

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092525\  
 Data File : BN037892.D  
 Acq On : 25 Sep 2025 17:01  
 Operator : RC/JU  
 Sample : Q3141-07  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-184-GW-220-222

Quant Time: Sep 25 17:26:24 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN092325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 24 11:00:01 2025  
 Response via : Initial Calibration

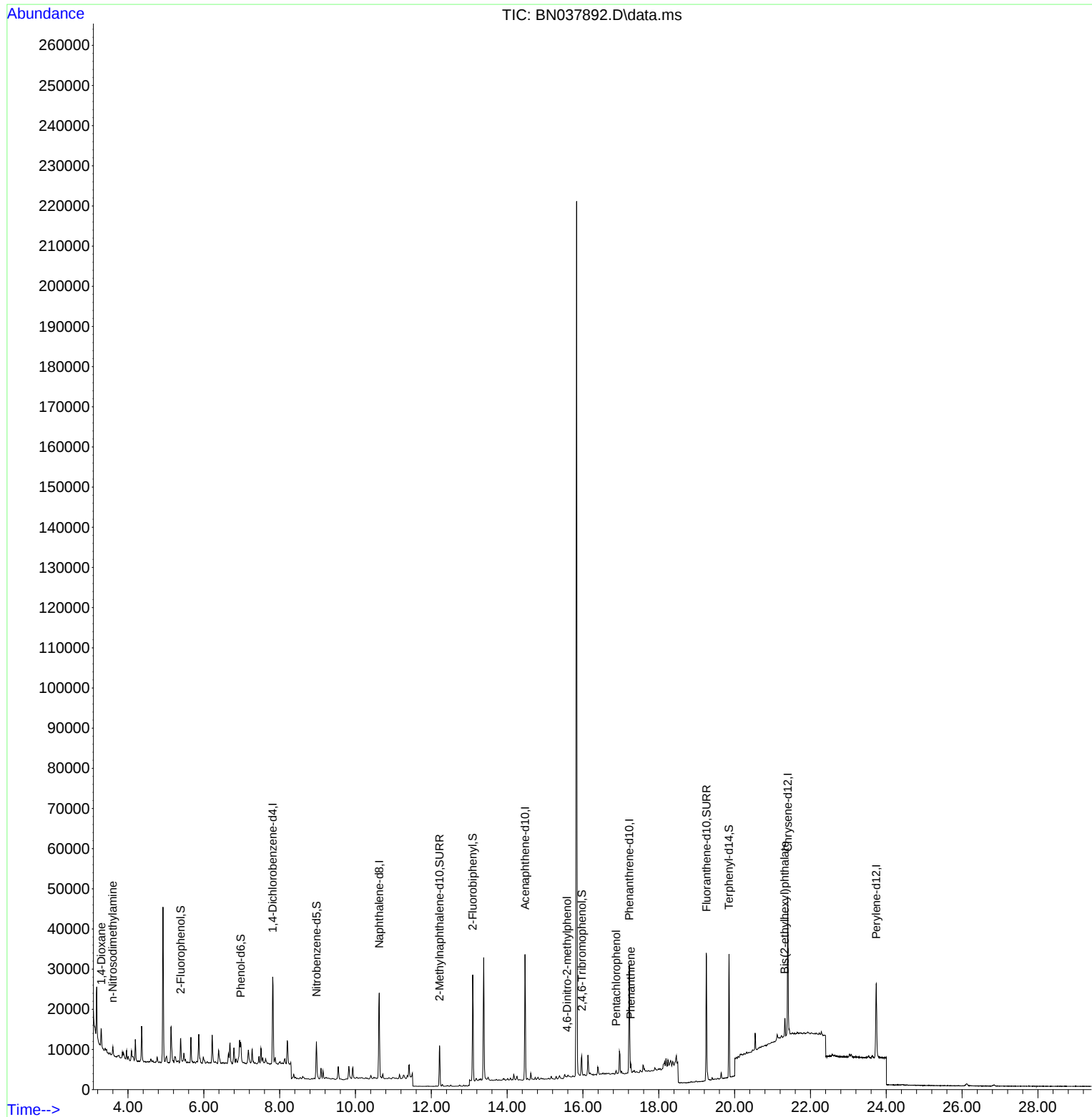
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.818  | 152  | 9376     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.626 | 136  | 28623    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.473 | 164  | 16601    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.223 | 188  | 34086    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.402 | 240  | 29285    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.736 | 264  | 25119    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.392  | 112  | 4690     | 0.219 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.973  | 99   | 4382     | 0.156 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.971  | 82   | 7171     | 0.328 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.217 | 152  | 13372    | 0.336 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.969 | 330  | 3039     | 0.483 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.094 | 172  | 21747    | 0.320 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.257 | 212  | 34849    | 0.406 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.852 | 244  | 28946    | 0.496 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.297  | 88   | 3134     | 0.329 | ng    | # 73     |
| 3) n-Nitrosodimethylamine     | 3.601  | 42   | 406      | 0.032 | ng    | # 12     |
| 20) 4,6-Dinitro-2-methylph... | 15.585 | 198  | 27       | 0.074 | ng    | # 1      |
| 24) Pentachlorophenol         | 16.876 | 266  | 438      | 0.047 | ng    | 87       |
| 25) Phenanthrene              | 17.260 | 178  | 2277     | 0.020 | ng    | # 90     |
| 34) Bis(2-ethylhexyl)phtha... | 21.322 | 149  | 5069     | 0.125 | ng    | # 98     |
| -----                         |        |      |          |       |       |          |

