

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN031425\  
 Data File : BN036628.D  
 Acq On : 15 Mar 2025 04:16  
 Operator : RC/JU  
 Sample : Q1559-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE134D1-20250310

Quant Time: Mar 15 05:18:52 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 16:06:28 2025  
 Response via : Initial Calibration

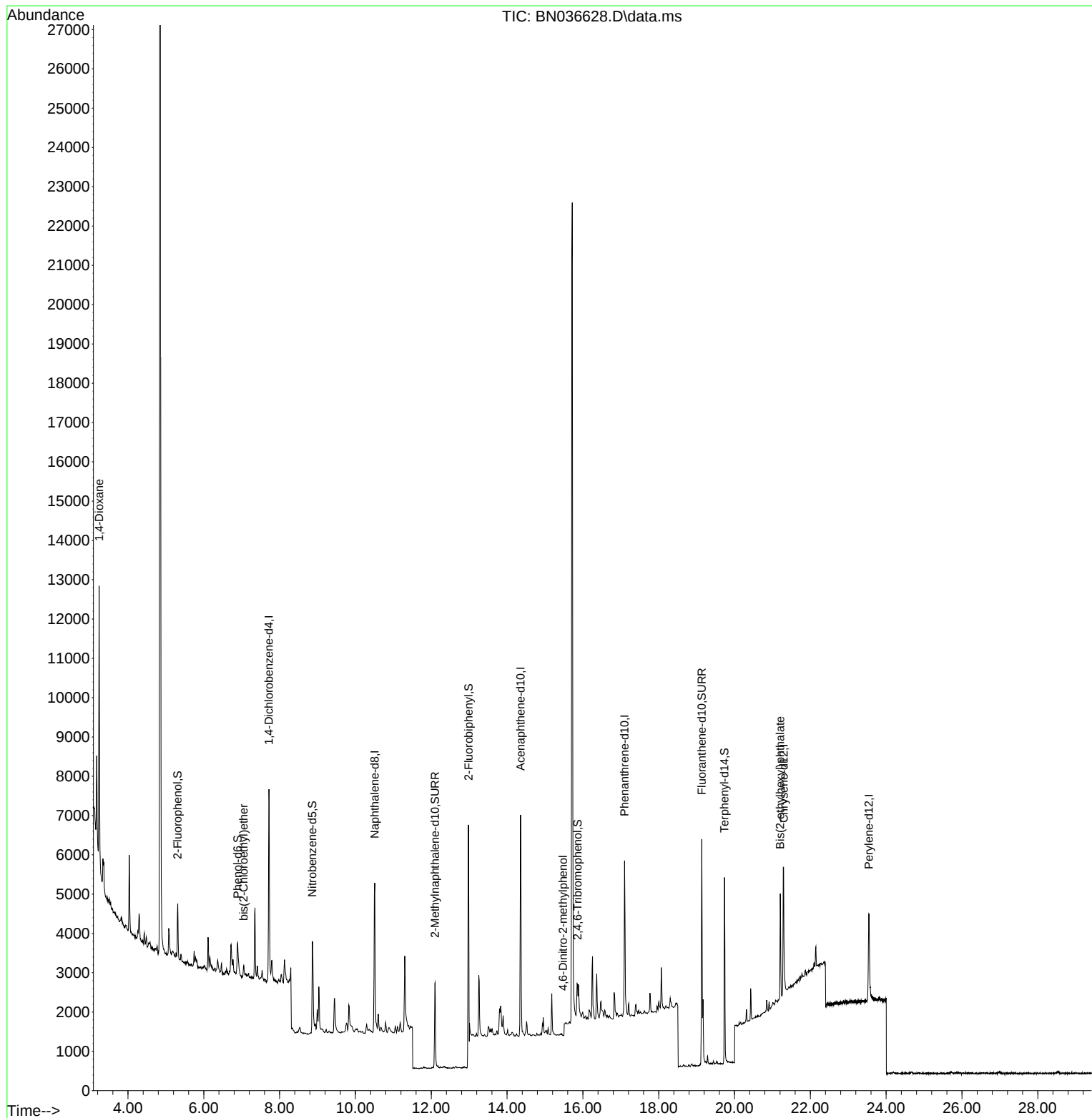
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.717  | 152  | 2327     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.509 | 136  | 5487     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.355 | 164  | 3011     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.099 | 188  | 5574     | 0.400 | ng    | #-0.01   |
| 29) Chrysene-d12              | 21.295 | 240  | 3950     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.543 | 264  | 3552     | 0.400 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.312  | 112  | 948      | 0.175 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.894  | 99   | 630      | 0.094 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.864  | 82   | 2279     | 0.382 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.101 | 152  | 3305     | 0.405 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.858 | 330  | 560      | 0.410 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.983 | 172  | 7988     | 0.456 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.136 | 212  | 6742     | 0.472 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.736 | 244  | 4767     | 0.504 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.239  | 88   | 3410     | 1.321 | ng    | # 89     |
| 6) bis(2-Chloroethyl)ether    | 7.053  | 93   | 473      | 0.068 | ng    | # 25     |
| 20) 4,6-Dinitro-2-methylph... | 15.478 | 198  | 4        | 0.149 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.205 | 149  | 2845     | 0.291 | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

