

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040824\  
 Data File : BN030778.D  
 Acq On : 08 Apr 2024 20:49  
 Operator : MA/JU  
 Sample : P2002-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB01-040424

Quant Time: Apr 16 13:37:04 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN033024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 11 12:30:40 2024  
 Response via : Initial Calibration

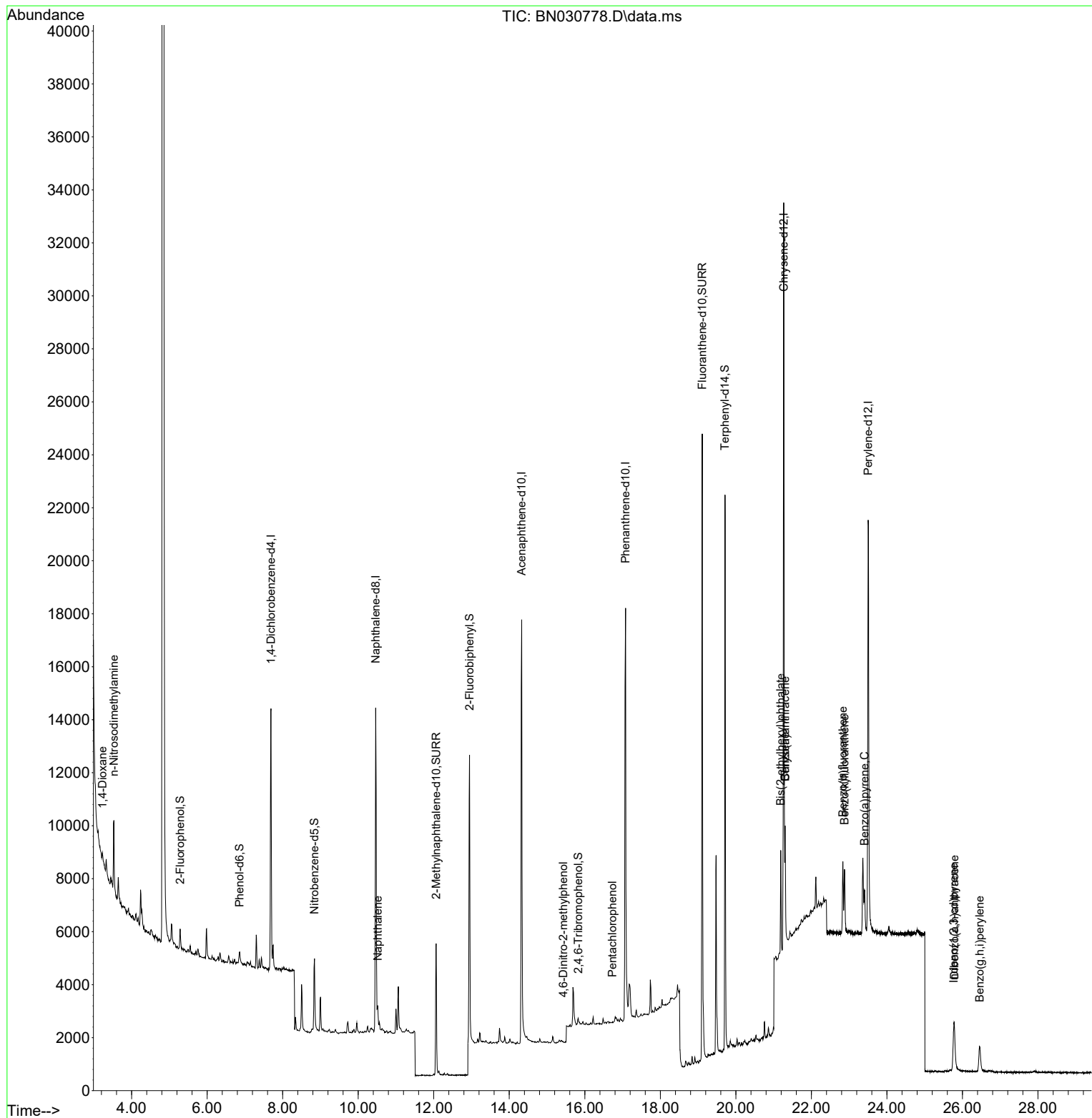
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.689  | 152  | 5289     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.464 | 136  | 16908    | 0.400 | ng    | -0.02    |
| 13) Acenaphthene-d10          | 14.327 | 164  | 10437    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.078 | 188  | 25158    | 0.400 | ng    | -0.01    |
| 29) Chrysene-d12              | 21.267 | 240  | 24966    | 0.400 | ng    | -0.02    |
| 35) Perylene-d12              | 23.504 | 264  | 22138    | 0.400 | ng    | -0.02    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.284  | 112  | 695      | 0.060 | ng    | -0.01    |
| 5) Phenol-d6                  | 6.859  | 99   | 632      | 0.043 | ng    | -0.01    |
| 8) Nitrobenzene-d5            | 8.841  | 82   | 2557     | 0.215 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.062 | 152  | 7144     | 0.276 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.824 | 330  | 174      | 0.044 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.948 | 172  | 9651     | 0.239 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 19.107 | 212  | 26222    | 0.387 | ng    | -0.02    |
| 31) Terphenyl-d14             | 19.711 | 244  | 20338    | 0.353 | ng    | -0.02    |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.226  | 88   | 326      | 0.051 | ng    | # 1      |
| 3) n-Nitrosodimethylamine     | 3.529  | 42   | 349      | 0.057 | ng    | # 1      |
| 9) Naphthalene                | 10.517 | 128  | 1108     | 0.024 | ng    | # 78     |
| 20) 4,6-Dinitro-2-methylph... | 15.428 | 198  | 5        | 0.173 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.730 | 266  | 19       | 0.174 | ng    | # 8      |
| 32) Benzo(a)anthracene        | 21.303 | 228  | 2459     | 0.028 | ng    | 92       |
| 33) Chrysene                  | 21.303 | 228  | 3276     | 0.035 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.187 | 149  | 3706     | 0.097 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.767 | 276  | 2729     | 0.028 | ng    | 95       |
| 37) Benzo(b)fluoranthene      | 22.831 | 252  | 3251     | 0.036 | ng    | # 30     |
| 38) Benzo(k)fluoranthene      | 22.875 | 252  | 3278     | 0.036 | ng    | # 32     |
| 39) Benzo(a)pyrene            | 23.407 | 252  | 1972     | 0.027 | ng    | # 1      |
| 40) Dibenzo(a,h)anthracene    | 25.784 | 278  | 2039     | 0.026 | ng    | # 52     |
| 41) Benzo(g,h,i)perylene      | 26.454 | 276  | 2257     | 0.027 | ng    | # 76     |
| -----                         |        |      |          |       |       |          |

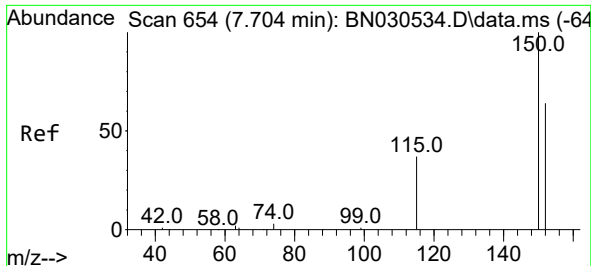
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN040824\  
Data File : BN030778.D  
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Operator : MA/JU  
Sample : P2002-02  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
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EB01-040424

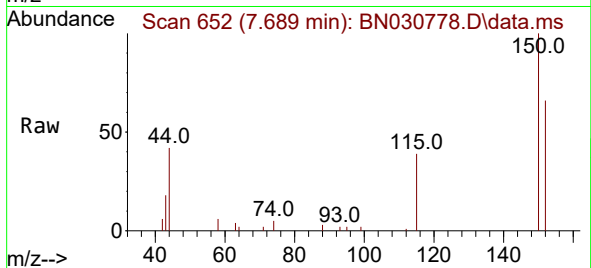
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN033024.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Apr 11 12:30:40 2024  
Response via : Initial Calibration



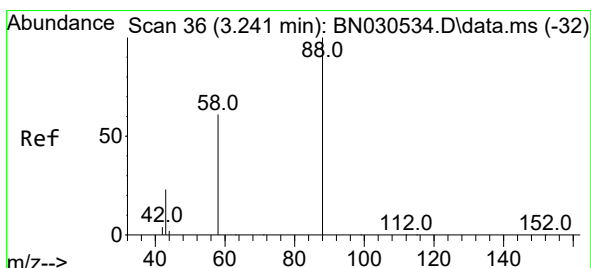
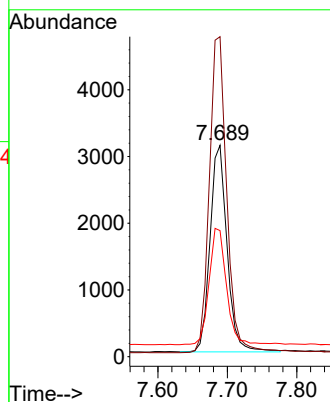
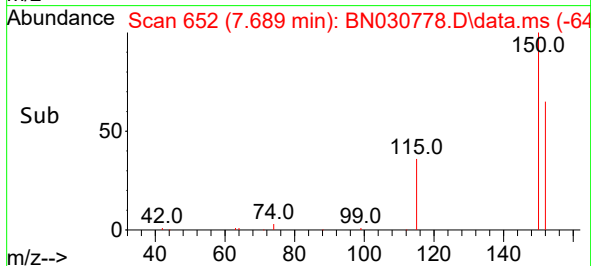