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

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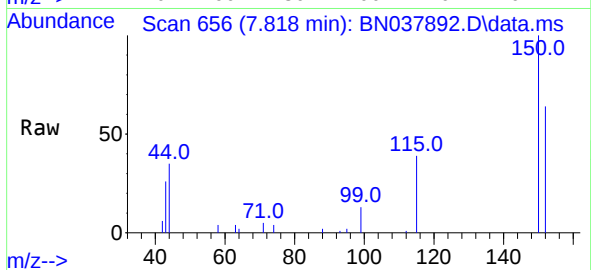
Quant Time: Sep 25 17:26:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN092325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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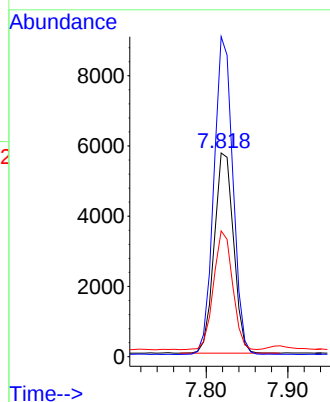
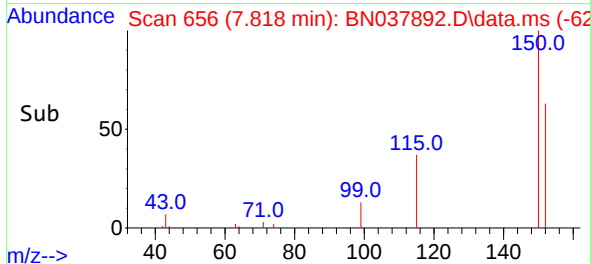


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.818 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222

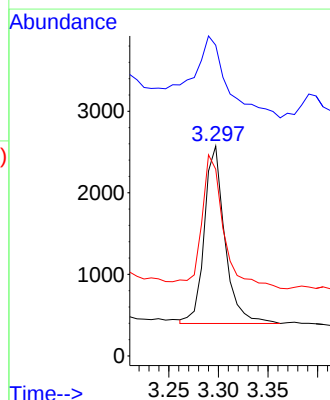
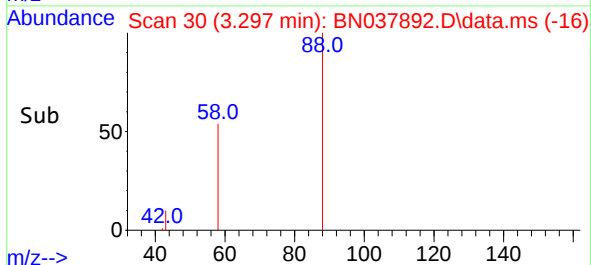
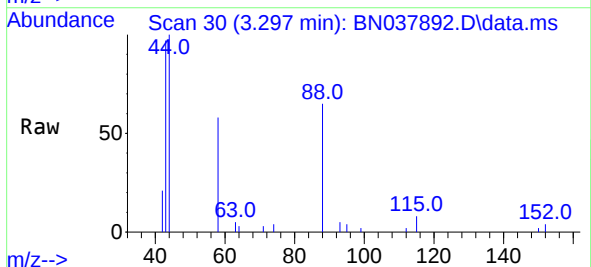


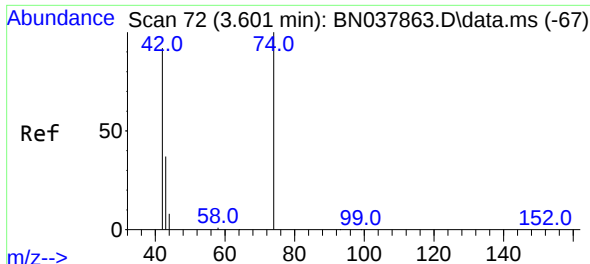
Tgt Ion:152 Resp: 9376  
Ion Ratio Lower Upper  
152 100  
150 157.1 121.0 181.4  
115 61.7 47.4 71.0



#2  
1,4-Dioxane  
Concen: 0.329 ng  
RT: 3.297 min Scan# 30  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion: 88 Resp: 3134  
Ion Ratio Lower Upper  
88 100  
43 72.3 26.6 39.8#  
58 81.0 58.9 88.3

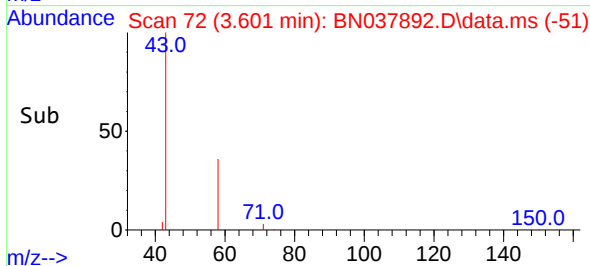
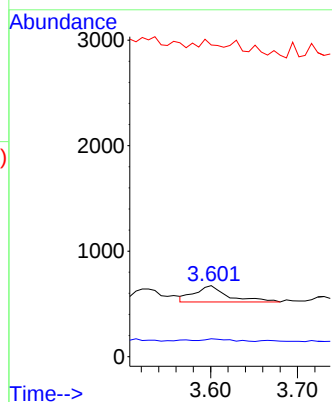
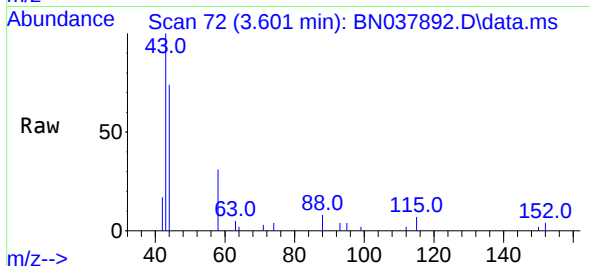




#3  
n-Nitrosodimethylamine  
Concen: 0.032 ng  
RT: 3.601 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

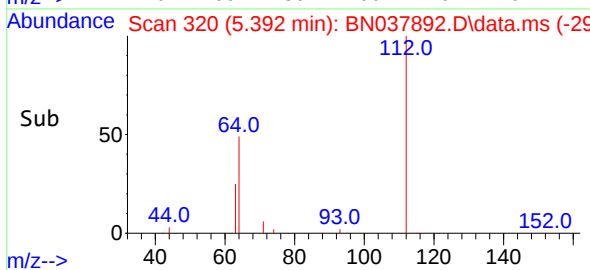
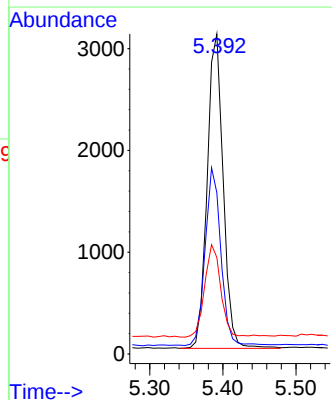
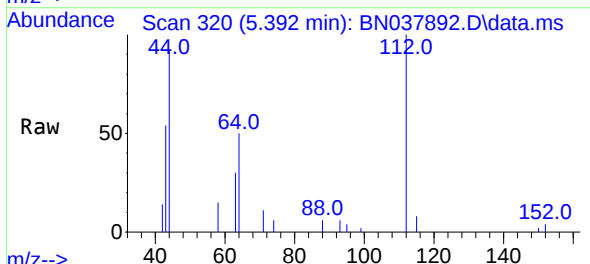
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222

