

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100824\  
 Data File : BN034490.D  
 Acq On : 09 Oct 2024 04:56  
 Operator : RC/JU  
 Sample : P4226-15  
 Misc :  
 ALS Vial : 62 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RW9-MW-01S-20240925

Quant Time: Oct 09 05:20:12 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 26 14:44:02 2024  
 Response via : Initial Calibration

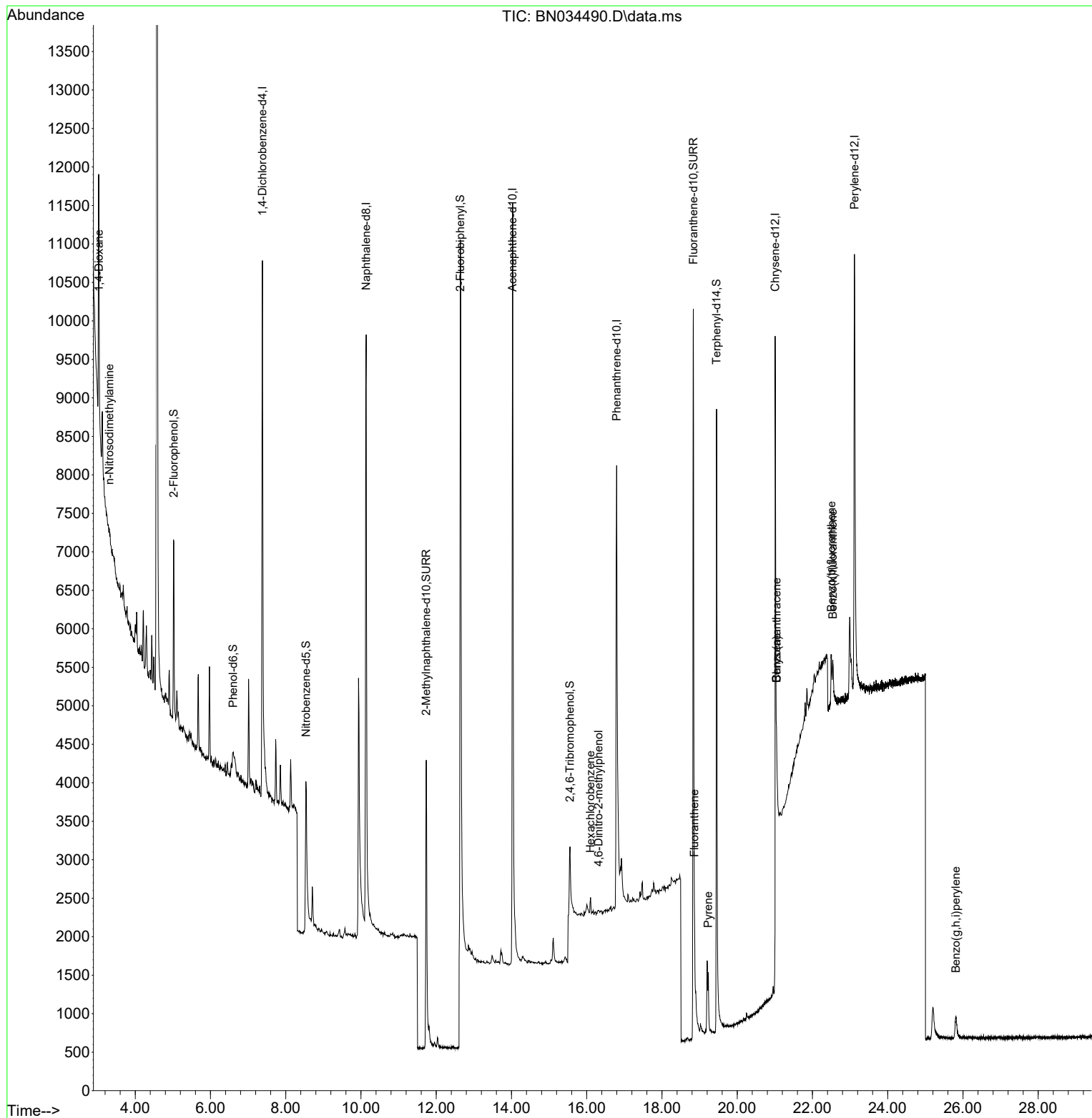
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.380  | 152  | 4233     | 0.400 | ng    | -0.01    |
| 7) Naphthalene-d8             | 10.137 | 136  | 12734    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.030 | 164  | 7205     | 0.400 | ng    | -0.02    |
| 19) Phenanthrene-d10          | 16.796 | 188  | 12282    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.008 | 240  | 7235     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.116 | 264  | 8611     | 0.400 | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.026  | 112  | 2070     | 0.172 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.600  | 99   | 852      | 0.061 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.536  | 82   | 2693     | 0.276 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.735 | 152  | 6578     | 0.350 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.555 | 330  | 871      | 0.267 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.640 | 172  | 11797    | 0.403 | ng    | -0.02    |
| 27) Fluoranthene-d10          | 18.834 | 212  | 13170    | 0.425 | ng    | -0.01    |
| 31) Terphenyl-d14             | 19.452 | 244  | 9623     | 0.666 | ng    | -0.02    |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.032  | 88   | 2270     | 0.429 | ng    | # 70     |
| 3) n-Nitrosodimethylamine     | 3.314  | 42   | 164      | 0.027 | ng    | # 11     |
| 20) 4,6-Dinitro-2-methylph... | 16.312 | 198  | 3        | 0.139 | ng    | # 1      |
| 22) Hexachlorobenzene         | 16.101 | 284  | 174      | 0.022 | ng    | # 84     |
| 28) Fluoranthene              | 18.862 | 202  | 896      | 0.022 | ng    | # 93     |
| 30) Pyrene                    | 19.229 | 202  | 782      | 0.026 | ng    | 96       |
| 32) Benzo(a)anthracene        | 21.044 | 228  | 878      | 0.038 | ng    | # 78     |
| 33) Chrysene                  | 21.044 | 228  | 1210     | 0.044 | ng    | # 82     |
| 37) Benzo(b)fluoranthene      | 22.502 | 252  | 857      | 0.025 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 22.543 | 252  | 720      | 0.020 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 25.811 | 276  | 673      | 0.021 | ng    | # 43     |
| -----                         |        |      |          |       |       |          |

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

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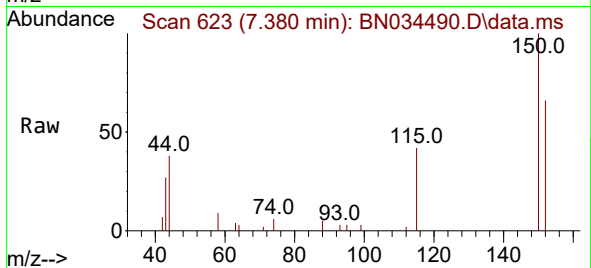
Quant Time: Oct 09 05:20:12 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091924.M  
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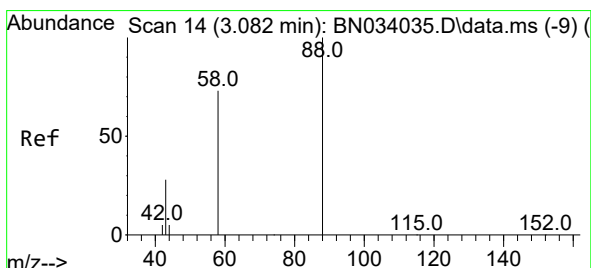
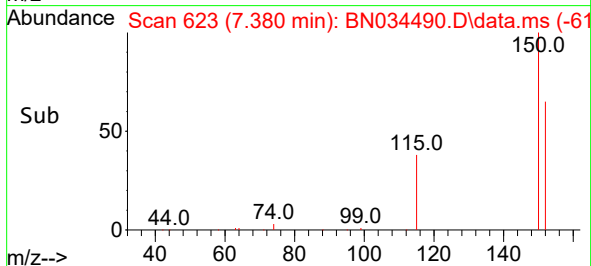
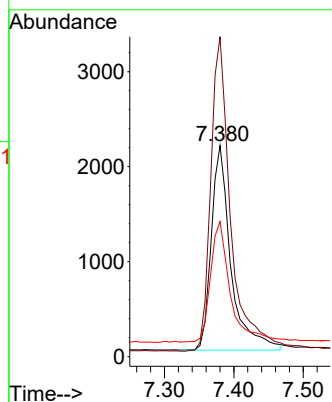


