

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092524\  
 Data File : BN034231.D  
 Acq On : 25 Sep 2024 18:58  
 Operator : RC/JU  
 Sample : P4164-05  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW02D-20240919

Quant Time: Sep 26 00:38:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 18 16:09:28 2024  
 Response via : Initial Calibration

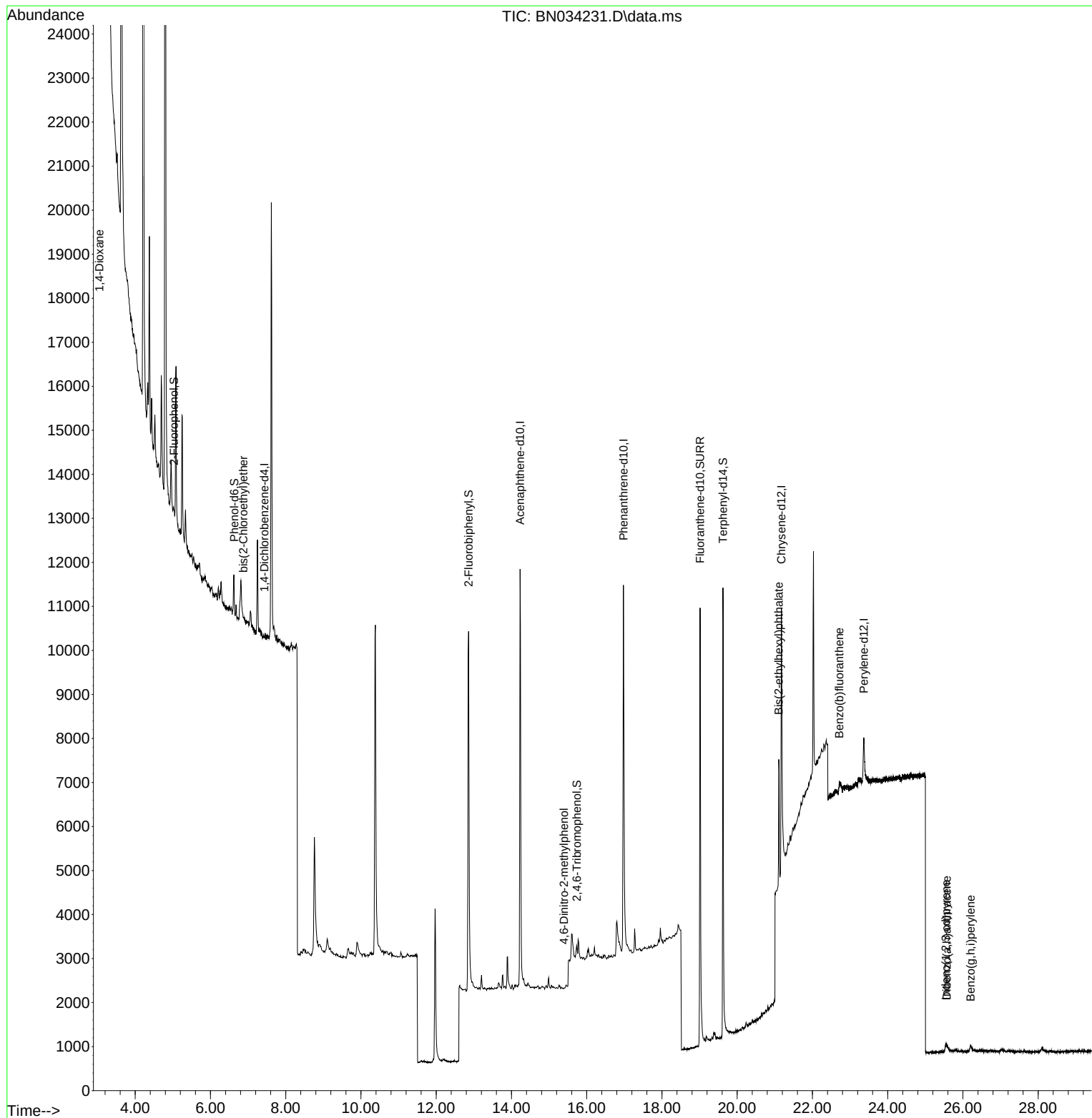
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.430  | 152  | 9        | 0.400   | ng    | # 0.00   |
| 7) Naphthalene-d8             | 0.000  | 136  | 0        | 0.000   | ng    | -10.20   |
| 13) Acenaphthene-d10          | 14.229 | 164  | 5113     | 0.400   | ng    | 0.15     |
| 19) Phenanthrene-d10          | 16.977 | 188  | 13759    | 0.400   | ng    | # 0.13   |
| 29) Chrysene-d12              | 21.176 | 240  | 8311     | 0.400   | ng    | # 0.12   |
| 35) Perylene-d12              | 23.365 | 264  | 1932     | 0.400   | ng    | # 0.18   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) 2-Fluorophenol             | 5.033  | 112  | 6        | 0.235   | ng    | -0.04    |
| 5) Phenol-d6                  | 6.629  | 99   | 9        | 0.303   | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.610  | 82   | 29       | 0.000   | ng    | 0.04     |
| 11) 2-Methylnaphthalene-d10   | 11.791 | 152  | 3        | 0.000   | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.735 | 330  | 283      | 0.122   | ng    | 0.15     |
| 15) 2-Fluorobiphenyl          | 12.861 | 172  | 9855     | 0.474   | ng    | 0.16     |
| 27) Fluoranthene-d10          | 19.013 | 212  | 12700    | 0.366   | ng    | 0.13     |
| 31) Terphenyl-d14             | 19.621 | 244  | 10931    | 0.659   | ng    | 0.12     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.047  | 88   | 4411     | 392.028 | ng    | # 1      |
| 6) bis(2-Chloroethyl)ether    | 6.874  | 93   | 6        | 0.228   | ng    | # 1      |
| 20) 4,6-Dinitro-2-methylph... | 15.394 | 198  | 4        | 0.139   | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.104 | 149  | 2708     | 0.247   | ng    | # 97     |
| 36) Indeno(1,2,3-cd)pyrene    | 25.543 | 276  | 250      | 0.030   | ng    | # 50     |
| 37) Benzo(b)fluoranthene      | 22.716 | 252  | 273      | 0.036   | ng    | # 1      |
| 40) Dibenzo(a,h)anthracene    | 25.569 | 278  | 230      | 0.036   | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 26.207 | 276  | 273      | 0.038   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

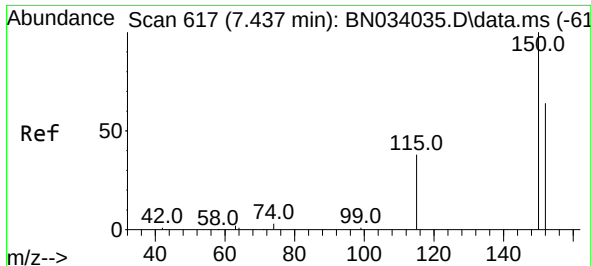
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RW8-MW02D-20240919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 18 16:09:28 2024  
Response via : Initial Calibration

