

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN021225\  
 Data File : BN036446.D  
 Acq On : 12 Feb 2025 18:48  
 Operator : RC/JU  
 Sample : Q1347-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-192-GW-660-662

Quant Time: Feb 12 23:16:32 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN021025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 11 01:17:14 2025  
 Response via : Initial Calibration

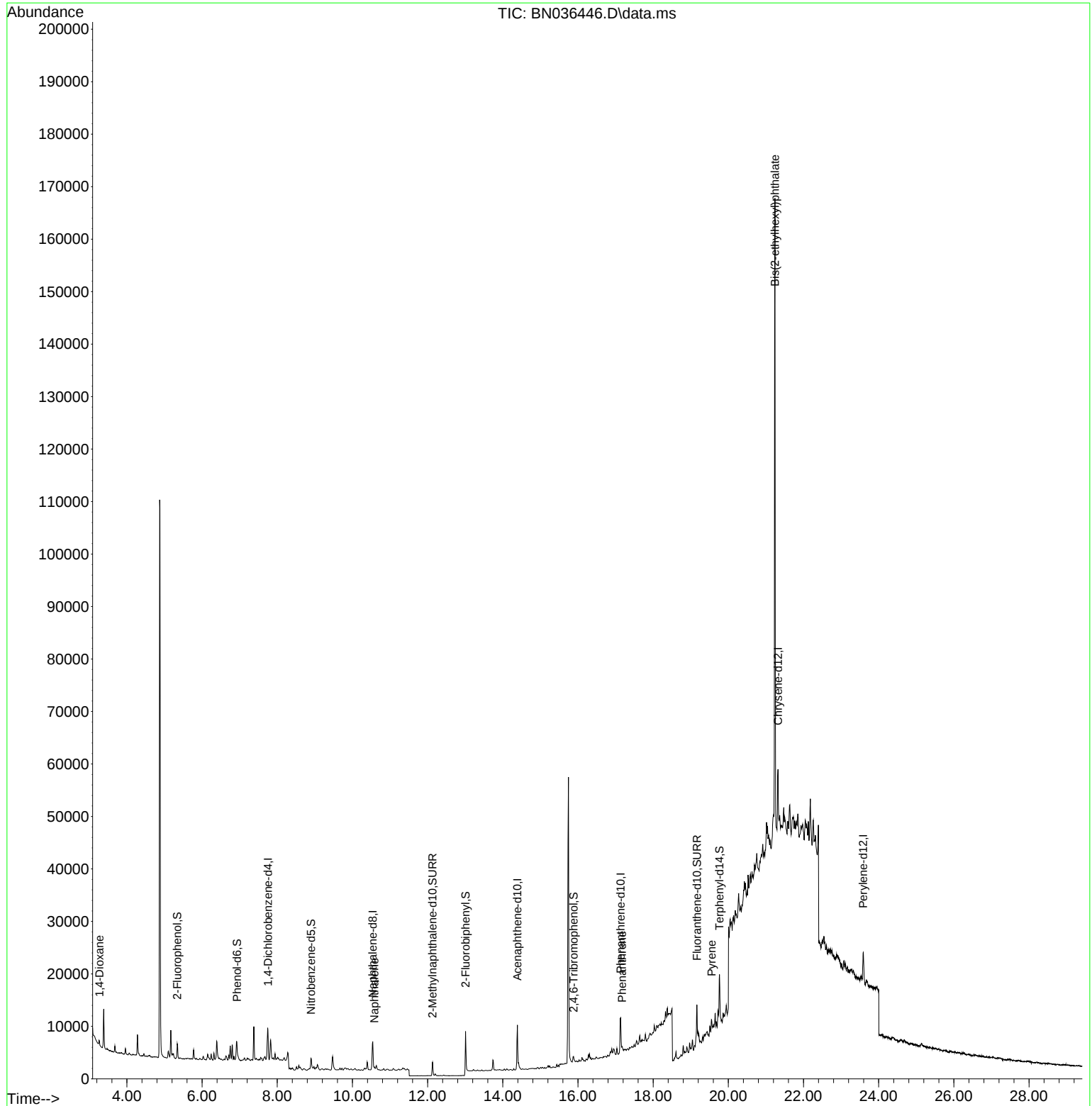
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.753  | 152  | 2854     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.541 | 136  | 7661     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.387 | 164  | 4758     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.136 | 188  | 10555    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.322 | 240  | 9596     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.589 | 264  | 8144     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.341  | 112  | 1793     | 0.266 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.930  | 99   | 2052     | 0.259 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.896  | 82   | 2160     | 0.286 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.131 | 152  | 3756     | 0.319 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.882 | 330  | 689      | 0.292 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.008 | 172  | 6874     | 0.384 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.164 | 212  | 8713     | 0.297 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.763 | 244  | 7417     | 0.362 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.268  | 88   | 525      | 0.168 | ng    | # 68     |
| 9) Naphthalene                | 10.583 | 128  | 830      | 0.038 | ng    | # 73     |
| 25) Phenanthrene              | 17.173 | 178  | 1097     | 0.036 | ng    | # 78     |
| 30) Pyrene                    | 19.559 | 202  | 945      | 0.026 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.241 | 149  | 111354   | 5.660 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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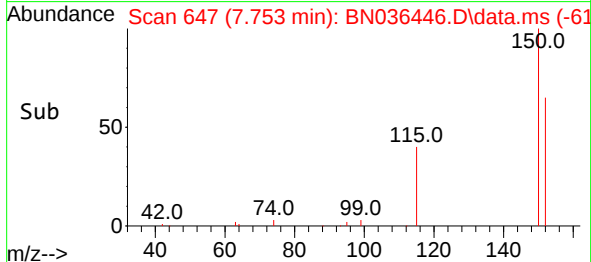
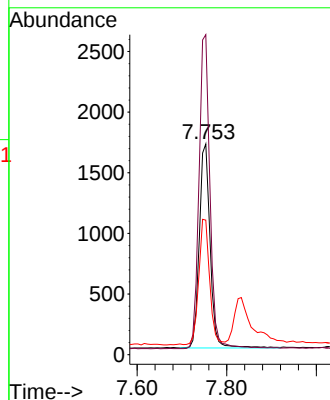
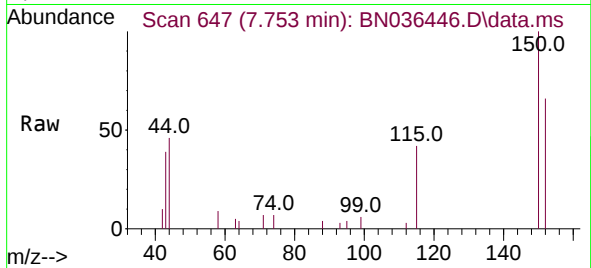