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.380 min Scan# 61  
 Delta R.T. -0.014 min  
 Lab File: BN034490.D  
 Acq: 09 Oct 2024 04:56

Instrument :  
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 ClientSampleId :  
 RW9-MW-01S-20240925

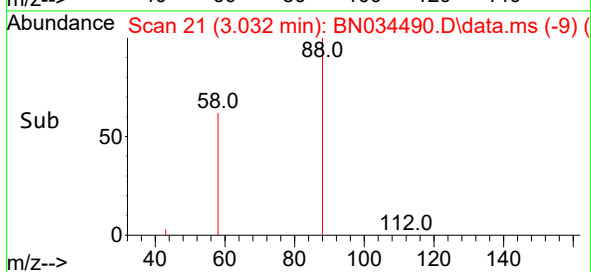
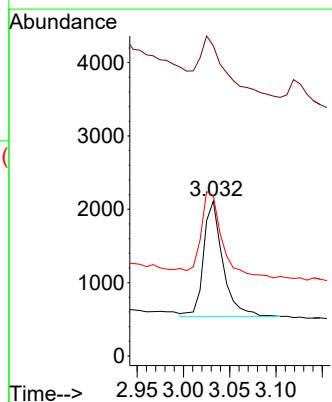
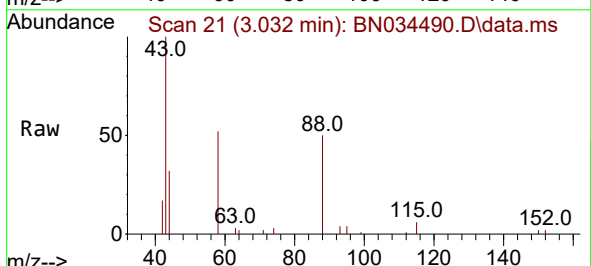


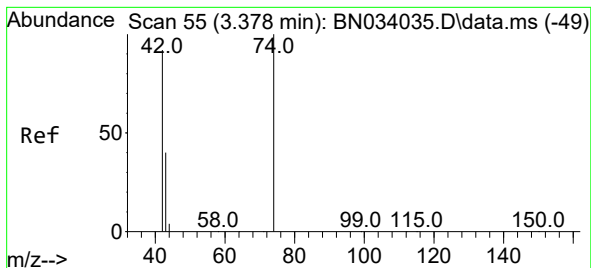
Tgt Ion:152 Resp: 4233  
 Ion Ratio Lower Upper  
 152 100  
 150 151.6 124.6 187.0  
 115 64.0 50.0 75.0



#2  
 1,4-Dioxane  
 Concen: 0.429 ng  
 RT: 3.032 min Scan# 21  
 Delta R.T. -0.014 min  
 Lab File: BN034490.D  
 Acq: 09 Oct 2024 04:56

Tgt Ion: 88 Resp: 2270  
 Ion Ratio Lower Upper  
 88 100  
 43 75.9 25.8 38.8#  
 58 81.5 58.8 88.2





#3

n-Nitrosodimethylamine

Concen: 0.027 ng

RT: 3.314 min Scan# 60

Delta R.T. -0.029 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

Instrument :

BNA\_N

ClientSampleId :

RW9-MW-01S-20240925

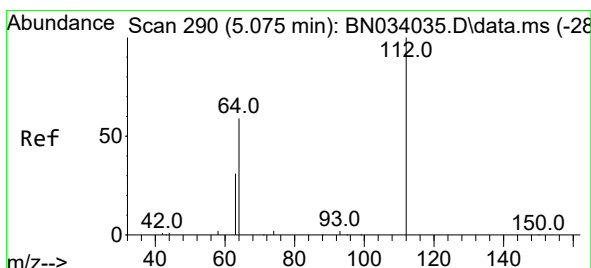
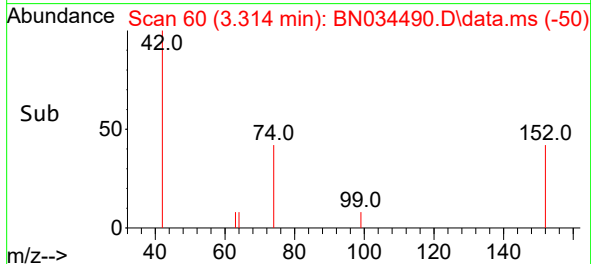
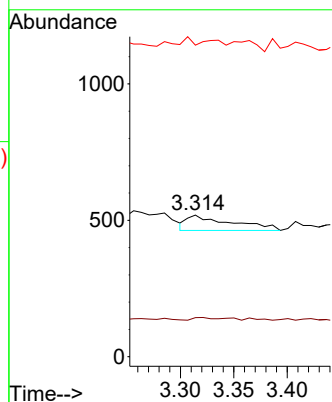
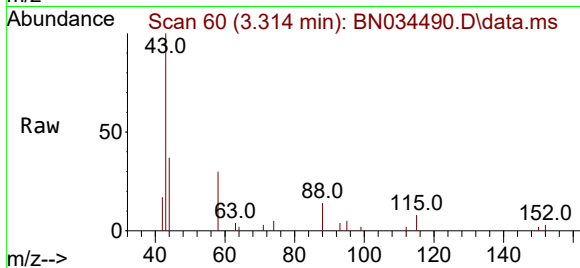
Tgt Ion: 42 Resp: 164

Ion Ratio Lower Upper

42 100

74 7.9 94.6 142.0#

44 18.9 12.4 18.6#



#4

2-Fluorophenol

Concen: 0.172 ng

RT: 5.026 min Scan# 297

Delta R.T. -0.007 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

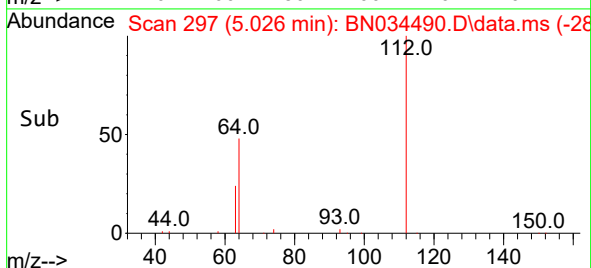
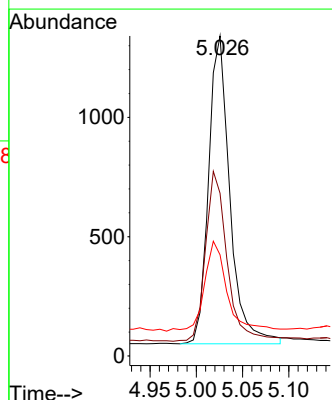
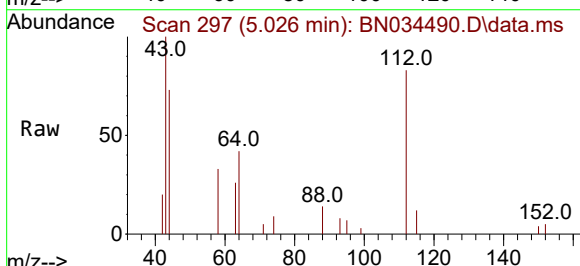
Tgt Ion: 112 Resp: 2070