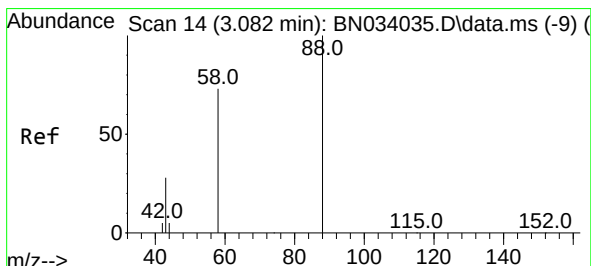
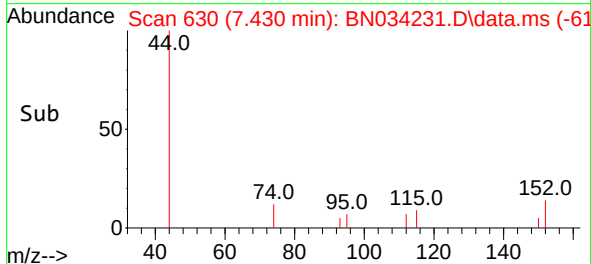
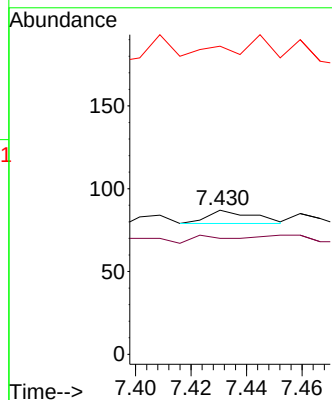
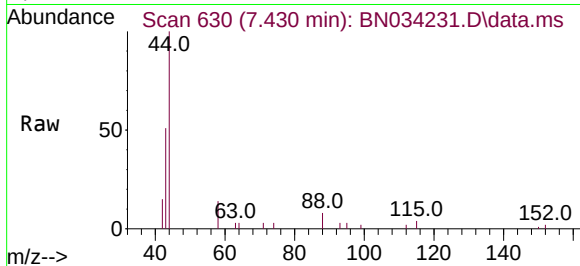




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.430 min Scan# 61  
 Delta R.T. -0.007 min  
 Lab File: BN034231.D  
 Acq: 25 Sep 2024 18:58

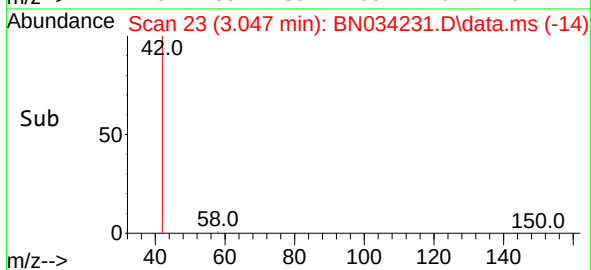
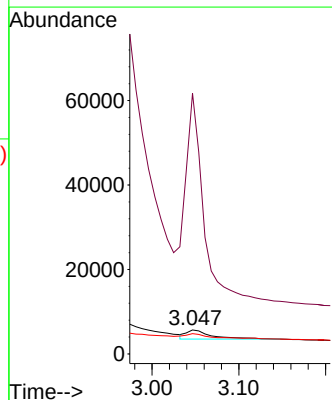
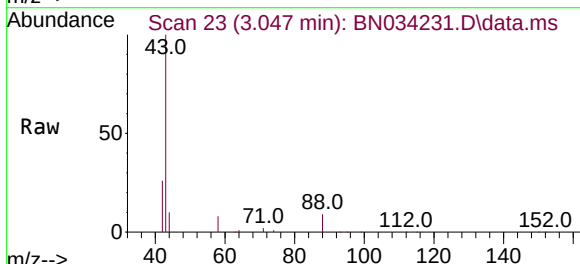
Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW8-MW02D-20240919

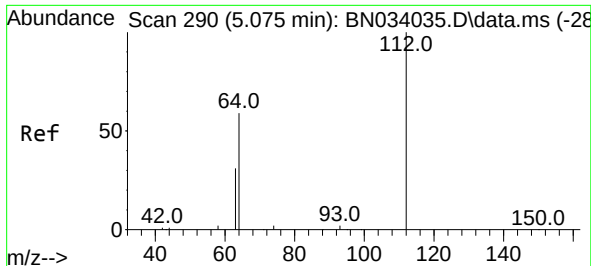
Tgt Ion:152 Resp: 9  
 Ion Ratio Lower Upper  
 152 100  
 150 80.5 124.6 187.0#  
 115 213.8 50.0 75.0#



#2  
 1,4-Dioxane  
 Concen: 392.028 ng  
 RT: 3.047 min Scan# 23  
 Delta R.T. -0.035 min  
 Lab File: BN034231.D  
 Acq: 25 Sep 2024 18:58

Tgt Ion: 88 Resp: 4411  
 Ion Ratio Lower Upper  
 88 100  
 43 1645.0 25.8 38.8#  
 58 69.1 58.8 88.2

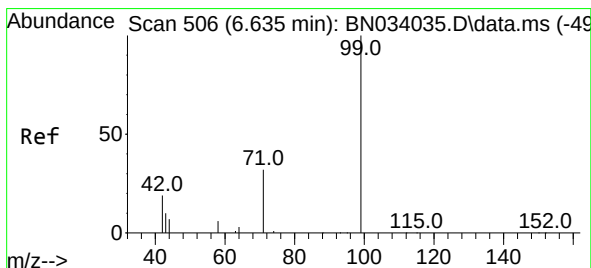
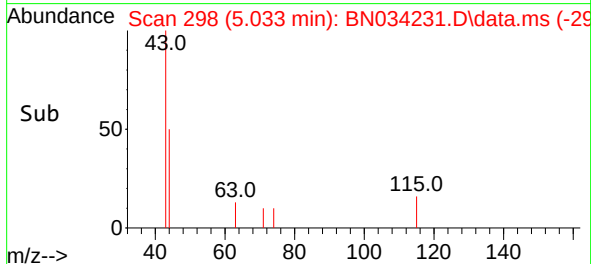
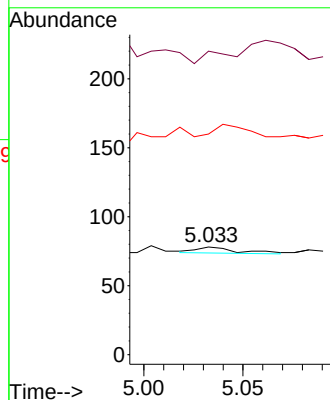
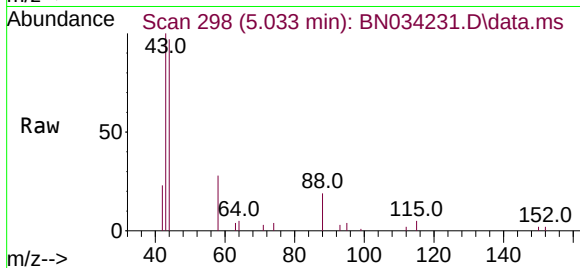




#4  
2-Fluorophenol  
Concen: 0.235 ng  
RT: 5.033 min Scan# 290  
Delta R.T. -0.042 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