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.689 min Scan# 61  
 Delta R.T. -0.015 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

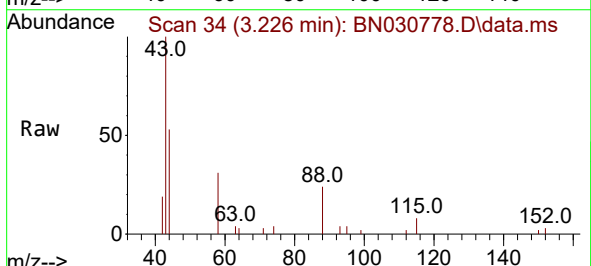
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB01-040424



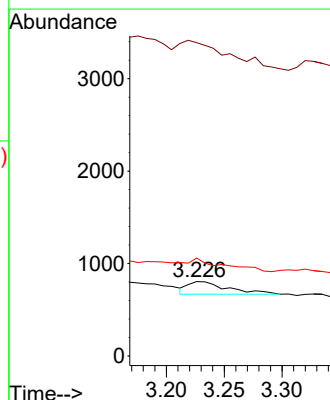
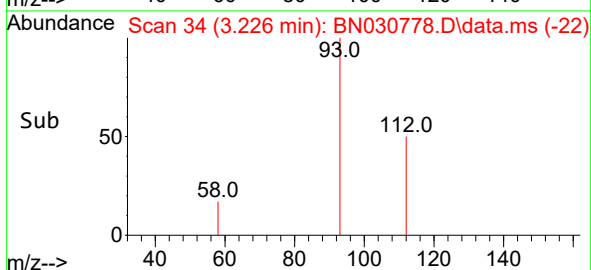
Tgt Ion:152 Resp: 5289  
 Ion Ratio Lower Upper  
 152 100  
 150 151.4 124.2 186.4  
 115 59.7 48.6 72.8

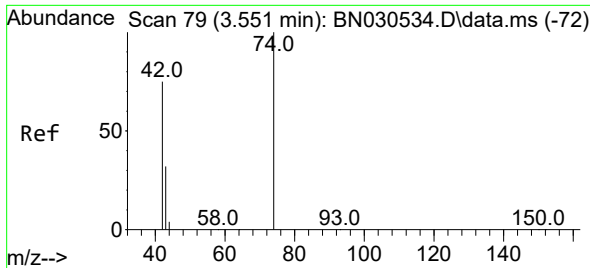


#2  
 1,4-Dioxane  
 Concen: 0.051 ng  
 RT: 3.226 min Scan# 34  
 Delta R.T. -0.014 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49



Tgt Ion: 88 Resp: 326  
 Ion Ratio Lower Upper  
 88 100  
 43 299.7 21.9 32.9#  
 58 0.0 53.4 80.2#

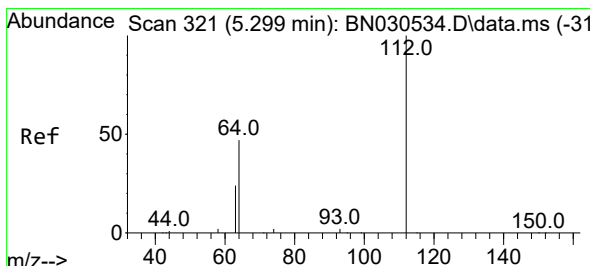
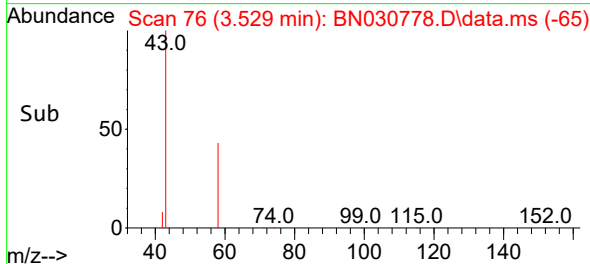
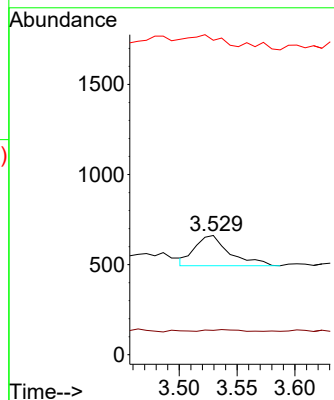
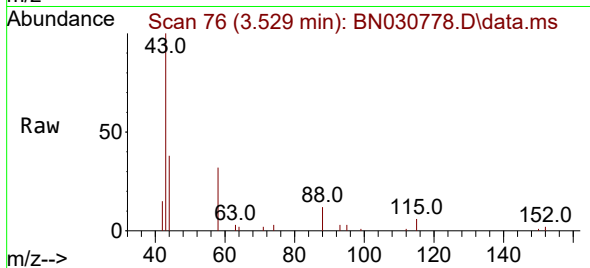




#3  
 n-Nitrosodimethylamine  
 Concen: 0.057 ng  
 RT: 3.529 min Scan# 70  
 Delta R.T. -0.022 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

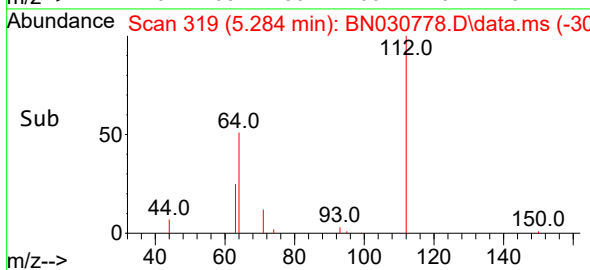
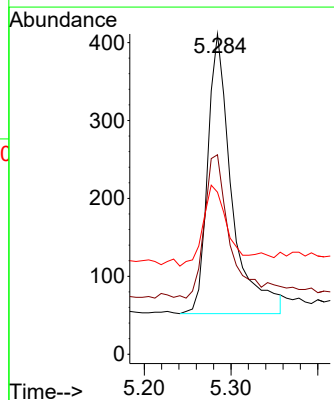
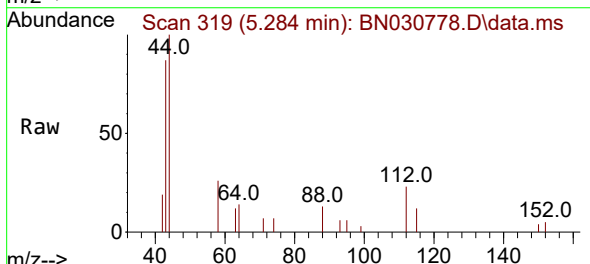
Instrument :  
 BNA\_N  
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 EB01-040424

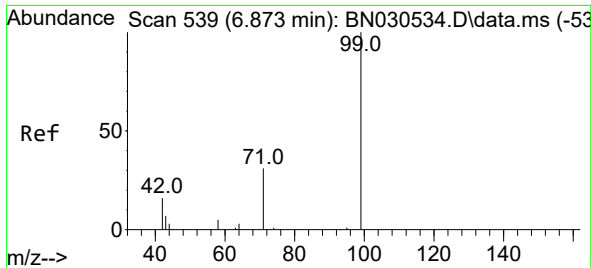
Tgt Ion: 42 Resp: 349  
 Ion Ratio Lower Upper  
 42 100  
 74 6.9 100.9 151.3#  
 44 32.7 5.8 8.6#



#4  
 2-Fluorophenol  
 Concen: 0.060 ng  
 RT: 5.284 min Scan# 319  
 Delta R.T. -0.014 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

Tgt Ion: 112 Resp: 695  
 Ion Ratio Lower Upper  
 112 100  
 64 54.7 43.2 64.8  
 63 28.9 22.5 33.7

