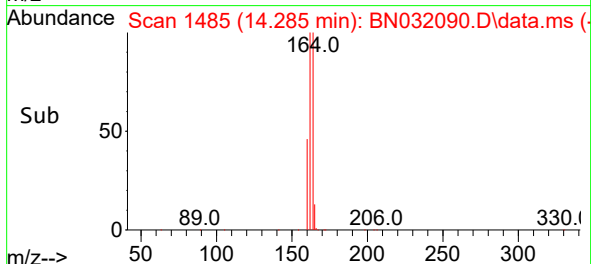
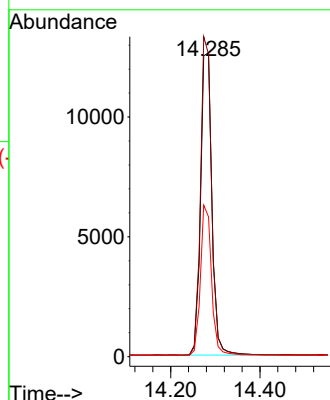
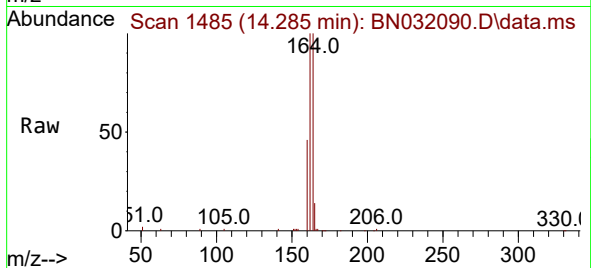
Tgt Ion:164 Resp: 22204

Ion Ratio Lower Upper

164 100

162 99.6 80.7 121.1

160 46.1 36.2 54.4



#14

2,4,6-Tribromophenol

Concen: 0.283 ng

RT: 15.787 min Scan# 1622

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

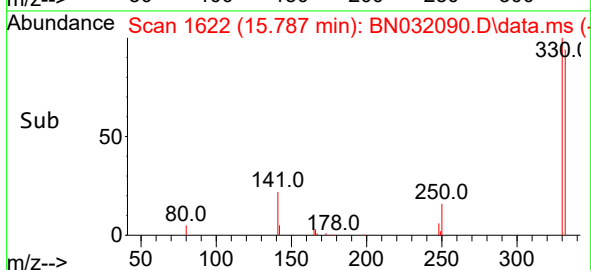
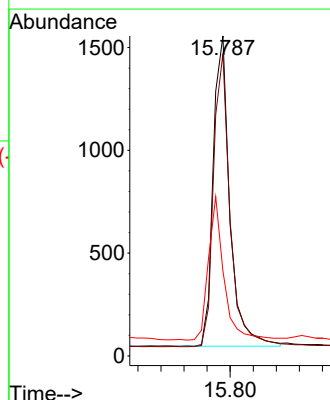
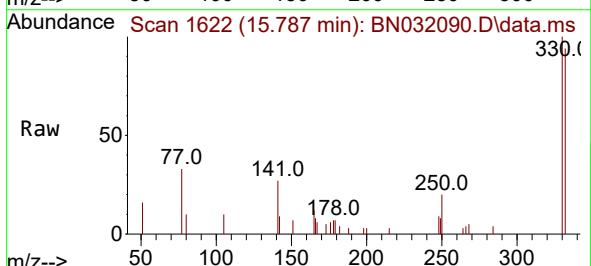
Tgt Ion:330 Resp: 3012

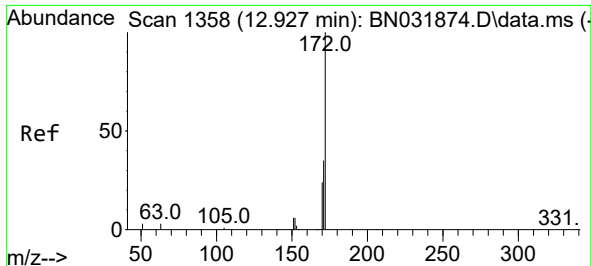
Ion Ratio Lower Upper

330 100

332 94.6 77.5 116.3

141 42.9 34.7 52.1

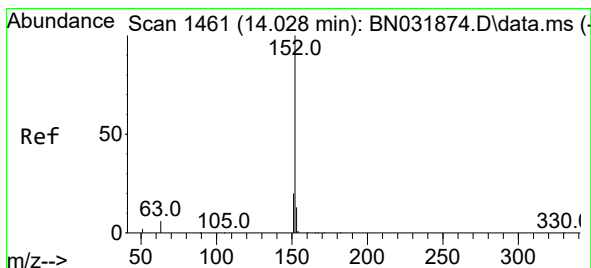
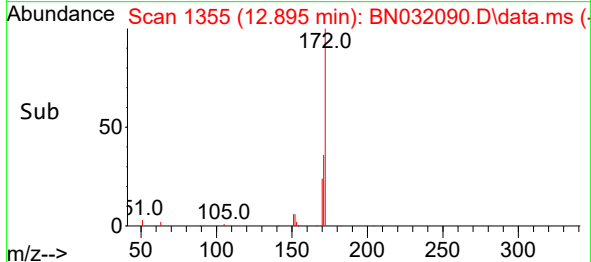
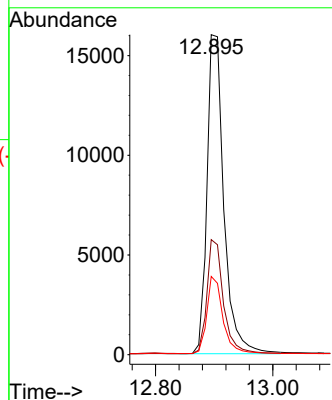
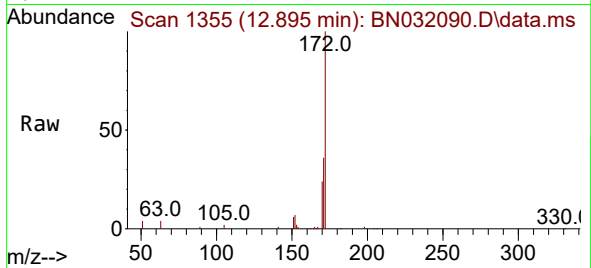




#15  
2-Fluorobiphenyl  
Concen: 0.381 ng  
RT: 12.895 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

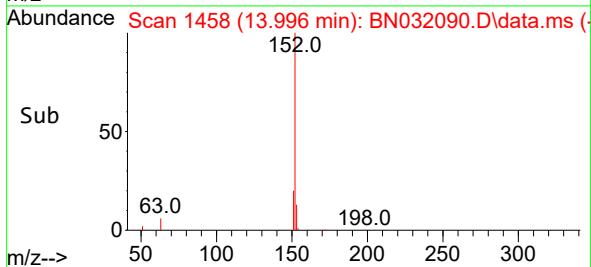
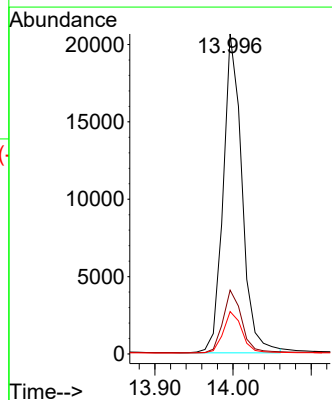
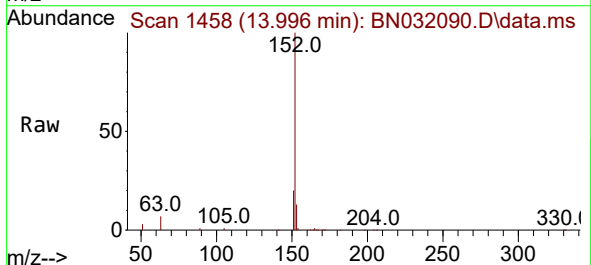
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

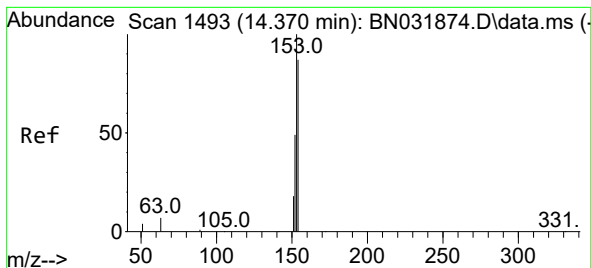
Tgt Ion:172 Resp: 32099  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 42.8  
170 24.5 19.2 28.8