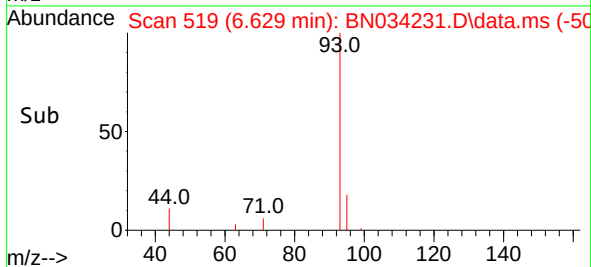
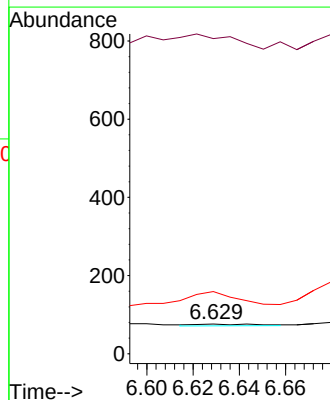
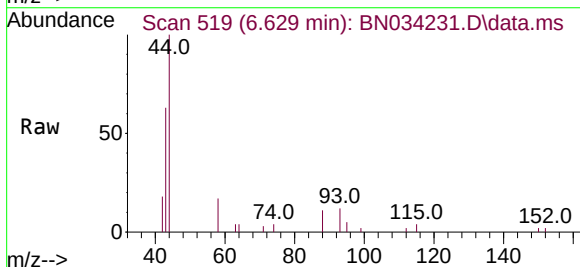
Instrument :  
BNA\_N  
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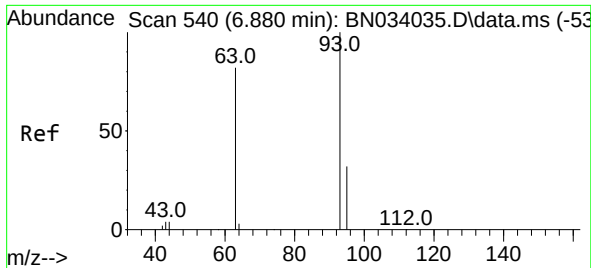
Tgt Ion:112 Resp: 6  
Ion Ratio Lower Upper  
112 100  
64 0.0 48.6 72.8#  
63 283.3 25.6 38.4#



#5  
Phenol-d6  
Concen: 0.303 ng  
RT: 6.629 min Scan# 519  
Delta R.T. -0.006 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Tgt Ion: 99 Resp: 9  
Ion Ratio Lower Upper  
99 100  
42 1188.9 17.8 26.8#  
71 633.3 26.2 39.2#

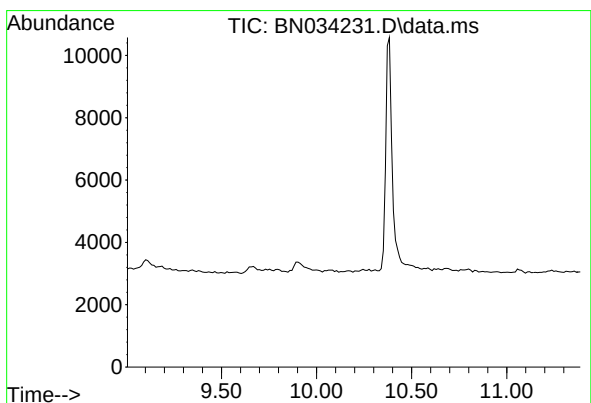
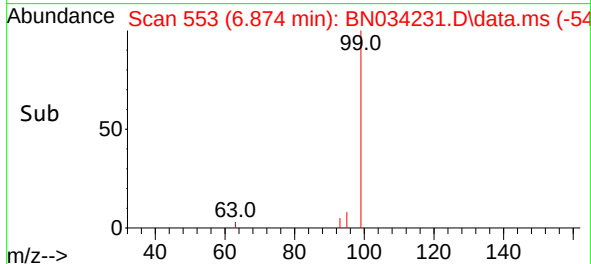
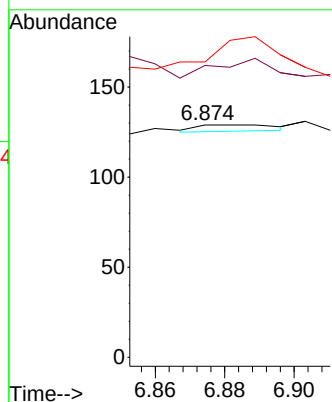
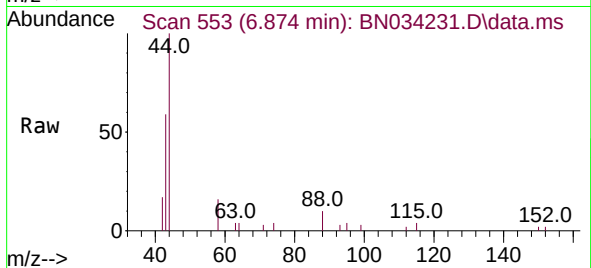




#6  
bis(2-Chloroethyl)ether  
Concen: 0.228 ng  
RT: 6.874 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW02D-20240919

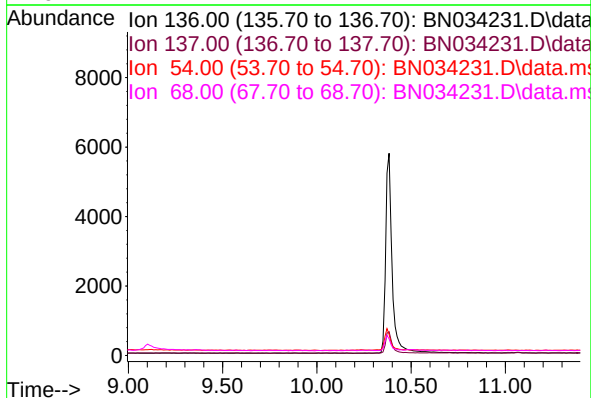
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 6      |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 200.0 | 67.3  | 100.9# |
| 95       | 766.7 | 26.8  | 40.2#  |

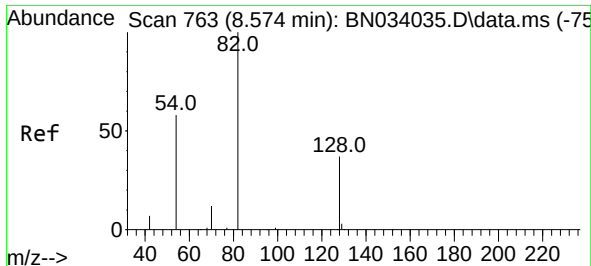


#7  
Naphthalene-d8  
Concen: 0.000 ng  
Expected RT: 10.20 min

Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

|          |           |
|----------|-----------|
| Tgt Ion: | 136       |
| Sig      | Exp Ratio |
| 136      | 100       |
| 137      | 11.3      |
| 54       | 8.5       |
| 68       | 6.3       |