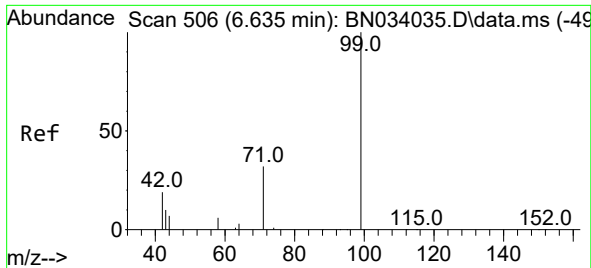
Ion Ratio Lower Upper

112 100

64 55.7 48.6 72.8

63 30.9 25.6 38.4

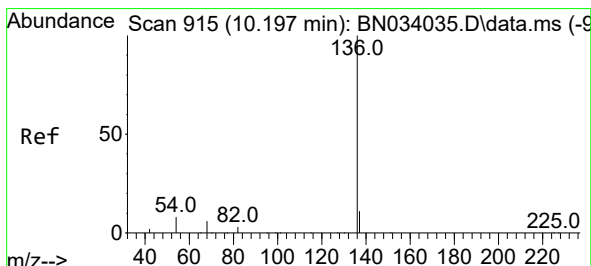
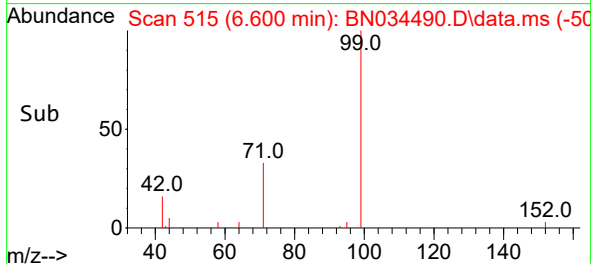
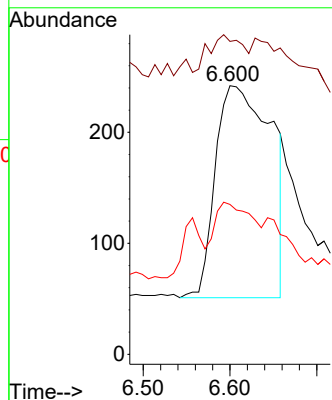
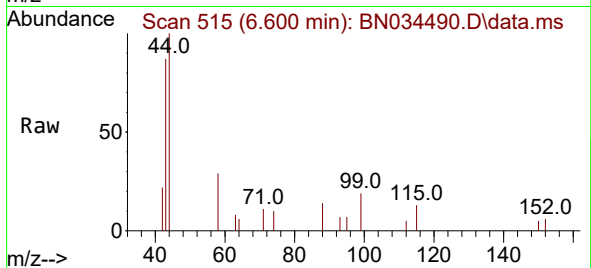




#5  
Phenol-d6  
Concen: 0.061 ng  
RT: 6.600 min Scan# 515  
Delta R.T. 0.000 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

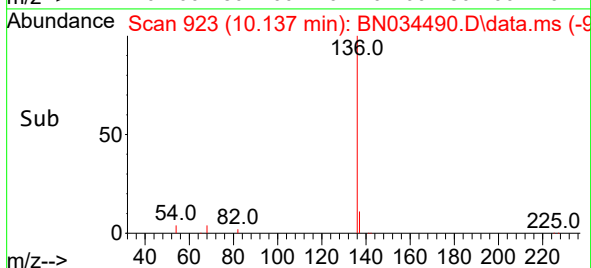
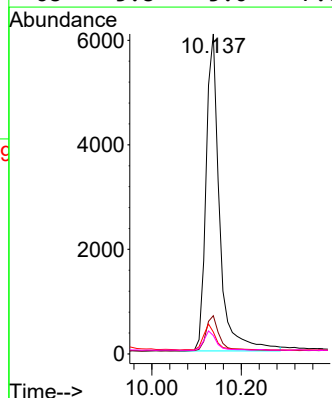
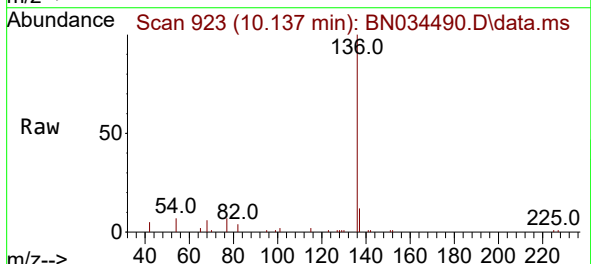
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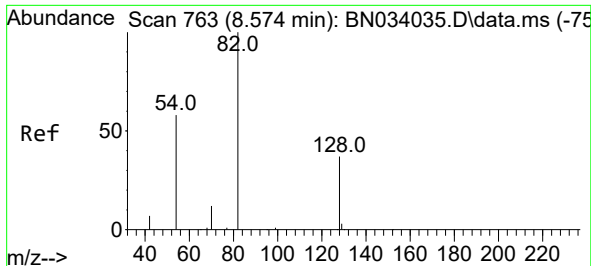
Tgt Ion: 99 Resp: 852  
Ion Ratio Lower Upper  
99 100  
42 10.6 17.8 26.8#  
71 15.1 26.2 39.2#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.137 min Scan# 923  
Delta R.T. -0.010 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

Tgt Ion: 136 Resp: 12734  
Ion Ratio Lower Upper  
136 100  
137 11.9 9.0 13.6  
54 6.8 6.8 10.2  
68 5.8 5.0 7.6

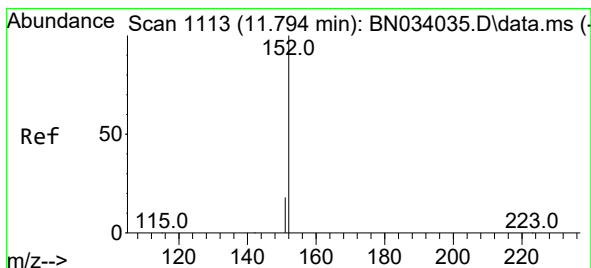
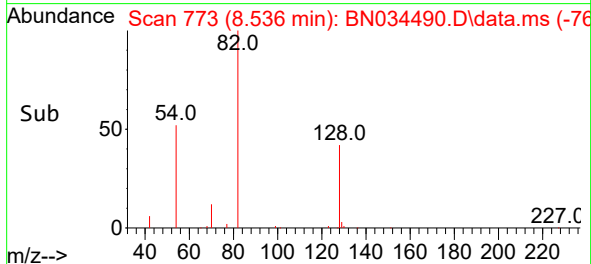
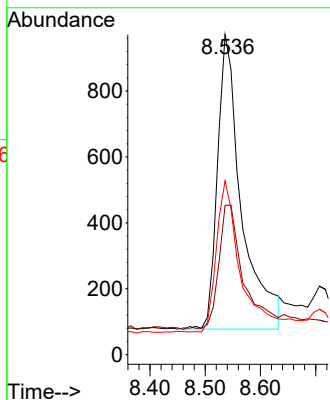
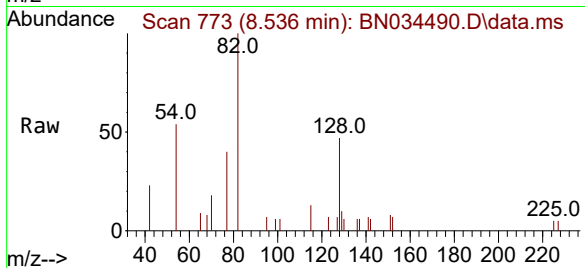




#8  
Nitrobenzene-d5  
Concen: 0.276 ng  
RT: 8.536 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