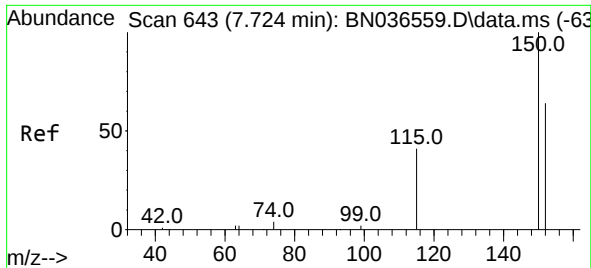
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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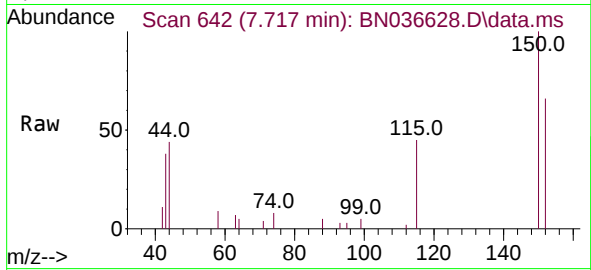
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN031025.M  
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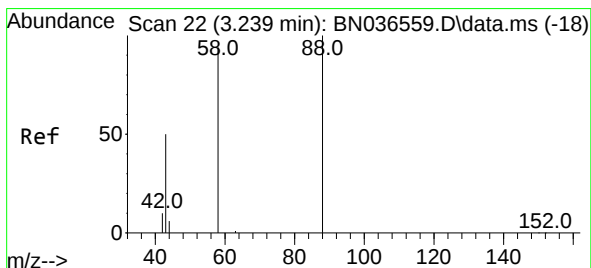
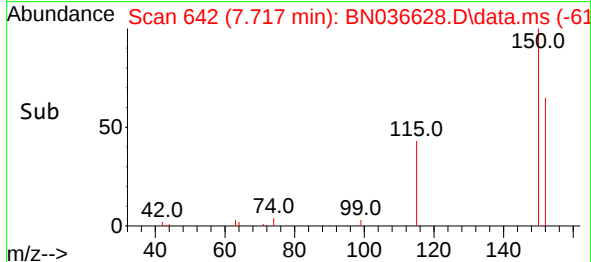
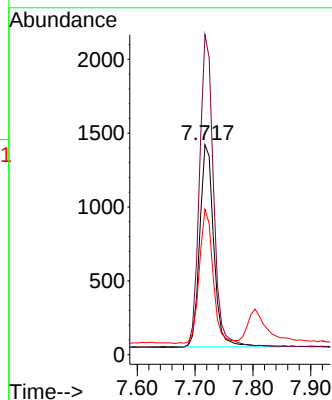
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.717 min Scan# 64  
 Delta R.T. -0.007 min  
 Lab File: BN036628.D  
 Acq: 15 Mar 2025 04:16