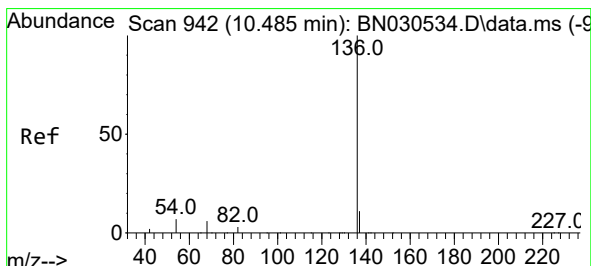
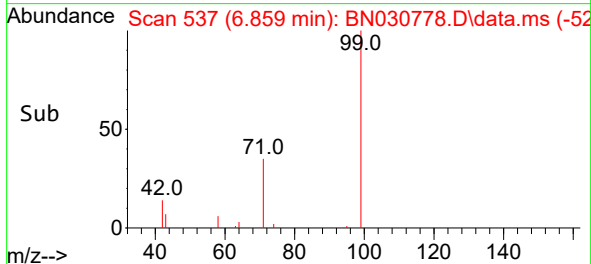
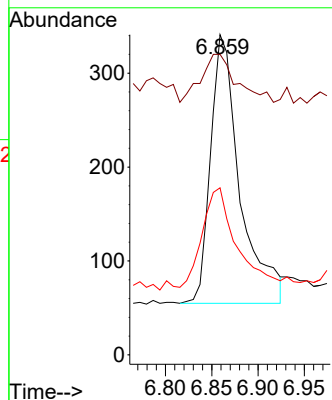
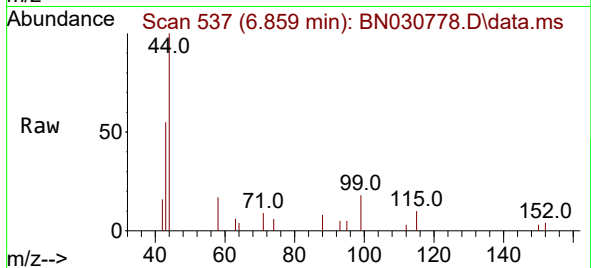




#5  
Phenol-d6  
Concen: 0.043 ng  
RT: 6.859 min Scan# 51  
Delta R.T. -0.014 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

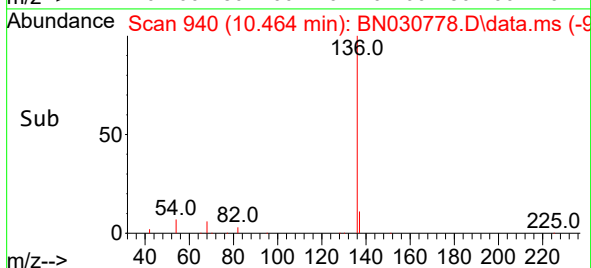
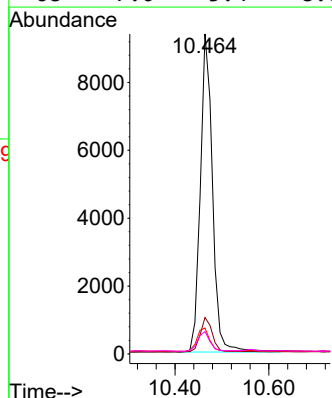
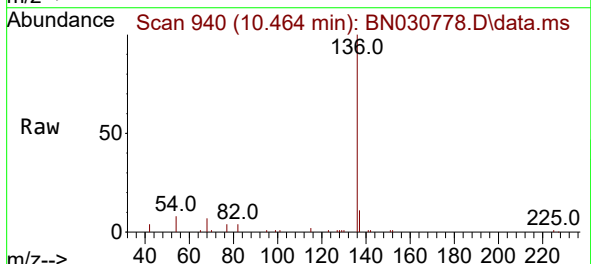
Instrument :  
BNA\_N  
ClientSampleId :  
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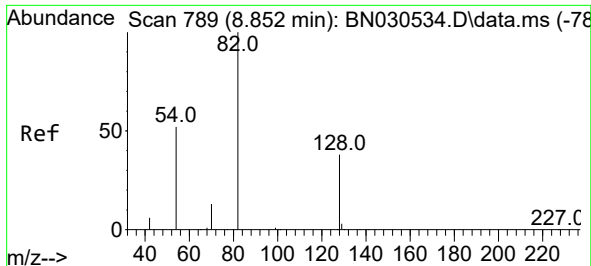
Tgt Ion: 99 Resp: 632  
Ion Ratio Lower Upper  
99 100  
42 21.4 15.8 23.6  
71 42.9 25.9 38.9#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.464 min Scan# 940  
Delta R.T. -0.021 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion: 136 Resp: 16908  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.1 13.7  
54 8.1 6.4 9.6  
68 7.0 5.4 8.0

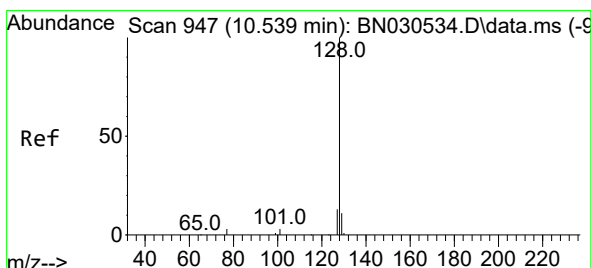
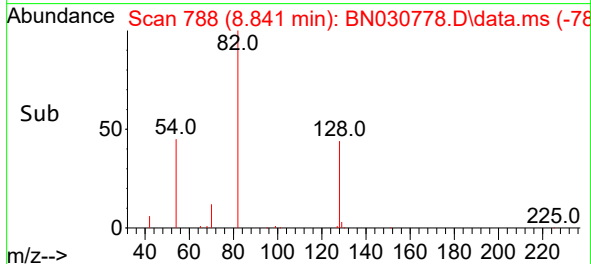
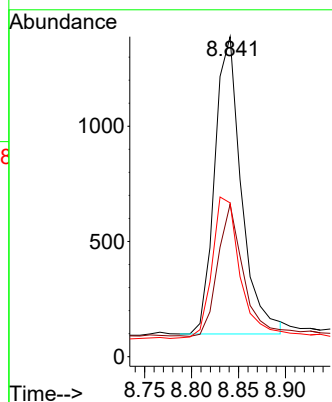
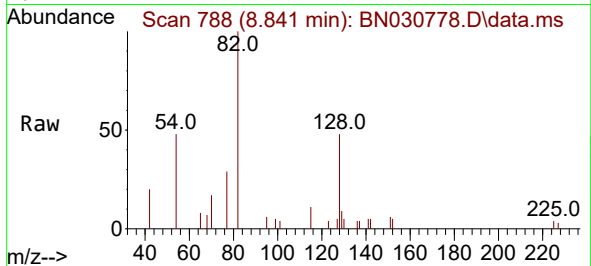




#8  
Nitrobenzene-d5  
Concen: 0.215 ng  
RT: 8.841 min Scan# 788  
Delta R.T. -0.011 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

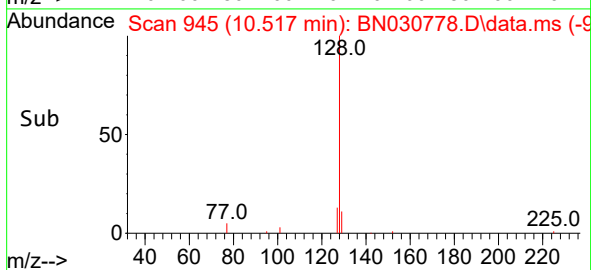
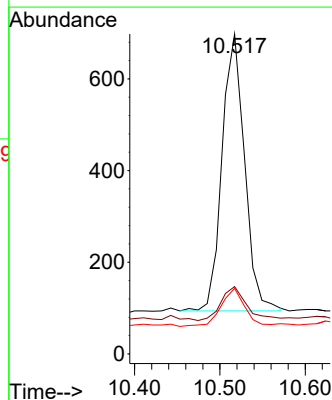
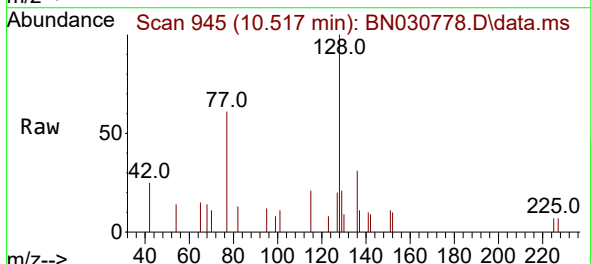
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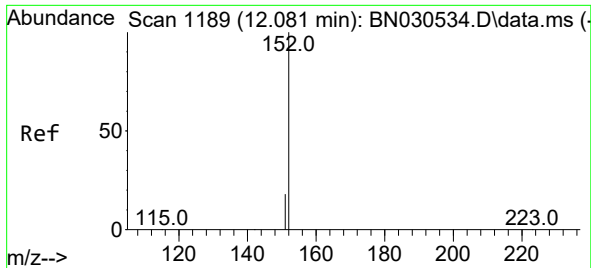
Tgt Ion: 82 Resp: 2557  
Ion Ratio Lower Upper  
82 100  
128 47.7 32.3 48.5  
54 48.0 42.7 64.1



#9  
Naphthalene  
Concen: 0.024 ng  
RT: 10.517 min Scan# 945  
Delta R.T. -0.021 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion: 128 Resp: 1108  
Ion Ratio Lower Upper  
128 100  
129 21.1 9.0 13.6#  
127 20.5 10.5 15.7#