Tgt Ion: 42 Resp: 406  
Ion Ratio Lower Upper  
42 100  
74 11.8 93.4 140.0#  
44 0.0 22.2 33.4#



#4  
2-Fluorophenol  
Concen: 0.219 ng  
RT: 5.392 min Scan# 320  
Delta R.T. 0.007 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

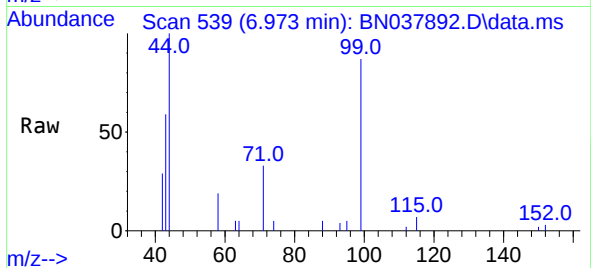
Tgt Ion: 112 Resp: 4690  
Ion Ratio Lower Upper  
112 100  
64 55.0 44.6 66.8  
63 29.5 24.9 37.3





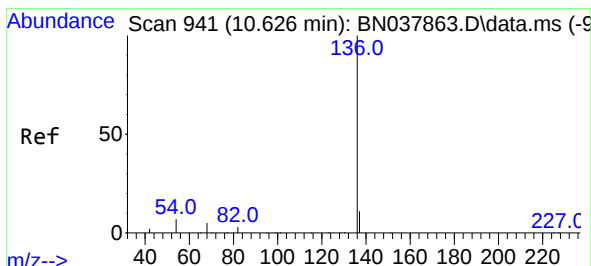
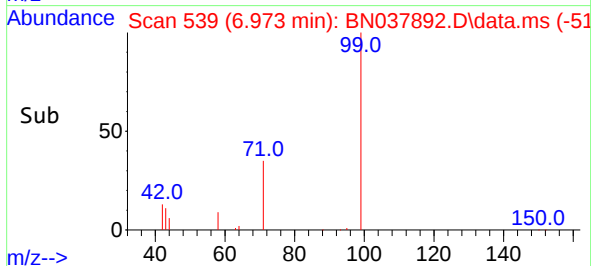
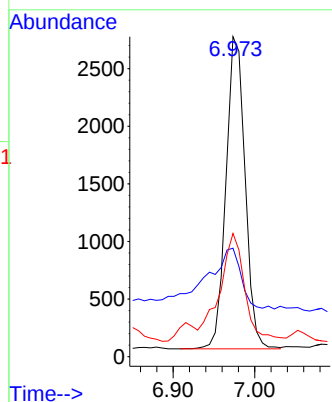
#5  
Phenol-d6  
Concen: 0.156 ng  
RT: 6.973 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222



Tgt Ion: 99 Resp: 4382

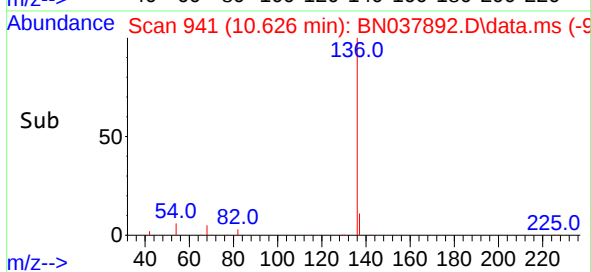
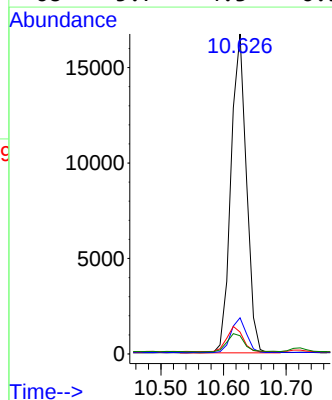
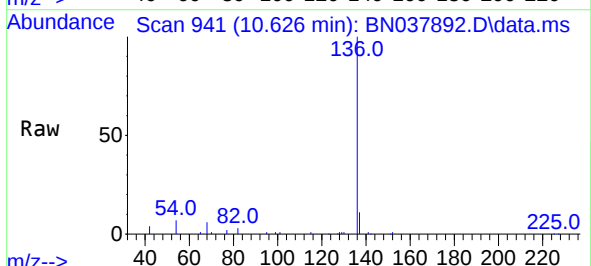
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 35.8  | 17.2  | 25.8# |
| 71  | 46.2  | 27.3  | 40.9# |

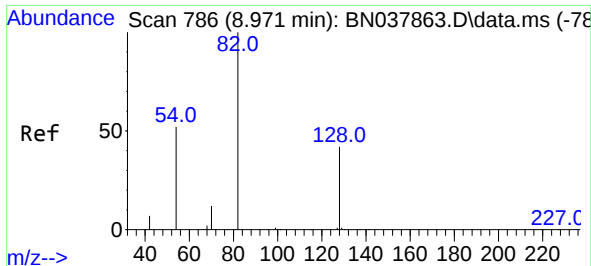


#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.626 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion: 136 Resp: 28623

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.0   | 13.4  |
| 54  | 6.8   | 5.8   | 8.8   |
| 68  | 5.7   | 4.3   | 6.5   |