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 ClientSampleId :  
 RE134D1-20250310



Tgt Ion:152 Resp: 2327

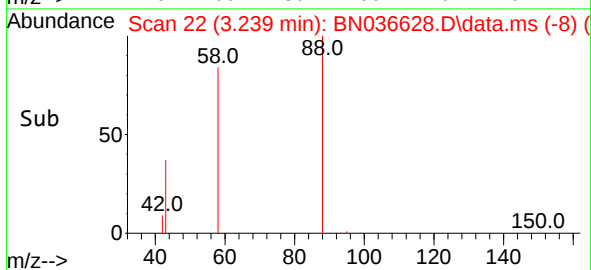
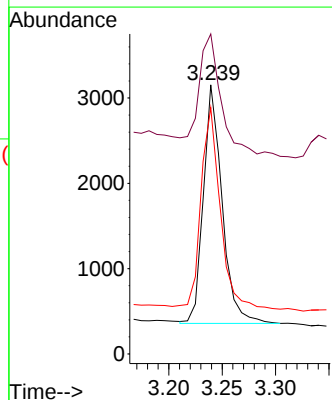
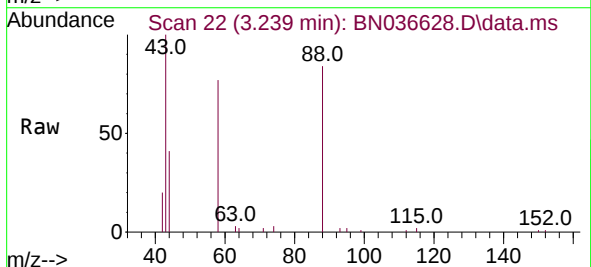
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 152.4 | 123.7 | 185.5 |
| 115 | 69.3  | 54.3  | 81.5  |

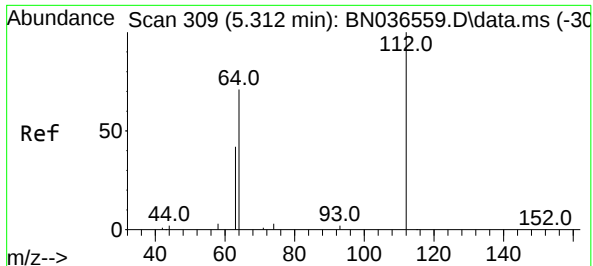


#2  
 1,4-Dioxane  
 Concen: 1.321 ng  
 RT: 3.239 min Scan# 22  
 Delta R.T. 0.000 min  
 Lab File: BN036628.D  
 Acq: 15 Mar 2025 04:16

Tgt Ion: 88 Resp: 3410

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 63.6  | 37.8  | 56.8  |
| 58  | 87.4  | 67.4  | 101.2 |