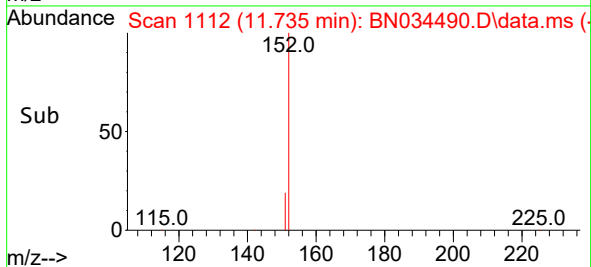
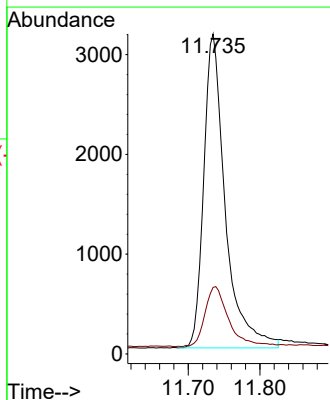
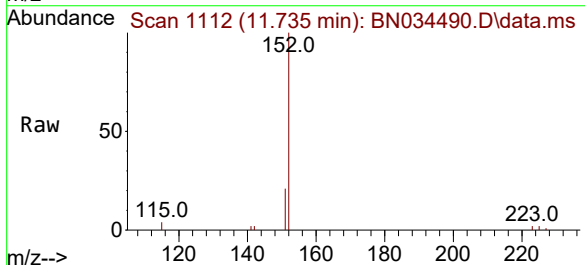
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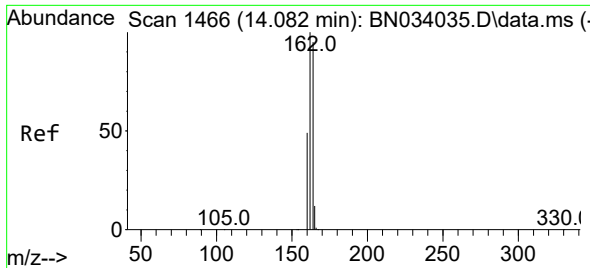
Tgt Ion: 82 Resp: 2693  
Ion Ratio Lower Upper  
82 100  
128 46.7 31.4 47.2  
54 54.4 47.4 71.0



#11  
2-Methylnaphthalene-d10  
Concen: 0.350 ng  
RT: 11.735 min Scan# 1112  
Delta R.T. -0.019 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

Tgt Ion: 152 Resp: 6578  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.8 25.2

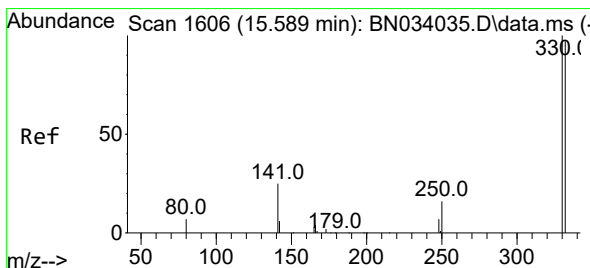
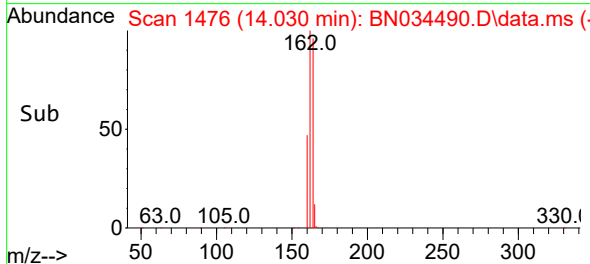
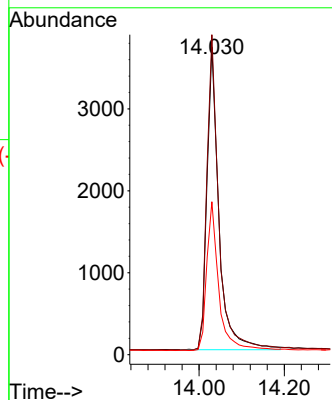
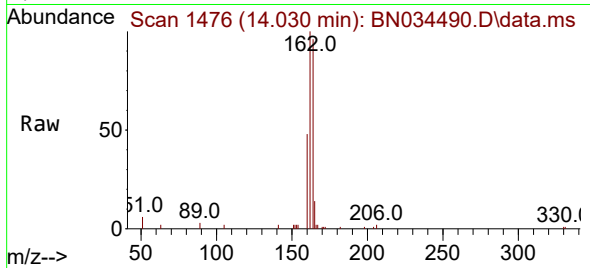




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.030 min Scan# 14  
Delta R.T. -0.017 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

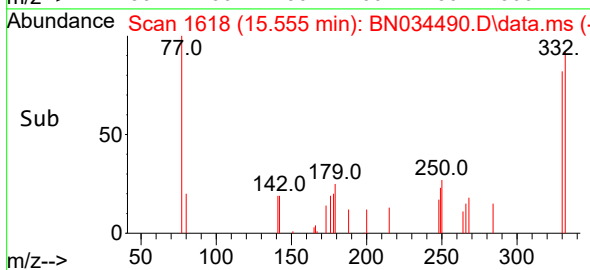
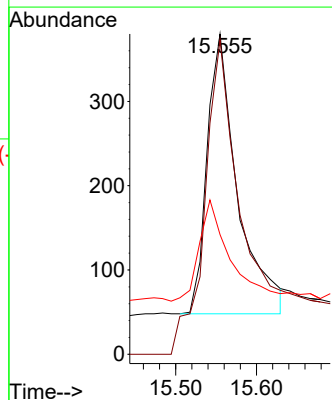
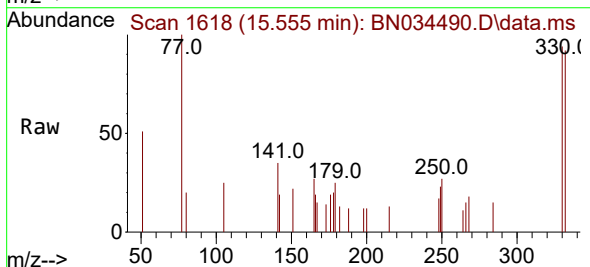
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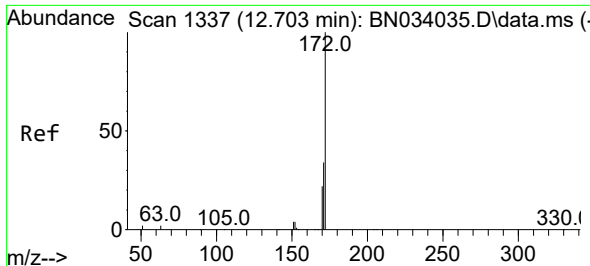
Tgt Ion:164 Resp: 7205  
Ion Ratio Lower Upper  
164 100  
162 104.1 84.2 126.2  
160 49.7 41.7 62.5



#14  
2,4,6-Tribromophenol  
Concen: 0.267 ng  
RT: 15.555 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

Tgt Ion:330 Resp: 871  
Ion Ratio Lower Upper  
330 100  
332 136.3 77.4 116.0#  
141 36.3 35.9 53.9

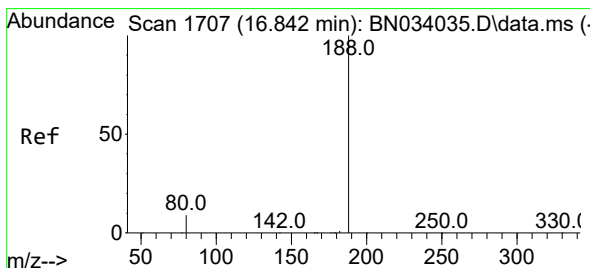
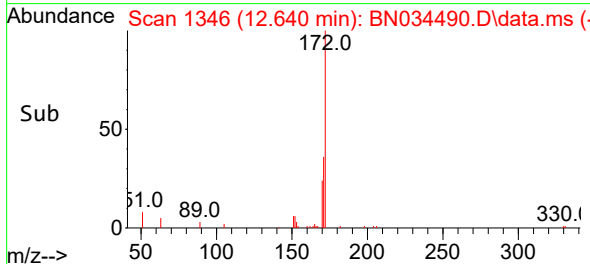
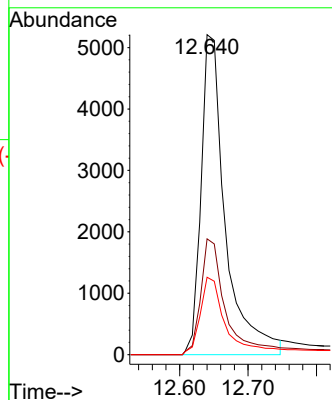
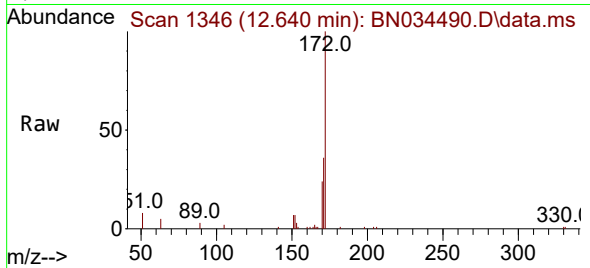