#16  
Acenaphthylene  
Concen: 0.336 ng  
RT: 13.996 min Scan# 1458  
Delta R.T. -0.011 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion:152 Resp: 34437  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.7 23.5  
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.375 ng

RT: 14.338 min Scan# 1493

Delta R.T. -0.011 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

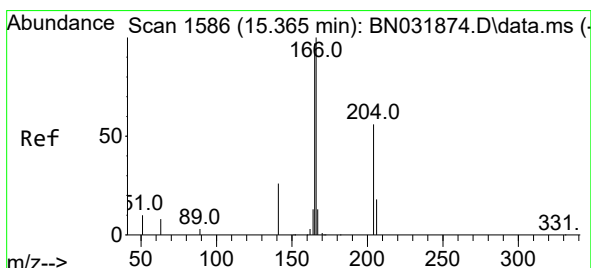
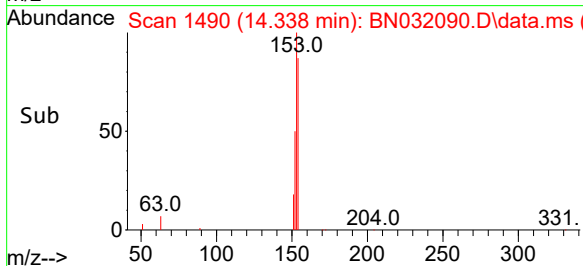
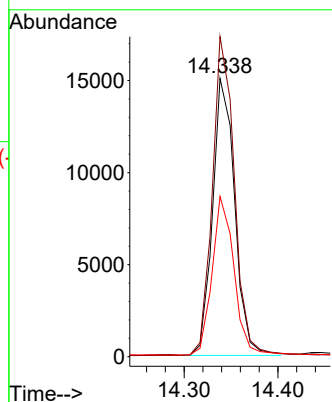
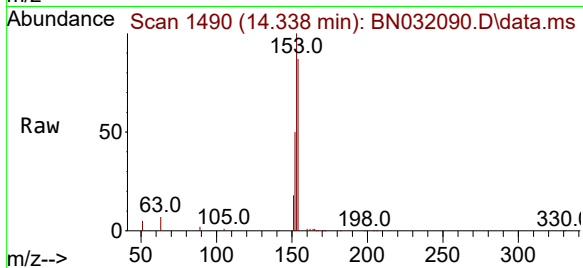
Tgt Ion:154 Resp: 24676

Ion Ratio Lower Upper

154 100

153 114.0 90.8 136.2

152 56.4 44.3 66.5



#18

Fluorene

Concen: 0.370 ng

RT: 15.333 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

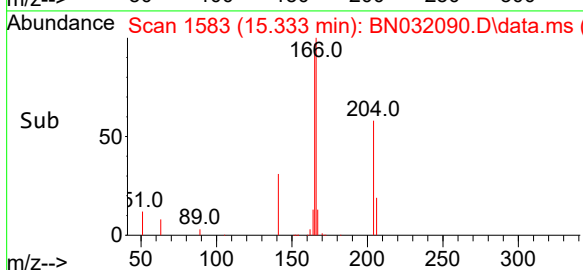
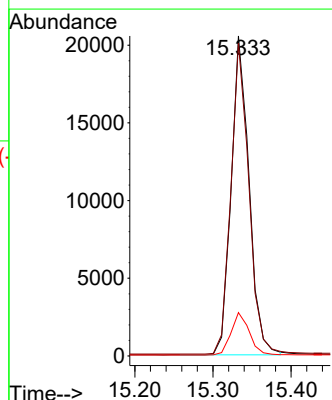
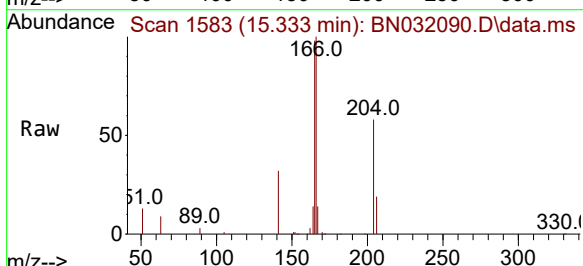
Tgt Ion:166 Resp: 32569

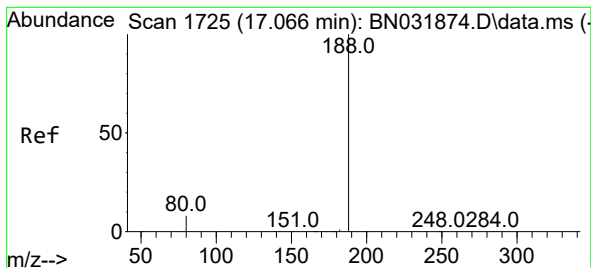
Ion Ratio Lower Upper

166 100

165 97.6 78.3 117.5

167 13.5 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.029 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

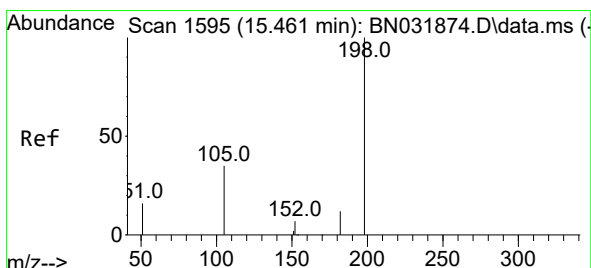
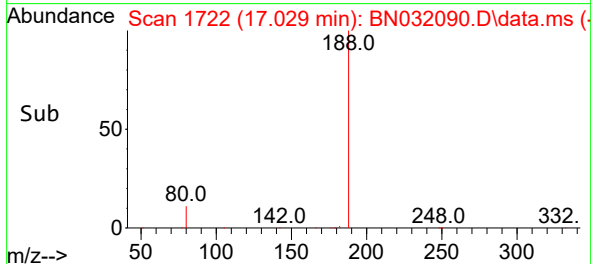
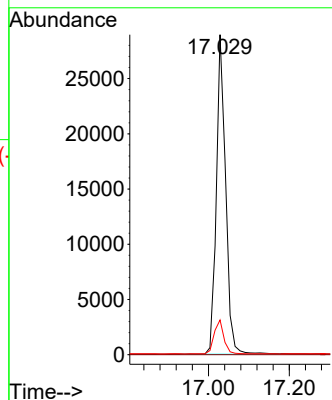
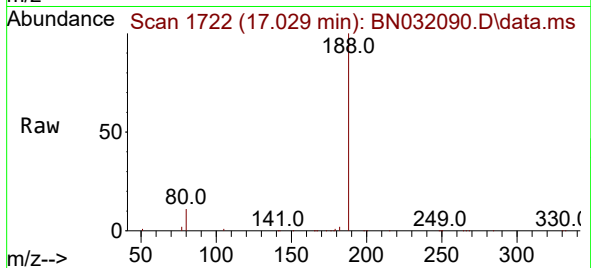
Tgt Ion:188 Resp: 46232

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 6.4 9.6#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.333 ng

RT: 15.439 min Scan# 1593

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

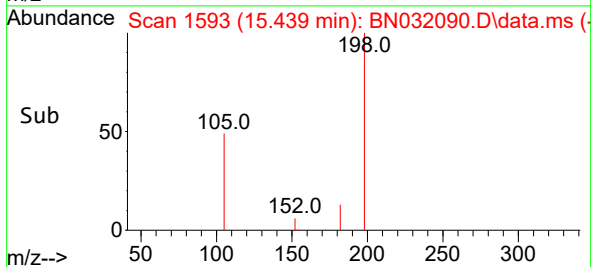
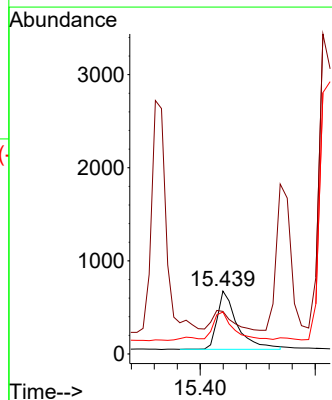
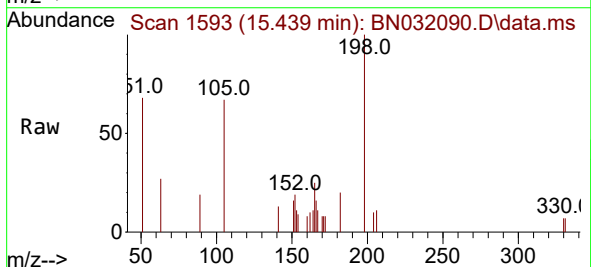
Tgt Ion:198 Resp: 1538