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.753 min Scan# 64  
 Delta R.T. 0.000 min  
 Lab File: BN036446.D  
 Acq: 12 Feb 2025 18:48

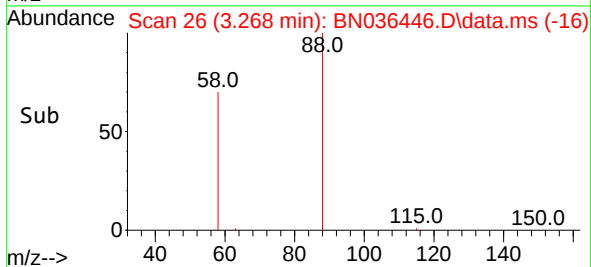
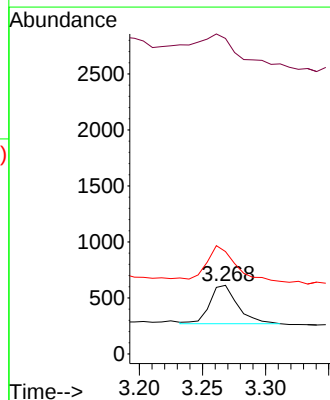
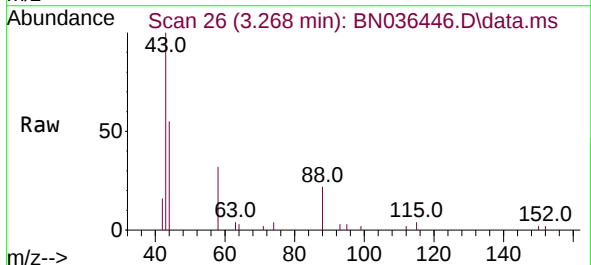
Instrument :  
 BNA\_N  
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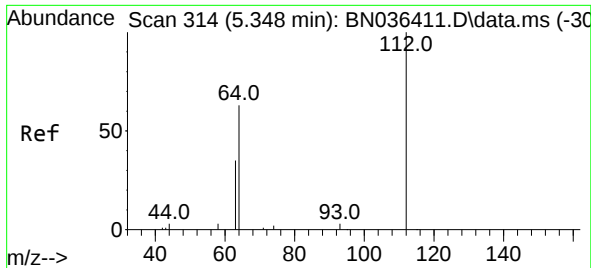
Tgt Ion: 152 Resp: 2854  
 Ion Ratio Lower Upper  
 152 100  
 150 151.8 123.7 185.5  
 115 63.9 52.5 78.7



#2  
 1,4-Dioxane  
 Concen: 0.168 ng  
 RT: 3.268 min Scan# 26  
 Delta R.T. -0.000 min  
 Lab File: BN036446.D  
 Acq: 12 Feb 2025 18:48

Tgt Ion: 88 Resp: 525  
 Ion Ratio Lower Upper  
 88 100  
 43 94.7 33.7 50.5#  
 58 92.4 68.9 103.3

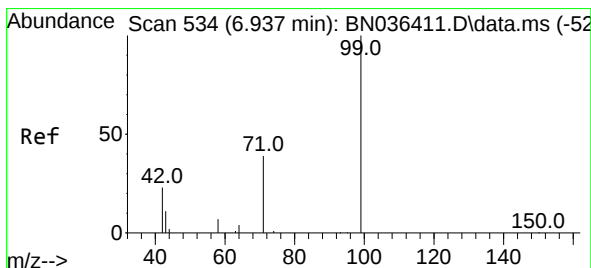
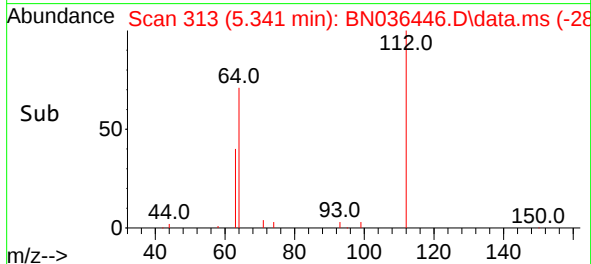
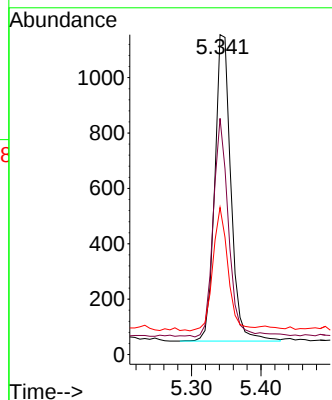
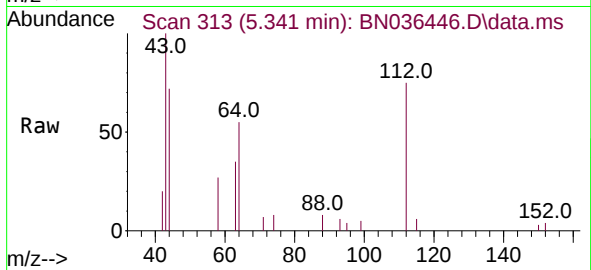




#4  
2-Fluorophenol  
Concen: 0.266 ng  
RT: 5.341 min Scan# 314  
Delta R.T. -0.007 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