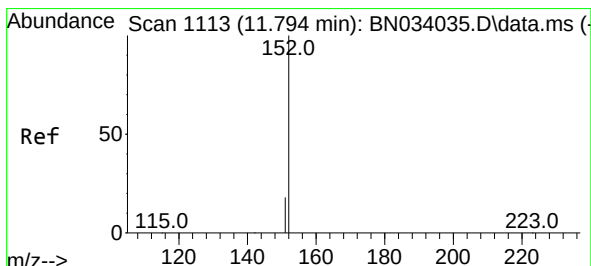
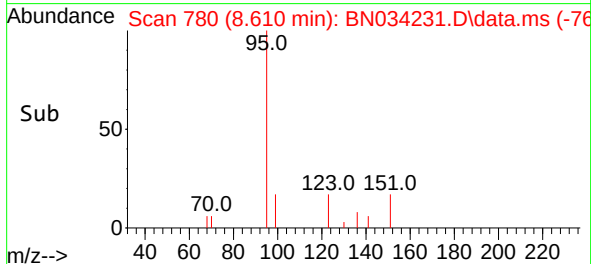
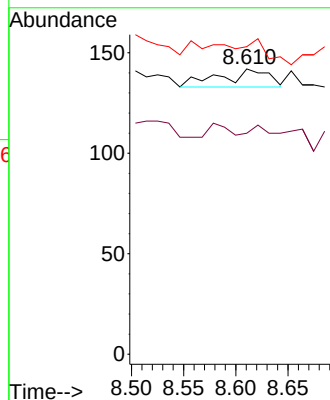
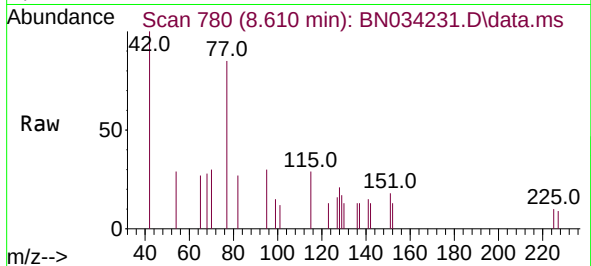




#8  
Nitrobenzene-d5  
Concen: 0.000 ng  
RT: 8.610 min Scan# 71  
Delta R.T. 0.037 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

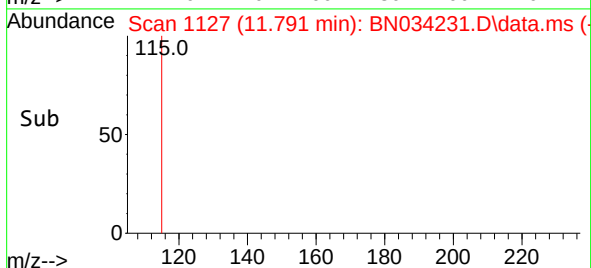
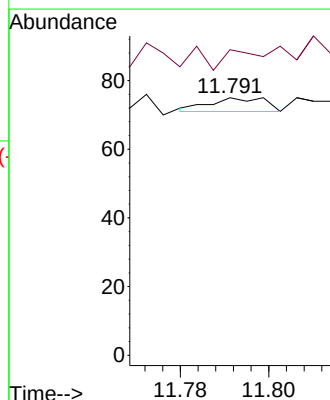
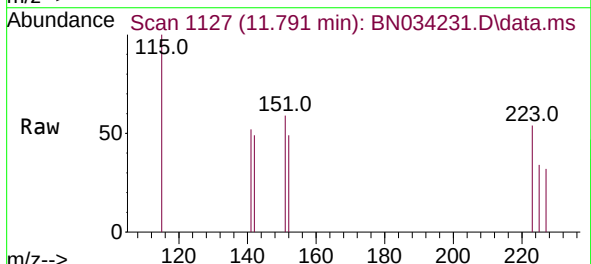
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW02D-20240919

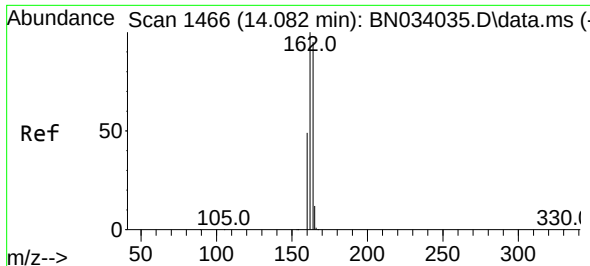
Tgt Ion: 82 Resp: 29  
Ion Ratio Lower Upper  
82 100  
128 77.5 31.4 47.2#  
54 107.7 47.4 71.0#



#11  
2-Methylnaphthalene-d10  
Concen: 0.000 ng  
RT: 11.791 min Scan# 1127  
Delta R.T. -0.002 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Tgt Ion:152 Resp: 3  
Ion Ratio Lower Upper  
152 100  
151 100.0 16.8 25.2#

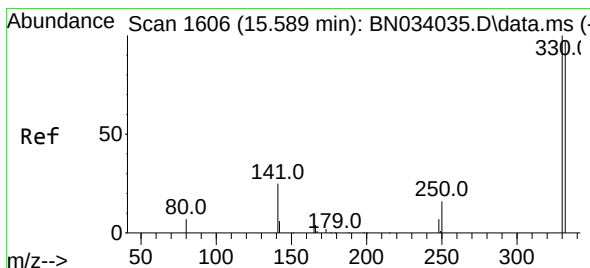
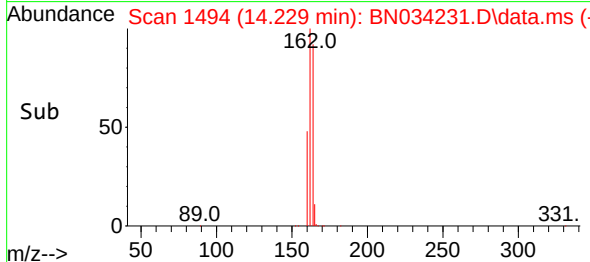
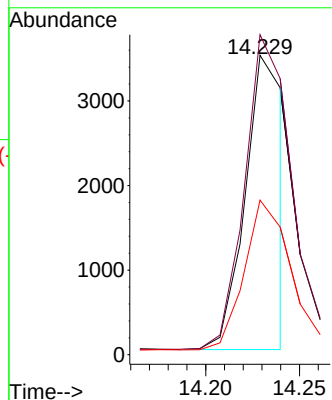
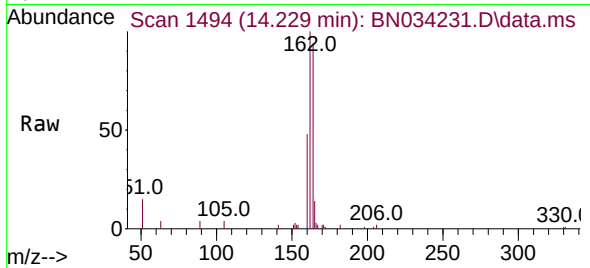




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.229 min Scan# 1466  
Delta R.T. 0.147 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