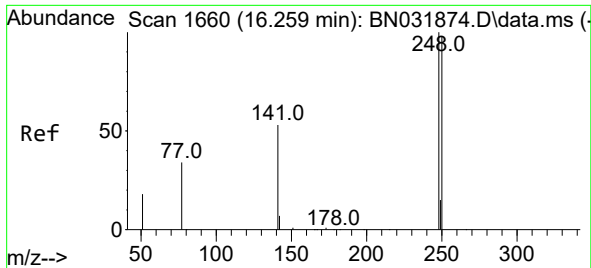
Ion Ratio Lower Upper

198 100

51 67.9 42.7 64.1#

105 66.7 41.8 62.8#

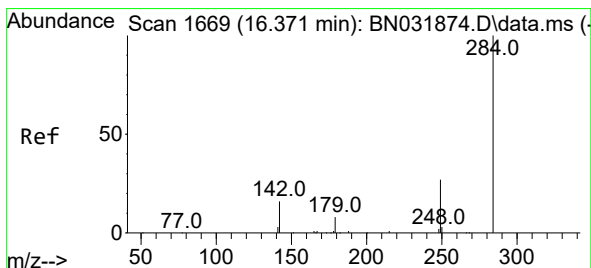
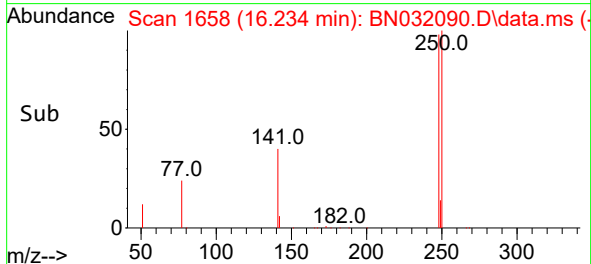
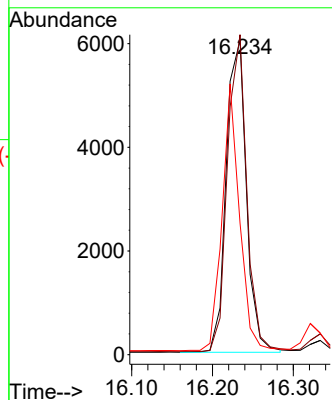
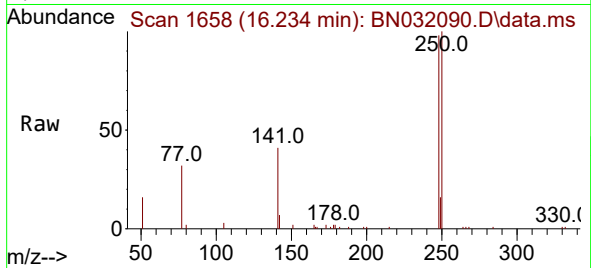




#21  
4-Bromophenyl-phenylether  
Concen: 0.399 ng  
RT: 16.234 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

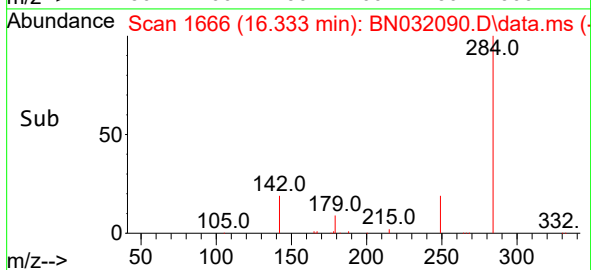
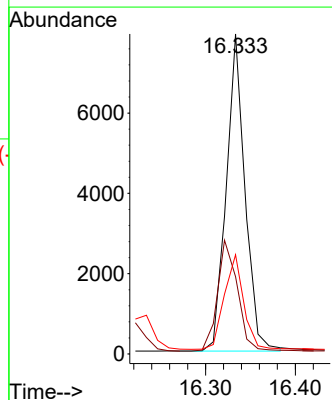
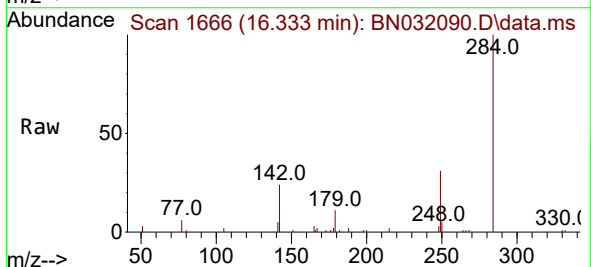
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

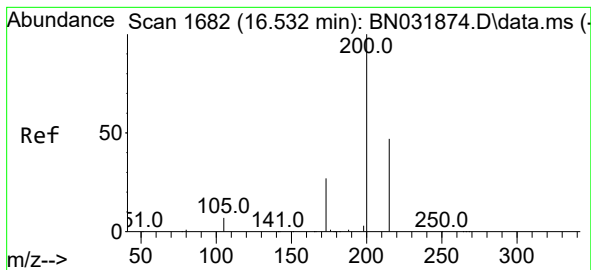
Tgt Ion:248 Resp: 10469  
Ion Ratio Lower Upper  
248 100  
250 101.8 78.5 117.7  
141 41.8 43.1 64.7#



#22  
Hexachlorobenzene  
Concen: 0.422 ng  
RT: 16.333 min Scan# 1666  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion:284 Resp: 11475  
Ion Ratio Lower Upper  
284 100  
142 37.3 30.7 46.1  
249 30.7 25.0 37.4





#23

Atrazine

Concen: 0.300 ng

RT: 16.507 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

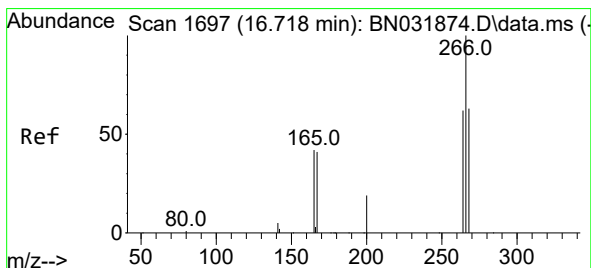
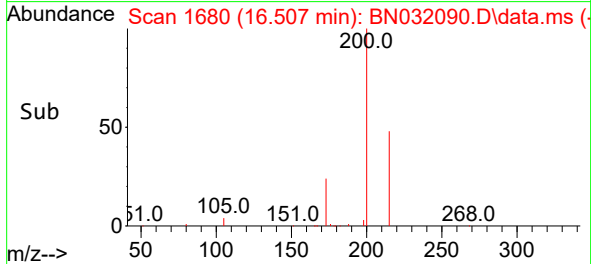
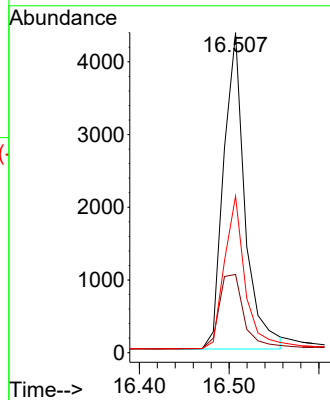
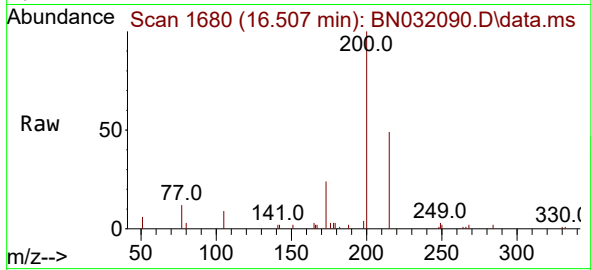
Tgt Ion:200 Resp: 7195