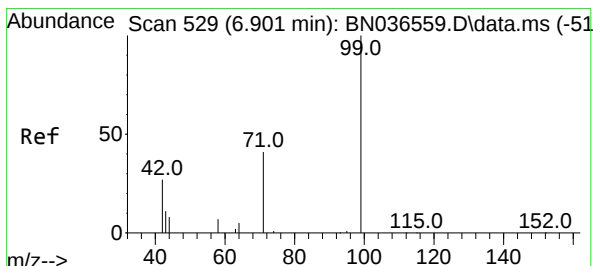
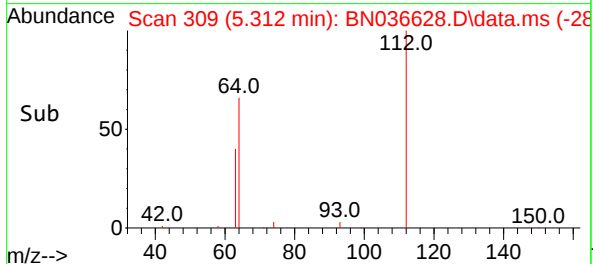
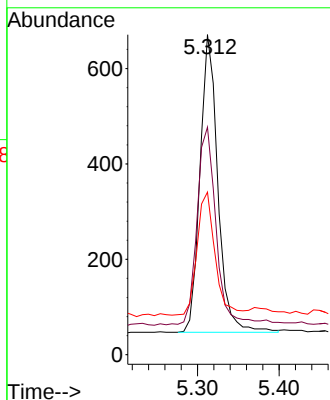
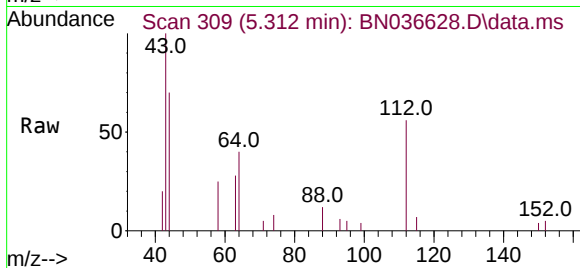




#4  
2-Fluorophenol  
Concen: 0.175 ng  
RT: 5.312 min Scan# 309  
Delta R.T. 0.000 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

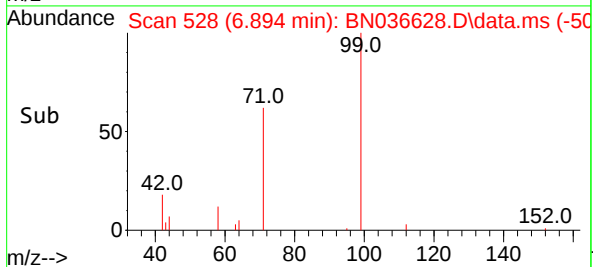
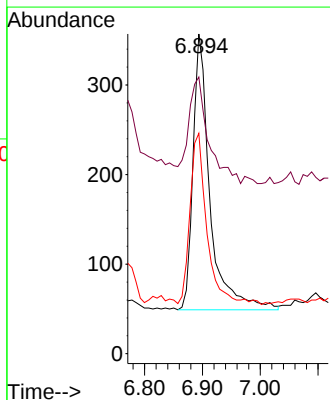
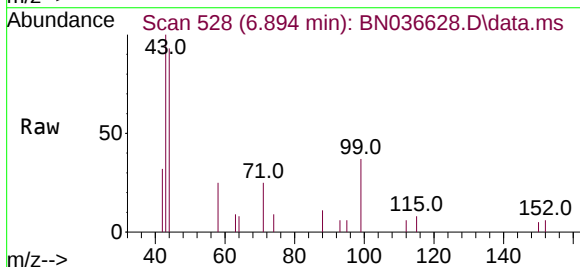
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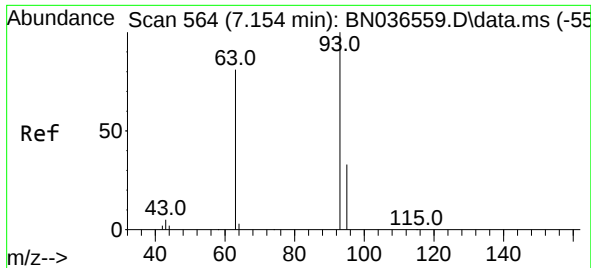
Tgt Ion:112 Resp: 948  
Ion Ratio Lower Upper  
112 100  
64 72.4 53.1 79.7  
63 41.6 31.8 47.8



#5  
Phenol-d6  
Concen: 0.094 ng  
RT: 6.894 min Scan# 528  
Delta R.T. -0.007 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Tgt Ion: 99 Resp: 630  
Ion Ratio Lower Upper  
99 100  
42 45.4 26.5 39.7#  
71 60.6 34.1 51.1#