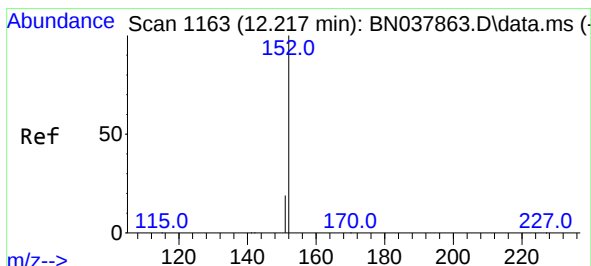
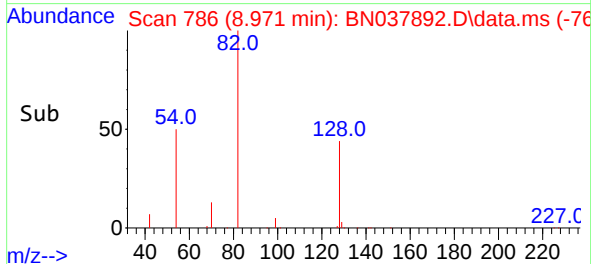
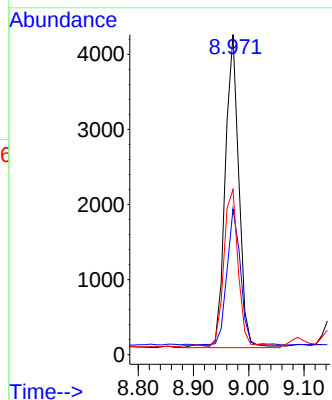
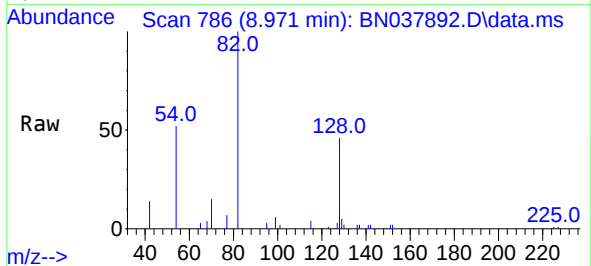




#8  
Nitrobenzene-d5  
Concen: 0.328 ng  
RT: 8.971 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

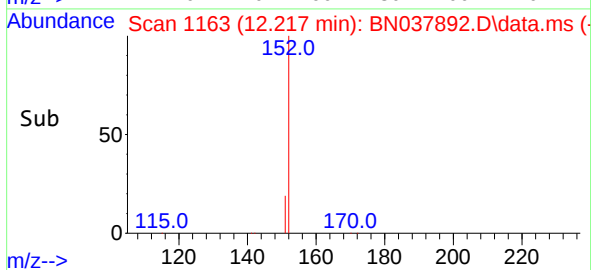
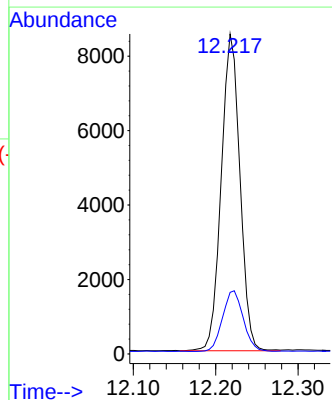
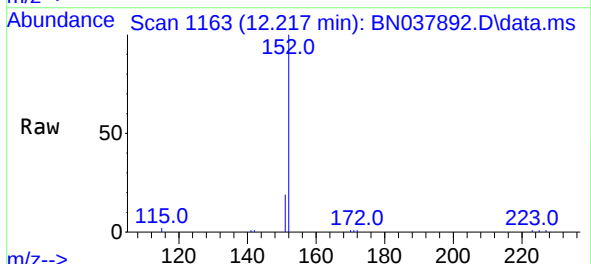
Instrument :  
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BP-VPB-184-GW-220-222

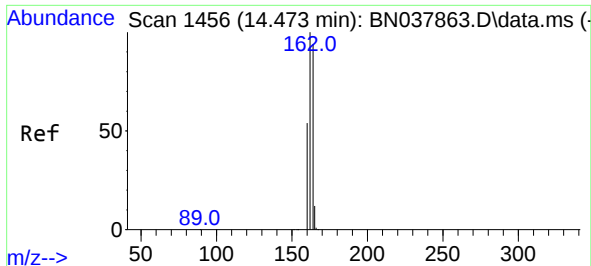
Tgt Ion: 82 Resp: 7171  
Ion Ratio Lower Upper  
82 100  
128 45.5 34.8 52.2  
54 51.7 42.2 63.2



#11  
2-Methylnaphthalene-d10  
Concen: 0.336 ng  
RT: 12.217 min Scan# 1163  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion: 152 Resp: 13372  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.4 26.2

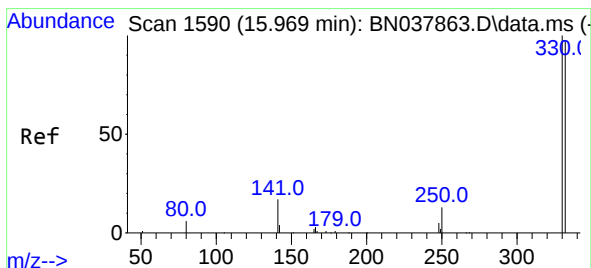
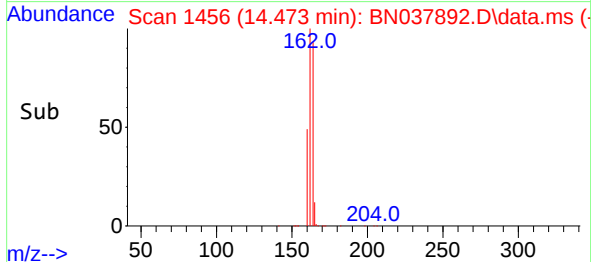
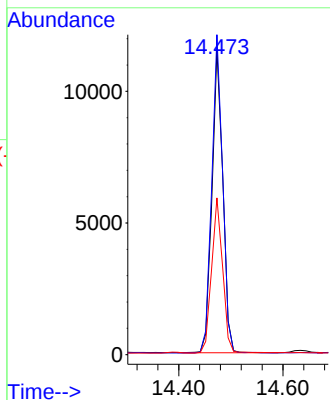
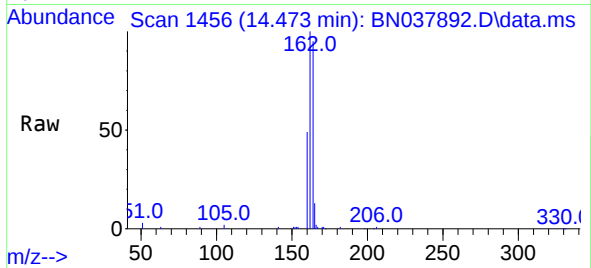