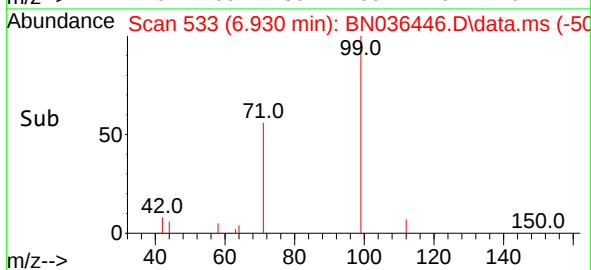
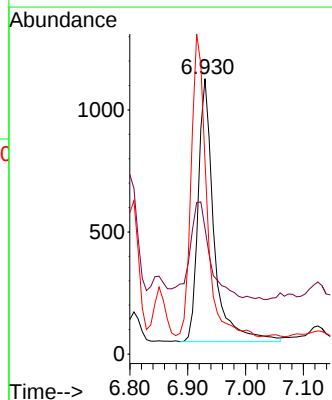
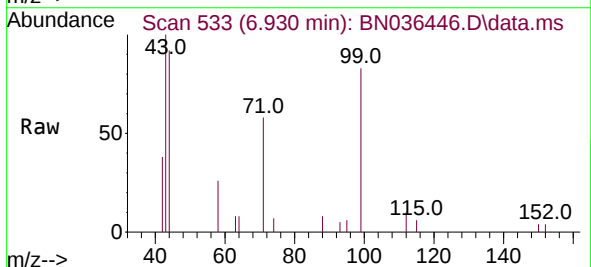
Instrument :  
BNA\_N  
ClientSampleId :  
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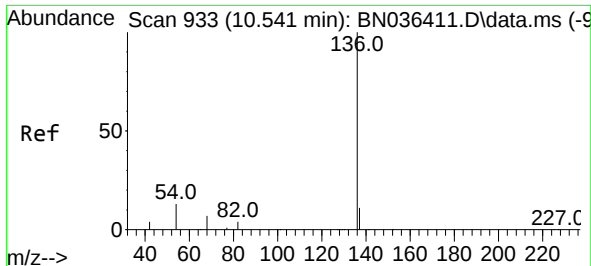
Tgt Ion:112 Resp: 1793  
Ion Ratio Lower Upper  
112 100  
64 68.7 53.4 80.0  
63 37.9 30.3 45.5



#5  
Phenol-d6  
Concen: 0.259 ng  
RT: 6.930 min Scan# 533  
Delta R.T. -0.007 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

Tgt Ion: 99 Resp: 2052  
Ion Ratio Lower Upper  
99 100  
42 48.1 21.7 32.5#  
71 111.3 32.6 49.0#

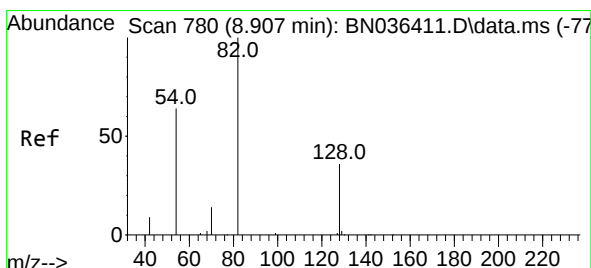
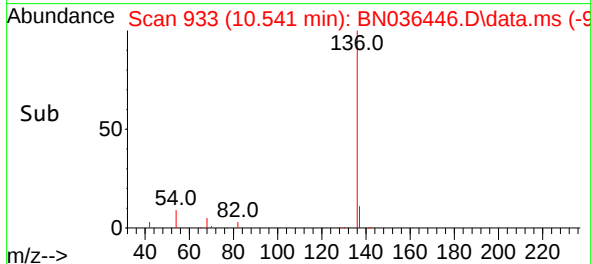
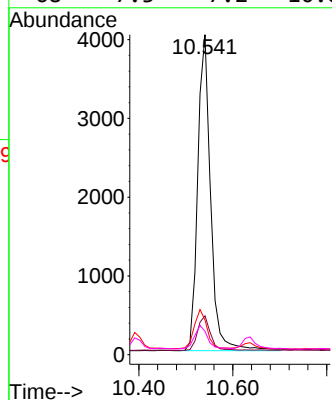
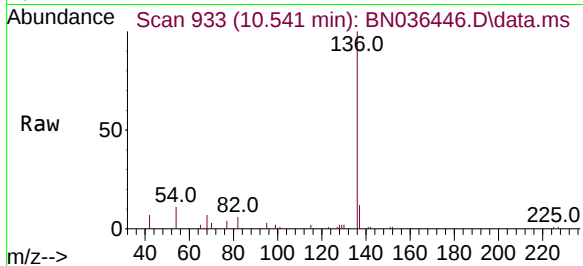




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.541 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

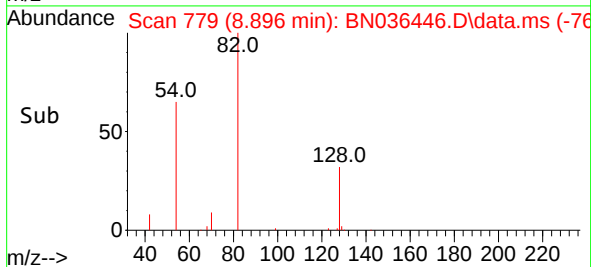
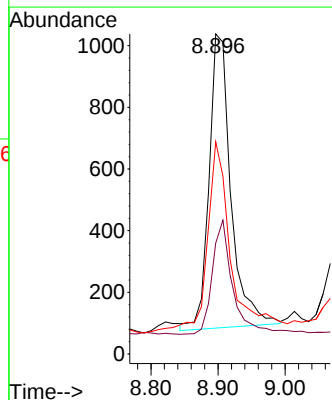
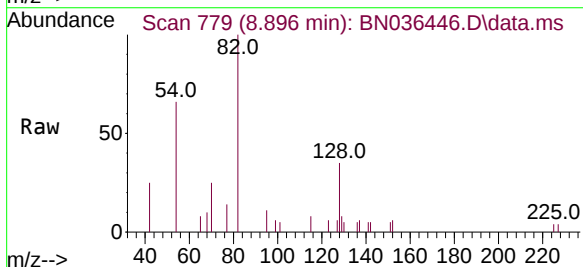
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-660-662