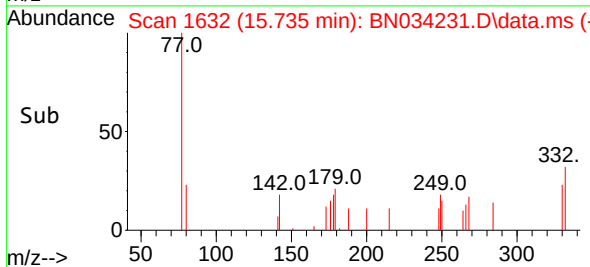
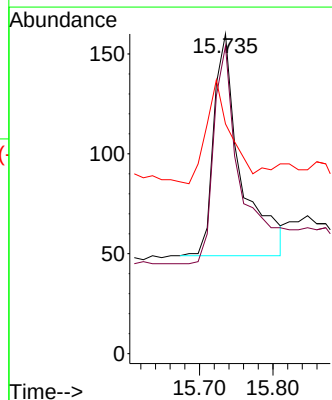
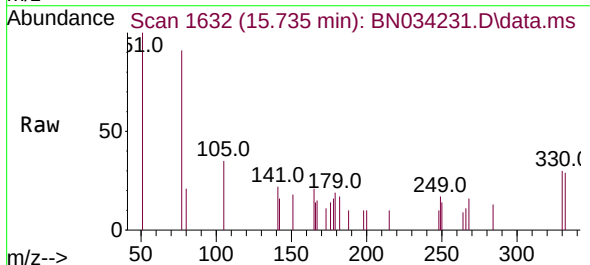
Instrument :  
BNA\_N  
ClientSampleId :  
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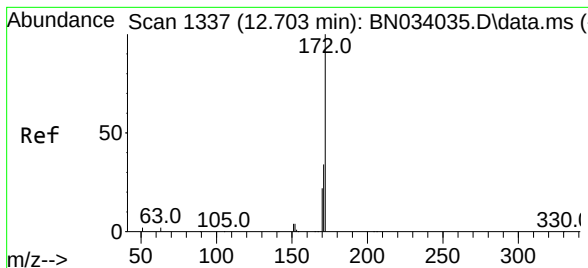
Tgt Ion:164 Resp: 5113  
Ion Ratio Lower Upper  
164 100  
162 106.9 84.2 126.2  
160 51.7 41.7 62.5



#14  
2,4,6-Tribromophenol  
Concen: 0.122 ng  
RT: 15.735 min Scan# 1632  
Delta R.T. 0.147 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Tgt Ion:330 Resp: 283  
Ion Ratio Lower Upper  
330 100  
332 108.8 77.4 116.0  
141 46.3 35.9 53.9





#15

2-Fluorobiphenyl

Concen: 0.474 ng

RT: 12.861 min Scan# 11

Delta R.T. 0.158 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

Instrument :

BNA\_N

ClientSampleId :

RW8-MW02D-20240919

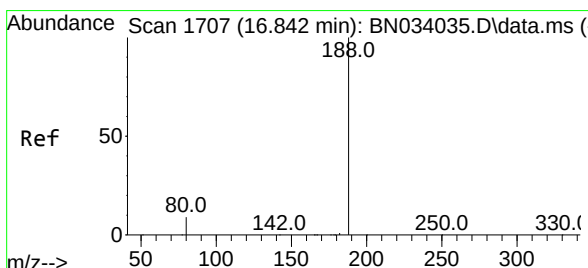
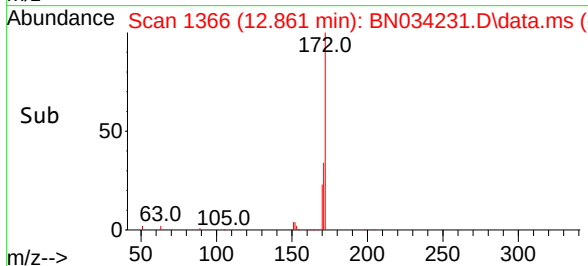
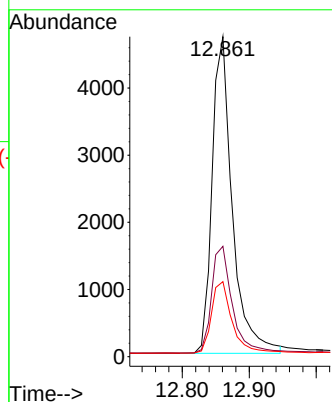
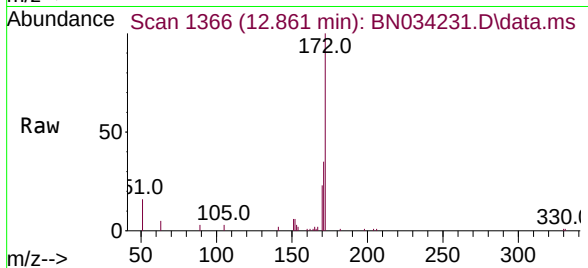
Tgt Ion:172 Resp: 9855

Ion Ratio Lower Upper

172 100

171 34.5 27.3 40.9

170 23.4 18.1 27.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.977 min Scan# 1732

Delta R.T. 0.134 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

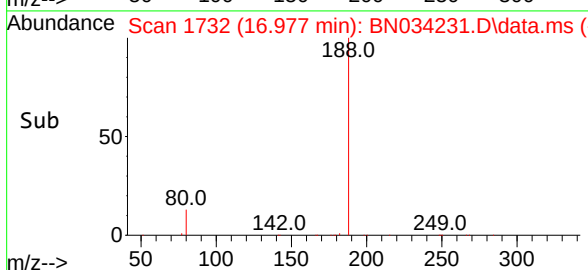
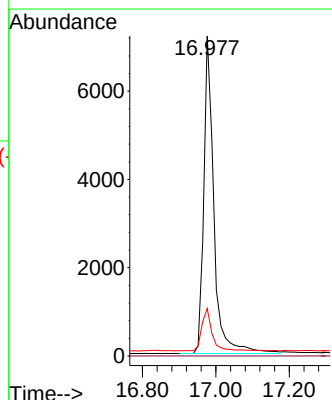
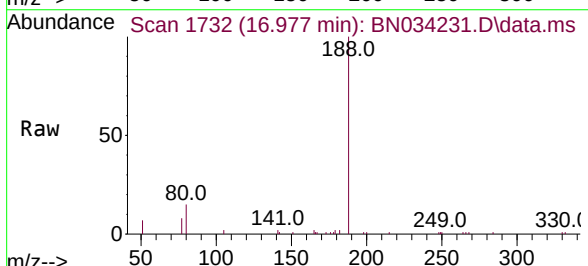
Tgt Ion:188 Resp: 13759