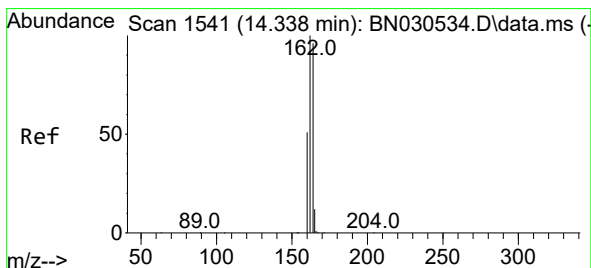
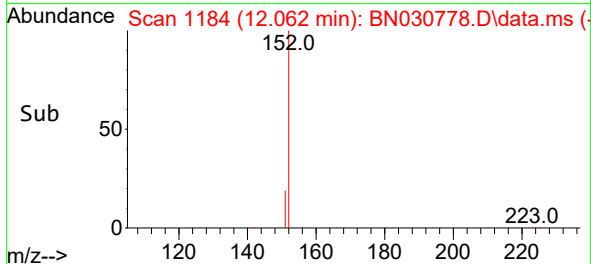
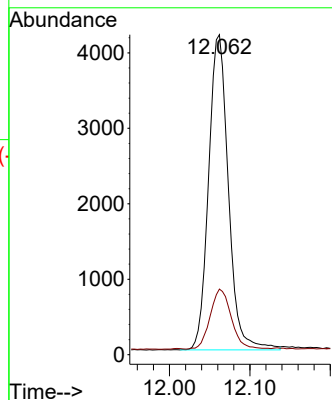
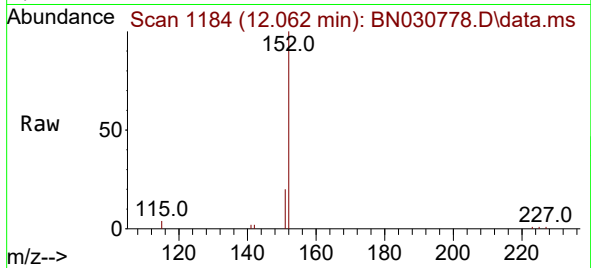




#11  
 2-Methylnaphthalene-d10  
 Concen: 0.276 ng  
 RT: 12.062 min Scan# 1184  
 Delta R.T. -0.019 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

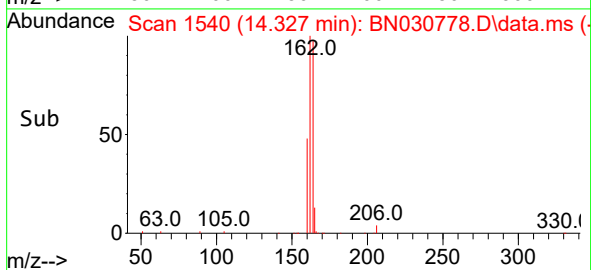
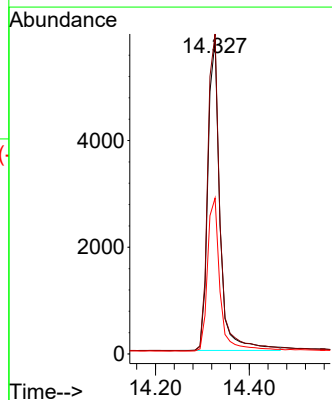
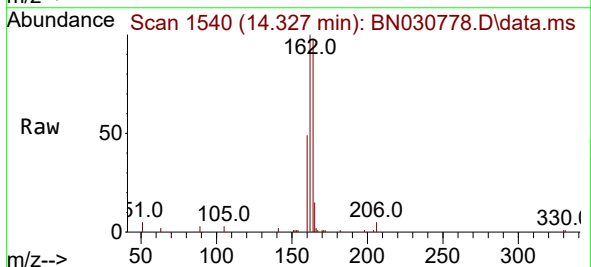
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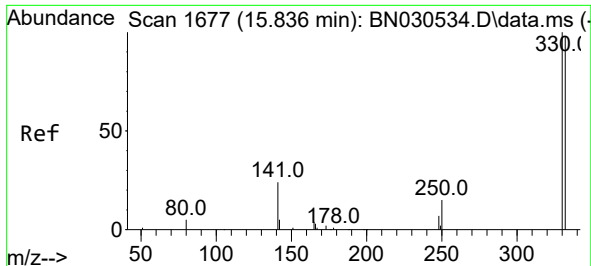
Tgt Ion:152 Resp: 7144  
 Ion Ratio Lower Upper  
 152 100  
 151 20.2 16.7 25.1



#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.327 min Scan# 1540  
 Delta R.T. -0.011 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

Tgt Ion:164 Resp: 10437  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 83.5 125.3  
 160 49.6 42.5 63.7

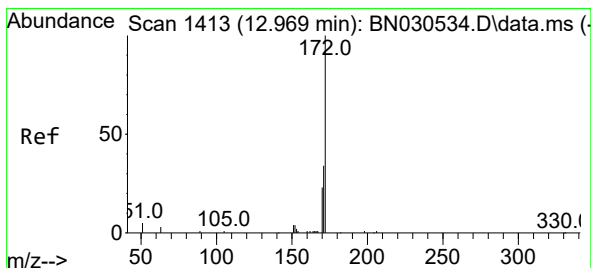
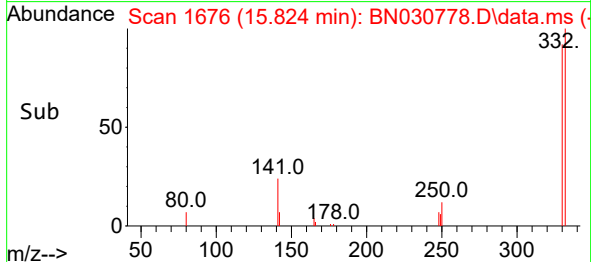
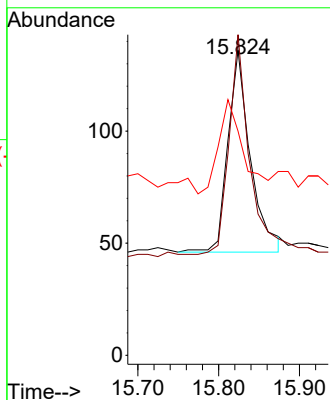
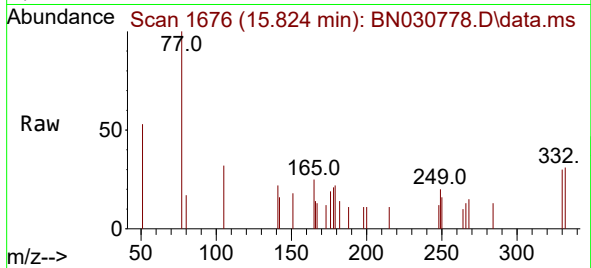




#14  
2,4,6-Tribromophenol  
Concen: 0.044 ng  
RT: 15.824 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

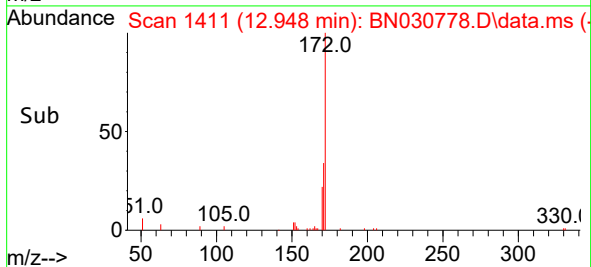
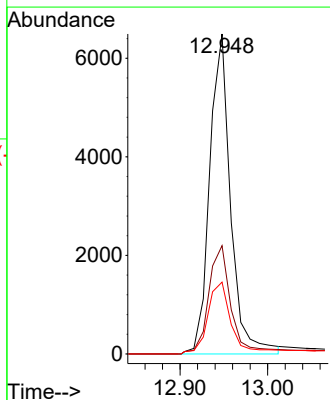
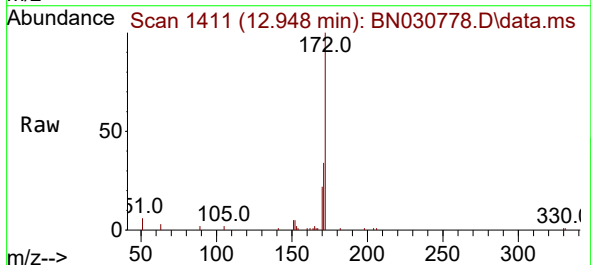
Instrument :  
BNA\_N  
ClientSampleId :  
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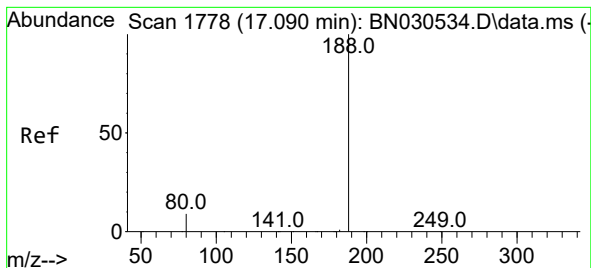
Tgt Ion:330 Resp: 174  
Ion Ratio Lower Upper  
330 100  
332 97.7 77.0 115.6  
141 51.1 35.9 53.9