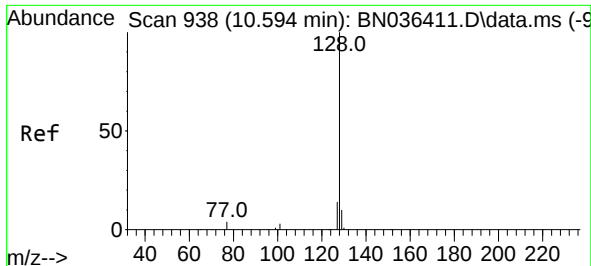
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 7661  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.1  | 10.1  | 15.1  |
| 54       | 10.8  | 11.8  | 17.6# |
| 68       | 7.3   | 7.2   | 10.8  |



#8  
Nitrobenzene-d5  
Concen: 0.286 ng  
RT: 8.896 min Scan# 779  
Delta R.T. -0.011 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2160  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 34.7  | 31.9  | 47.9  |
| 54       | 66.3  | 53.1  | 79.7  |

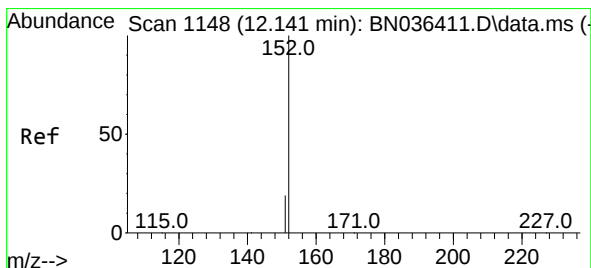
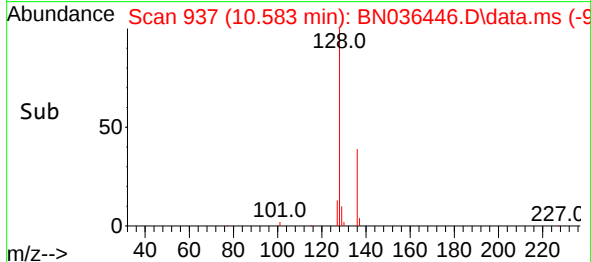
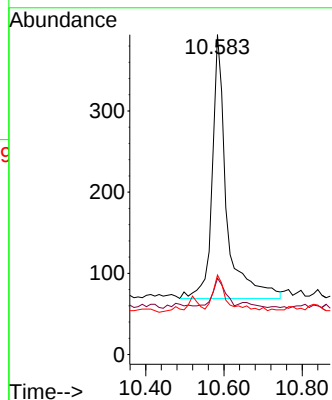
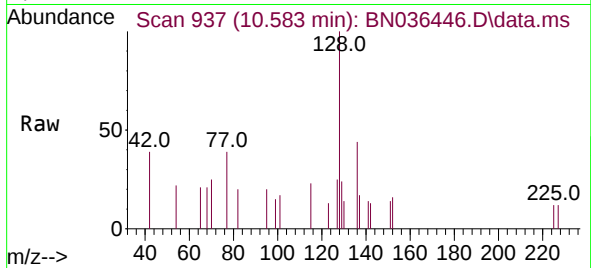




#9  
Naphthalene  
Concen: 0.038 ng  
RT: 10.583 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

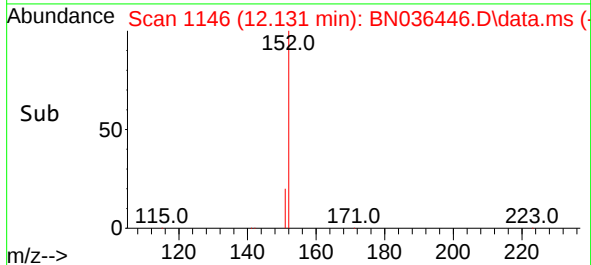
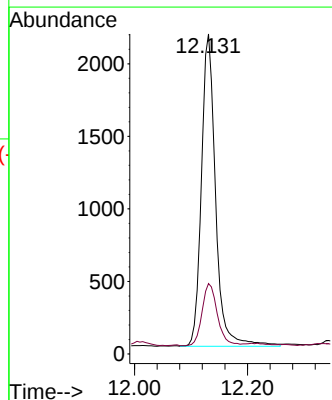
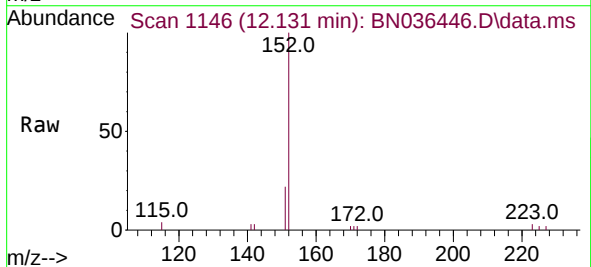
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ClientSampleId :  
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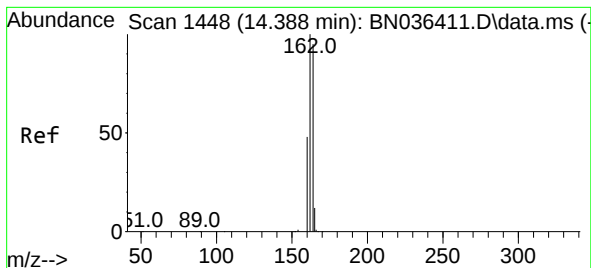
Tgt Ion:128 Resp: 830  
Ion Ratio Lower Upper  
128 100  
129 23.9 9.6 14.4#  
127 24.9 12.0 18.0#



#11  
2-Methylnaphthalene-d10  
Concen: 0.319 ng  
RT: 12.131 min Scan# 1146  
Delta R.T. -0.010 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

Tgt Ion:152 Resp: 3756  
Ion Ratio Lower Upper  
152 100  
151 21.6 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.387 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BN036446.D