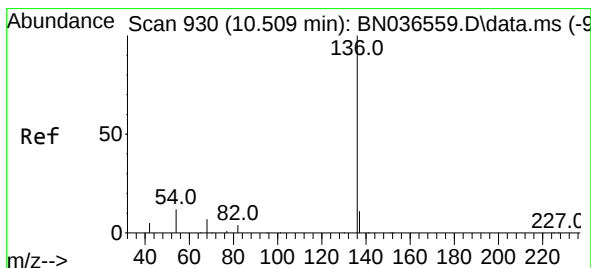
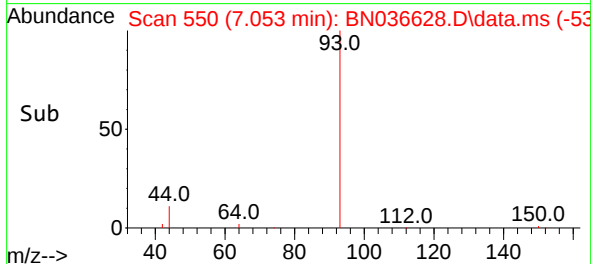
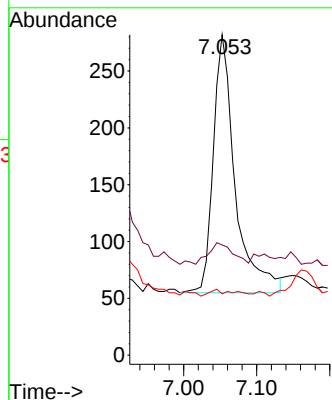
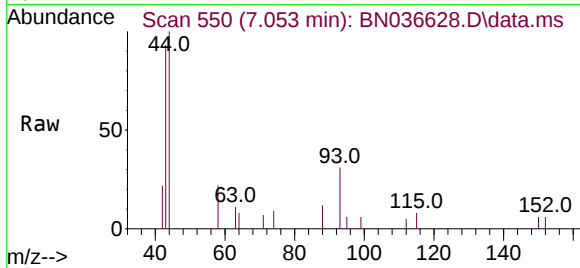




#6  
bis(2-Chloroethyl)ether  
Concen: 0.068 ng  
RT: 7.053 min Scan# 51  
Delta R.T. -0.101 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

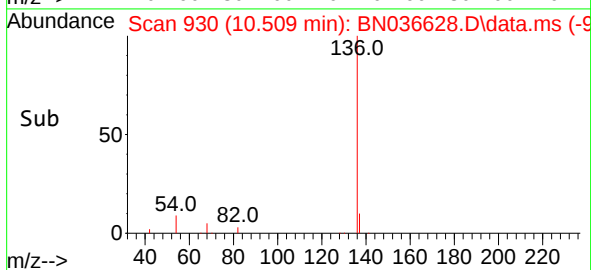
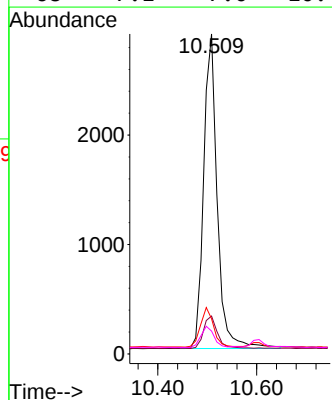
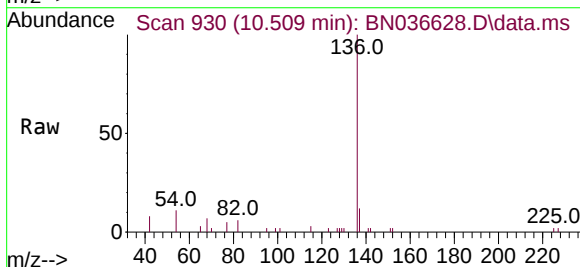
Instrument :  
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ClientSampleId :  
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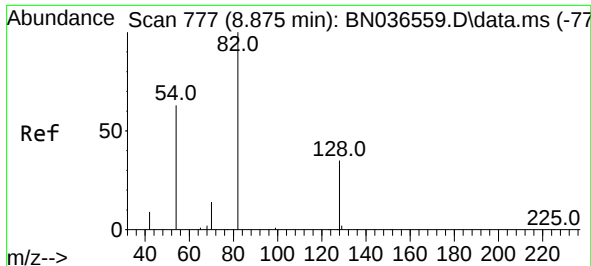
Tgt Ion: 93 Resp: 473  
Ion Ratio Lower Upper  
93 100  
63 8.9 67.7 101.5#  
95 1.9 25.6 38.4#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.509 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Tgt Ion:136 Resp: 5487  
Ion Ratio Lower Upper  
136 100  
137 11.8 10.3 15.5  
54 11.0 11.5 17.3#  
68 7.1 7.0 10.4