Ion Ratio Lower Upper

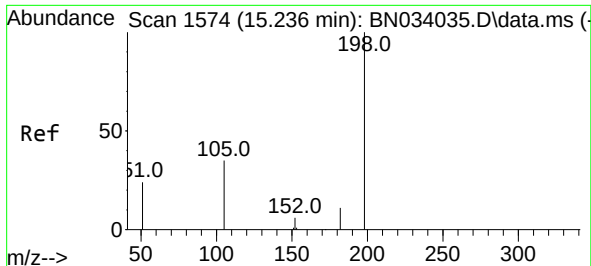
188 100

94 0.0 0.0 0.0

80 14.8 7.4 11.0#



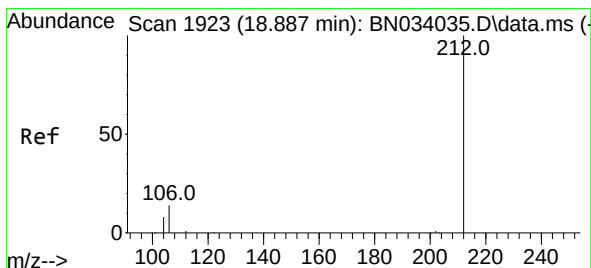
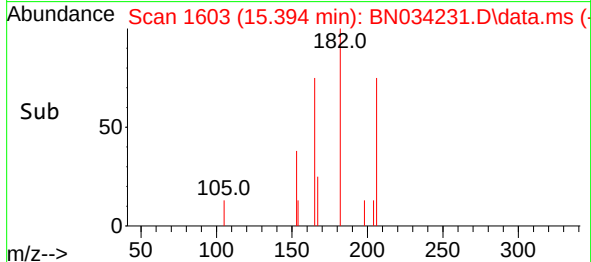
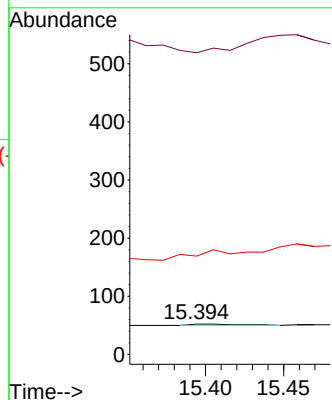
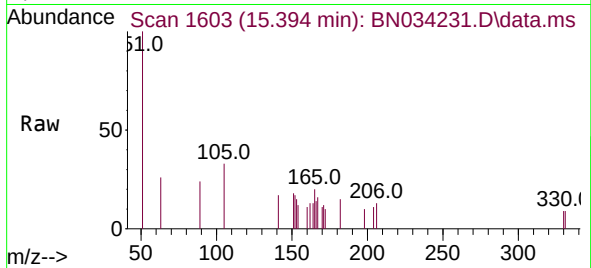




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.139 ng  
RT: 15.394 min Scan# 1  
Delta R.T. 0.158 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

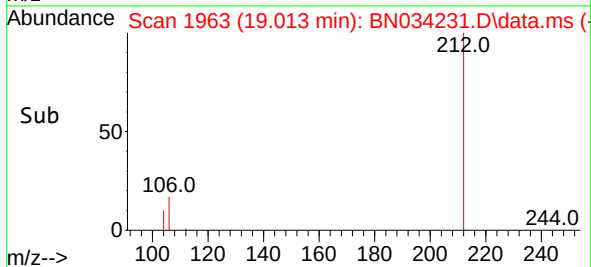
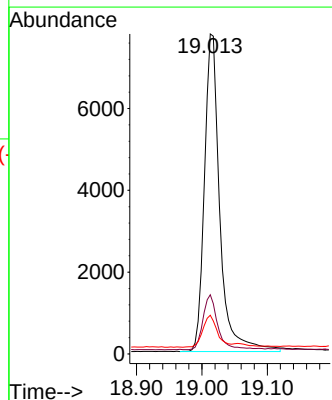
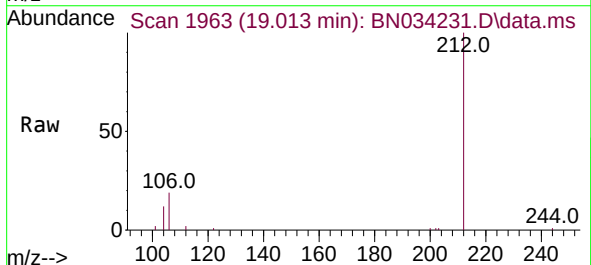
Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW02D-20240919

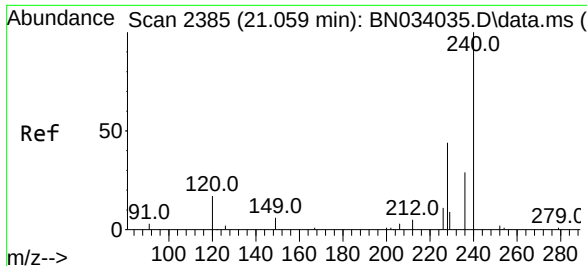
Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
51 998.1 106.4 159.6#  
105 325.0 38.5 57.7#



#27  
Fluoranthene-d10  
Concen: 0.366 ng  
RT: 19.013 min Scan# 1963  
Delta R.T. 0.126 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Tgt Ion:212 Resp: 12700  
Ion Ratio Lower Upper  
212 100  
106 16.7 13.4 20.2  
104 9.4 7.8 11.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.176 min Scan# 2411

Delta R.T. 0.117 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

Instrument :

BNA\_N

ClientSampleId :

RW8-MW02D-20240919

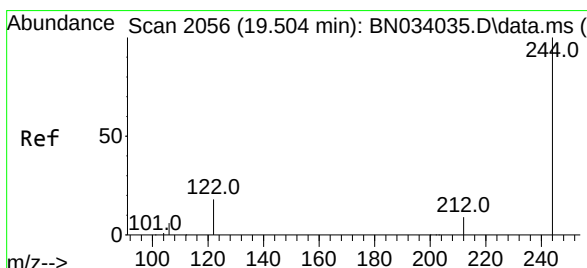
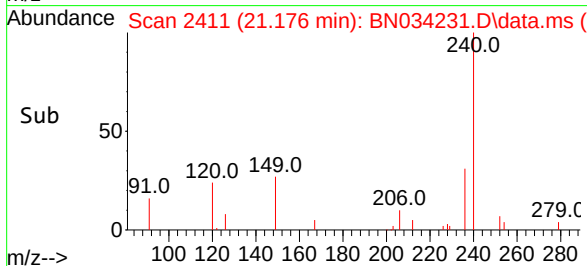
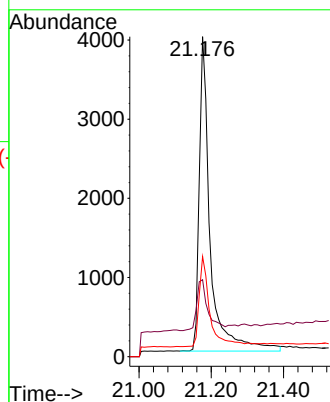
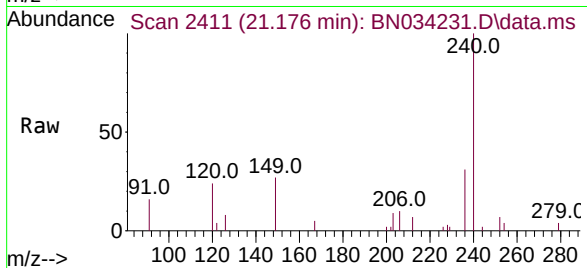
Tgt Ion:240 Resp: 8311

