

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN111025\  
 Data File : BN038179.D  
 Acq On : 10 Nov 2025 13:16  
 Operator : RC/JU  
 Sample : Q3552-03DL 5X  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-9DL

Quant Time: Nov 10 15:03:02 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN102825.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 29 13:09:46 2025  
 Response via : Initial Calibration

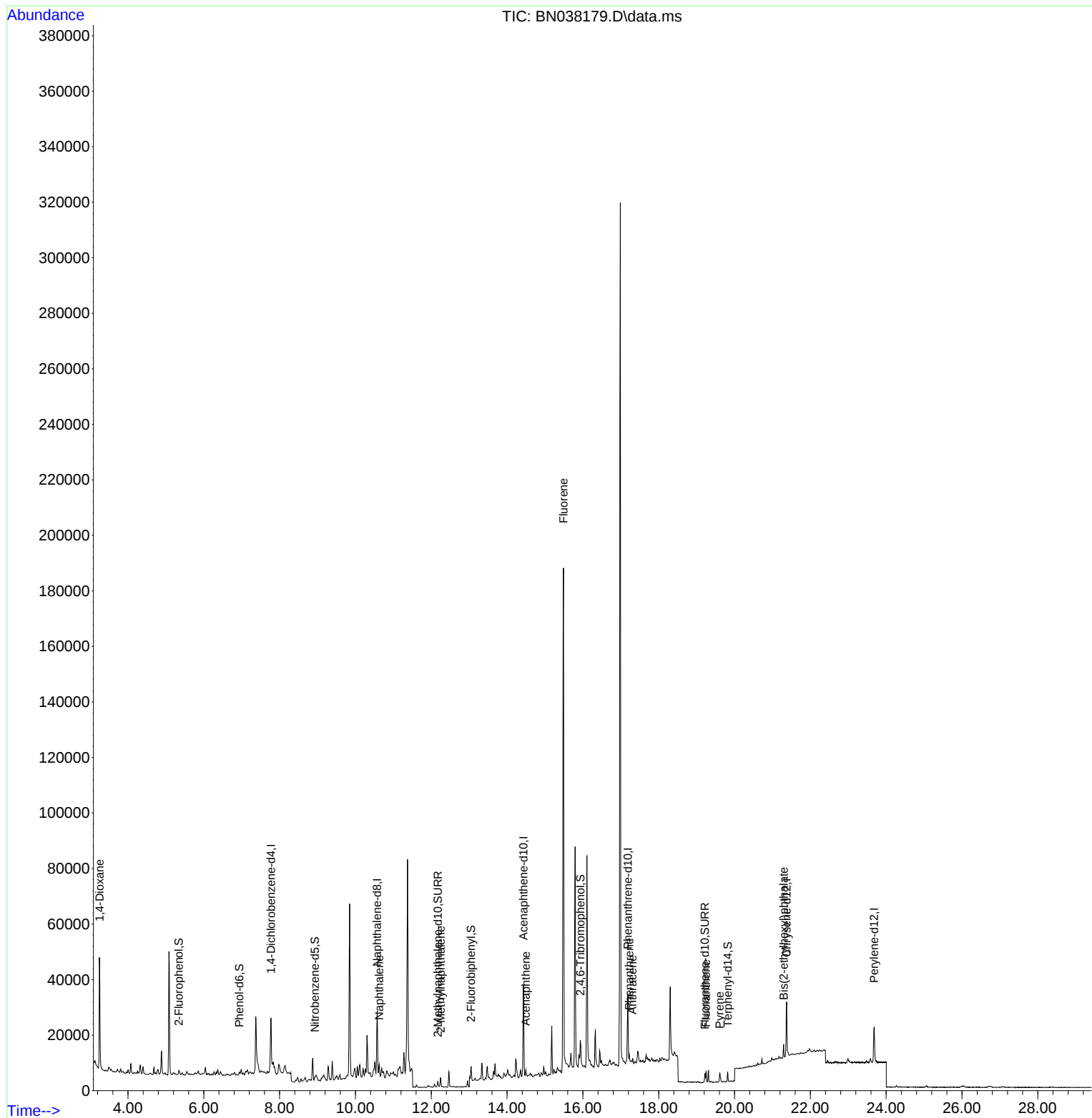
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 9073     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.573 | 136  | 30875    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.430 | 164  | 19011    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.186 | 188  | 33058    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.375 | 240  | 19022    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.683 | 264  | 17692    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.341  | 112  | 793      | 0.037 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.937  | 99   | 548      | 0.021 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.929  | 82   | 1297     | 0.052 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.172 | 152  | 2386     | 0.054 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.932 | 330  | 560      | 0.071 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.051 | 172  | 4415     | 0.058 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.220 | 212  | 3544     | 0.043 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.819 | 244  | 3364     | 0.081 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.254  | 88   | 25832    | 2.756 | ng    | 99       |
| 9) Naphthalene                | 10.626 | 128  | 5169     | 0.061 | ng    | # 88     |
| 12) 2-Methylnaphthalene       | 12.248 | 142  | 2609     | 0.046 | ng    | # 92     |
| 17) Acenaphthene              | 14.494 | 154  | 1705     | 0.028 | ng    | # 83     |
| 18) Fluorene                  | 15.489 | 166  | 3169     | 0.040 | ng    | # 1      |
| 25) Phenanthrene              | 17.223 | 178  | 2937     | 0.028 | ng    | # 78     |
| 26) Anthracene                | 17.310 | 178  | 2091     | 0.023 | ng    | # 91     |
| 28) Fluoranthene              | 19.248 | 202  | 3539     | 0.030 | ng    | 96       |
| 30) Pyrene                    | 19.610 | 202  | 3213     | 0.037 | ng    | # 84     |
| 34) Bis(2-ethylhexyl)phtha... | 21.295 | 149  | 4657     | 0.130 | ng    | # 99     |
| -----                         |        |      |          |       |       |          |

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

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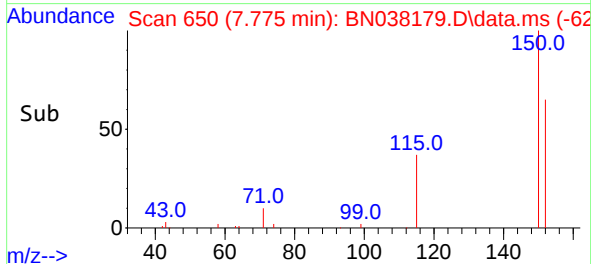
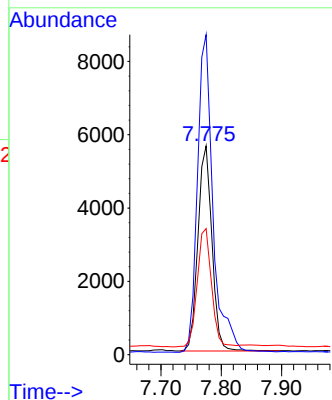
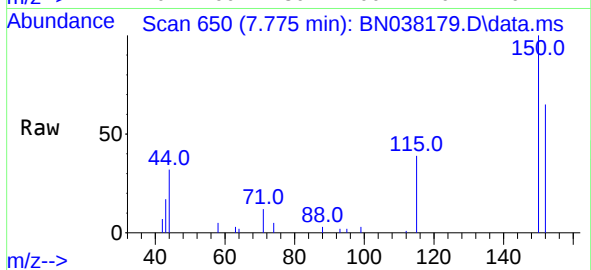




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.775 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