#15  
2-Fluorobiphenyl  
Concen: 0.239 ng  
RT: 12.948 min Scan# 1411  
Delta R.T. -0.021 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion:172 Resp: 9651  
Ion Ratio Lower Upper  
172 100  
171 33.9 27.1 40.7  
170 22.4 18.3 27.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.078 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

Instrument :

BNA\_N

ClientSampleId :

EB01-040424

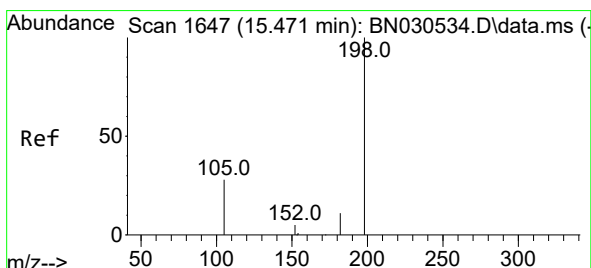
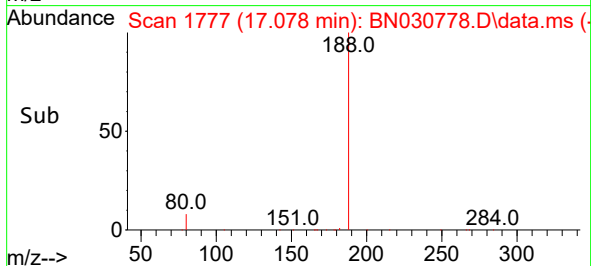
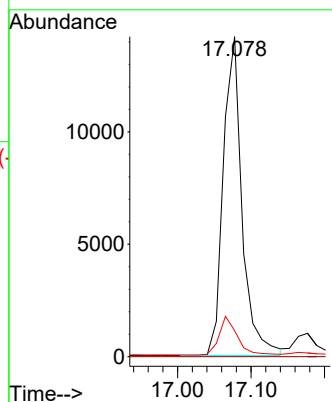
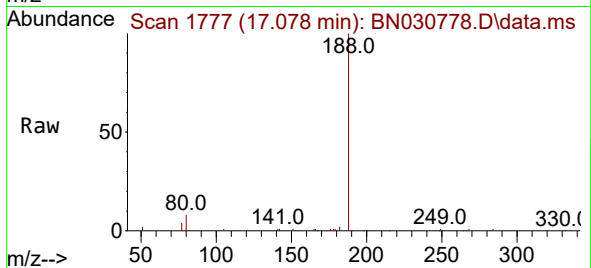
Tgt Ion:188 Resp: 25158

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.2 7.4 11.0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.173 ng

RT: 15.428 min Scan# 1643

Delta R.T. -0.043 min

Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

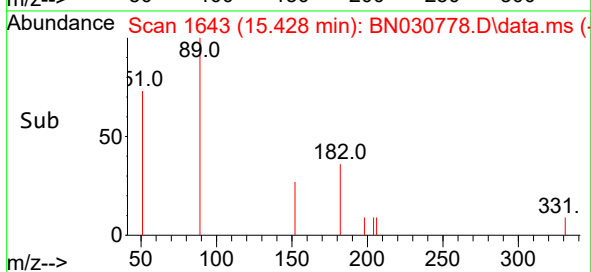
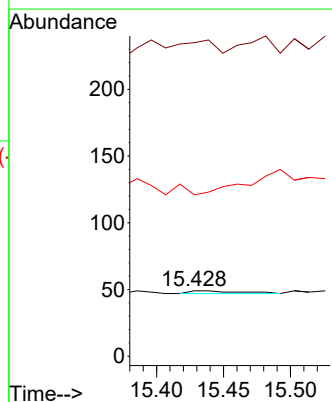
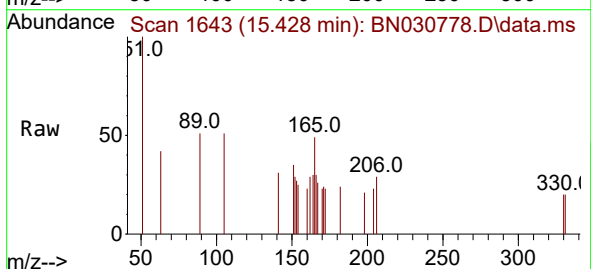
Tgt Ion:198 Resp: 5

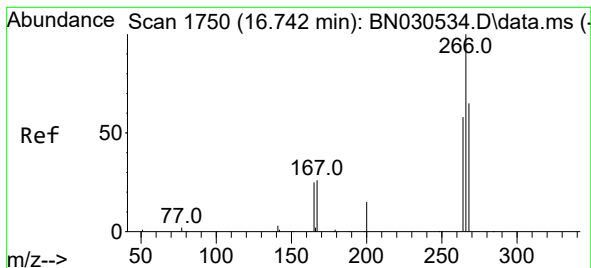
Ion Ratio Lower Upper

198 100

51 479.6 57.8 86.6#

105 246.9 37.5 56.3#





#24

Pentachlorophenol

Concen: 0.174 ng

RT: 16.730 min Scan# 11

Delta R.T. -0.012 min

Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

Instrument :

BNA\_N

ClientSampleId :

EB01-040424

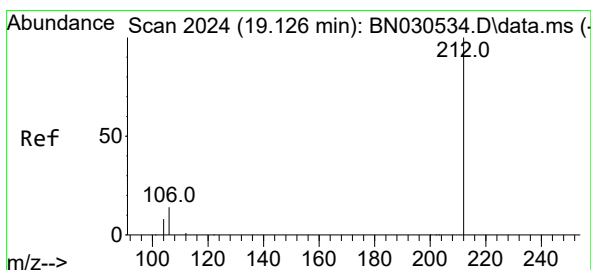
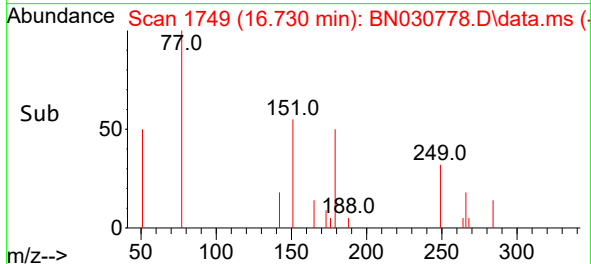
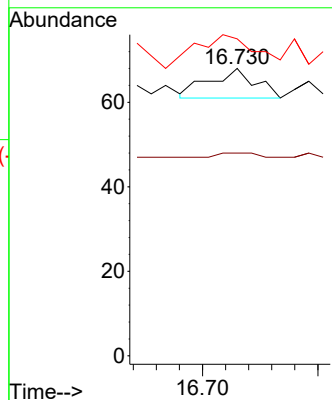
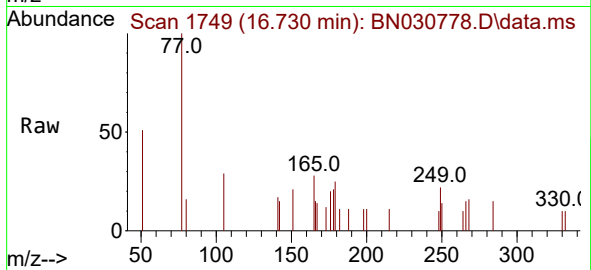
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

264 10.5 48.7 73.1#

268 152.6 49.5 74.3#



#27

Fluoranthene-d10

Concen: 0.387 ng

RT: 19.107 min Scan# 2020

Delta R.T. -0.019 min

Lab File: BN030778.D

Acq: 08 Apr 2024 20:49

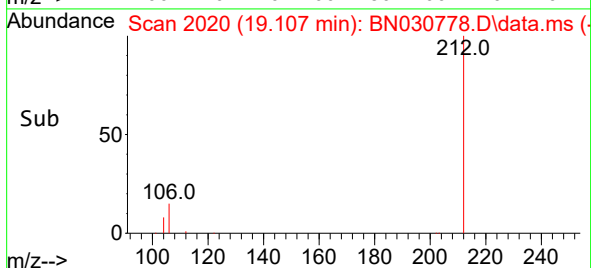
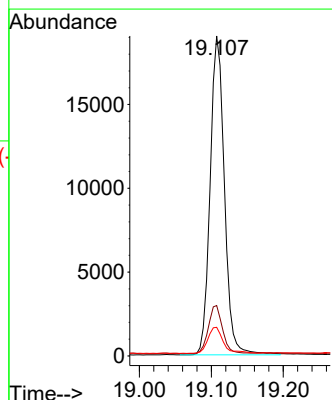
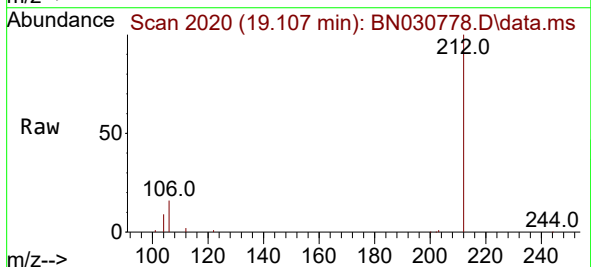
Tgt Ion:212 Resp: 26222