Acq: 12 Feb 2025 18:48

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-192-GW-660-662

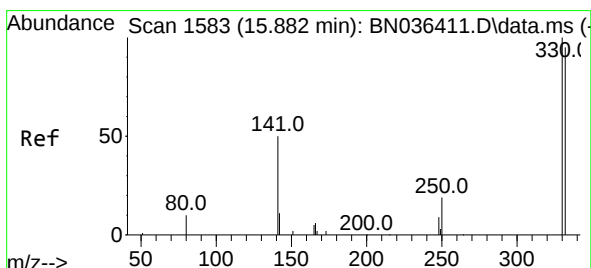
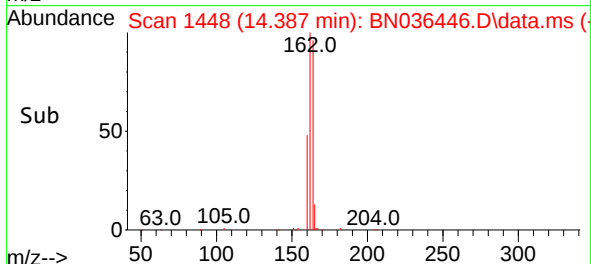
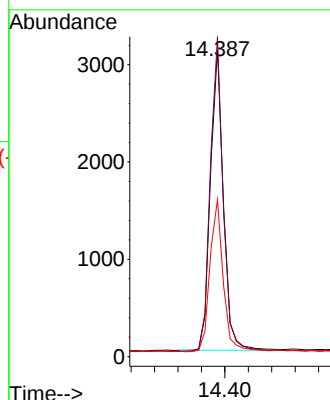
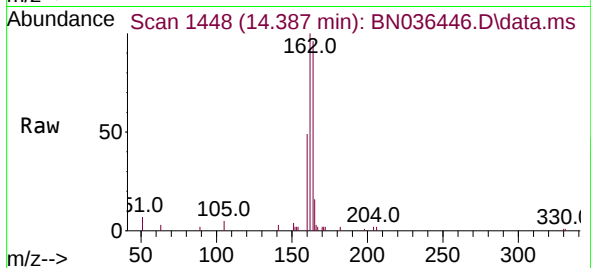
Tgt Ion:164 Resp: 4758

Ion Ratio Lower Upper

164 100

162 104.0 84.1 126.1

160 51.0 41.4 62.0



#14

2,4,6-Tribromophenol

Concen: 0.292 ng

RT: 15.882 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BN036446.D

Acq: 12 Feb 2025 18:48

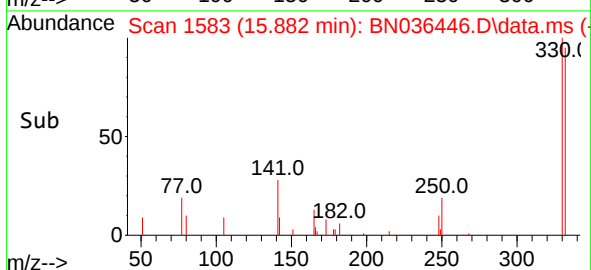
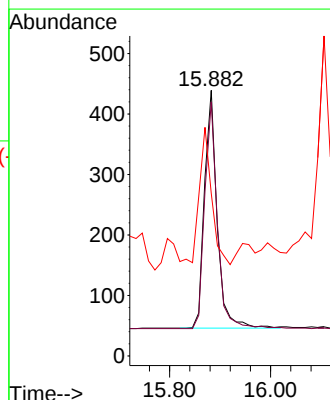
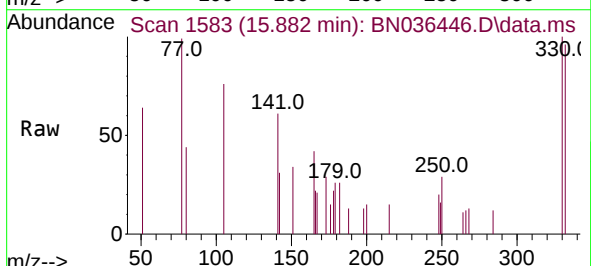
Tgt Ion:330 Resp: 689

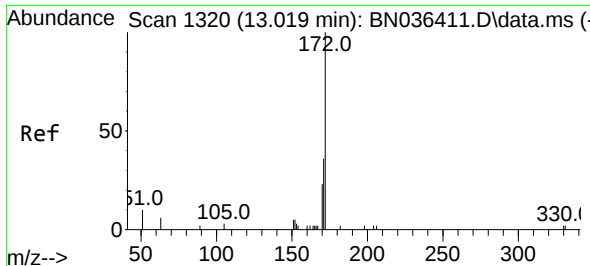
Ion Ratio Lower Upper

330 100

332 95.8 76.6 114.8

141 55.7 37.8 56.8

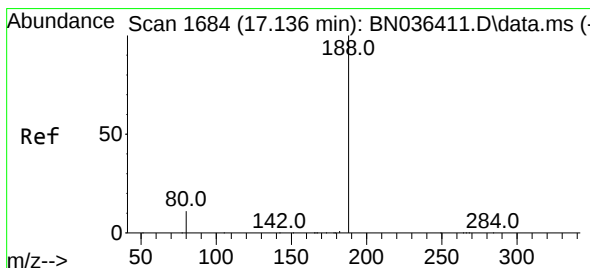
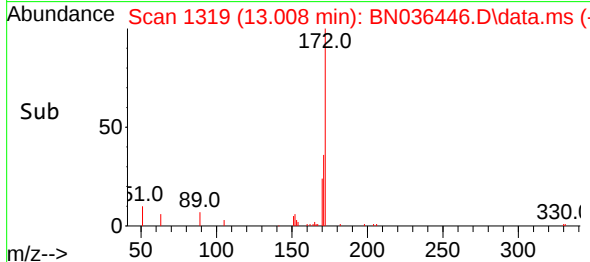
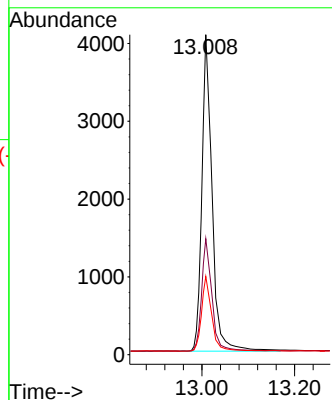
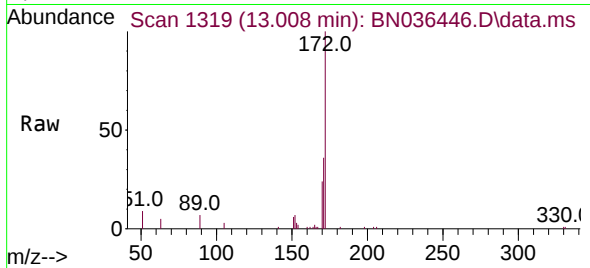