#15  
2-Fluorobiphenyl  
Concen: 0.403 ng  
RT: 12.640 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

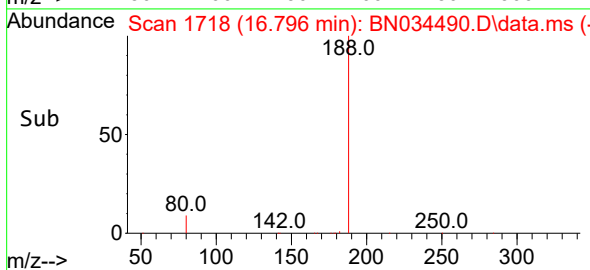
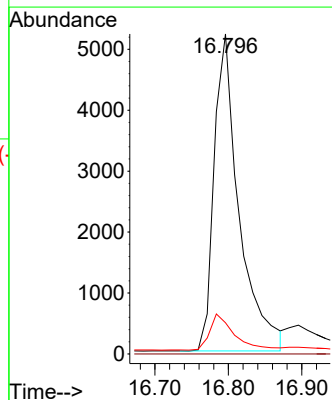
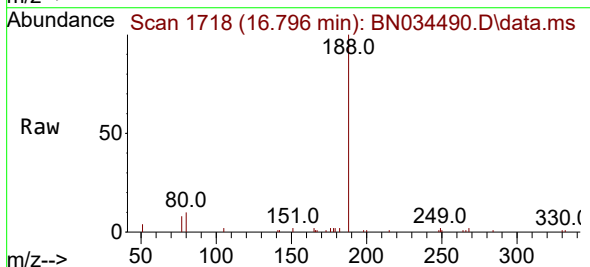
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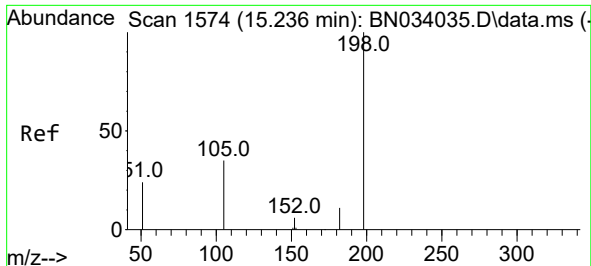
Tgt Ion:172 Resp: 11797  
Ion Ratio Lower Upper  
172 100  
171 36.2 27.3 40.9  
170 24.2 18.1 27.1



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.796 min Scan# 1718  
Delta R.T. -0.007 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

Tgt Ion:188 Resp: 12282  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.7 7.4 11.0





#20

4,6-Dinitro-2-methylphenol

Concen: 0.139 ng

RT: 16.312 min Scan# 1

Delta R.T. 0.006 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

Instrument :

BNA\_N

ClientSampleId :

RW9-MW-01S-20240925

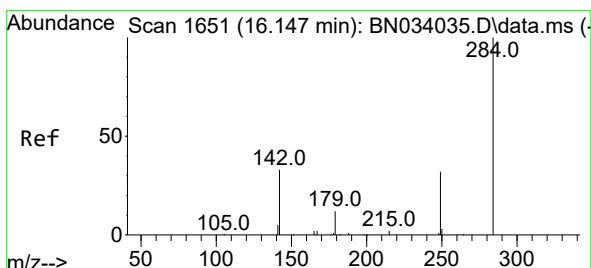
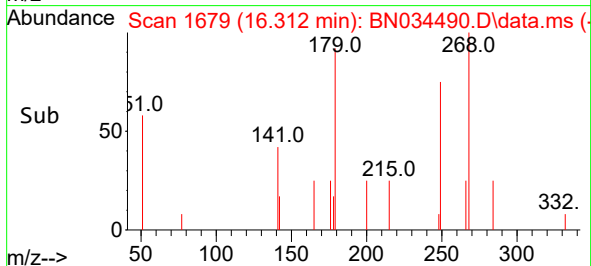
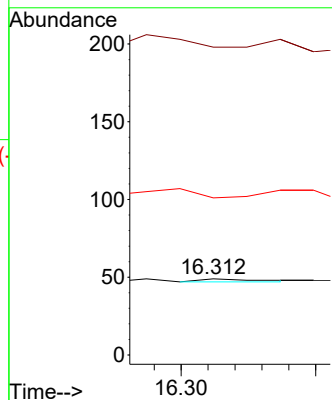
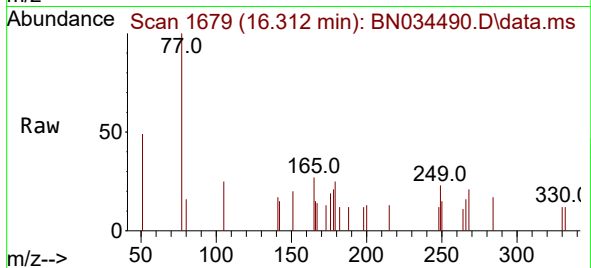
Tgt Ion:198 Resp: 3

Ion Ratio Lower Upper

198 100

51 404.1 106.4 159.6#

105 206.1 38.5 57.7#



#22

Hexachlorobenzene

Concen: 0.022 ng

RT: 16.101 min Scan# 1662

Delta R.T. -0.007 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

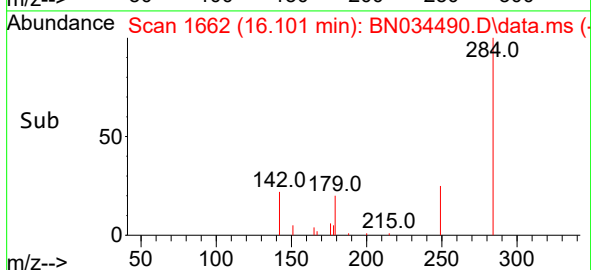
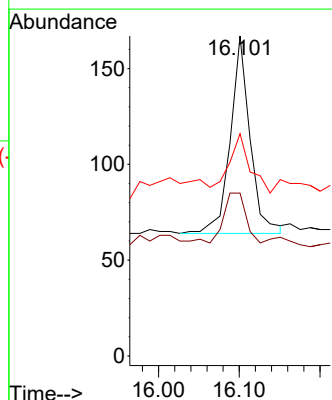
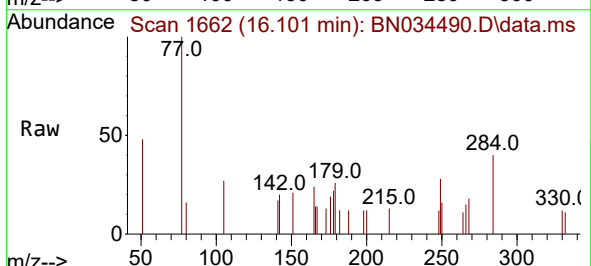
Tgt Ion:284 Resp: 174