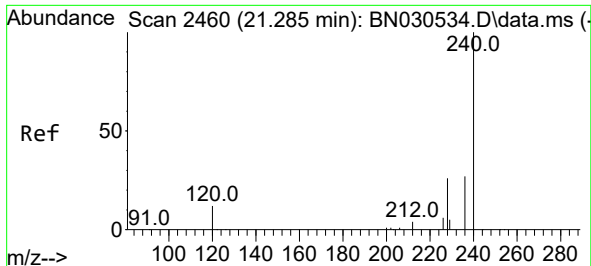
Ion Ratio Lower Upper

212 100

106 15.1 11.8 17.6

104 8.7 6.6 9.8

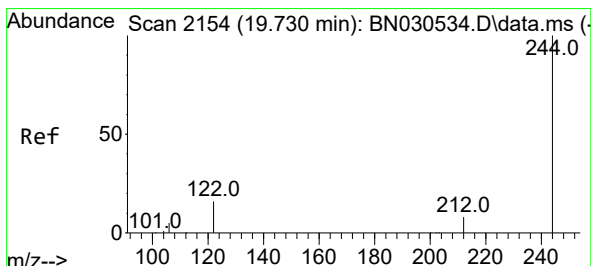
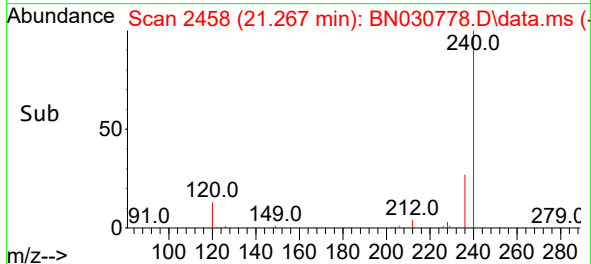
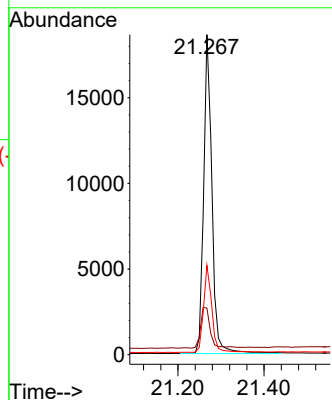
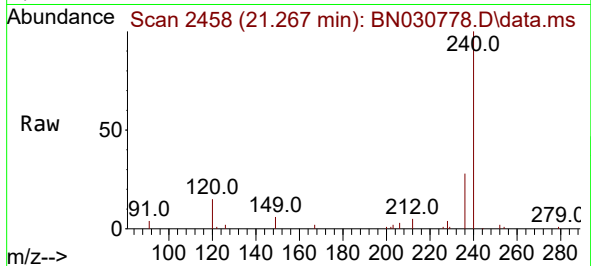




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.267 min Scan# 2458  
Delta R.T. -0.018 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

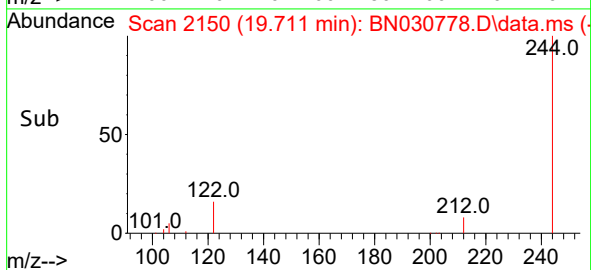
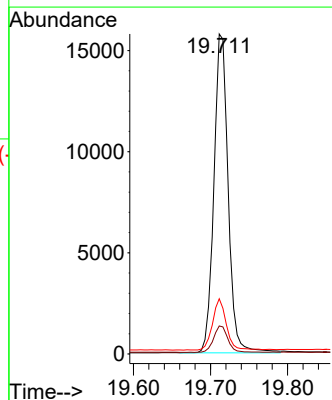
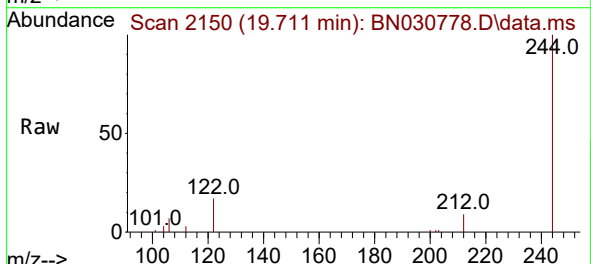
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-040424

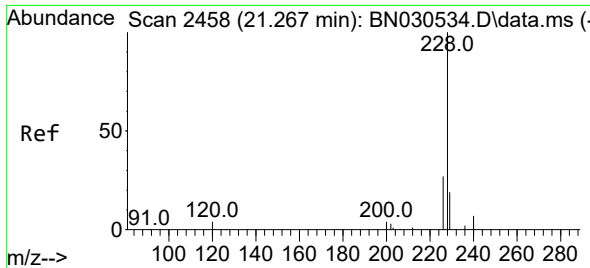
Tgt Ion:240 Resp: 24966  
Ion Ratio Lower Upper  
240 100  
120 14.5 10.6 15.8  
236 27.9 22.1 33.1



#31  
Terphenyl-d14  
Concen: 0.353 ng  
RT: 19.711 min Scan# 2150  
Delta R.T. -0.019 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion:244 Resp: 20338  
Ion Ratio Lower Upper  
244 100  
212 8.7 6.9 10.3  
122 17.3 12.7 19.1

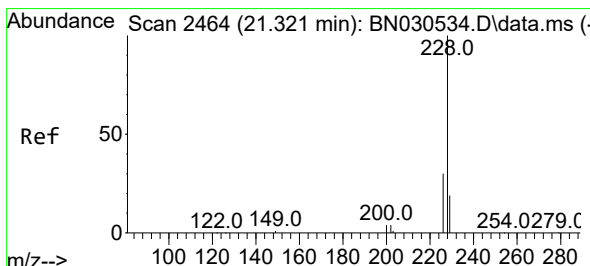
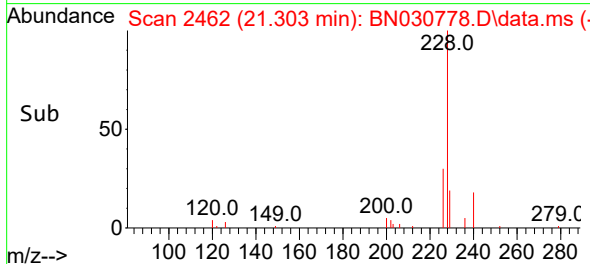
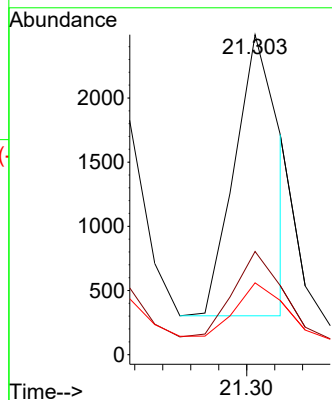
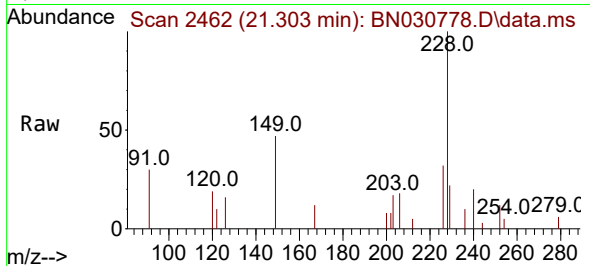




#32  
Benzo(a)anthracene  
Concen: 0.028 ng  
RT: 21.303 min Scan# 2458  
Delta R.T. 0.036 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

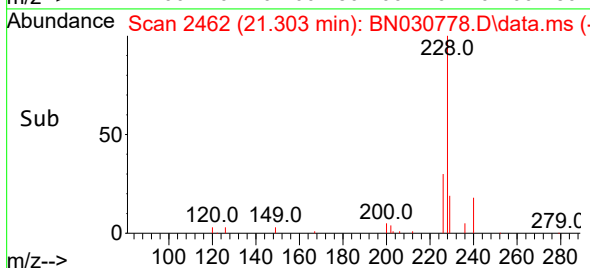
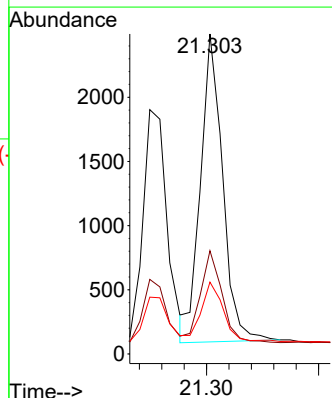
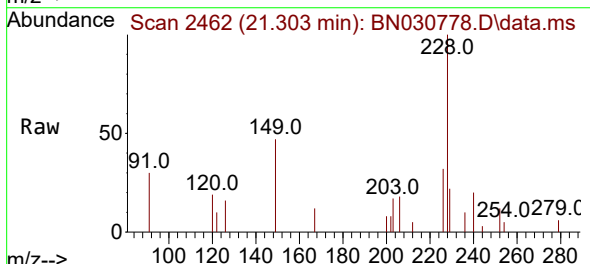
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-040424