#15  
2-Fluorobiphenyl  
Concen: 0.384 ng  
RT: 13.008 min Scan# 1319  
Delta R.T. -0.011 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

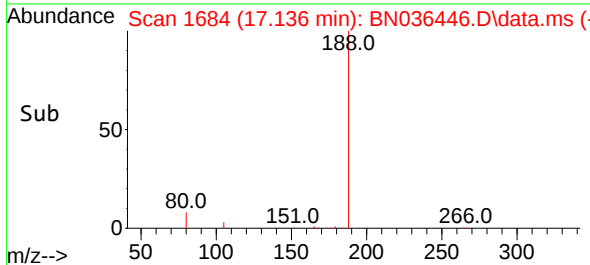
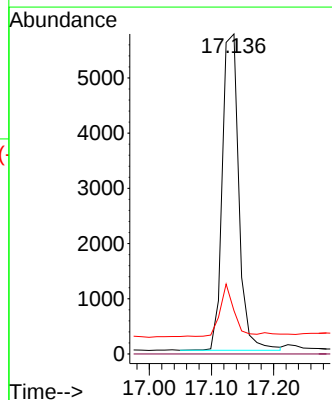
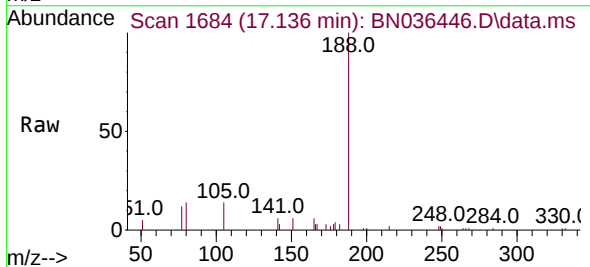
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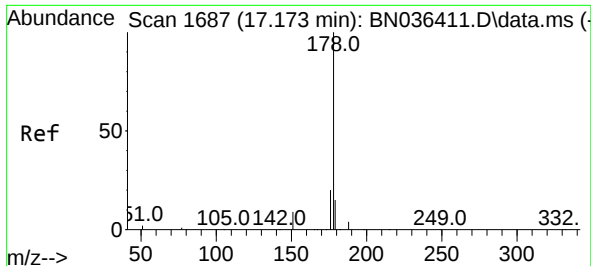
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|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 6874  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.3  | 29.6  | 44.4  |
| 170      | 24.5  | 19.8  | 29.6  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.136 min Scan# 1684  
Delta R.T. -0.000 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 10555 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 13.6  | 9.8   | 14.6  |

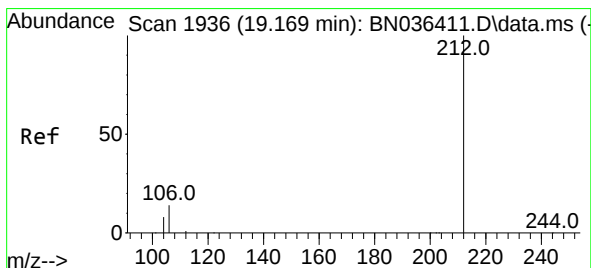
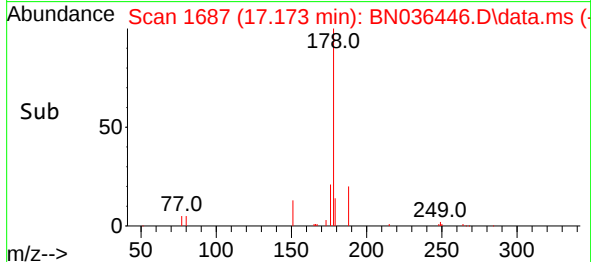
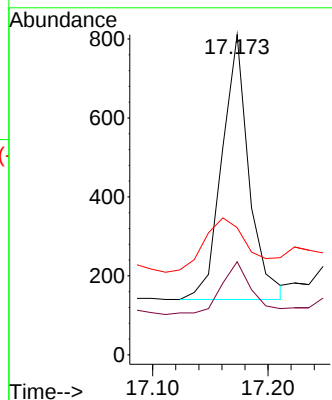
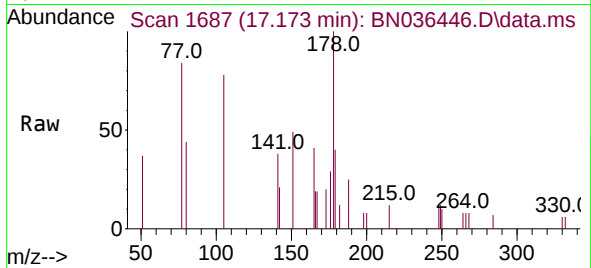




#25  
Phenanthrene  
Concen: 0.036 ng  
RT: 17.173 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