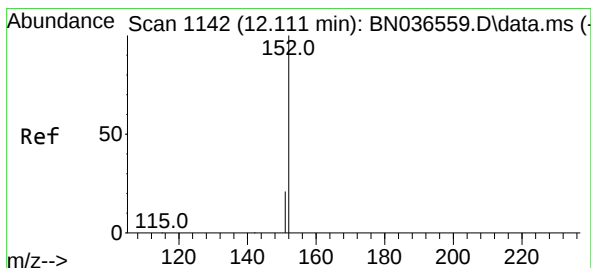
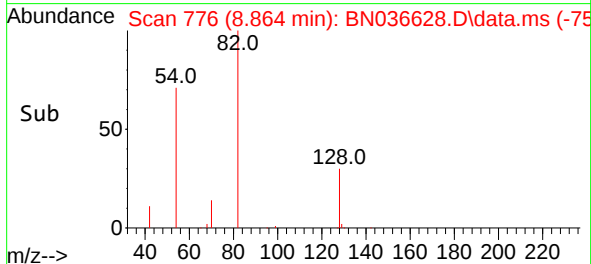
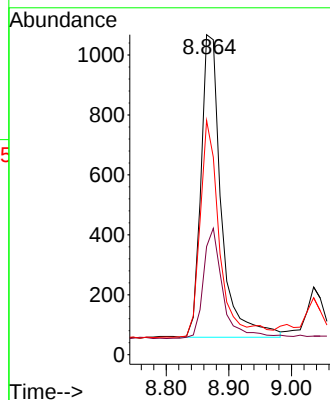
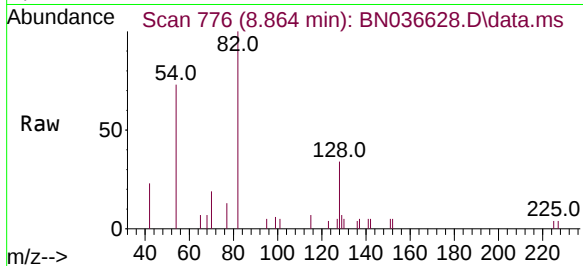




#8  
Nitrobenzene-d5  
Concen: 0.382 ng  
RT: 8.864 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