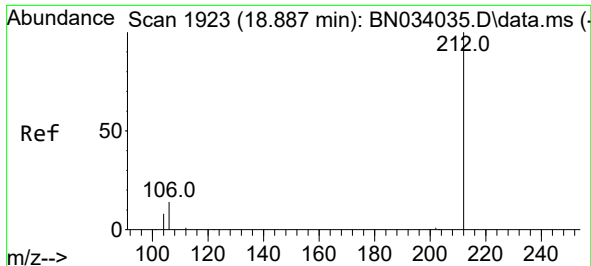
Ion Ratio Lower Upper

284 100

142 25.9 34.5 51.7#

249 31.0 25.8 38.6

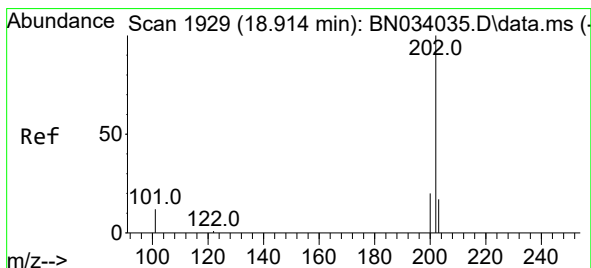
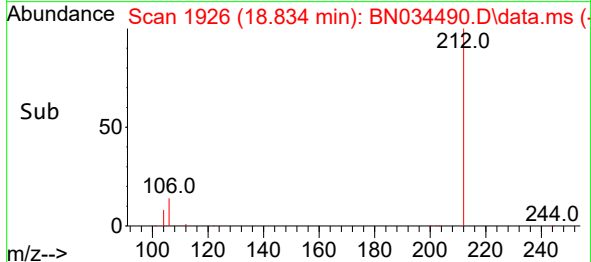
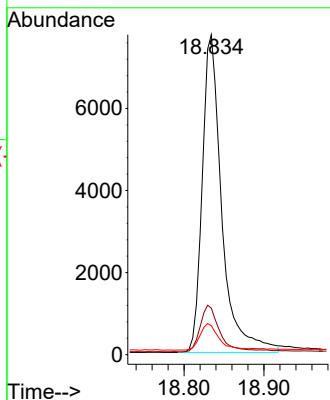
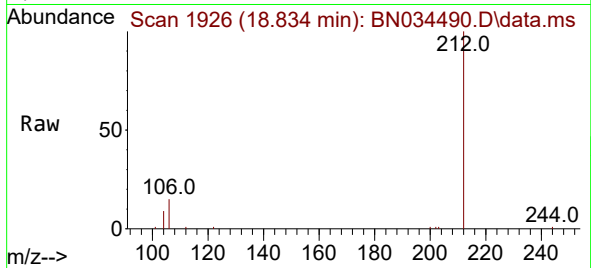




#27  
Fluoranthene-d10  
Concen: 0.425 ng  
RT: 18.834 min Scan# 1926  
Delta R.T. -0.011 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

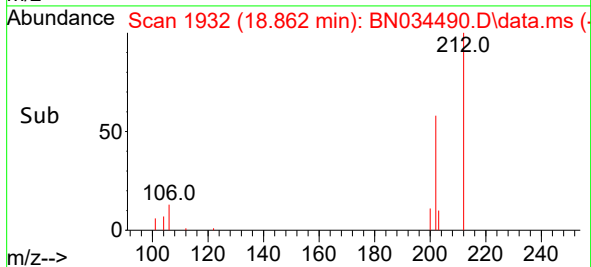
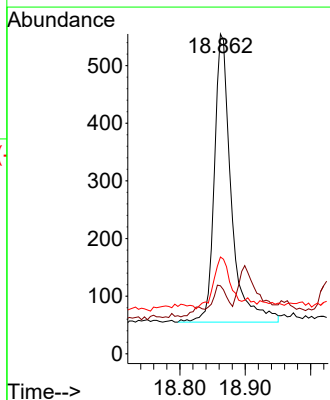
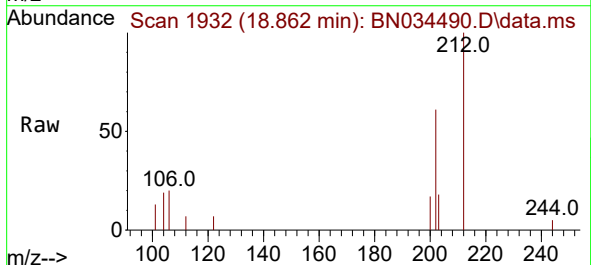
Instrument :  
BNA\_N  
ClientSampleId :  
RW9-MW-01S-20240925

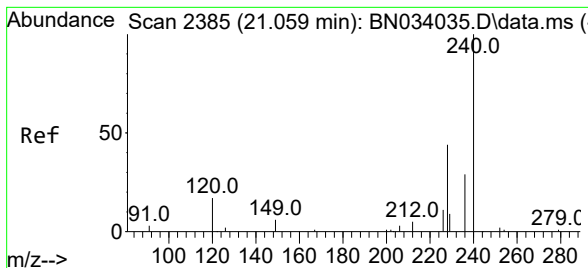
Tgt Ion:212 Resp: 13170  
Ion Ratio Lower Upper  
212 100  
106 14.4 13.4 20.2  
104 8.1 7.8 11.6



#28  
Fluoranthene  
Concen: 0.022 ng  
RT: 18.862 min Scan# 1932  
Delta R.T. -0.016 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

Tgt Ion:202 Resp: 896  
Ion Ratio Lower Upper  
202 100  
101 6.9 10.1 15.1#  
203 18.0 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.008 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

Instrument :

BNA\_N

ClientSampleId :

RW9-MW-01S-20240925

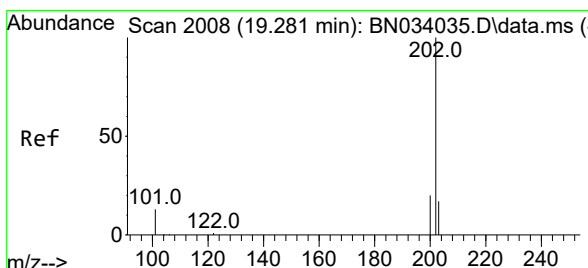
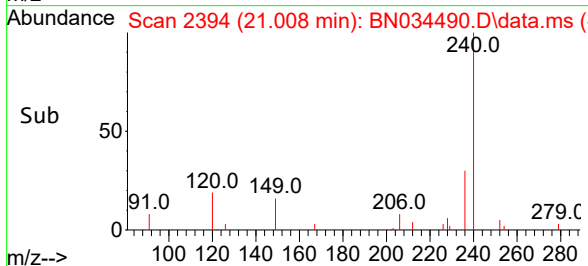
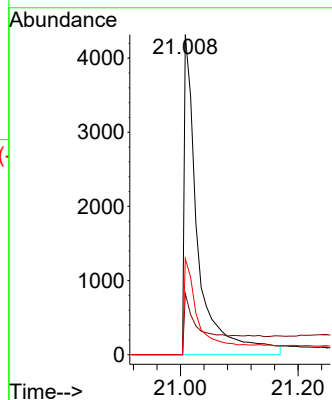
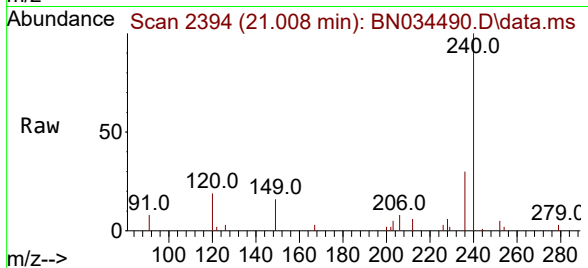
Tgt Ion:240 Resp: 7235

Ion Ratio Lower Upper

240 100

120 19.1 13.5 20.3

236 30.1 23.4 35.0



#30

Pyrene

Concen: 0.026 ng

RT: 19.229 min Scan# 2011

Delta R.T. -0.011 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

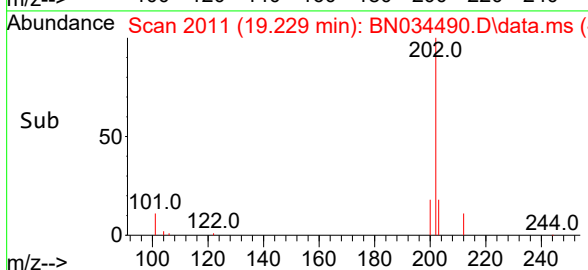
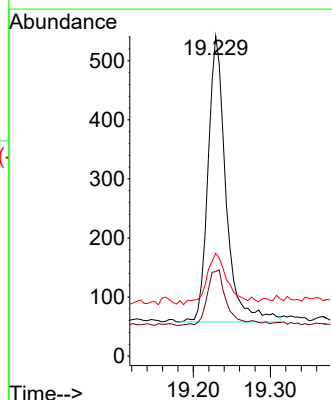
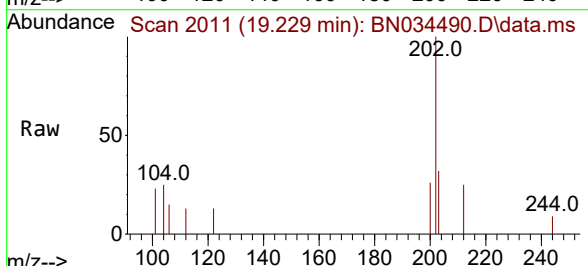
Tgt Ion:202 Resp: 782