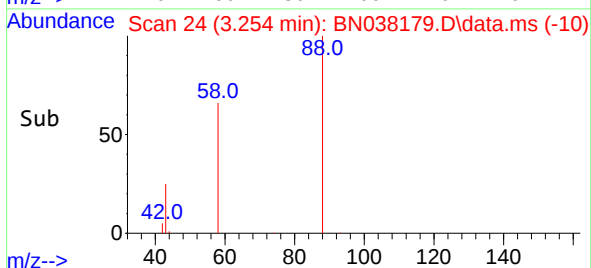
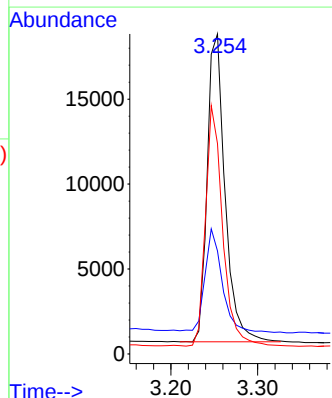
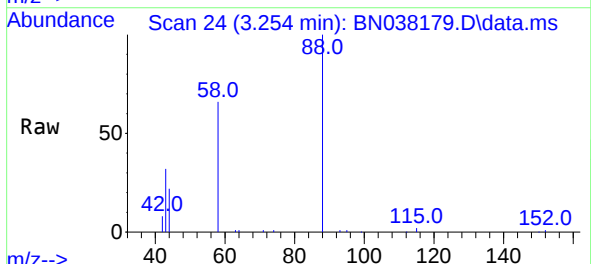
Instrument :  
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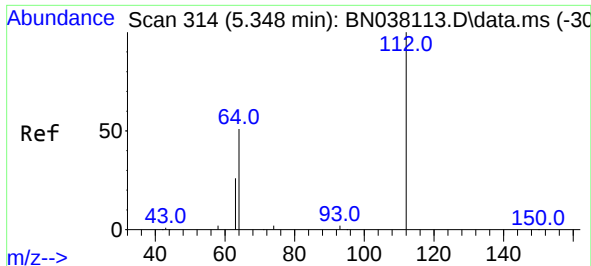
Tgt Ion:152 Resp: 9073  
Ion Ratio Lower Upper  
152 100  
150 153.3 122.3 183.5  
115 60.4 47.4 71.0



#2  
1,4-Dioxane  
Concen: 2.756 ng  
RT: 3.254 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion: 88 Resp: 25832  
Ion Ratio Lower Upper  
88 100  
43 32.6 24.3 36.5  
58 75.3 60.4 90.6

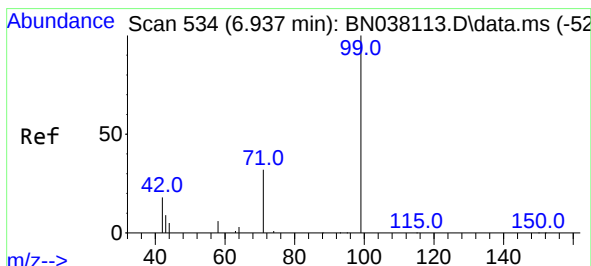
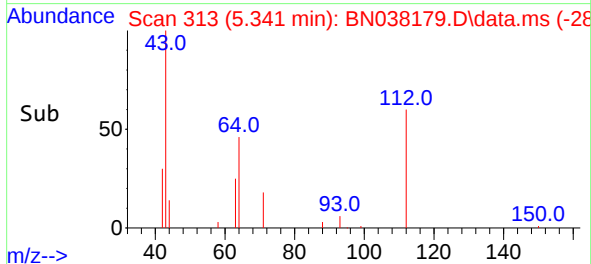
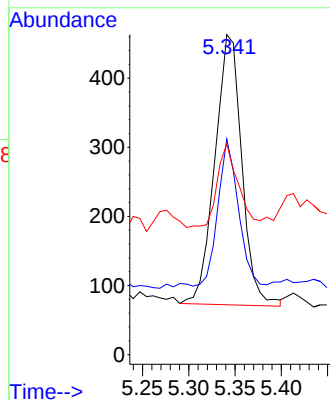
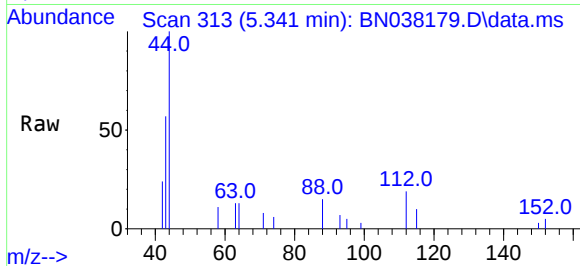




#4  
2-Fluorophenol  
Concen: 0.037 ng  
RT: 5.341 min Scan# 314  
Delta R.T. -0.007 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

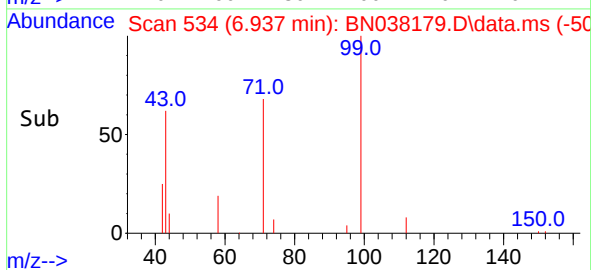
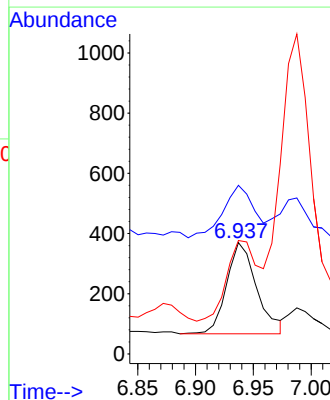
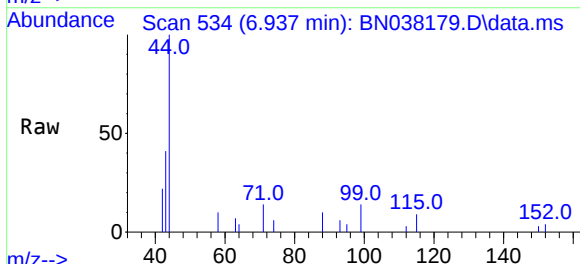
Instrument :  
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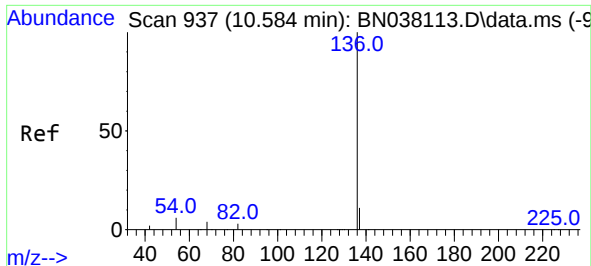
Tgt Ion: 112 Resp: 793  
Ion Ratio Lower Upper  
112 100  
64 43.3 45.4 68.0#  
63 24.7 23.2 34.8



#5  
Phenol-d6  
Concen: 0.021 ng  
RT: 6.937 min Scan# 534  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion: 99 Resp: 548  
Ion Ratio Lower Upper  
99 100  
42 60.4 16.6 24.8#  
71 94.7 25.4 38.2#