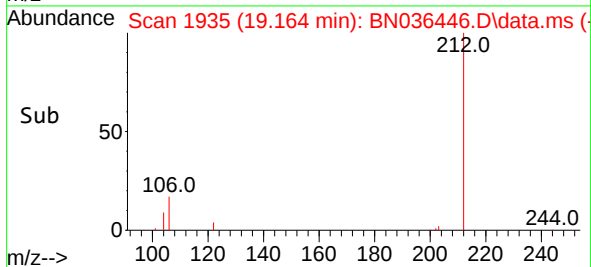
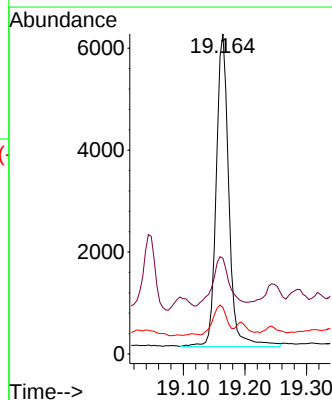
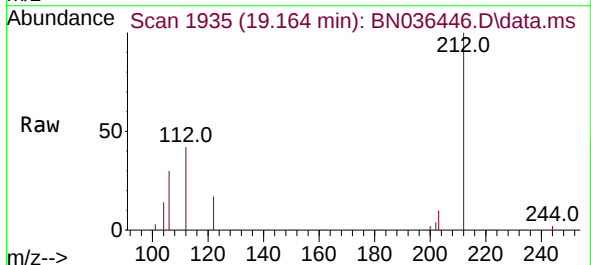
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-660-662

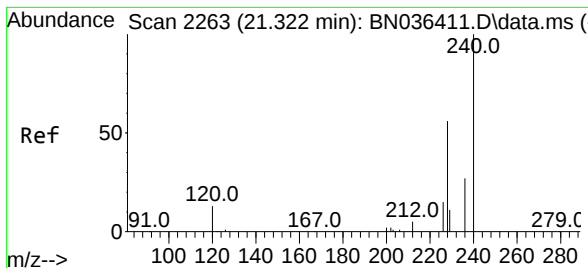
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Ion Ratio Lower Upper  
178 100  
176 22.9 15.7 23.5  
179 32.3 12.4 18.6#



#27  
Fluoranthene-d10  
Concen: 0.297 ng  
RT: 19.164 min Scan# 1935  
Delta R.T. -0.005 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

Tgt Ion:212 Resp: 8713  
Ion Ratio Lower Upper  
212 100  
106 20.8 11.5 17.3#  
104 10.6 7.1 10.7





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.322 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN036446.D

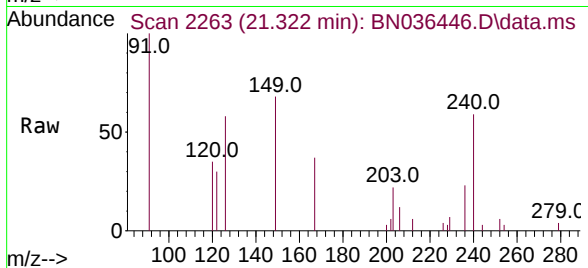
Acq: 12 Feb 2025 18:48

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-192-GW-660-662



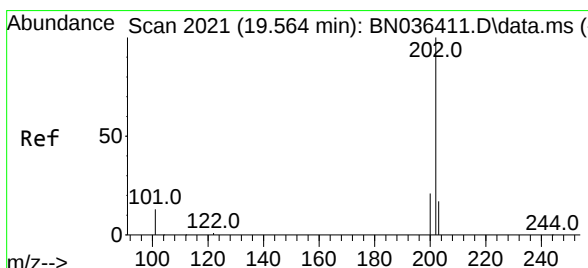
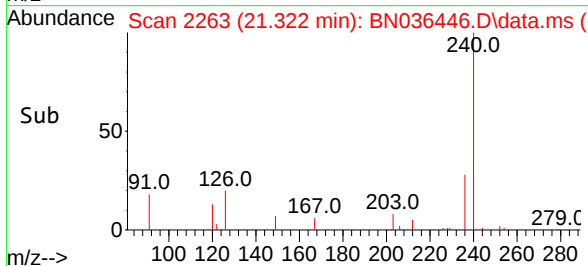
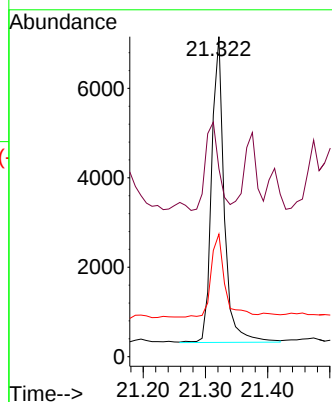
Tgt Ion:240 Resp: 9596

Ion Ratio Lower Upper

240 100

120 58.8 13.3 19.9#

236 38.3 23.0 34.6#



#30

Pyrene

Concen: 0.026 ng

RT: 19.559 min Scan# 2020

Delta R.T. -0.005 min

Lab File: BN036446.D

Acq: 12 Feb 2025 18:48

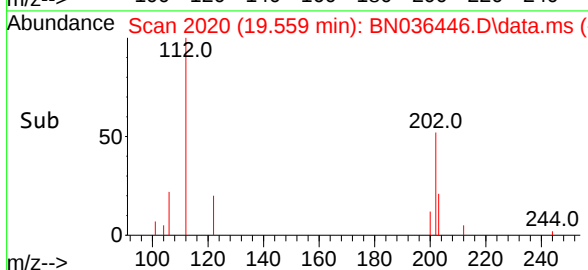
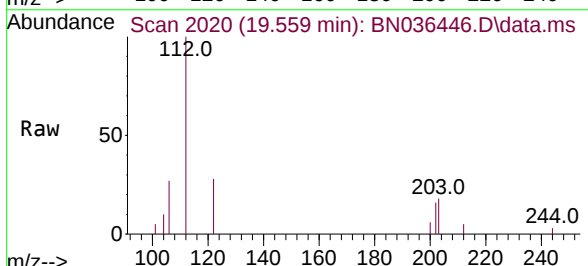
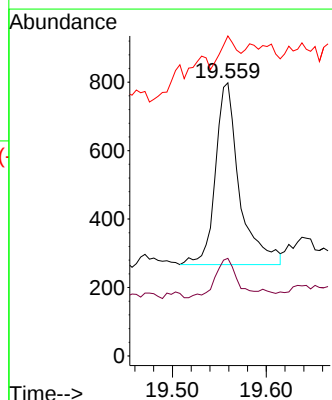
Tgt Ion:202 Resp: 945