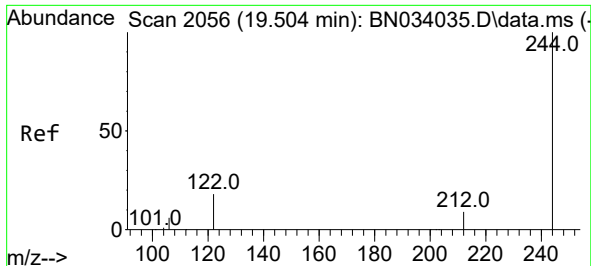
Ion Ratio Lower Upper

202 100

200 20.3 16.6 25.0

203 20.8 14.3 21.5

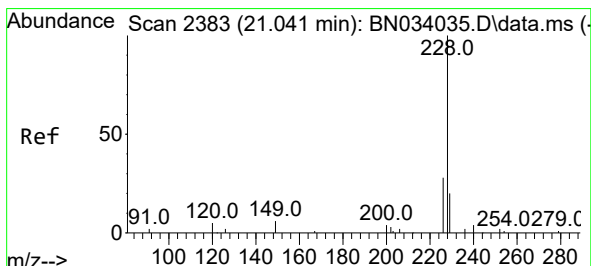
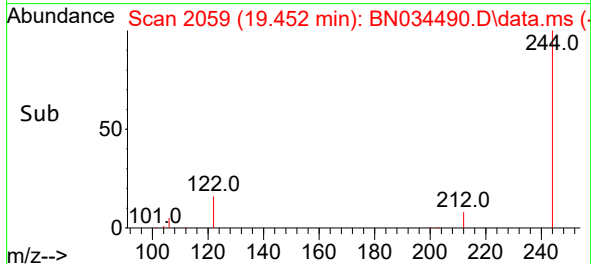
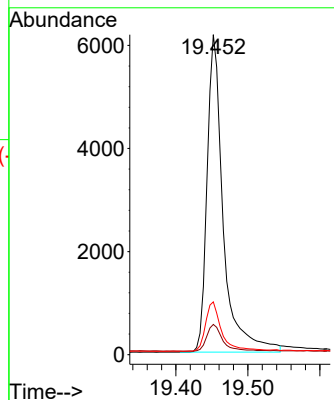
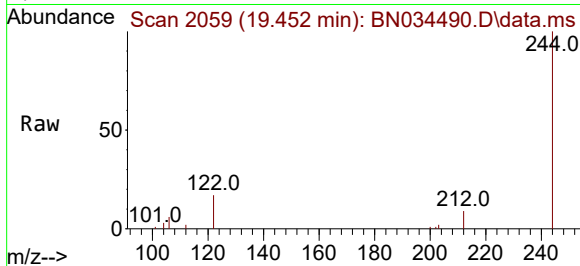




#31  
Terphenyl-d14  
Concen: 0.666 ng  
RT: 19.452 min Scan# 2056  
Delta R.T. -0.016 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

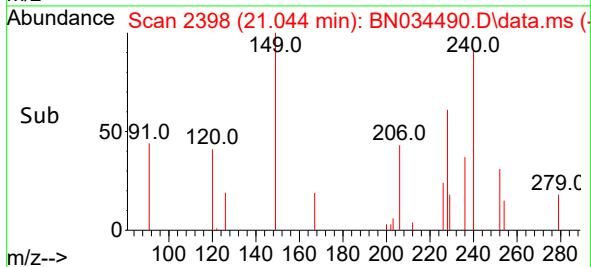
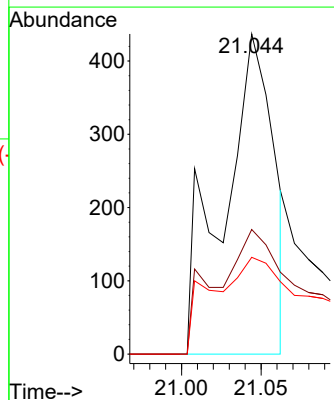
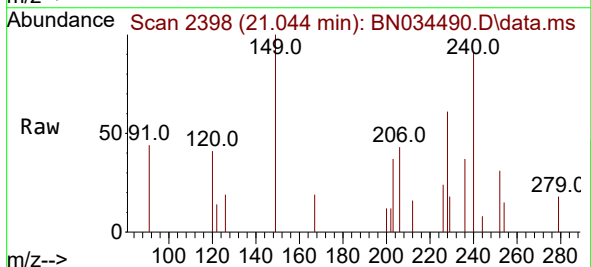
Instrument :  
BNA\_N  
ClientSampleId :  
RW9-MW-01S-20240925

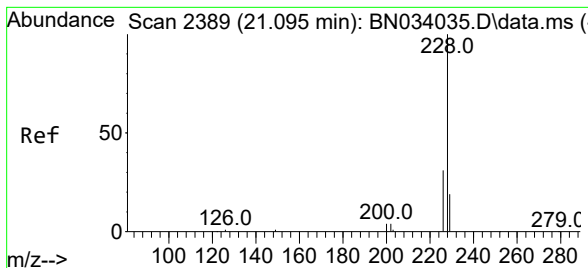
Tgt Ion:244 Resp: 9623  
Ion Ratio Lower Upper  
244 100  
212 9.5 7.8 11.6  
122 16.5 14.8 22.2



#32  
Benzo(a)anthracene  
Concen: 0.038 ng  
RT: 21.044 min Scan# 2398  
Delta R.T. 0.038 min  
Lab File: BN034490.D  
Acq: 09 Oct 2024 04:56

Tgt Ion:228 Resp: 878  
Ion Ratio Lower Upper  
228 100  
226 38.9 22.3 33.5#  
229 30.2 15.7 23.5#





#33

Chrysene

Concen: 0.044 ng

RT: 21.044 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

Instrument :

BNA\_N

ClientSampleId :

RW9-MW-01S-20240925

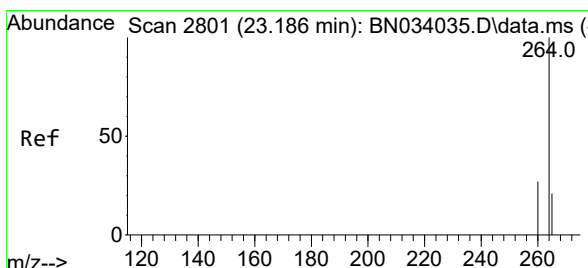
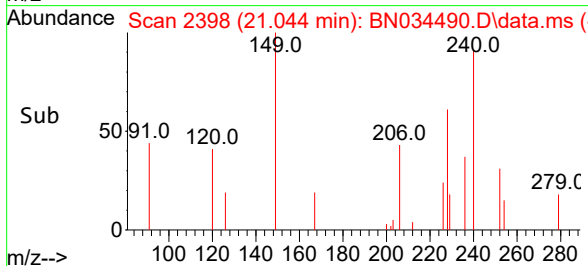
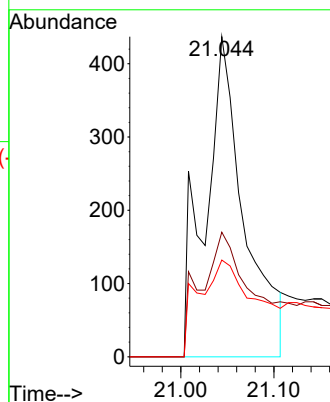
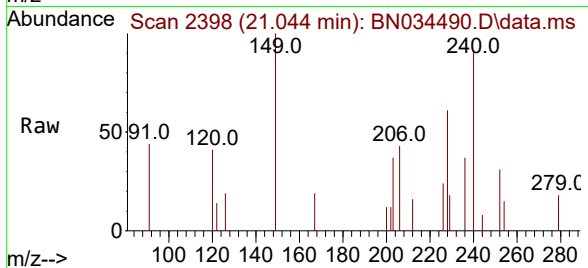
Tgt Ion:228 Resp: 1210

Ion Ratio Lower Upper

228 100

226 38.9 24.6 37.0#

229 30.2 15.5 23.3#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.116 min Scan# 2793