Ion Ratio Lower Upper

240 100

120 24.0 13.5 20.3#

236 31.3 23.4 35.0



#31

Terphenyl-d14

Concen: 0.659 ng

RT: 19.621 min Scan# 2094

Delta R.T. 0.117 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

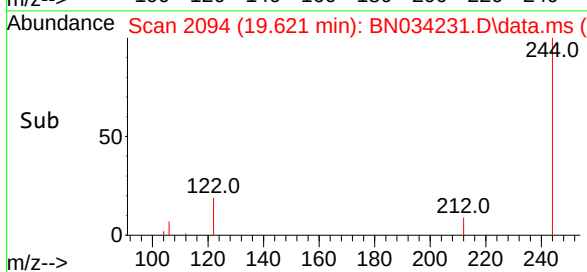
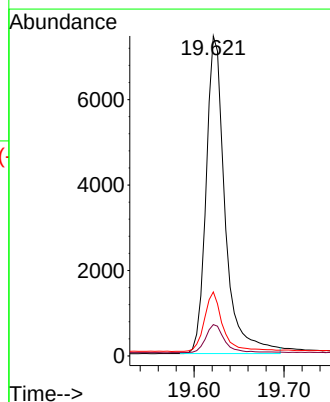
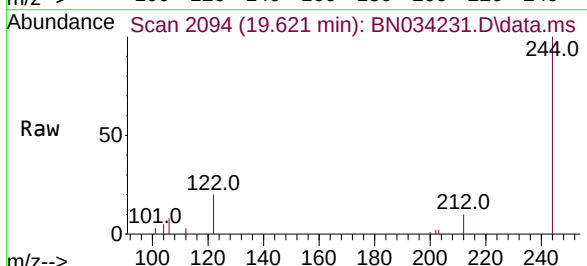
Tgt Ion:244 Resp: 10931

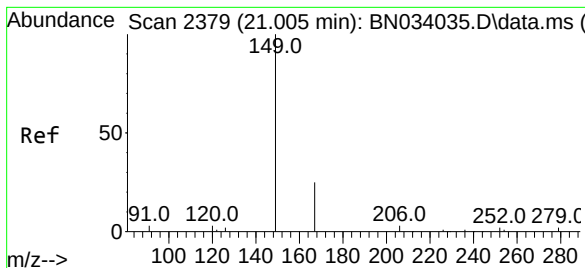
Ion Ratio Lower Upper

244 100

212 9.8 7.8 11.6

122 20.0 14.8 22.2





#34

Bis(2-ethylhexyl)phthalate

Concen: 0.247 ng

RT: 21.104 min Scan# 2403

Delta R.T. 0.099 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

Instrument :

BNA\_N

ClientSampleId :

RW8-MW02D-20240919

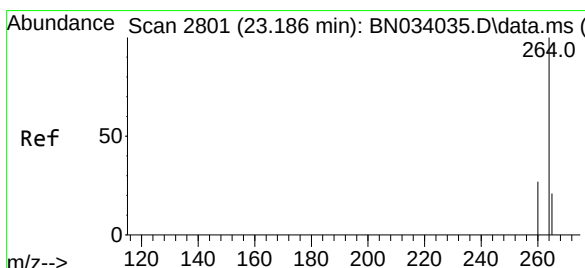
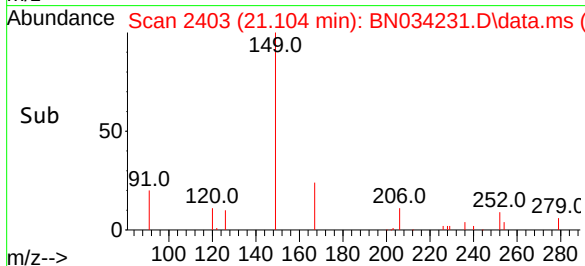
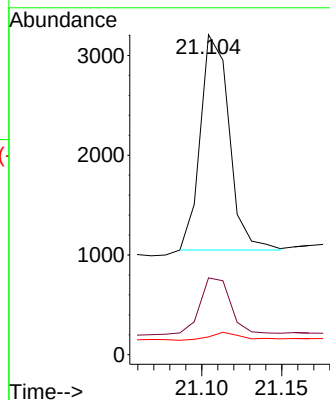
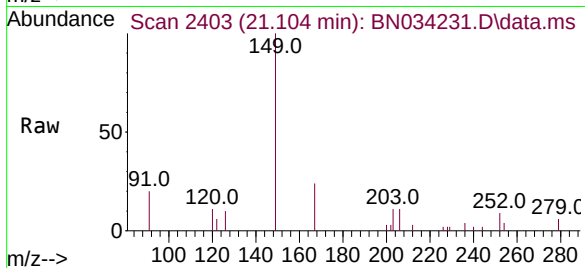
Tgt Ion:149 Resp: 2708

Ion Ratio Lower Upper

149 100

167 26.3 19.9 29.9

279 4.4 4.6 6.8#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.365 min Scan# 2875

Delta R.T. 0.179 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

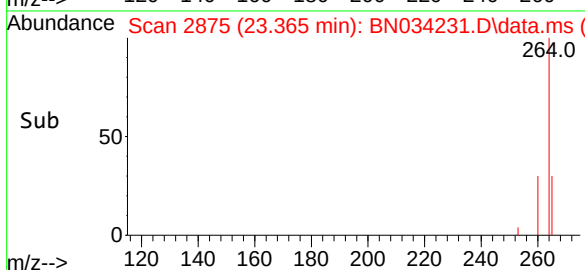
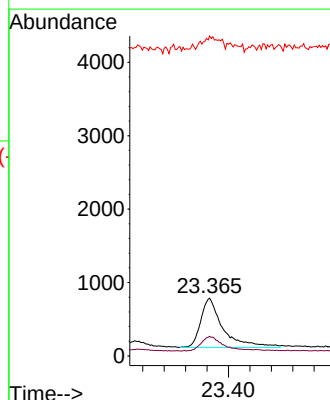
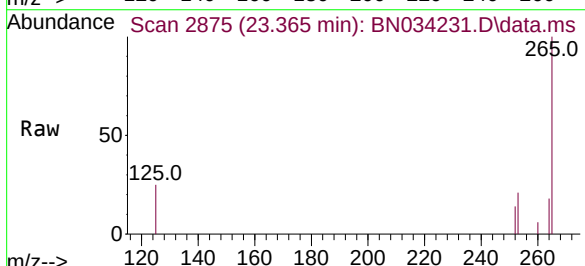
Tgt Ion:264 Resp: 1932

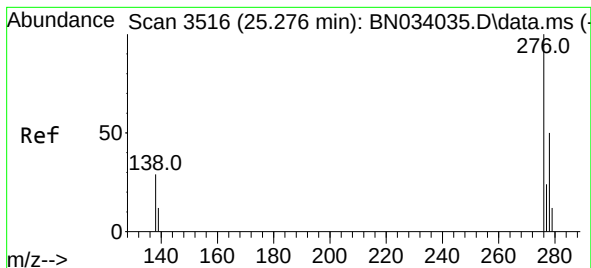
Ion Ratio Lower Upper

264 100

260 34.1 21.7 32.5#

265 553.9 52.1 78.1#





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.030 ng

RT: 25.543 min Scan# 3

Delta R.T. 0.267 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

Instrument :

BNA\_N

ClientSampleId :