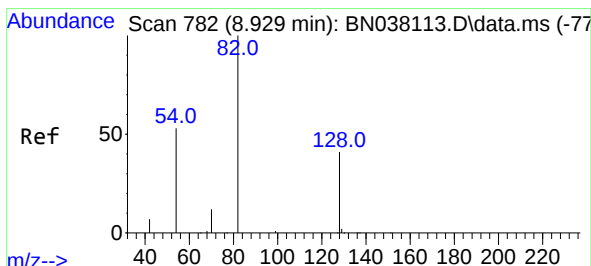
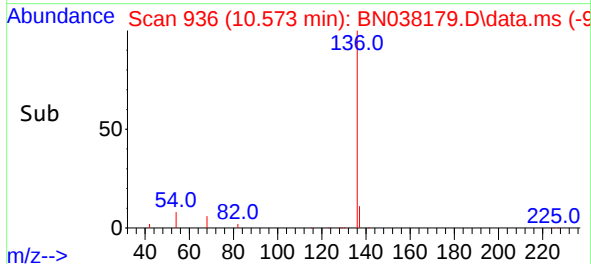
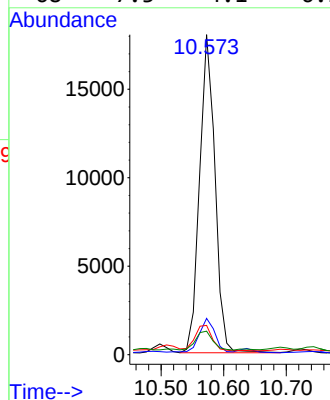
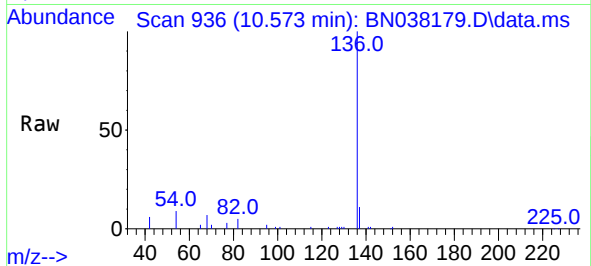




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.573 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

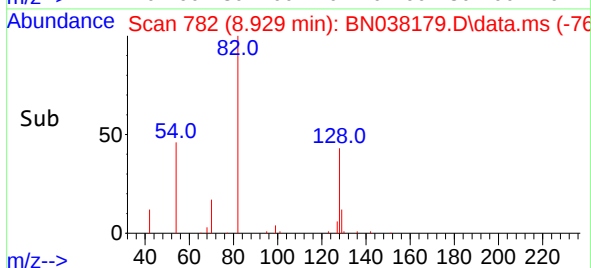
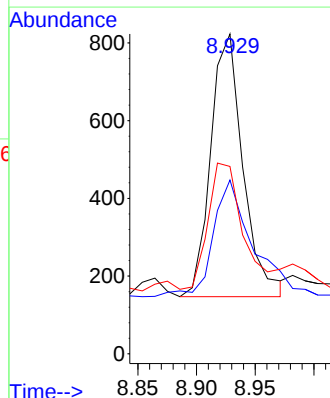
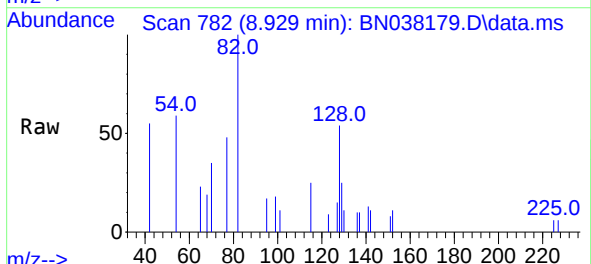
Instrument :  
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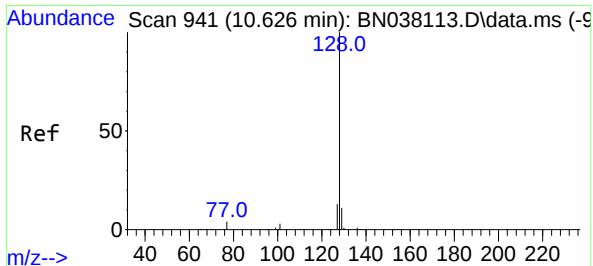
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 30875 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.0   | 13.4  |
| 54       | 9.2   | 5.2   | 7.8#  |
| 68       | 7.3   | 4.1   | 6.1#  |



#8  
Nitrobenzene-d5  
Concen: 0.052 ng  
RT: 8.929 min Scan# 782  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1297  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 54.3  | 34.1  | 51.1# |
| 54       | 58.6  | 43.5  | 65.3  |

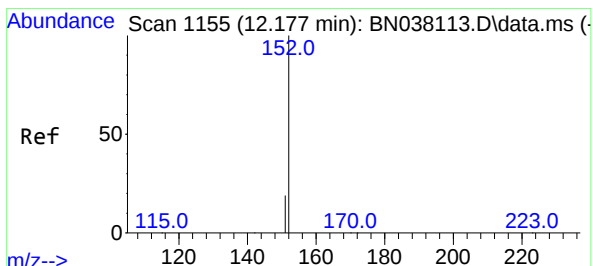
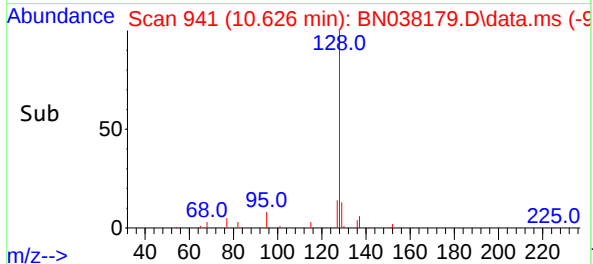
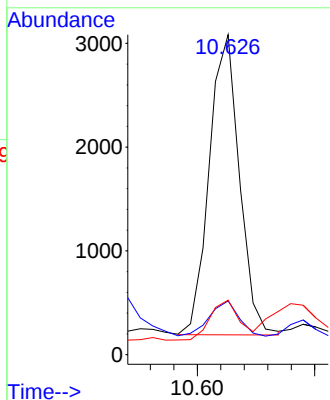
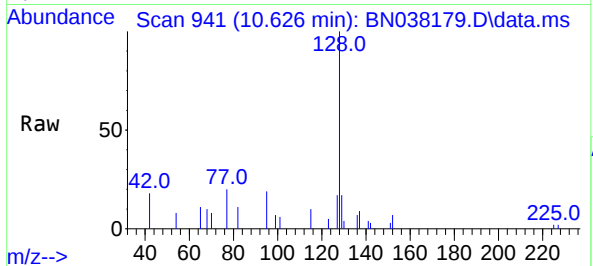




#9  
Naphthalene  
Concen: 0.061 ng  
RT: 10.626 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