Ion Ratio Lower Upper

200 100

173 24.4 22.0 33.0

215 48.9 37.9 56.9



#24

Pentachlorophenol

Concen: 0.342 ng

RT: 16.693 min Scan# 1695

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

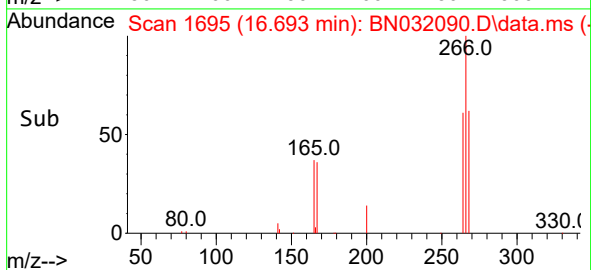
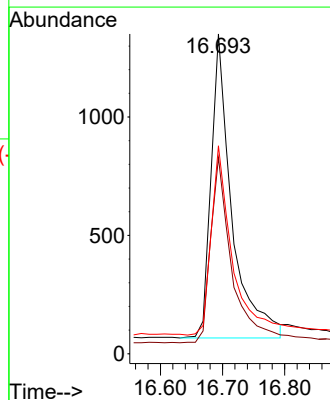
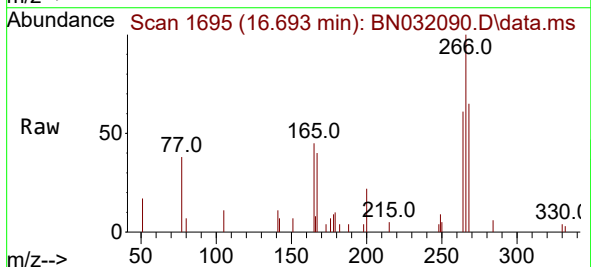
Tgt Ion:266 Resp: 2972

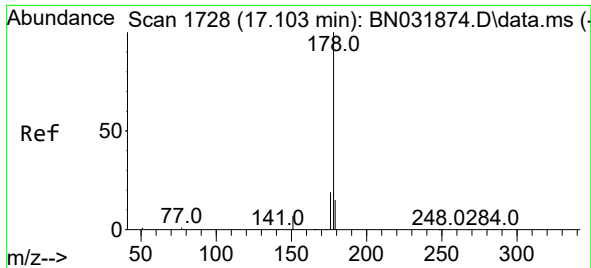
Ion Ratio Lower Upper

266 100

264 62.2 50.0 75.0

268 63.7 51.0 76.6

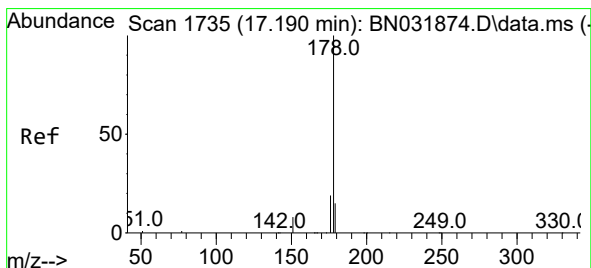
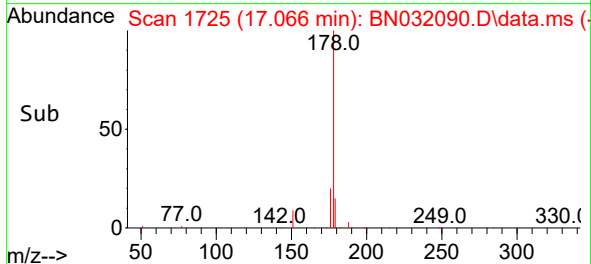
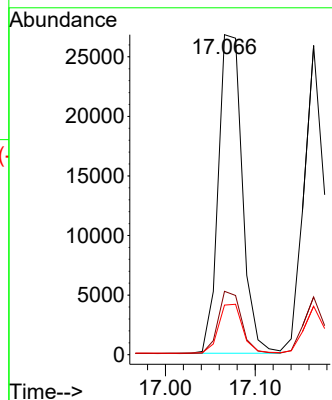
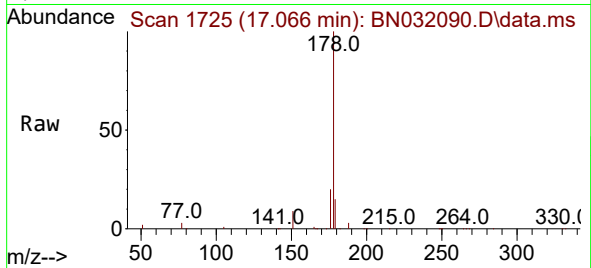




#25  
Phenanthrene  
Concen: 0.388 ng  
RT: 17.066 min Scan# 1725  
Delta R.T. -0.013 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

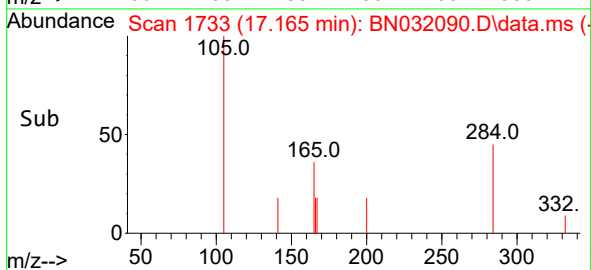
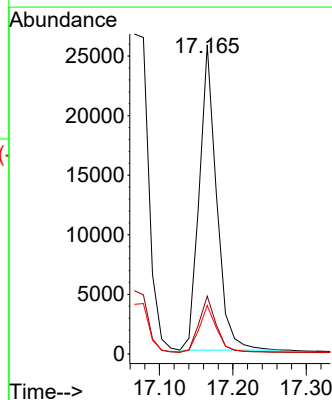
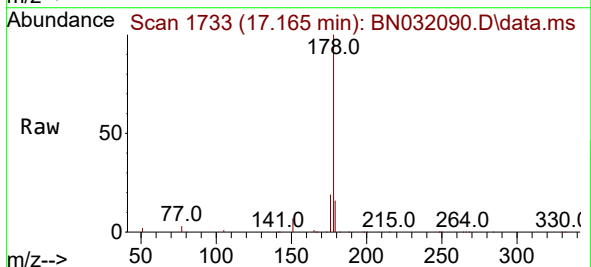
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

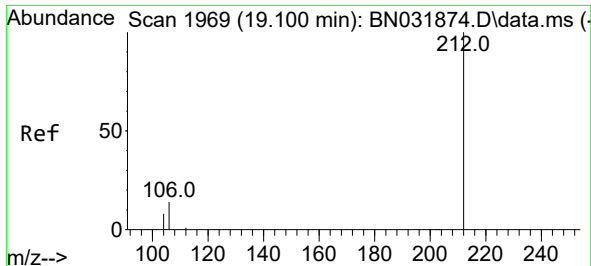
Tgt Ion:178 Resp: 49759  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.0  
179 15.4 12.2 18.2



#26  
Anthracene  
Concen: 0.352 ng  
RT: 17.165 min Scan# 1733  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion:178 Resp: 41961  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.8 22.2  
179 15.2 12.2 18.2

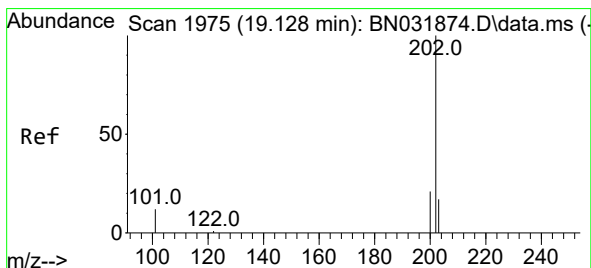
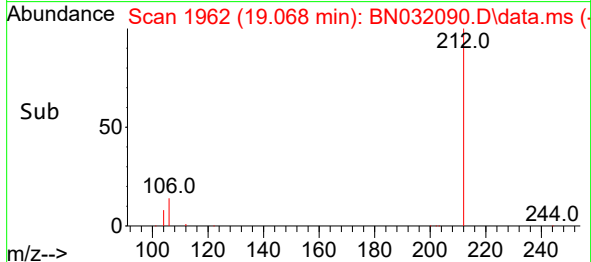
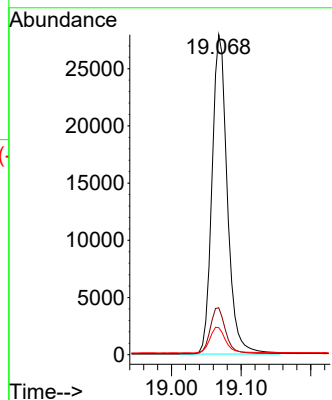
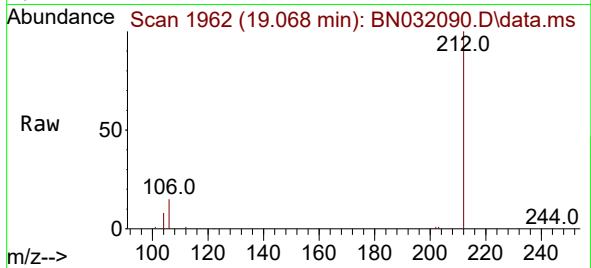