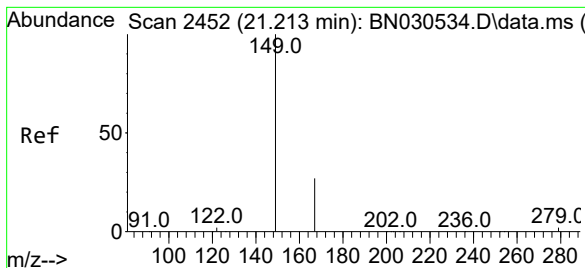
Tgt Ion:228 Resp: 2459  
Ion Ratio Lower Upper  
228 100  
226 32.3 21.8 32.8  
229 22.5 15.4 23.2



#33  
Chrysene  
Concen: 0.035 ng  
RT: 21.303 min Scan# 2462  
Delta R.T. -0.018 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion:228 Resp: 3276  
Ion Ratio Lower Upper  
228 100  
226 32.3 24.3 36.5  
229 22.5 15.8 23.6

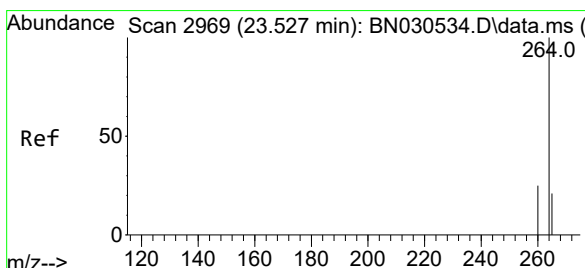
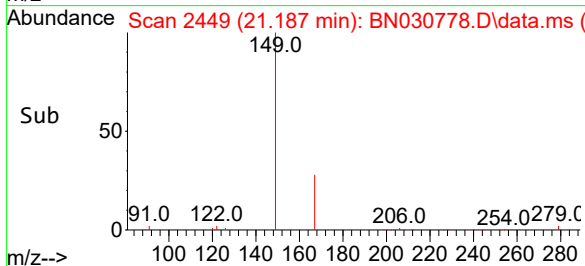
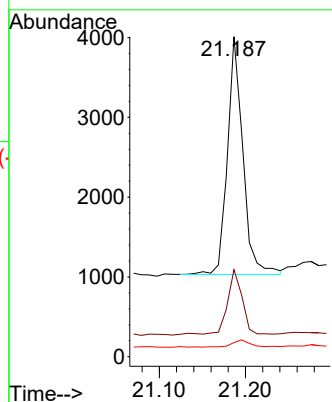
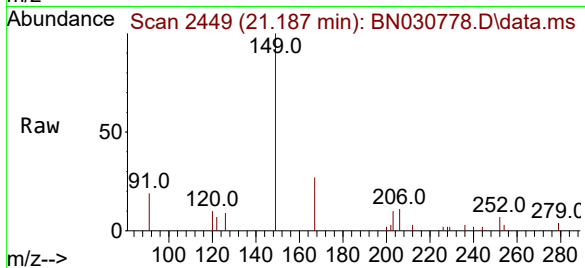




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.097 ng  
 RT: 21.187 min Scan# 2449  
 Delta R.T. -0.027 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

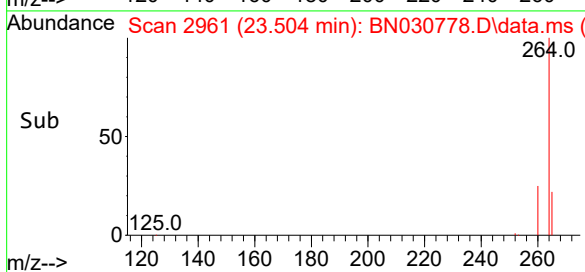
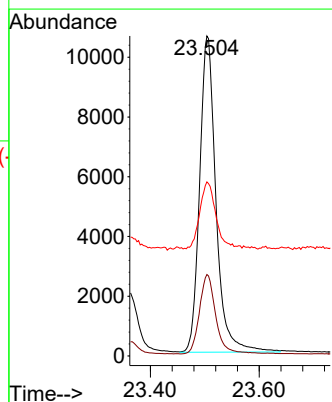
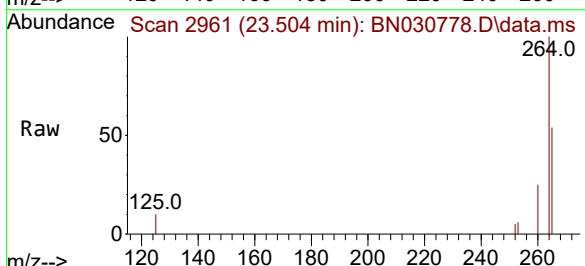
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB01-040424

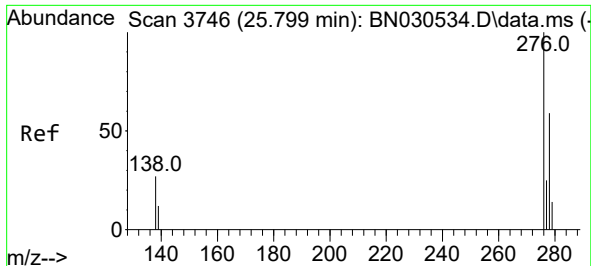
Tgt Ion:149 Resp: 3706  
 Ion Ratio Lower Upper  
 149 100  
 167 27.4 21.4 32.0  
 279 3.6 2.3 3.5#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.504 min Scan# 2961  
 Delta R.T. -0.023 min  
 Lab File: BN030778.D  
 Acq: 08 Apr 2024 20:49

Tgt Ion:264 Resp: 22138  
 Ion Ratio Lower Upper  
 264 100  
 260 25.5 20.6 30.8  
 265 54.4 41.8 62.8

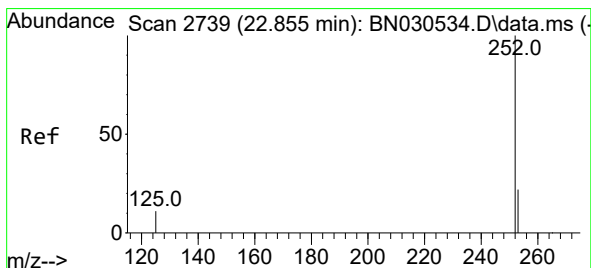
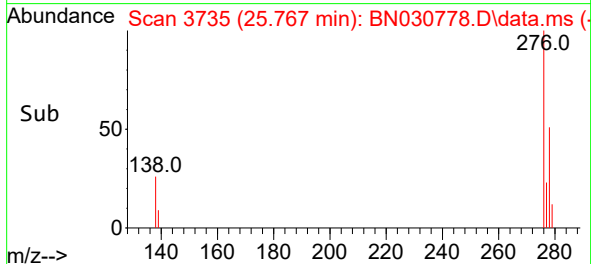
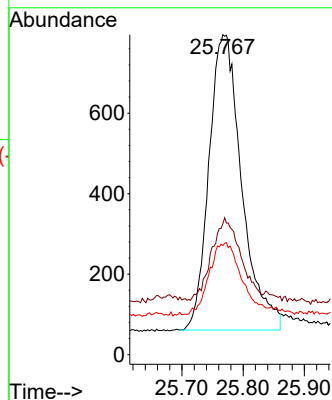
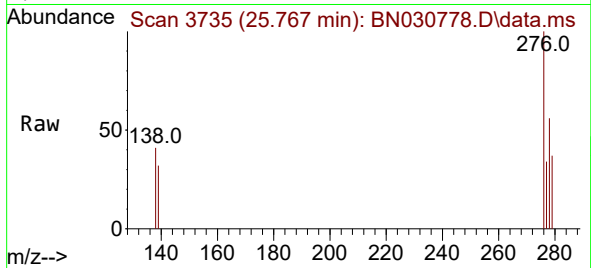




#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.028 ng  
RT: 25.767 min Scan# 31  
Delta R.T. -0.032 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

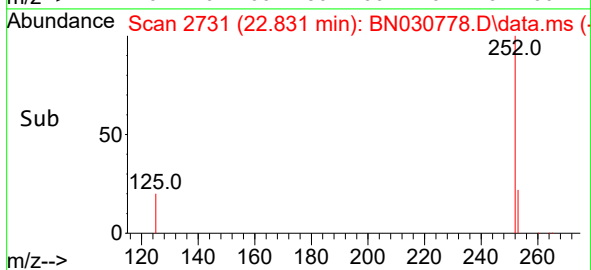
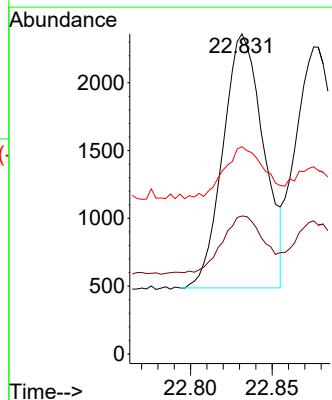
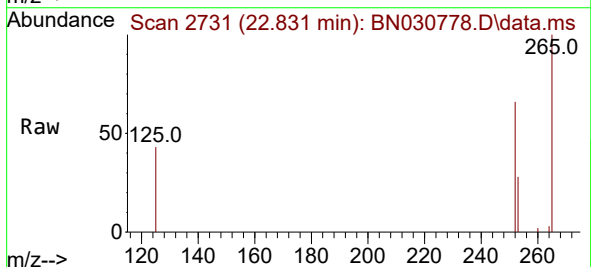
Instrument :  
BNA\_N  
ClientSampleId :  
EB01-040424