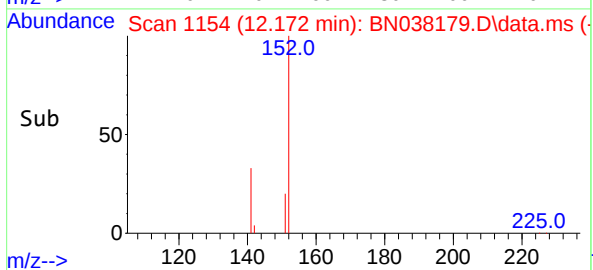
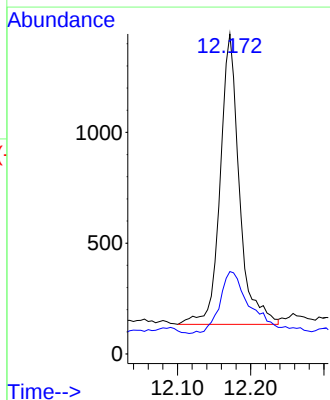
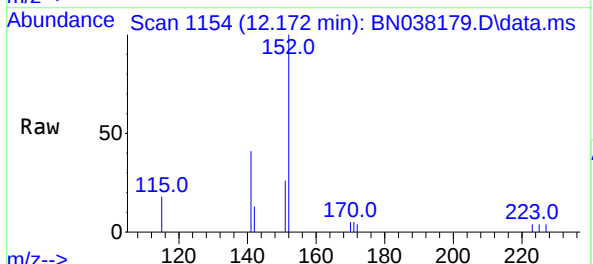
Instrument :  
BNA\_N  
ClientSampleId :  
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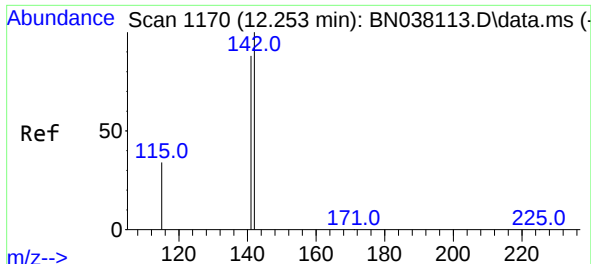
Tgt Ion:128 Resp: 5169  
Ion Ratio Lower Upper  
128 100  
129 16.8 9.1 13.7#  
127 17.1 10.5 15.7#



#11  
2-Methylnaphthalene-d10  
Concen: 0.054 ng  
RT: 12.172 min Scan# 1154  
Delta R.T. -0.005 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:152 Resp: 2386  
Ion Ratio Lower Upper  
152 100  
151 35.4 16.8 25.2#

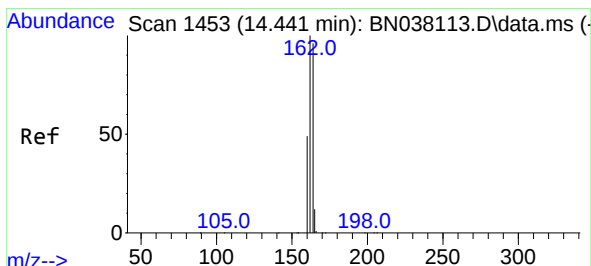
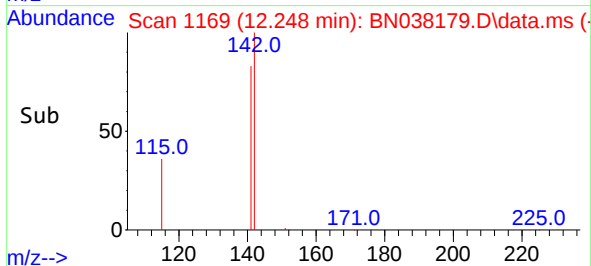
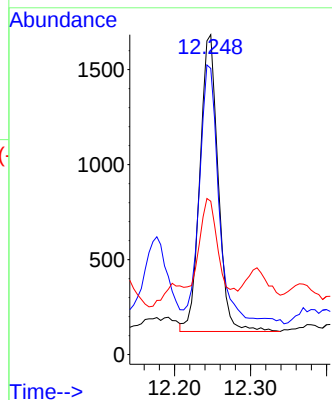
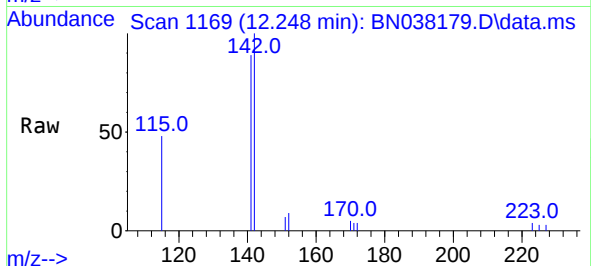




#12  
2-Methylnaphthalene  
Concen: 0.046 ng  
RT: 12.248 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

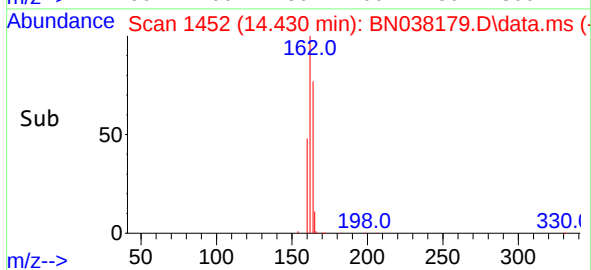
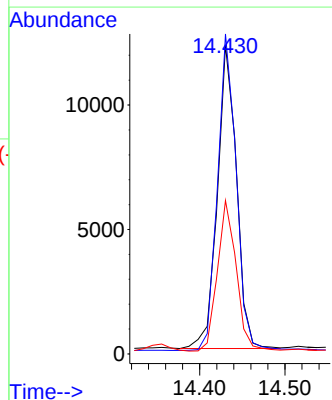
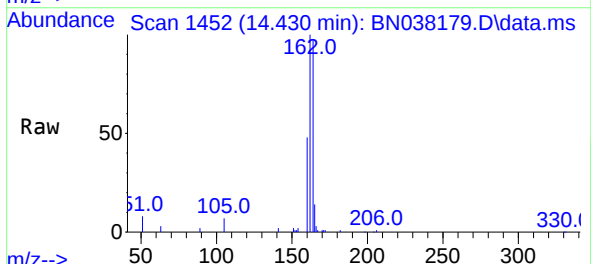
Instrument :  
BNA\_N  
ClientSampleId :  
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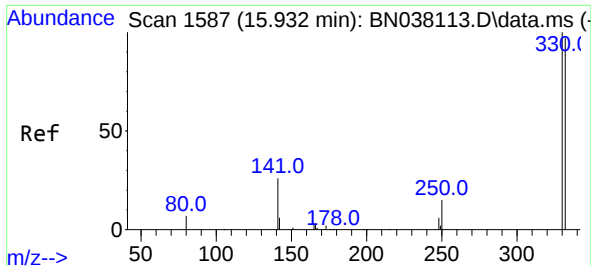
Tgt Ion:142 Resp: 2609  
Ion Ratio Lower Upper  
142 100  
141 89.4 70.3 105.5  
115 47.9 27.8 41.6#



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.430 min Scan# 1452  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:164 Resp: 19011  
Ion Ratio Lower Upper  
164 100  
162 103.6 83.0 124.4  
160 49.6 40.7 61.1

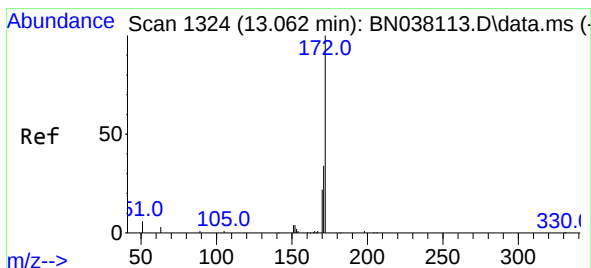
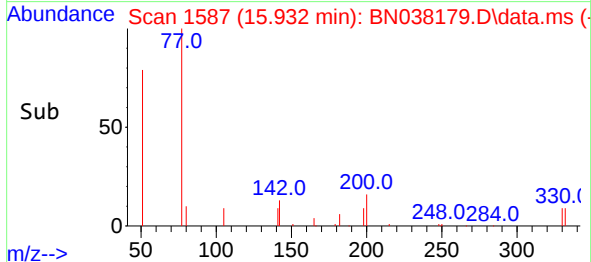
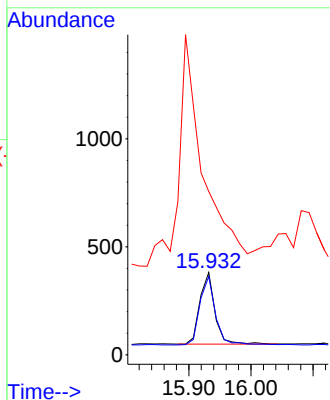
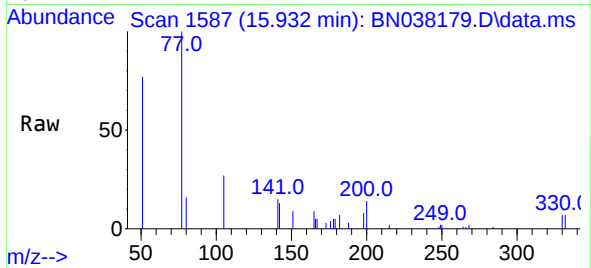