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.473 min Scan# 1456  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

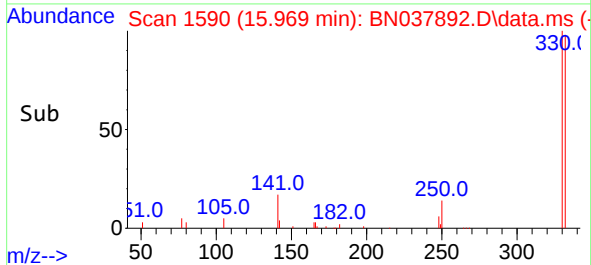
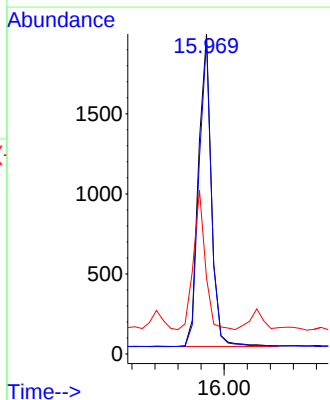
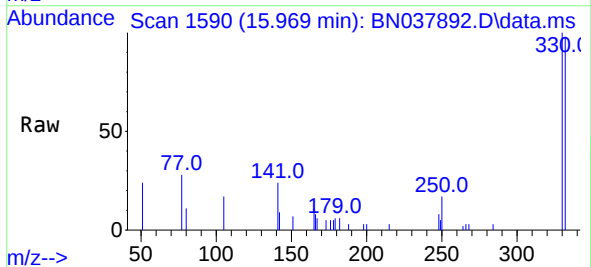
Instrument :  
BNA\_N  
ClientSampleId :  
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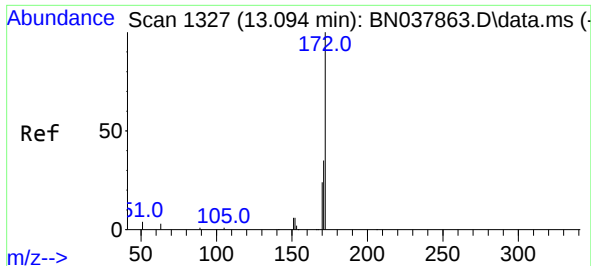
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|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 16601 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 105.1 | 84.8  | 127.2 |
| 160      | 51.5  | 46.1  | 69.1  |



#14  
2,4,6-Tribromophenol  
Concen: 0.483 ng  
RT: 15.969 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 3039  |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 95.6  | 77.2  | 115.8 |
| 141      | 40.6  | 37.2  | 55.8  |

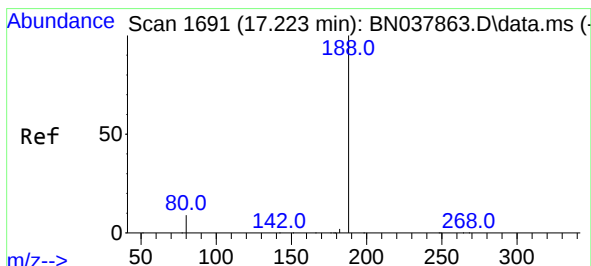
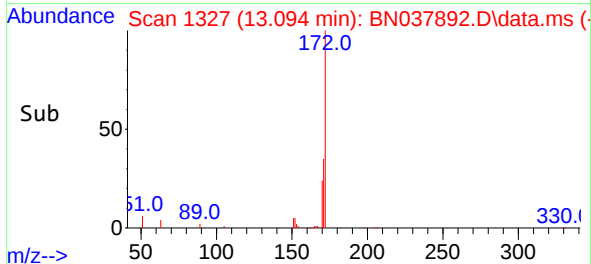
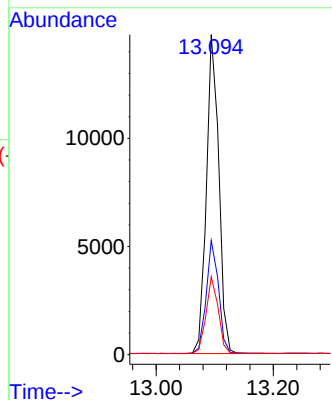
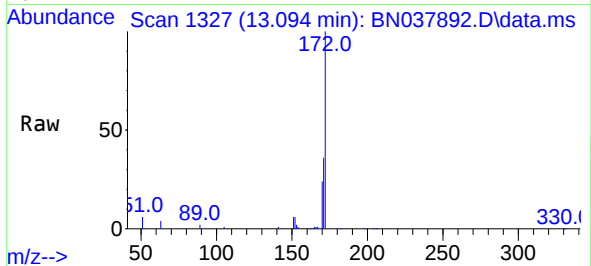




#15  
2-Fluorobiphenyl  
Concen: 0.320 ng  
RT: 13.094 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