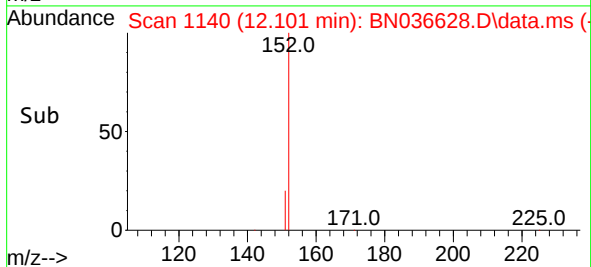
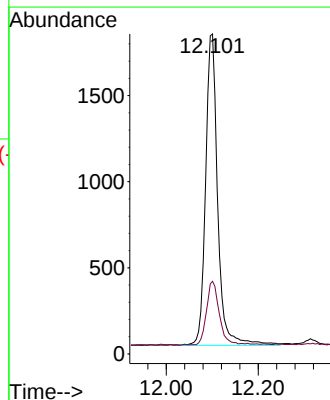
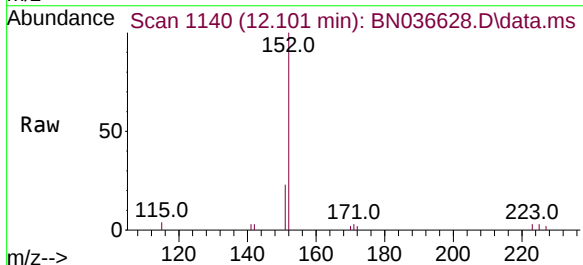
Instrument :  
BNA\_N  
ClientSampleId :  
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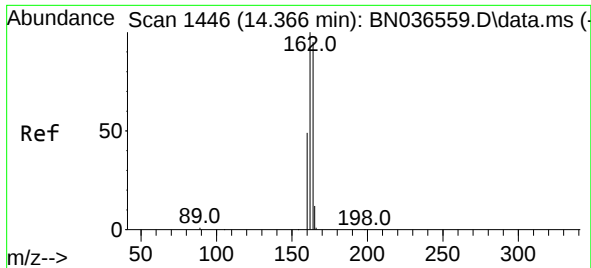
Tgt Ion: 82 Resp: 2279  
Ion Ratio Lower Upper  
82 100  
128 33.8 30.6 45.8  
54 73.2 52.2 78.4



#11  
2-Methylnaphthalene-d10  
Concen: 0.405 ng  
RT: 12.101 min Scan# 1140  
Delta R.T. -0.010 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Tgt Ion: 152 Resp: 3305  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6

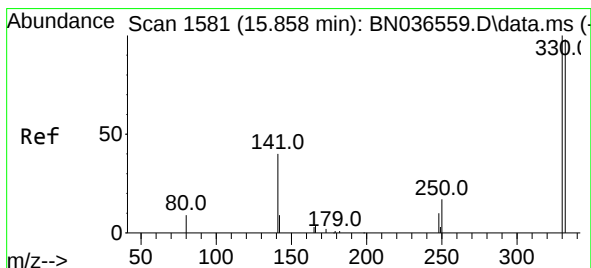
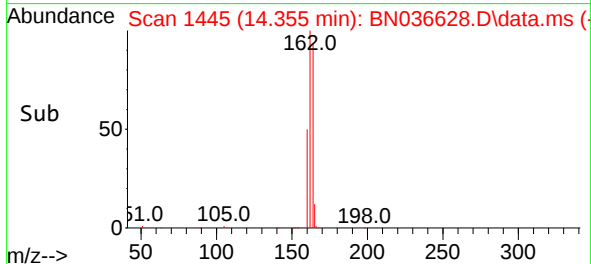
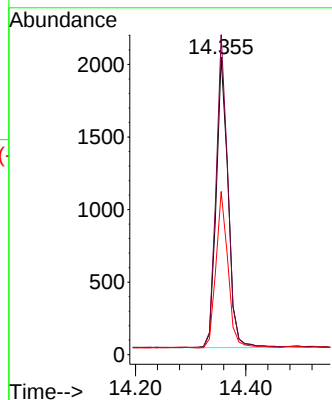
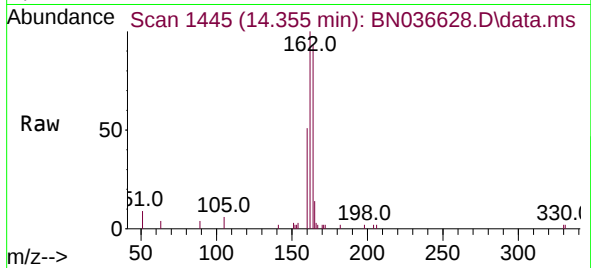




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.355 min Scan# 1446  
Delta R.T. -0.011 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