#27  
Fluoranthene-d10  
Concen: 0.339 ng  
RT: 19.068 min Scan# 1962  
Delta R.T. -0.005 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

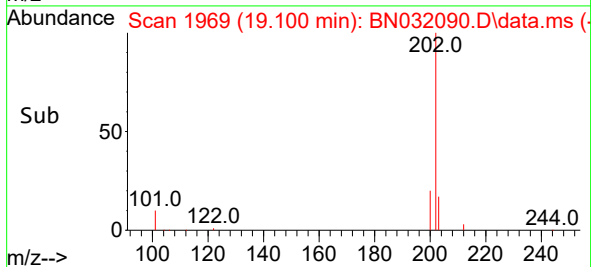
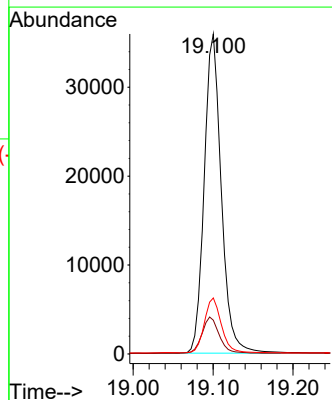
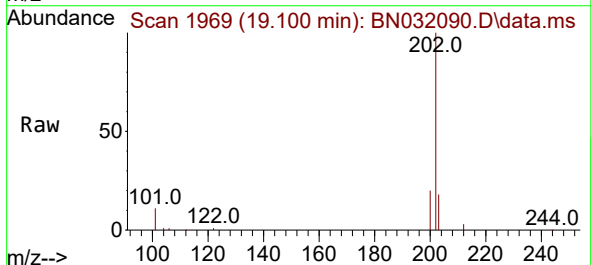
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

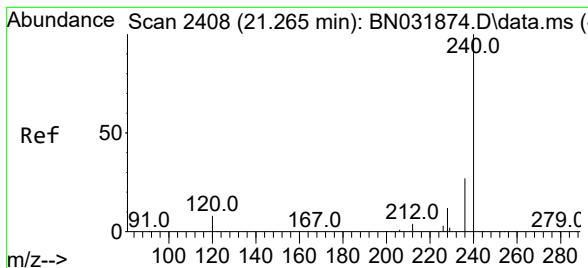
Tgt Ion:212 Resp: 42658  
Ion Ratio Lower Upper  
212 100  
106 14.5 11.8 17.8  
104 8.3 6.6 10.0



#28  
Fluoranthene  
Concen: 0.343 ng  
RT: 19.100 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion:202 Resp: 53357  
Ion Ratio Lower Upper  
202 100  
101 11.4 9.8 14.6  
203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.229 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

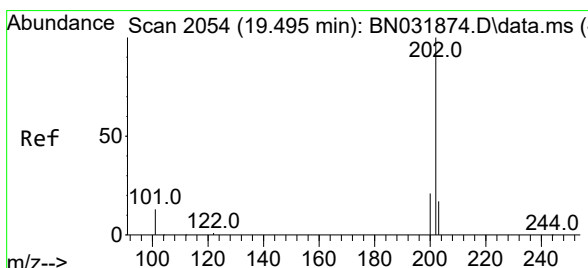
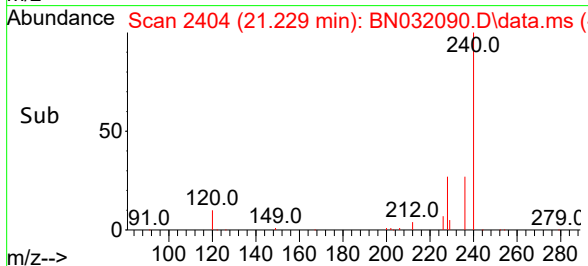
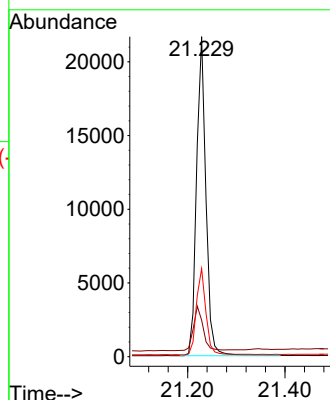
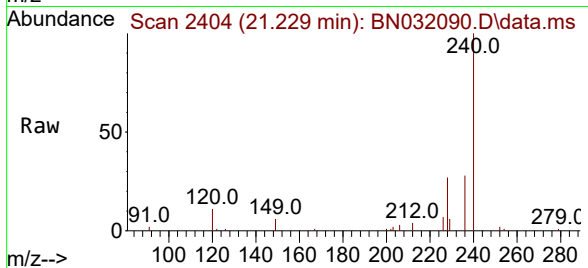
Tgt Ion:240 Resp: 28904

Ion Ratio Lower Upper

240 100

120 11.4 8.2 12.4

236 27.5 21.8 32.8



#30

Pyrene

Concen: 0.454 ng

RT: 19.463 min Scan# 2047

Delta R.T. -0.005 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

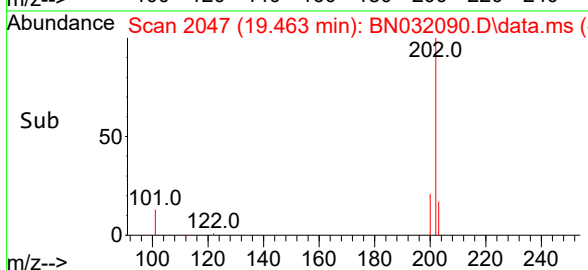
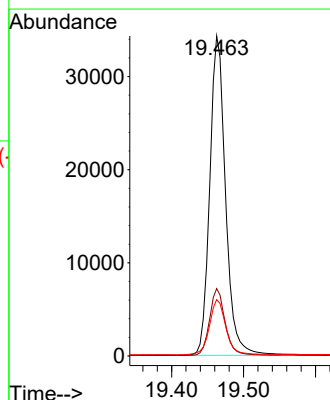
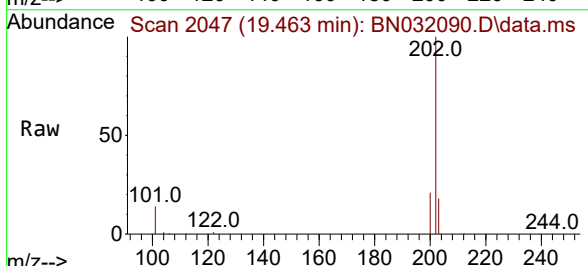
Tgt Ion:202 Resp: 52123