Delta R.T. -0.012 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

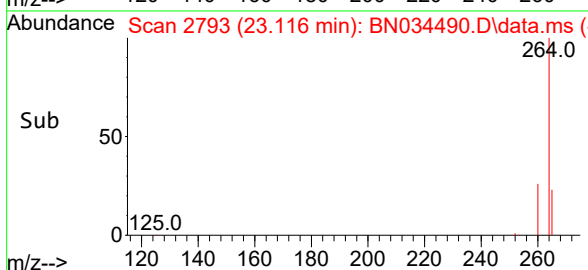
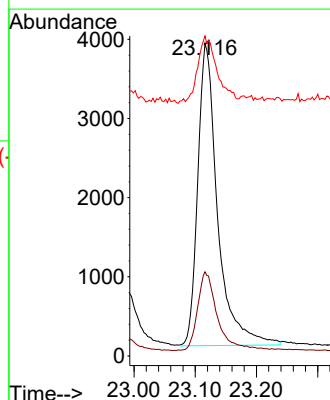
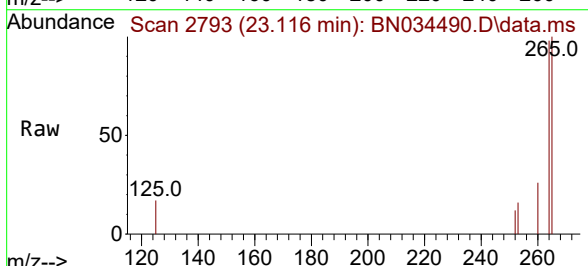
Tgt Ion:264 Resp: 8611

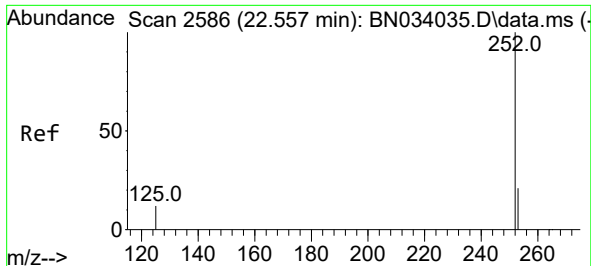
Ion Ratio Lower Upper

264 100

260 26.9 21.7 32.5

265 102.4 52.1 78.1#





#37

Benzo(b)fluoranthene

Concen: 0.025 ng

RT: 22.502 min Scan# 2583

Delta R.T. -0.006 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

Instrument :

BNA\_N

ClientSampleId :

RW9-MW-01S-20240925

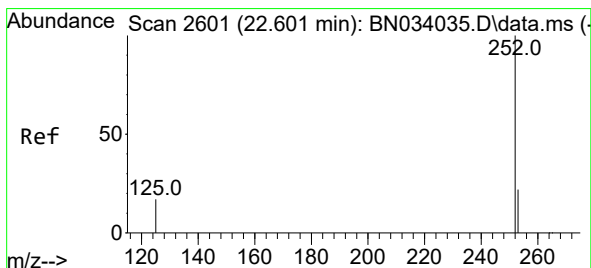
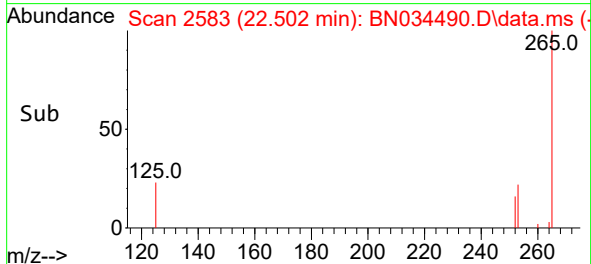
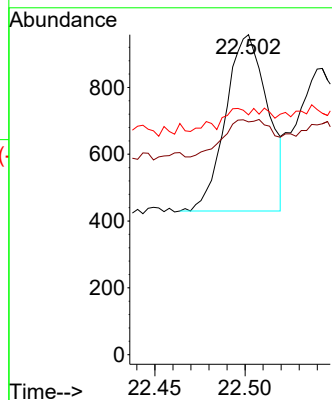
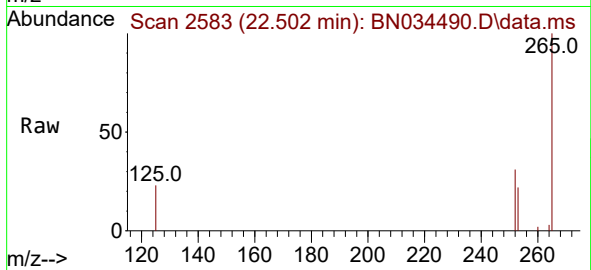
Tgt Ion:252 Resp: 857

Ion Ratio Lower Upper

252 100

253 72.8 19.6 29.4#

125 74.9 13.8 20.8#



#38

Benzo(k)fluoranthene

Concen: 0.020 ng

RT: 22.543 min Scan# 2597

Delta R.T. -0.006 min

Lab File: BN034490.D

Acq: 09 Oct 2024 04:56

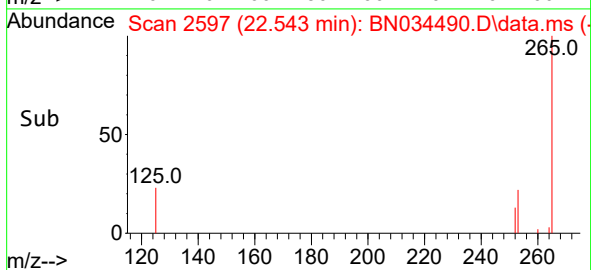
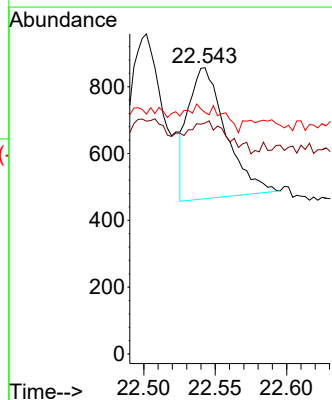
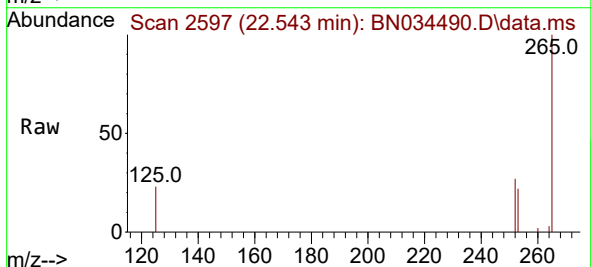
Tgt Ion:252 Resp: 720

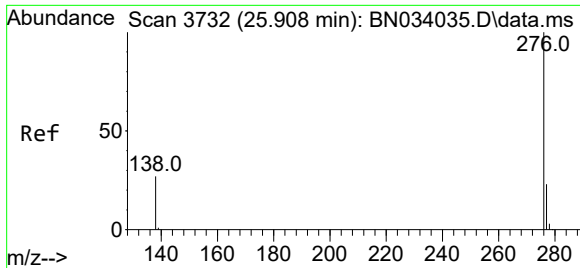
Ion Ratio Lower Upper

252 100

253 80.6 20.1 30.1#

125 84.4 16.8 25.2#





#41

Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 25.811 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN034490.D

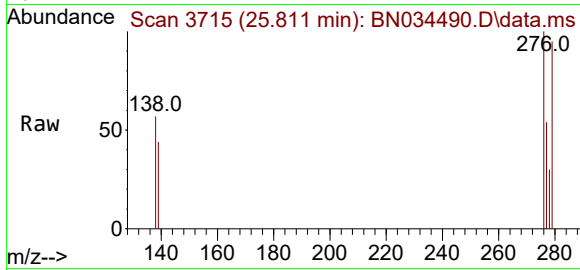
Acq: 09 Oct 2024 04:56

Instrument :

BNA\_N

ClientSampleId :

RW9-MW-01S-20240925



Tgt Ion:276 Resp: 673

Ion Ratio Lower Upper

276 100

277 53.6 19.3 28.9#

138 57.2 22.6 34.0#