#14  
2,4,6-Tribromophenol  
Concen: 0.071 ng  
RT: 15.932 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

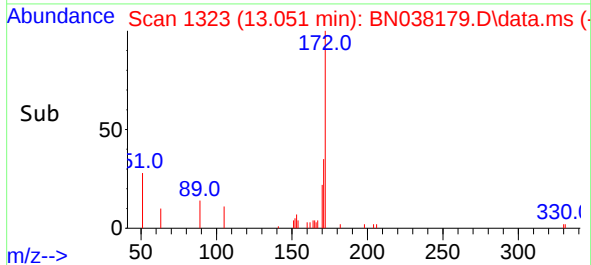
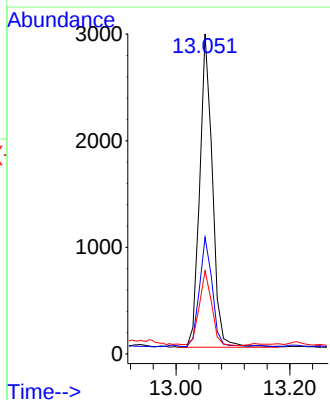
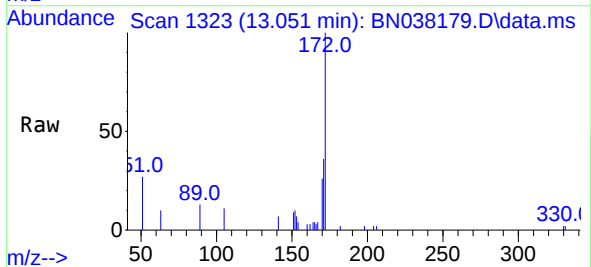
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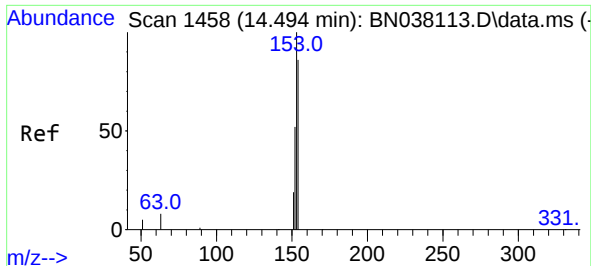
Tgt Ion:330 Resp: 560  
Ion Ratio Lower Upper  
330 100  
332 98.6 76.6 114.8  
141 0.0 34.1 51.1#



#15  
2-Fluorobiphenyl  
Concen: 0.058 ng  
RT: 13.051 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:172 Resp: 4415  
Ion Ratio Lower Upper  
172 100  
171 36.4 27.8 41.6  
170 26.0 18.1 27.1

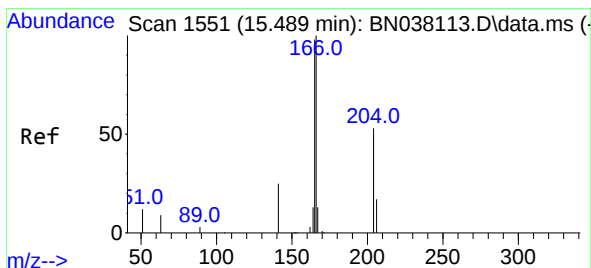
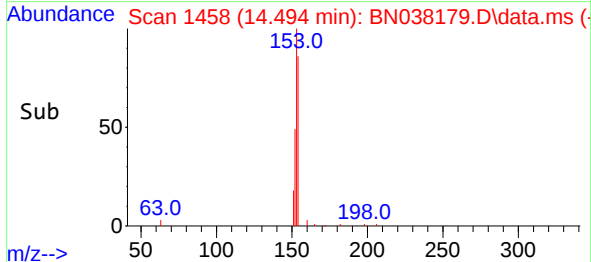
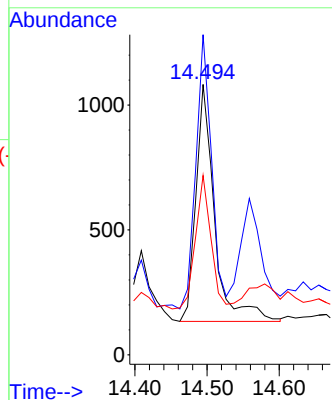
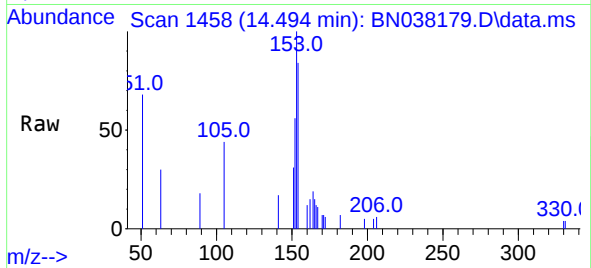




#17  
Acenaphthene  
Concen: 0.028 ng  
RT: 14.494 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

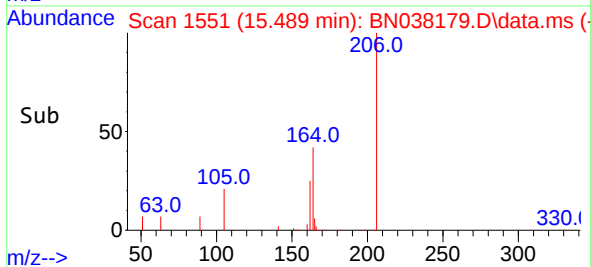
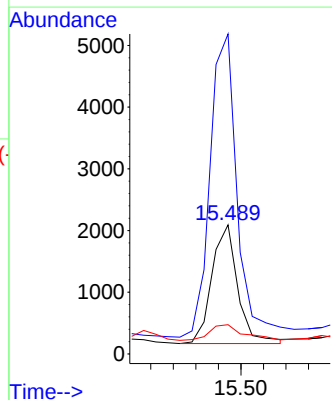
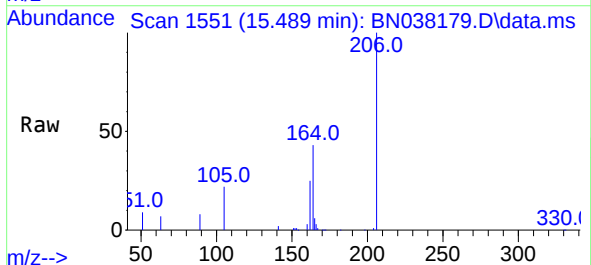
Instrument :  
BNA\_N  
ClientSampleId :  
MW-9DL