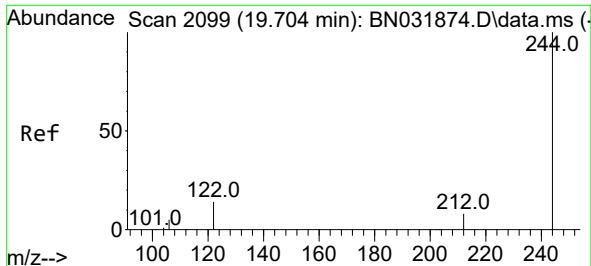
Ion Ratio Lower Upper

202 100

200 20.6 16.7 25.1

203 18.0 14.3 21.5

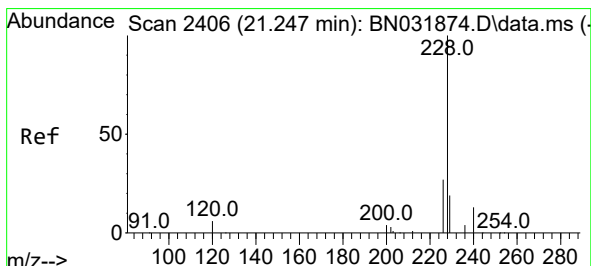
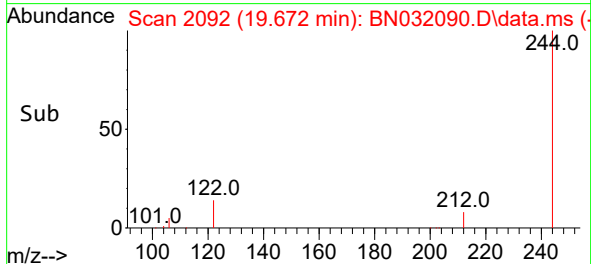
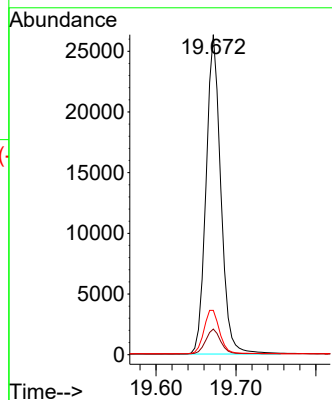
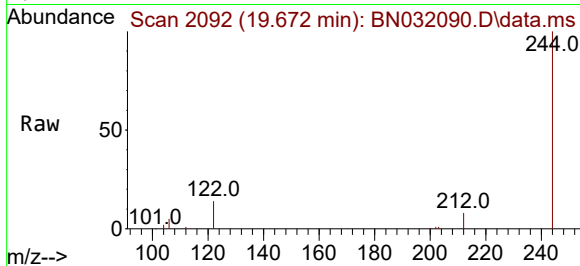




#31  
 Terphenyl-d14  
 Concen: 0.477 ng  
 RT: 19.672 min Scan# 2092  
 Delta R.T. -0.000 min  
 Lab File: BN032090.D  
 Acq: 20 Jun 2024 04:29

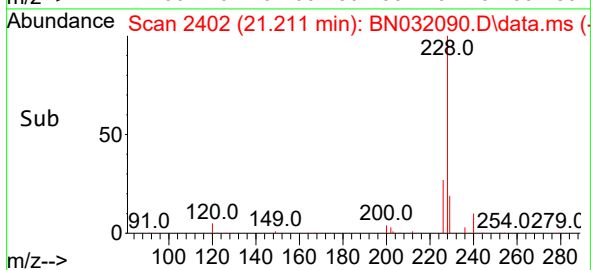
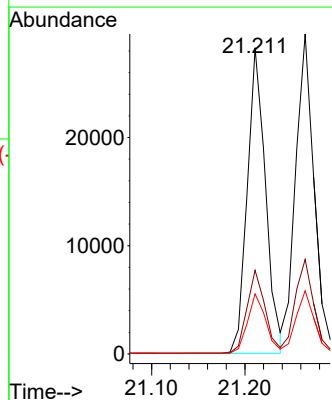
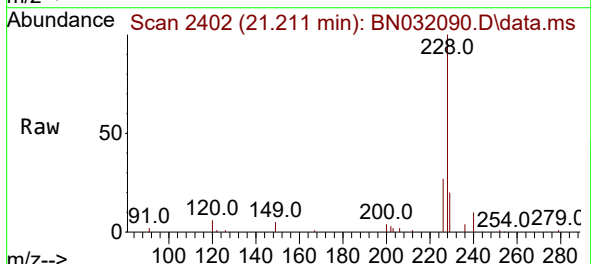
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB161445BSD

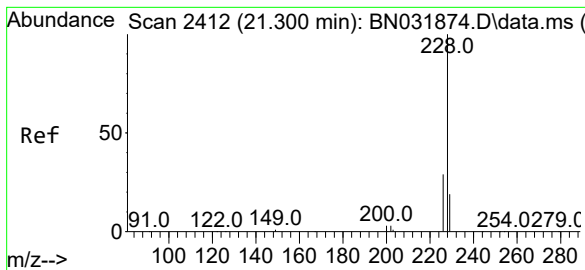
Tgt Ion:244 Resp: 33713  
 Ion Ratio Lower Upper  
 244 100  
 212 8.0 6.5 9.7  
 122 13.9 11.4 17.0



#32  
 Benzo(a)anthracene  
 Concen: 0.353 ng  
 RT: 21.211 min Scan# 2402  
 Delta R.T. -0.000 min  
 Lab File: BN032090.D  
 Acq: 20 Jun 2024 04:29

Tgt Ion:228 Resp: 38452  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 21.8 32.6  
 229 19.6 15.8 23.8





#33

Chrysene

Concen: 0.391 ng

RT: 21.265 min Scan# 2412

Delta R.T. -0.000 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

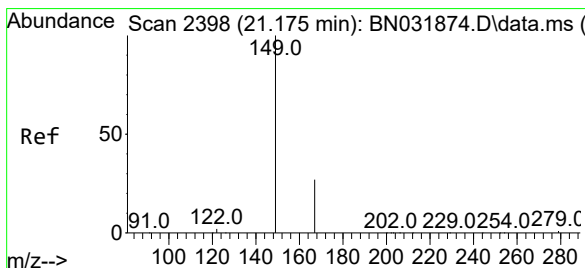
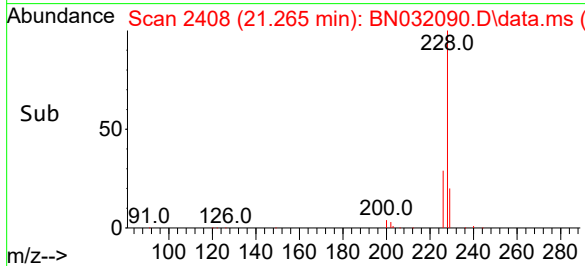
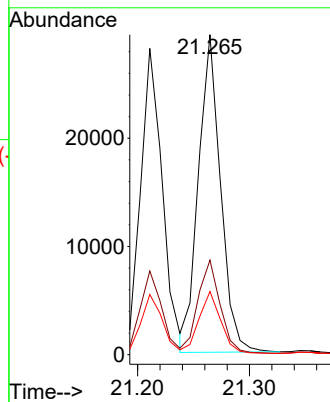
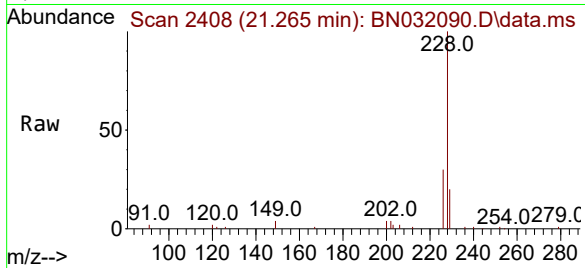
Tgt Ion:228 Resp: 40278

Ion Ratio Lower Upper

228 100

226 29.6 23.6 35.4

229 19.7 15.8 23.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.286 ng

RT: 21.139 min Scan# 2394

Delta R.T. -0.009 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

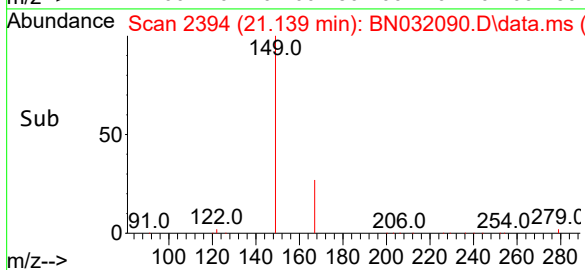
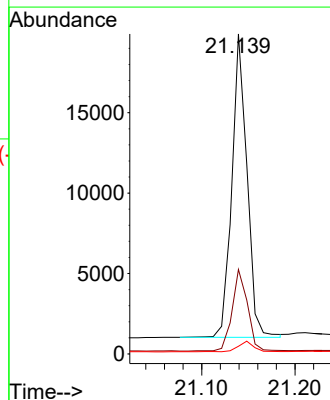
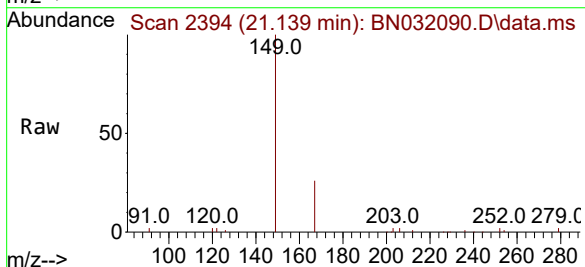
Tgt Ion:149 Resp: 21259