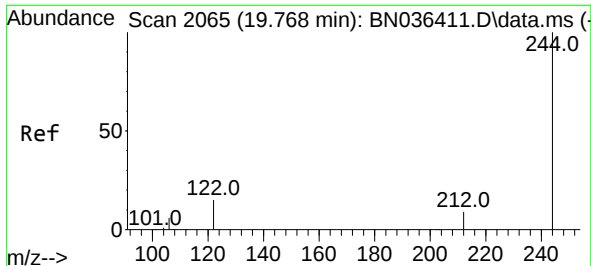
Ion Ratio Lower Upper

202 100

200 20.0 16.9 25.3

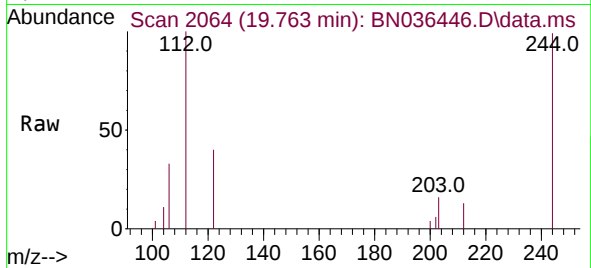
203 12.3 13.9 20.9#



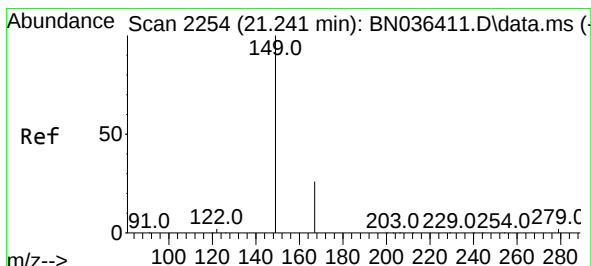
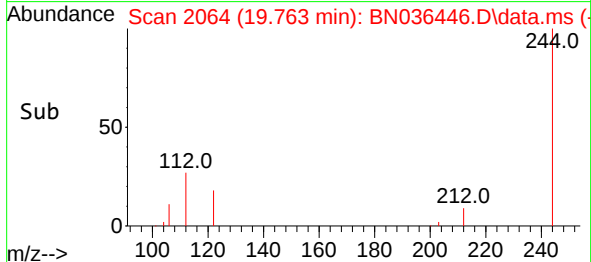
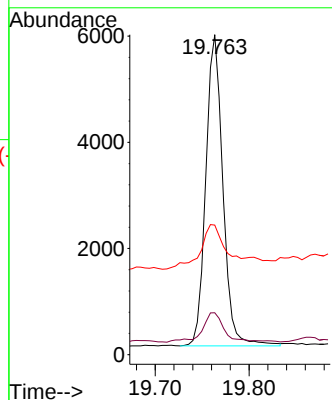


#31  
 Terphenyl-d14  
 Concen: 0.362 ng  
 RT: 19.763 min Scan# 2064  
 Delta R.T. -0.005 min  
 Lab File: BN036446.D  
 Acq: 12 Feb 2025 18:48

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-192-GW-660-662

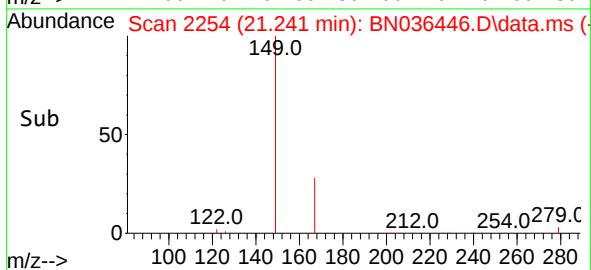
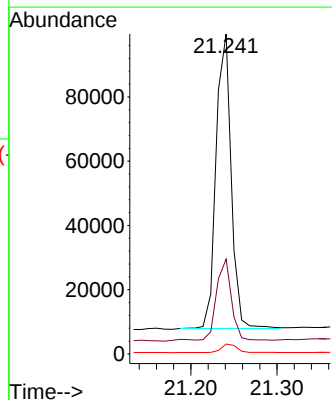
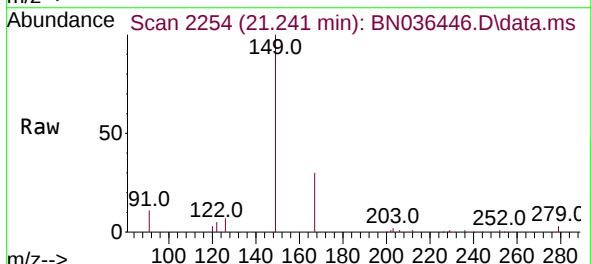


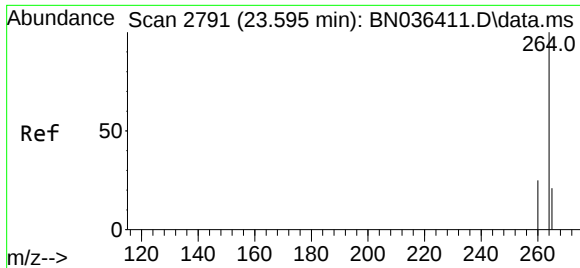
Tgt Ion:244 Resp: 7417  
 Ion Ratio Lower Upper  
 244 100  
 212 13.1 8.1 12.1#  
 122 40.5 12.8 19.2#



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.660 ng  
 RT: 21.241 min Scan# 2254  
 Delta R.T. -0.000 min  
 Lab File: BN036446.D  
 Acq: 12 Feb 2025 18:48

Tgt Ion:149 Resp: 111354  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 21.2 31.8  
 279 2.9 2.7 4.1





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.589 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BN036446.D  
Acq: 12 Feb 2025 18:48

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-192-GW-660-662

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 264   | Resp: | 8144 |
| Ion Ratio | Lower | Upper |      |
| 264       | 100   |       |      |
| 260       | 28.9  | 20.9  | 31.3 |
| 265       | 75.1  | 60.7  | 91.1 |