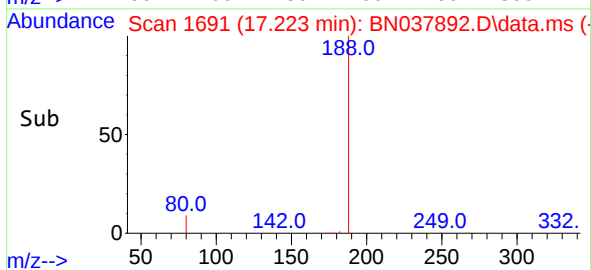
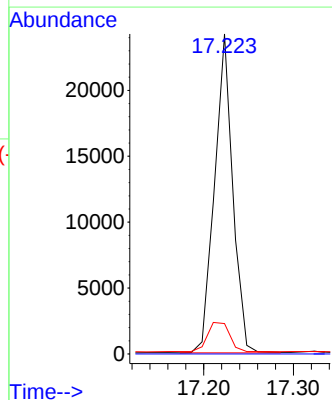
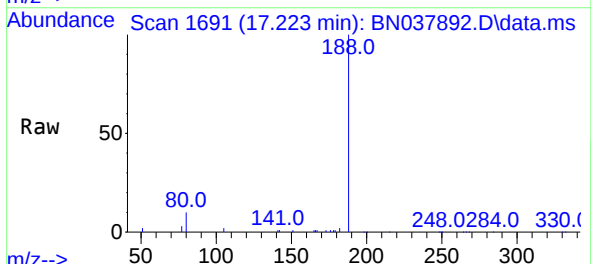
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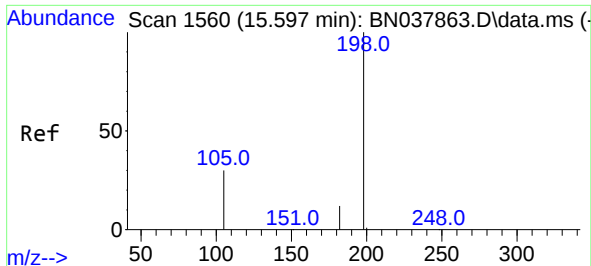
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|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 21747 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 35.7  | 28.6  | 43.0  |
| 170      | 24.4  | 19.7  | 29.5  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.223 min Scan# 1691  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 188   | Resp: | 34086 |
| Ion      | Ratio | Lower | Upper |
| 188      | 100   |       |       |
| 94       | 0.0   | 0.0   | 0.0   |
| 80       | 9.5   | 7.6   | 11.4  |

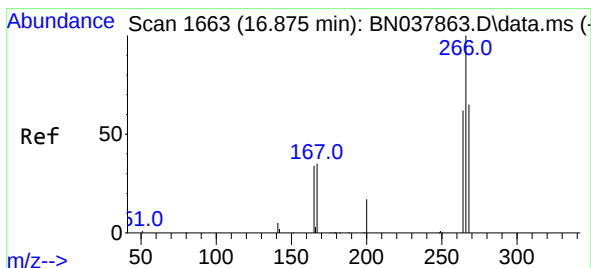
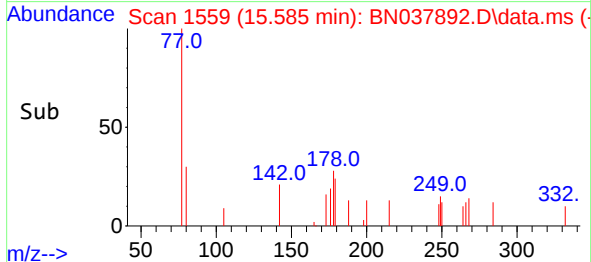
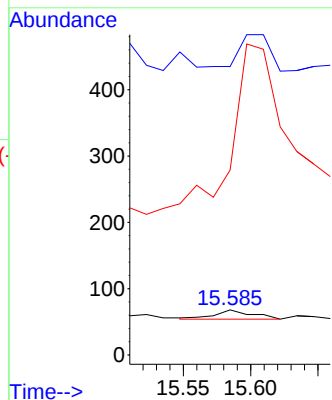
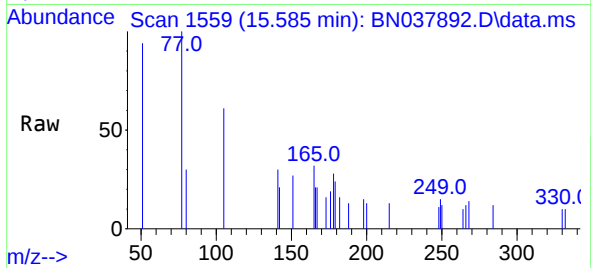




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.074 ng  
RT: 15.585 min Scan# 1559  
Delta R.T. -0.012 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

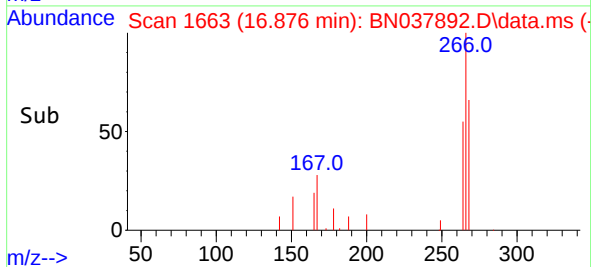
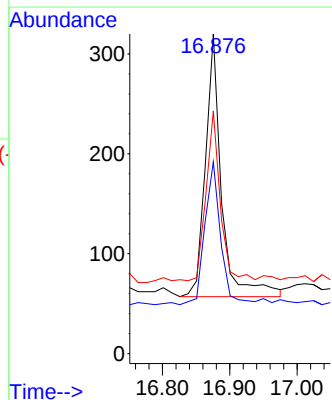
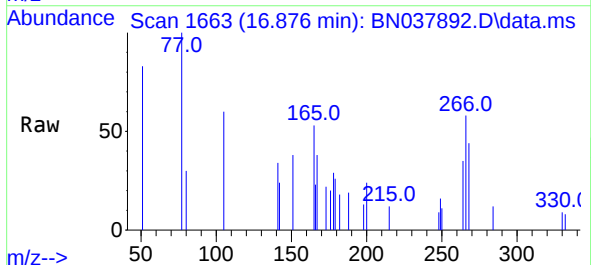
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222

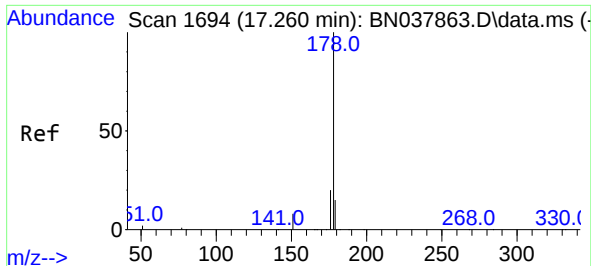
Tgt Ion:198 Resp: 27  
Ion Ratio Lower Upper  
198 100  
51 639.7 59.1 88.7#  
105 410.3 41.3 61.9#



#24  
Pentachlorophenol  
Concen: 0.047 ng  
RT: 16.876 min Scan# 1663  
Delta R.T. 0.001 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion:266 Resp: 438  
Ion Ratio Lower Upper  
266 100  
264 53.7 50.9 76.3  
268 56.8 54.3 81.5