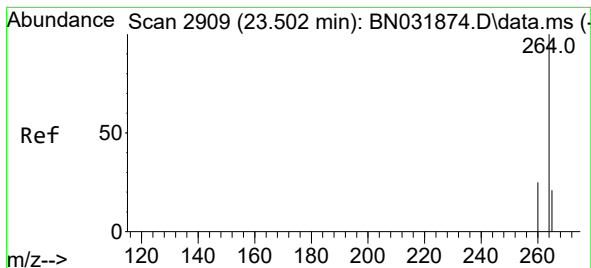
Ion Ratio Lower Upper

149 100

167 27.4 22.5 33.7

279 3.6 2.9 4.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.449 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

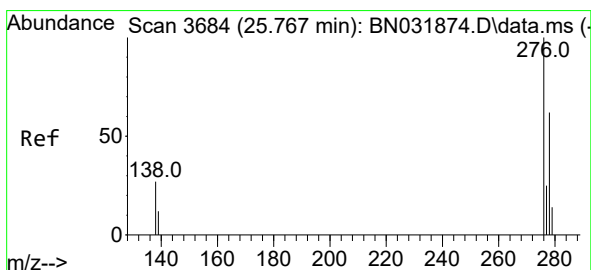
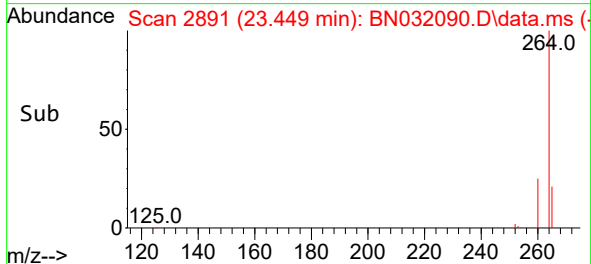
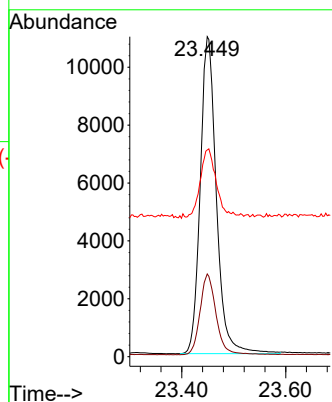
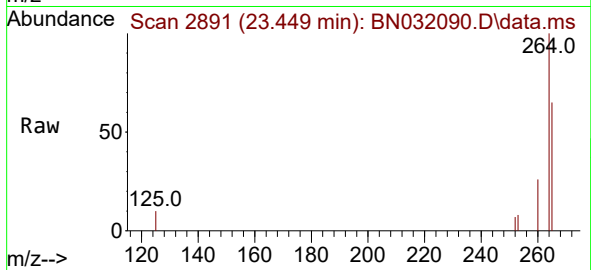
Tgt Ion:264 Resp: 23566

Ion Ratio Lower Upper

264 100

260 25.8 20.5 30.7

265 64.6 39.6 59.4#



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.421 ng

RT: 25.686 min Scan# 3656

Delta R.T. -0.009 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

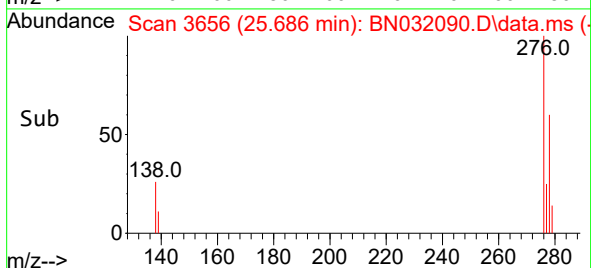
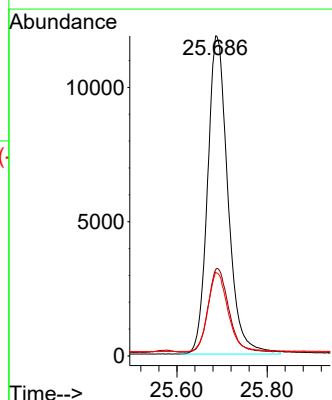
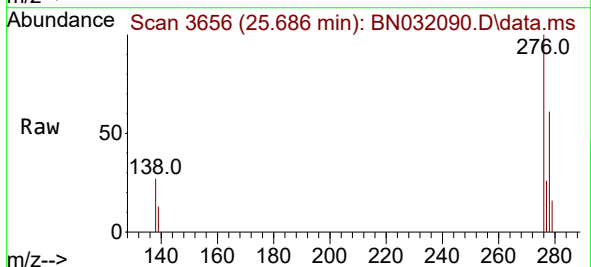
Tgt Ion:276 Resp: 37050

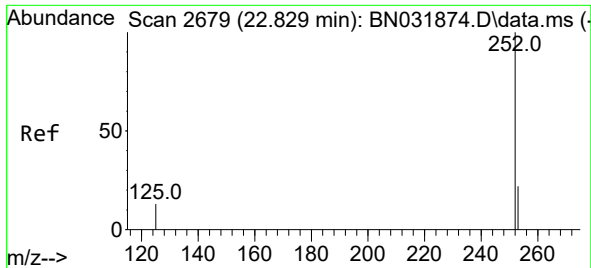
Ion Ratio Lower Upper

276 100

138 26.9 21.5 32.3

277 24.7 19.8 29.8

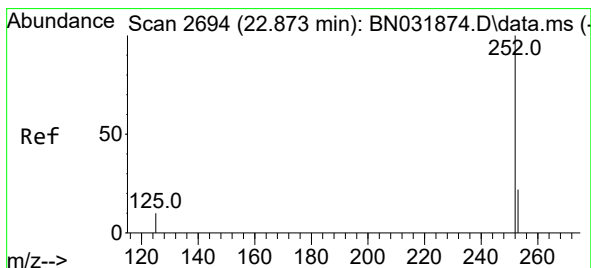
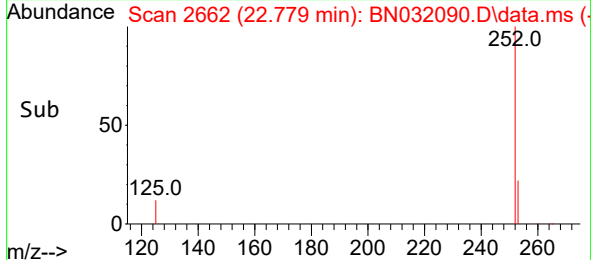
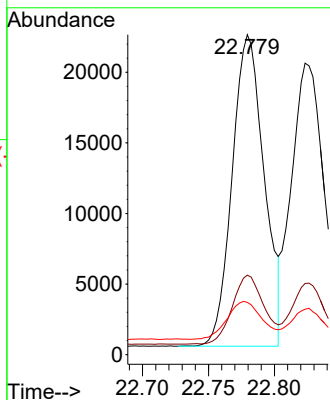
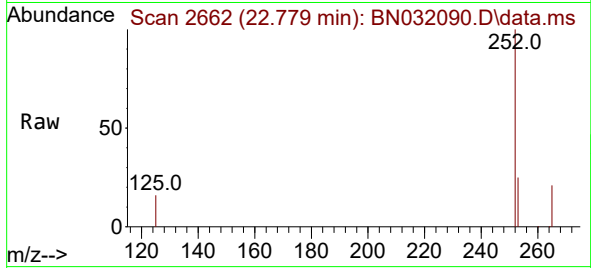




#37  
Benzo(b)fluoranthene  
Concen: 0.433 ng  
RT: 22.779 min Scan# 2662  
Delta R.T. -0.006 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