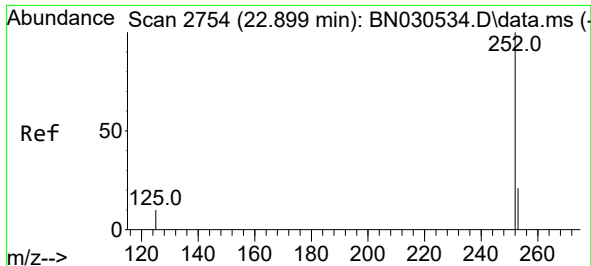
Tgt Ion:276 Resp: 2729  
Ion Ratio Lower Upper  
276 100  
138 24.6 23.0 34.4  
277 23.6 20.1 30.1



#37  
Benzo(b)fluoranthene  
Concen: 0.036 ng  
RT: 22.831 min Scan# 2731  
Delta R.T. -0.023 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

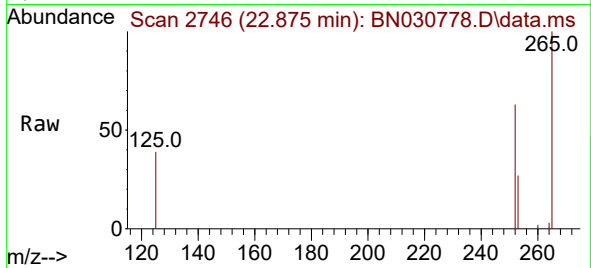
Tgt Ion:252 Resp: 3251  
Ion Ratio Lower Upper  
252 100  
253 43.1 19.2 28.8#  
125 64.7 11.7 17.5#



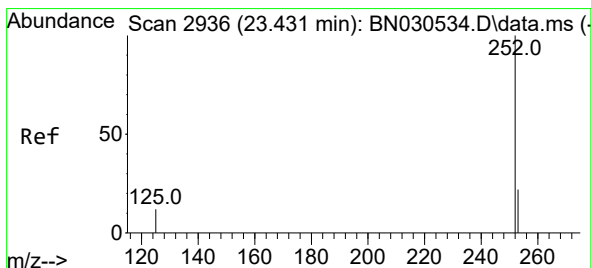
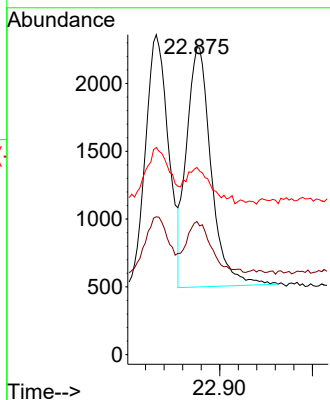


#38  
Benzo(k)fluoranthene  
Concen: 0.036 ng  
RT: 22.875 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-040424

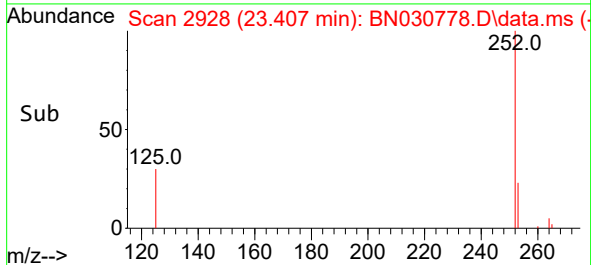
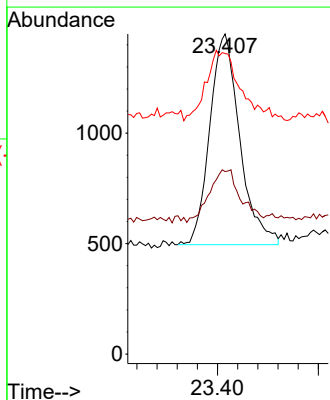
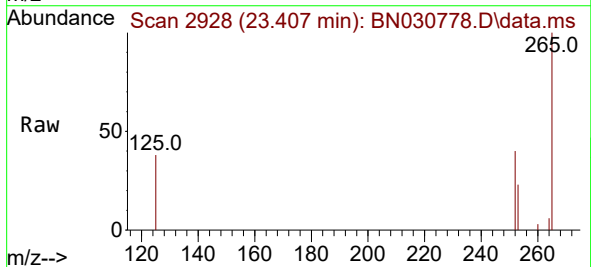


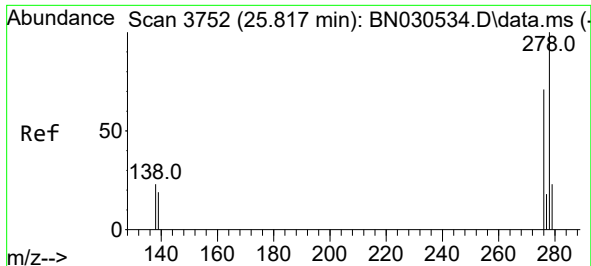
Tgt Ion:252 Resp: 3278  
Ion Ratio Lower Upper  
252 100  
253 43.4 18.9 28.3#  
125 60.9 11.5 17.3#



#39  
Benzo(a)pyrene  
Concen: 0.027 ng  
RT: 23.407 min Scan# 2928  
Delta R.T. -0.023 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion:252 Resp: 1972  
Ion Ratio Lower Upper  
252 100  
253 57.0 20.0 30.0#  
125 93.9 14.3 21.5#

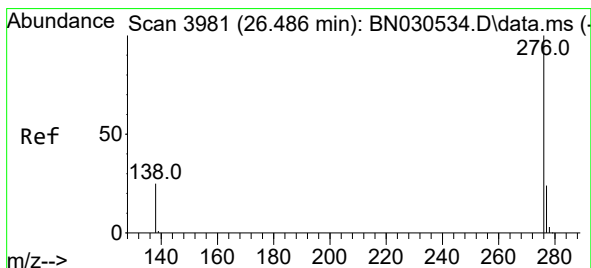
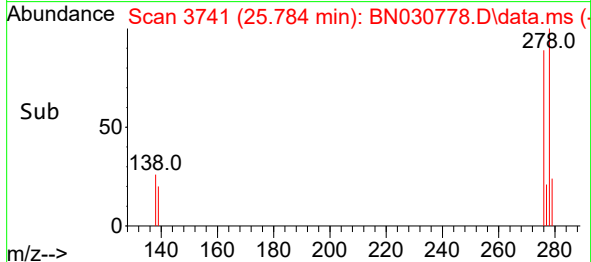
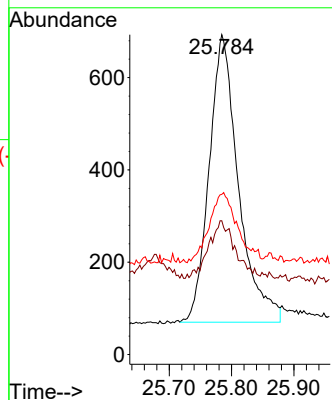
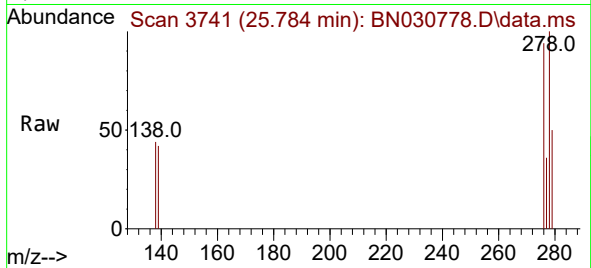




#40  
Dibenzo(a,h)anthracene  
Concen: 0.026 ng  
RT: 25.784 min Scan# 31  
Delta R.T. -0.032 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Instrument :  
BNA\_N  
ClientSampleId :  
EB01-040424

Tgt Ion:278 Resp: 2039  
Ion Ratio Lower Upper  
278 100  
139 41.8 16.2 24.2#  
279 50.1 20.6 30.8#



#41  
Benzo(g,h,i)perylene  
Concen: 0.027 ng  
RT: 26.454 min Scan# 3970  
Delta R.T. -0.032 min  
Lab File: BN030778.D  
Acq: 08 Apr 2024 20:49

Tgt Ion:276 Resp: 2257  
Ion Ratio Lower Upper  
276 100  
277 34.1 19.8 29.6#  
138 40.5 20.6 31.0#