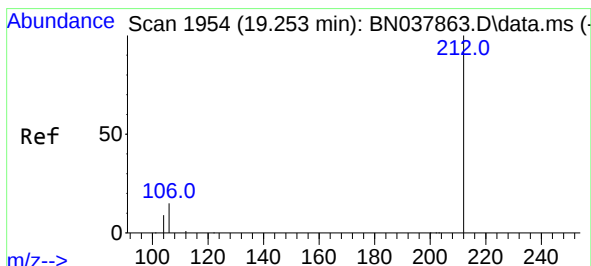
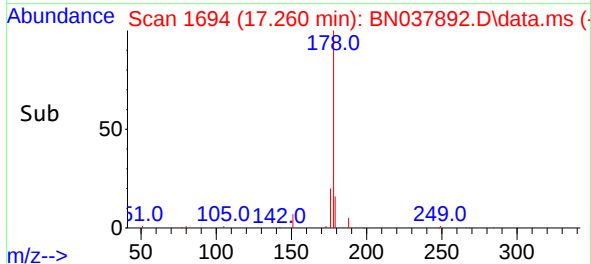
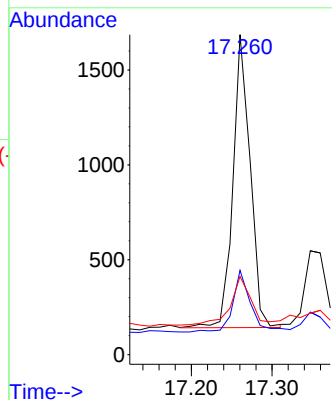
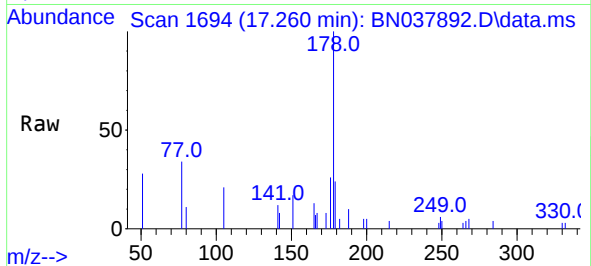




#25  
Phenanthrene  
Concen: 0.020 ng  
RT: 17.260 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

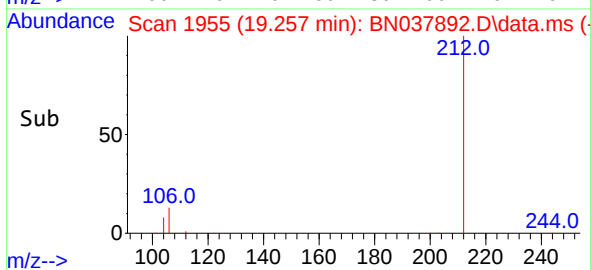
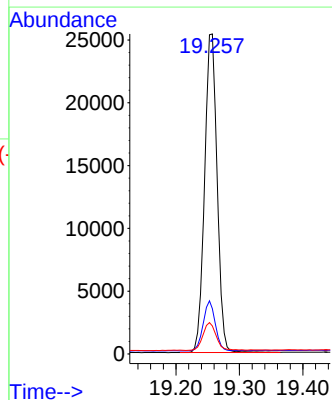
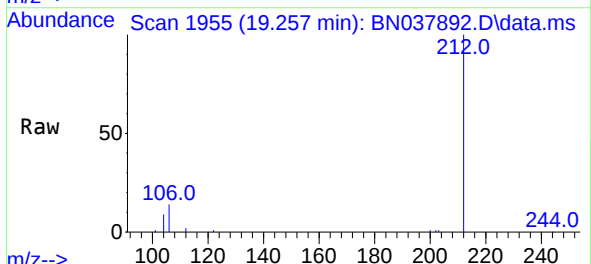
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222

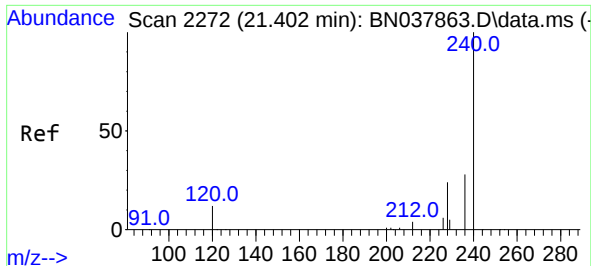
Tgt Ion:178 Resp: 2277  
Ion Ratio Lower Upper  
178 100  
176 22.0 15.7 23.5  
179 21.9 12.3 18.5#



#27  
Fluoranthene-d10  
Concen: 0.406 ng  
RT: 19.257 min Scan# 1955  
Delta R.T. 0.005 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion:212 Resp: 34849  
Ion Ratio Lower Upper  
212 100  
106 15.0 12.6 19.0  
104 9.3 7.4 11.0

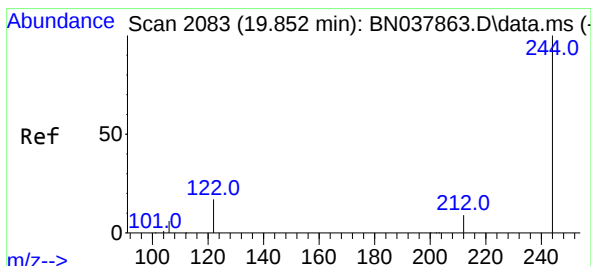
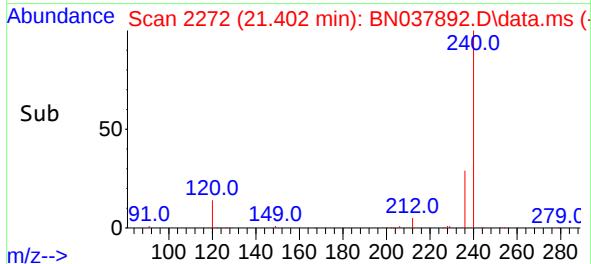
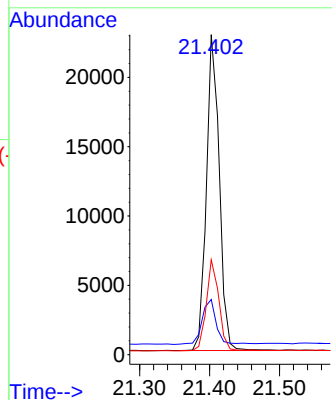
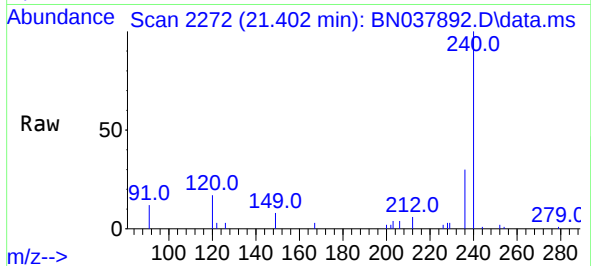