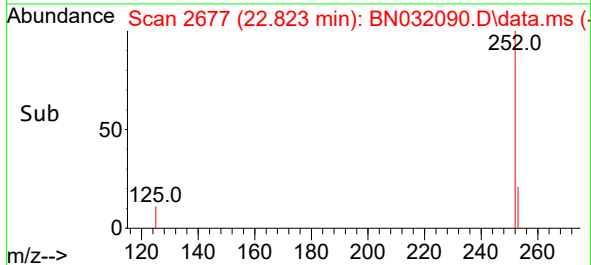
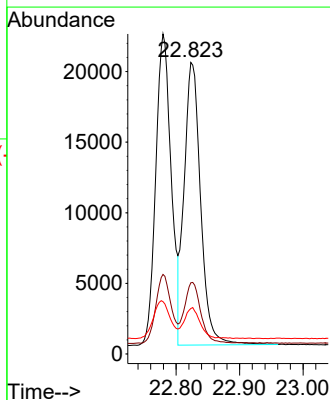
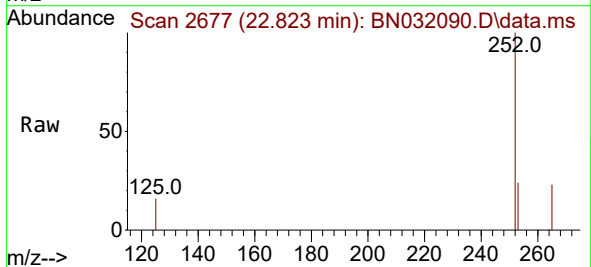
Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD

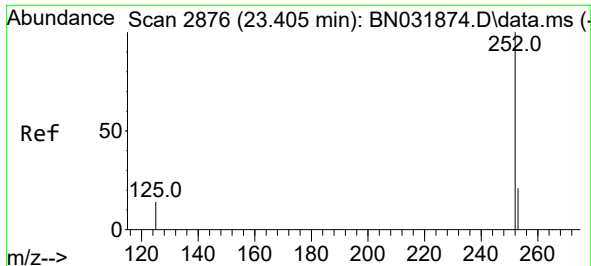
Tgt Ion:252 Resp: 37212  
Ion Ratio Lower Upper  
252 100  
253 24.8 20.2 30.2  
125 16.4 14.2 21.4



#38  
Benzo(k)fluoranthene  
Concen: 0.445 ng  
RT: 22.823 min Scan# 2677  
Delta R.T. -0.006 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Tgt Ion:252 Resp: 36106  
Ion Ratio Lower Upper  
252 100  
253 24.4 19.9 29.9  
125 15.6 13.0 19.4





#39

Benzo(a)pyrene

Concen: 0.402 ng

RT: 23.352 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

Instrument :

BNA\_N

ClientSampleId :

PB161445BSD

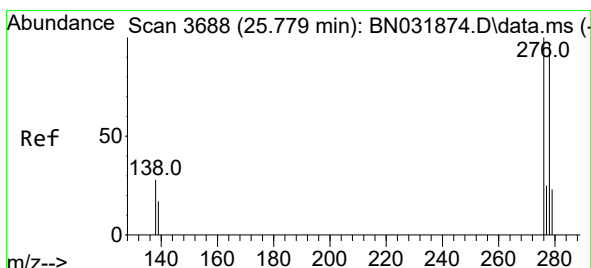
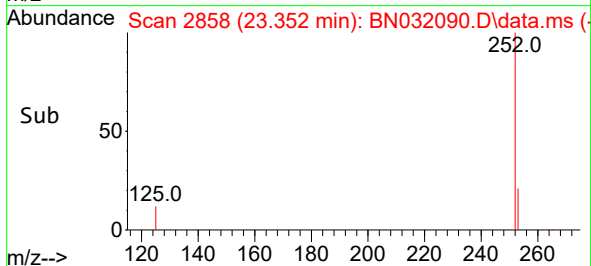
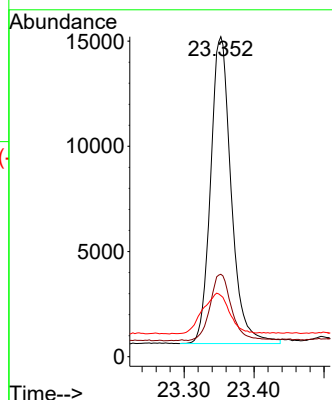
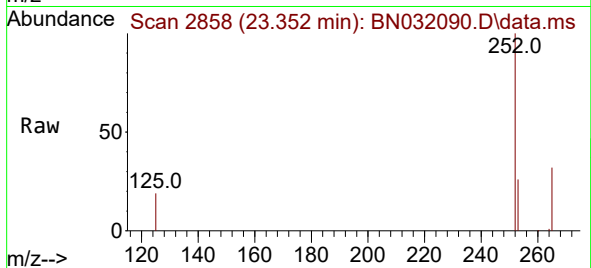
Tgt Ion:252 Resp: 29809

Ion Ratio Lower Upper

252 100

253 25.8 20.5 30.7

125 19.1 16.4 24.6



#40

Dibenzo(a,h)anthracene

Concen: 0.430 ng

RT: 25.703 min Scan# 3662

Delta R.T. -0.003 min

Lab File: BN032090.D

Acq: 20 Jun 2024 04:29

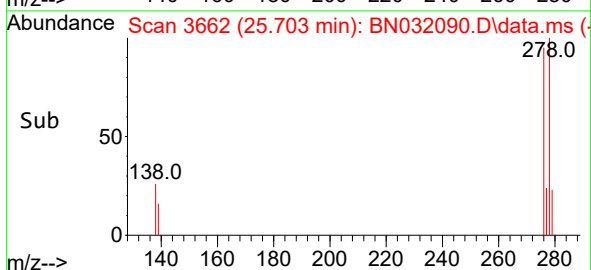
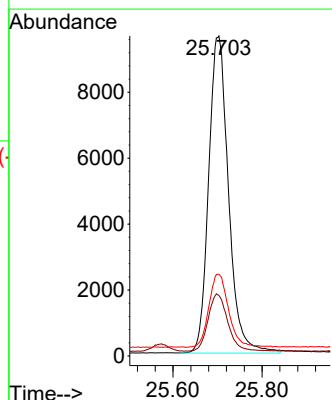
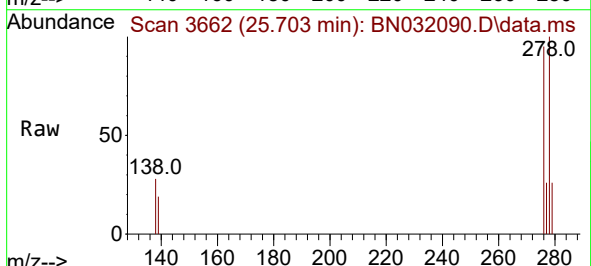
Tgt Ion:278 Resp: 29774

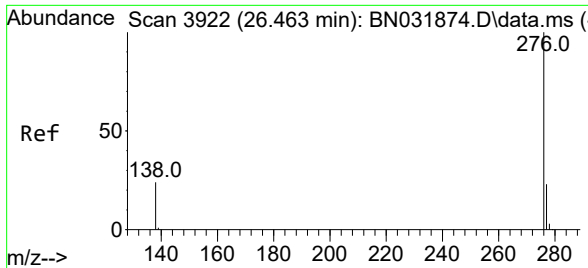
Ion Ratio Lower Upper

278 100

139 18.9 17.0 25.4

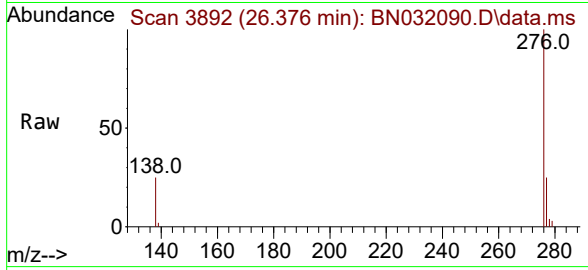
279 25.6 21.4 32.0





#41  
Benzo(g,h,i)perylene  
Concen: 0.429 ng  
RT: 26.376 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: BN032090.D  
Acq: 20 Jun 2024 04:29

Instrument :  
BNA\_N  
ClientSampleId :  
PB161445BSD



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 31921 |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 25.3  | 20.2  | 30.2  |
| 138      | 25.1  | 20.6  | 31.0  |