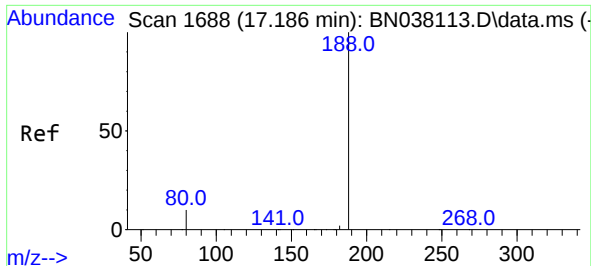
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Ion Ratio Lower Upper  
154 100  
153 93.5 90.0 135.0  
152 46.5 47.3 70.9#



#18  
Fluorene  
Concen: 0.040 ng  
RT: 15.489 min Scan# 1551  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:166 Resp: 3169  
Ion Ratio Lower Upper  
166 100  
165 269.1 79.0 118.4#  
167 17.3 10.7 16.1#

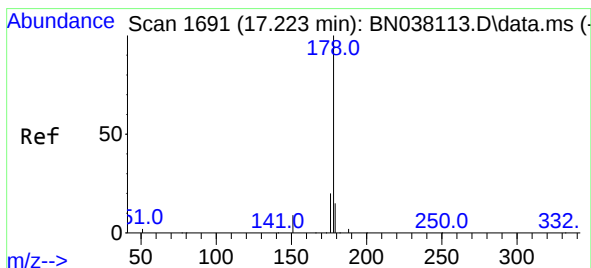
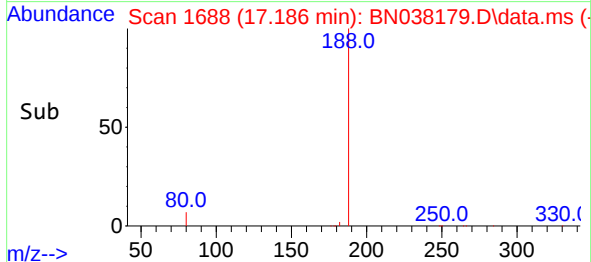
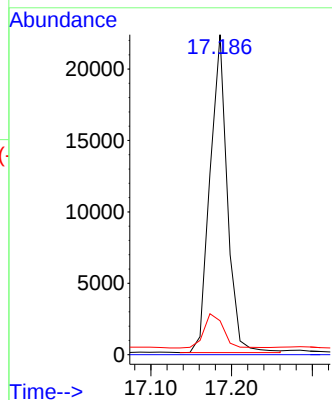
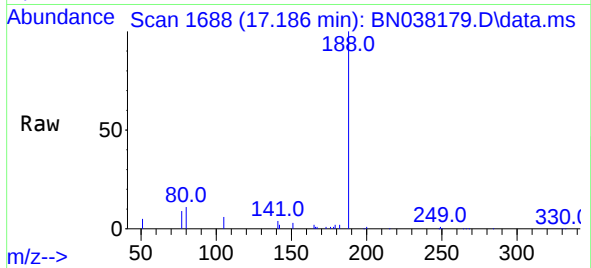




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.186 min Scan# 1688  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

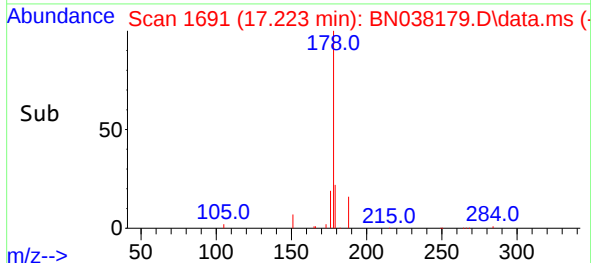
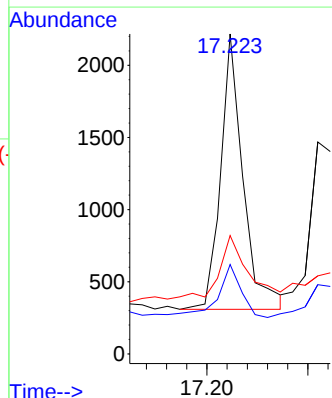
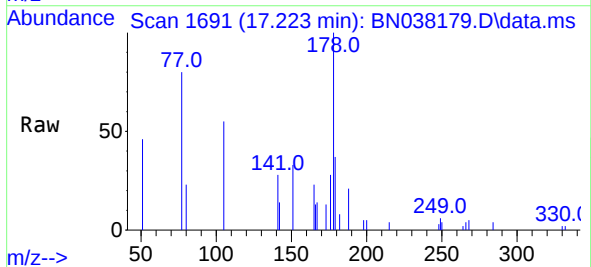
Instrument :  
BNA\_N  
ClientSampleId :  
MW-9DL

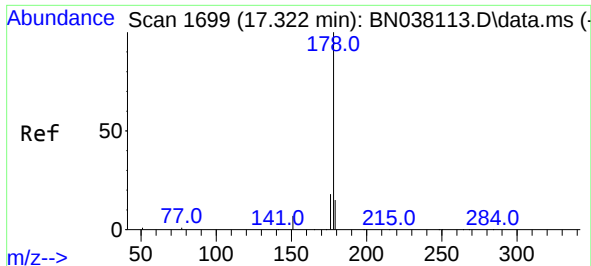
Tgt Ion:188 Resp: 33058  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 10.6 8.6 13.0



#25  
Phenanthrene  
Concen: 0.028 ng  
RT: 17.223 min Scan# 1691  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:178 Resp: 2937  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.5 23.3  
179 35.5 12.2 18.4#

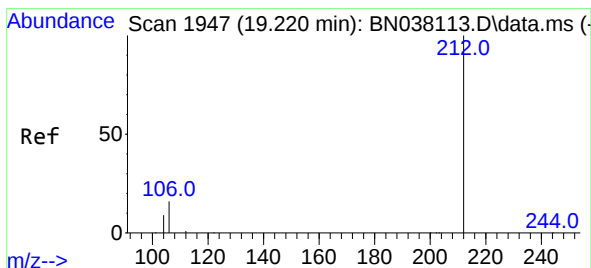
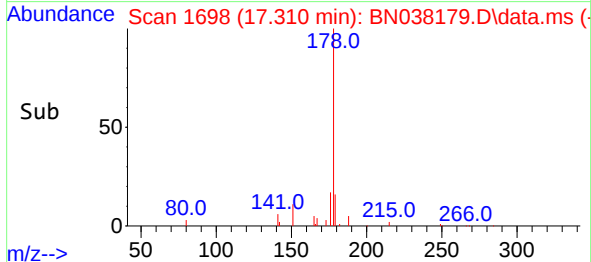
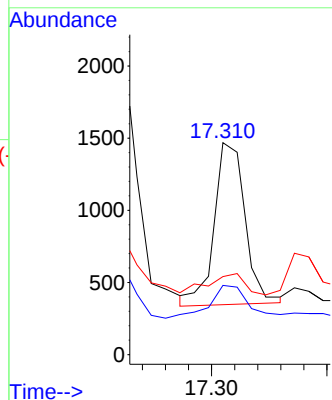
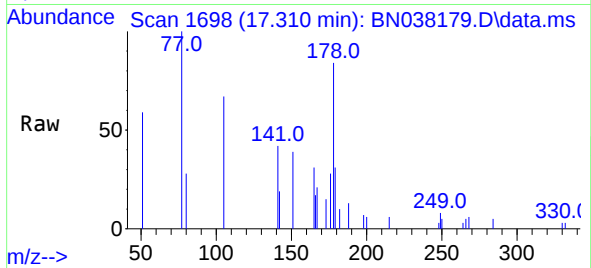




#26  
 Anthracene  
 Concen: 0.023 ng  
 RT: 17.310 min Scan# 1698  
 Delta R.T. -0.013 min  
 Lab File: BN038179.D  
 Acq: 10 Nov 2025 13:16