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.402 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

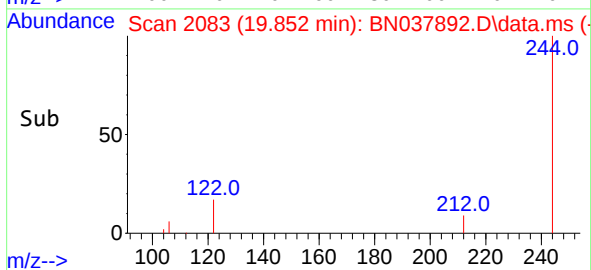
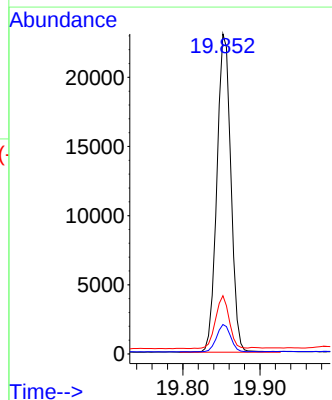
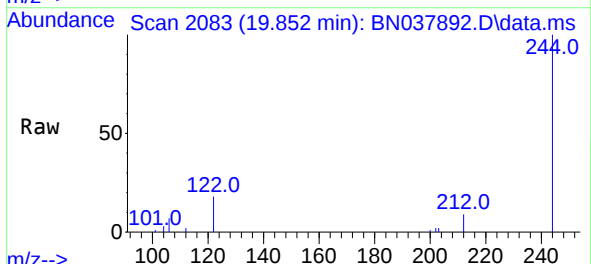
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222

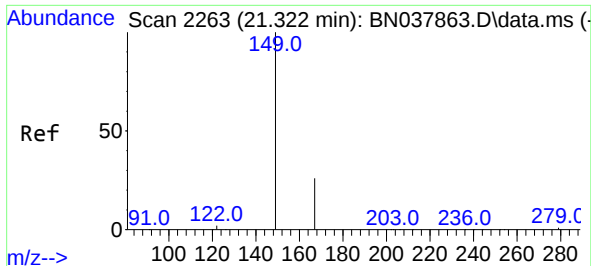
Tgt Ion:240 Resp: 29285  
Ion Ratio Lower Upper  
240 100  
120 17.2 11.4 17.2#  
236 29.6 23.0 34.6



#31  
Terphenyl-d14  
Concen: 0.496 ng  
RT: 19.852 min Scan# 2083  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion:244 Resp: 28946  
Ion Ratio Lower Upper  
244 100  
212 9.2 7.6 11.4  
122 18.2 13.9 20.9

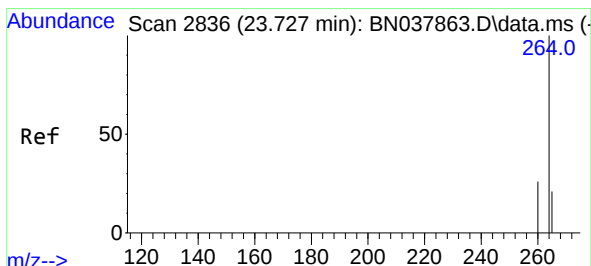
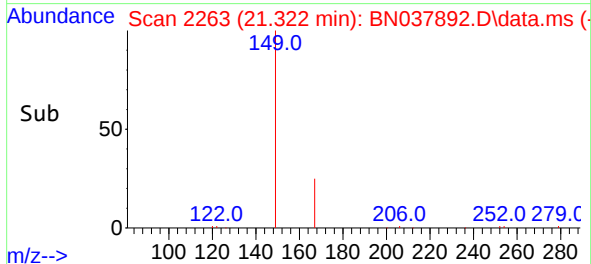
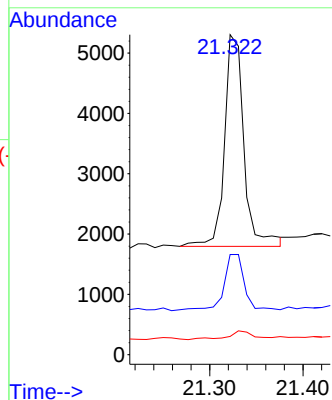
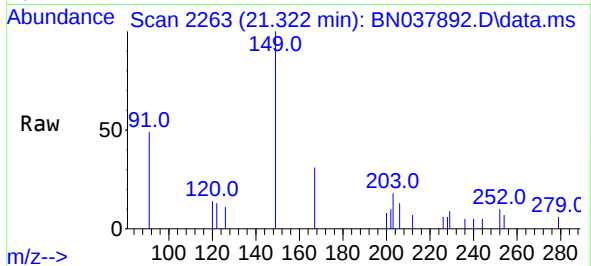




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.125 ng  
RT: 21.322 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-184-GW-220-222

Tgt Ion:149 Resp: 5069  
Ion Ratio Lower Upper  
149 100  
167 26.0 20.4 30.6  
279 5.6 2.4 3.6#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.736 min Scan# 2839  
Delta R.T. 0.009 min  
Lab File: BN037892.D  
Acq: 25 Sep 2025 17:01

Tgt Ion:264 Resp: 25119  
Ion Ratio Lower Upper  
264 100  
260 26.9 21.5 32.3  
265 59.2 53.8 80.6