RW8-MW02D-20240919

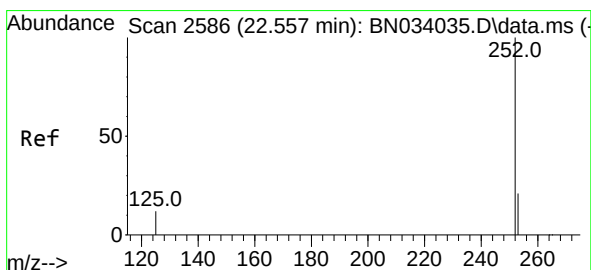
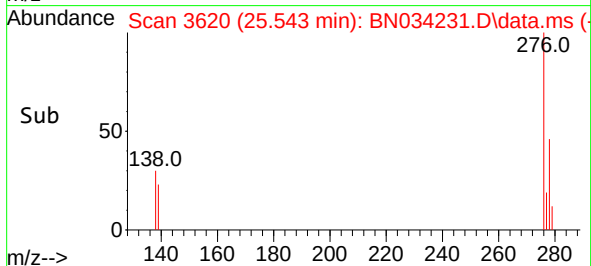
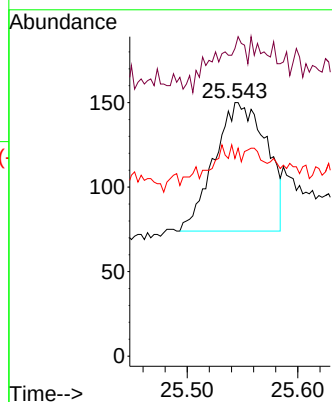
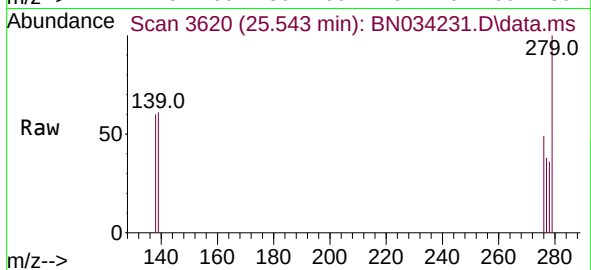
Tgt Ion:276 Resp: 250

Ion Ratio Lower Upper

276 100

138 4.0 25.9 38.9#

277 0.0 19.7 29.5#



#37

Benzo(b)fluoranthene

Concen: 0.036 ng

RT: 22.716 min Scan# 2653

Delta R.T. 0.159 min

Lab File: BN034231.D

Acq: 25 Sep 2024 18:58

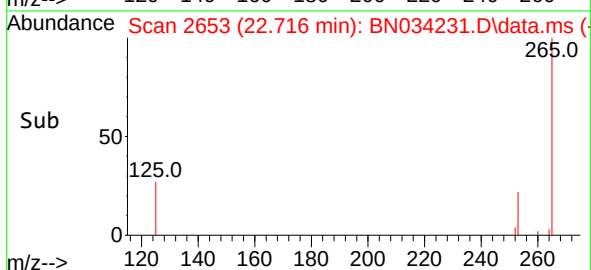
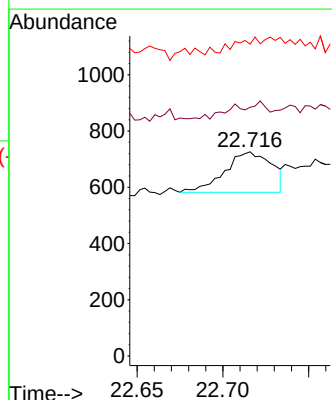
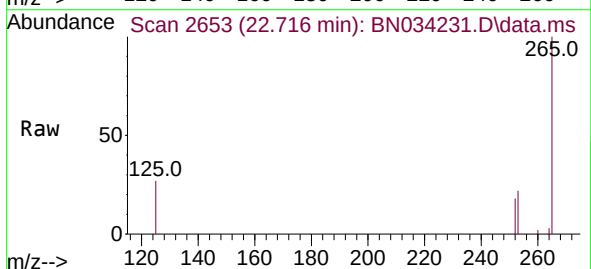
Tgt Ion:252 Resp: 273

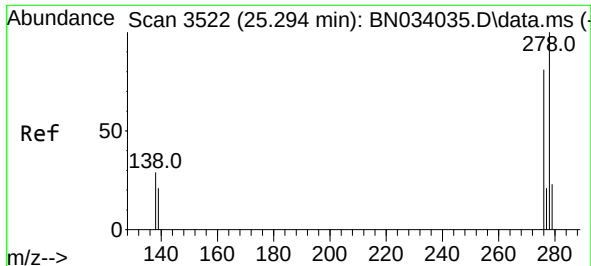
Ion Ratio Lower Upper

252 100

253 121.8 19.6 29.4#

125 152.8 13.8 20.8#

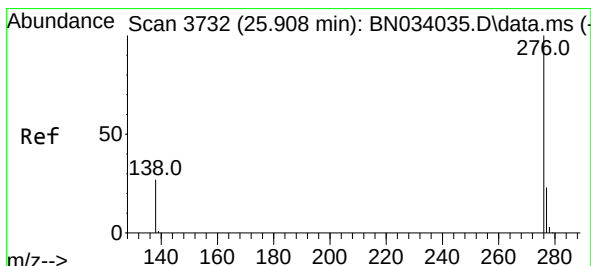
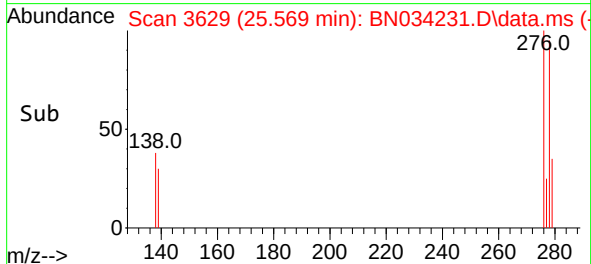
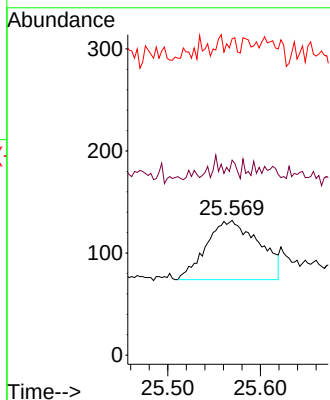
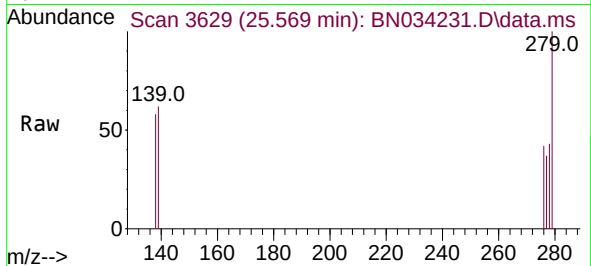




#40  
Dibenzo(a,h)anthracene  
Concen: 0.036 ng  
RT: 25.569 min Scan# 30  
Delta R.T. 0.276 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Instrument :  
BNA\_N  
ClientSampleId :  
RW8-MW02D-20240919

Tgt Ion:278 Resp: 230  
Ion Ratio Lower Upper  
278 100  
139 144.7 17.8 26.8#  
279 234.8 21.0 31.6#



#41  
Benzo(g,h,i)perylene  
Concen: 0.038 ng  
RT: 26.207 min Scan# 3847  
Delta R.T. 0.299 min  
Lab File: BN034231.D  
Acq: 25 Sep 2024 18:58

Tgt Ion:276 Resp: 273  
Ion Ratio Lower Upper  
276 100  
277 80.9 19.3 28.9#  
138 119.7 22.6 34.0#