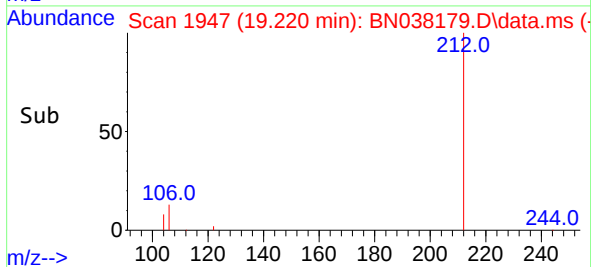
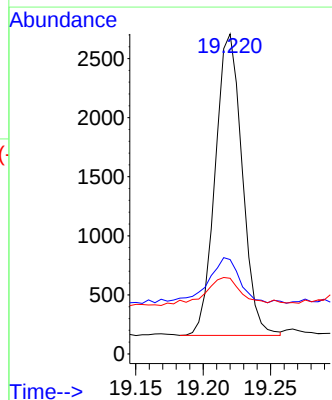
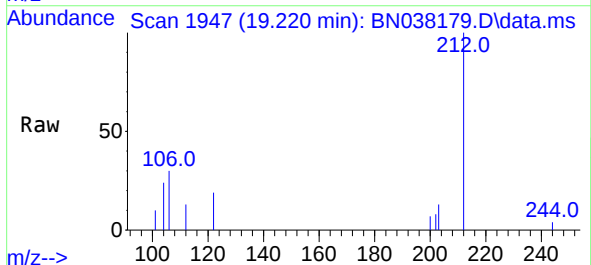
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-9DL

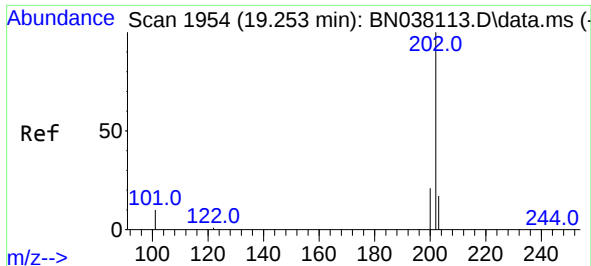
Tgt Ion:178 Resp: 2091  
 Ion Ratio Lower Upper  
 178 100  
 176 25.4 14.9 22.3#  
 179 15.4 11.8 17.8



#27  
 Fluoranthene-d10  
 Concen: 0.043 ng  
 RT: 19.220 min Scan# 1947  
 Delta R.T. -0.000 min  
 Lab File: BN038179.D  
 Acq: 10 Nov 2025 13:16

Tgt Ion:212 Resp: 3544  
 Ion Ratio Lower Upper  
 212 100  
 106 18.6 12.6 19.0  
 104 12.4 7.1 10.7#

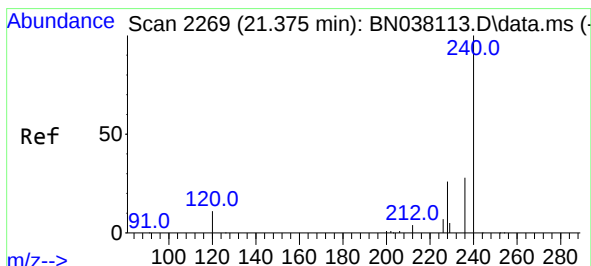
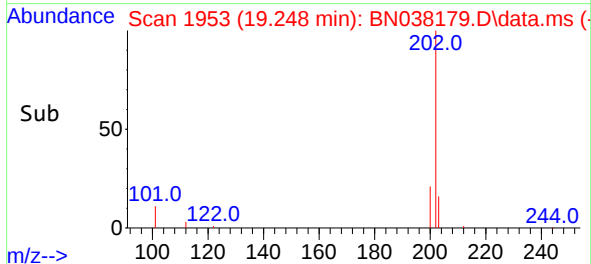
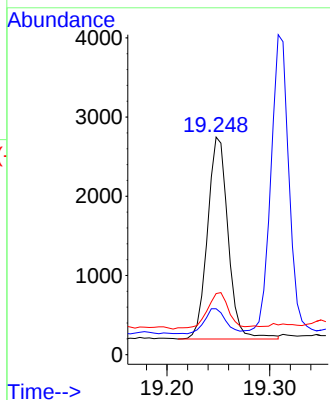
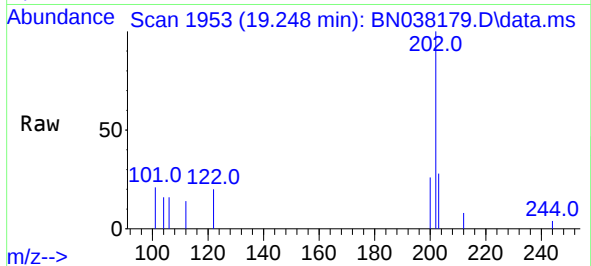




#28  
Fluoranthene  
Concen: 0.030 ng  
RT: 19.248 min Scan# 1954  
Delta R.T. -0.005 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

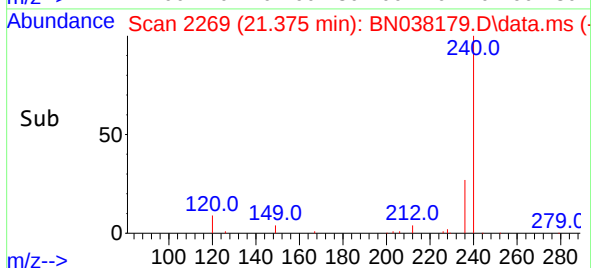
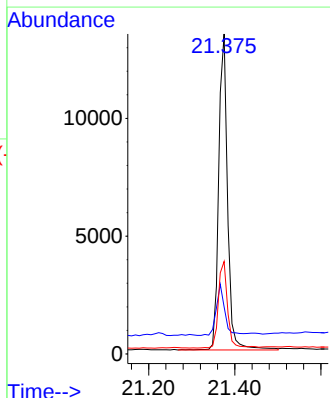
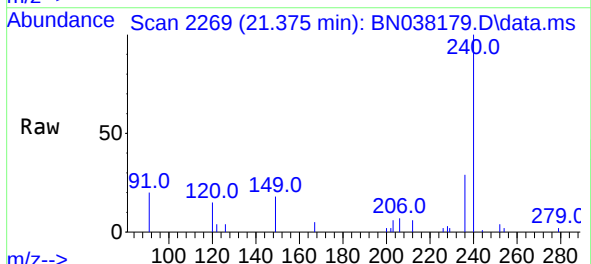
Instrument :  
BNA\_N  
ClientSampleId :  
MW-9DL

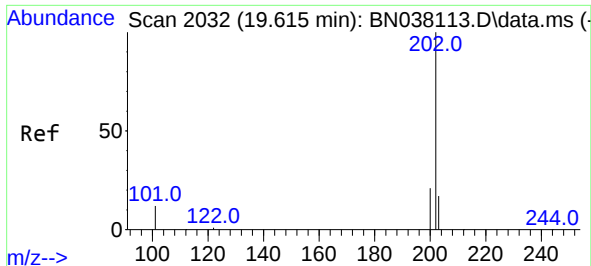
Tgt Ion:202 Resp: 3539  
Ion Ratio Lower Upper  
202 100  
101 12.5 9.4 14.2  
203 19.0 13.4 20.2



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.375 min Scan# 2269  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:240 Resp: 19022  
Ion Ratio Lower Upper  
240 100  
120 14.7 10.7 16.1  
236 28.9 23.1 34.7

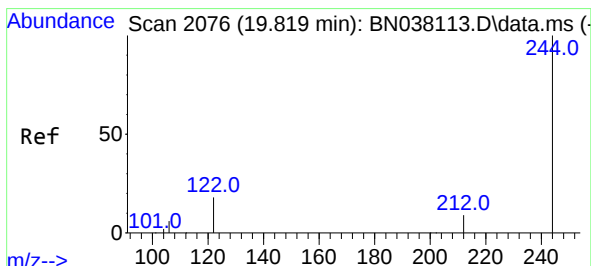
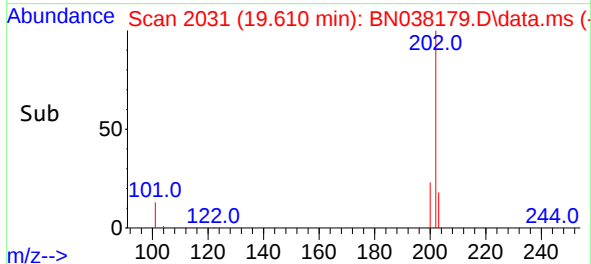
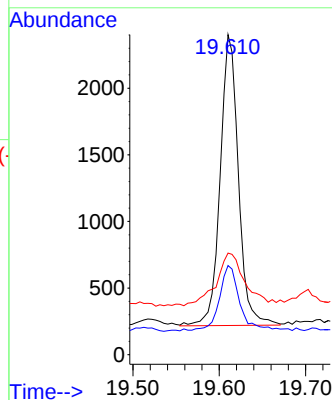
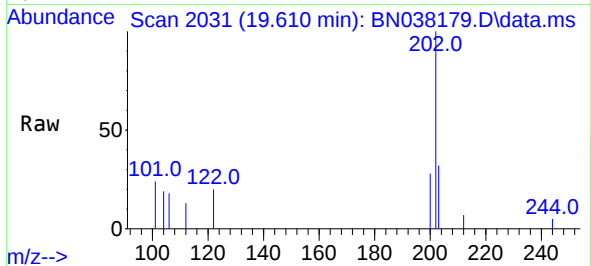




#30  
Pyrene  
Concen: 0.037 ng  
RT: 19.610 min Scan# 2032  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

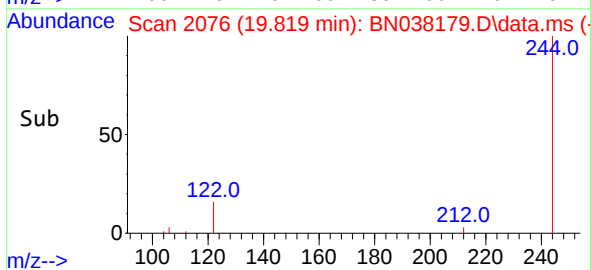
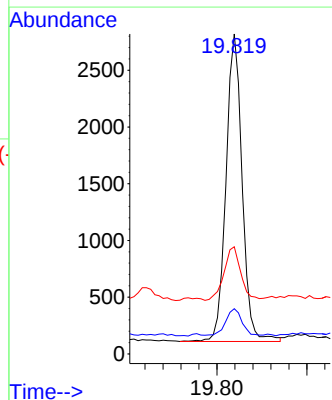
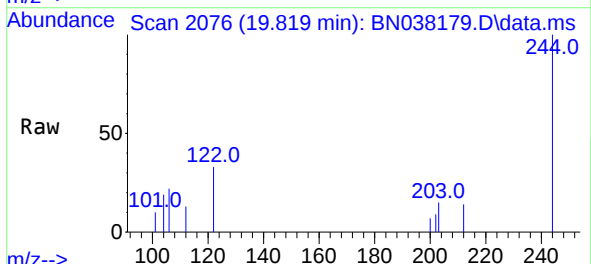
Instrument :  
BNA\_N  
ClientSampleId :  
MW-9DL

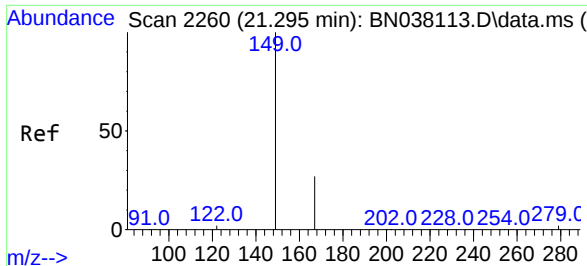
Tgt Ion:202 Resp: 3213  
Ion Ratio Lower Upper  
202 100  
200 24.9 16.7 25.1  
203 28.9 14.2 21.2#



#31  
Terphenyl-d14  
Concen: 0.081 ng  
RT: 19.819 min Scan# 2076  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:244 Resp: 3364  
Ion Ratio Lower Upper  
244 100  
212 14.1 7.8 11.6#  
122 33.5 15.2 22.8#

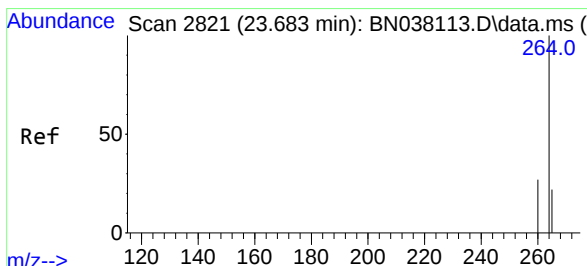
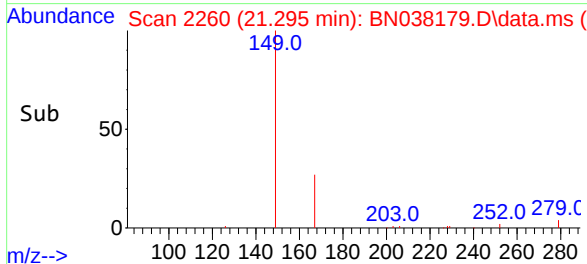
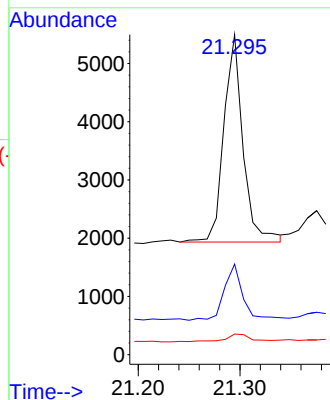
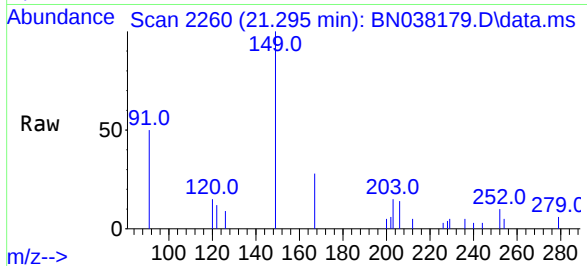




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.130 ng  
RT: 21.295 min Scan# 2126  
Delta R.T. -0.000 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Instrument :  
BNA\_N  
ClientSampleId :  
MW-9DL

Tgt Ion:149 Resp: 4657  
Ion Ratio Lower Upper  
149 100  
167 26.8 21.1 31.7  
279 4.7 2.9 4.3#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.683 min Scan# 2821  
Delta R.T. 0.003 min  
Lab File: BN038179.D  
Acq: 10 Nov 2025 13:16

Tgt Ion:264 Resp: 17692  
Ion Ratio Lower Upper  
264 100  
260 27.1 21.8 32.8  
265 91.9 68.6 102.8