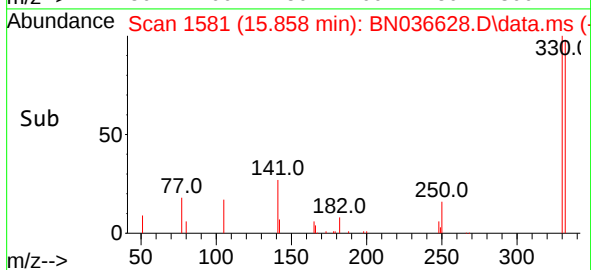
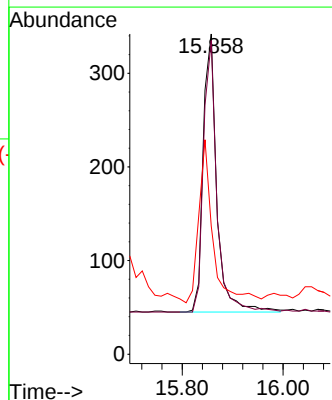
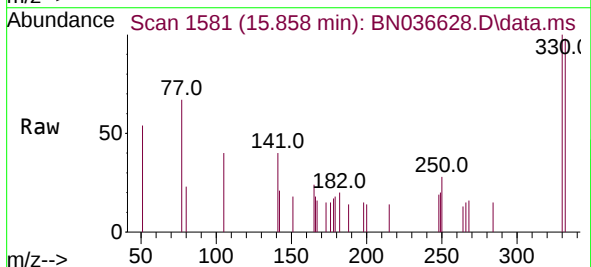
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BNA\_N  
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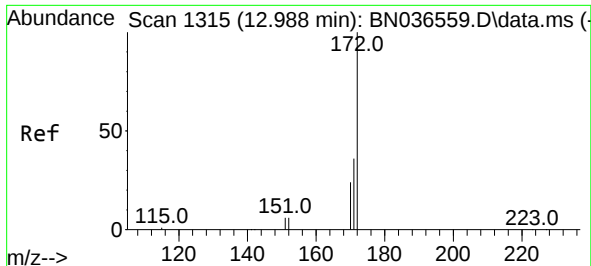
Tgt Ion:164 Resp: 3011  
Ion Ratio Lower Upper  
164 100  
162 107.6 84.2 126.2  
160 54.9 42.2 63.2



#14  
2,4,6-Tribromophenol  
Concen: 0.410 ng  
RT: 15.858 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Tgt Ion:330 Resp: 560  
Ion Ratio Lower Upper  
330 100  
332 95.5 75.2 112.8  
141 60.7 43.4 65.2

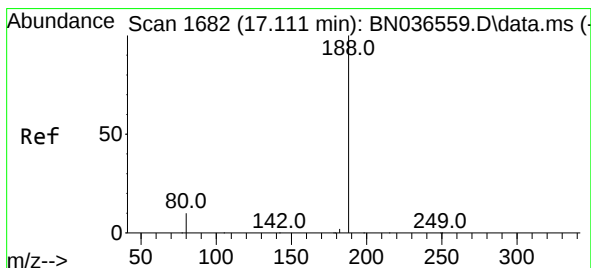
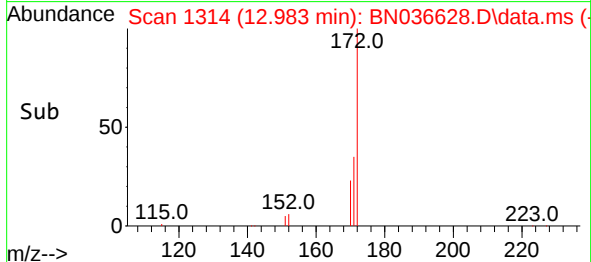
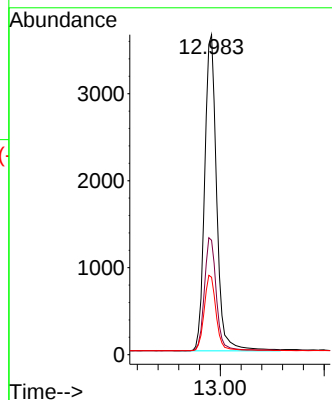
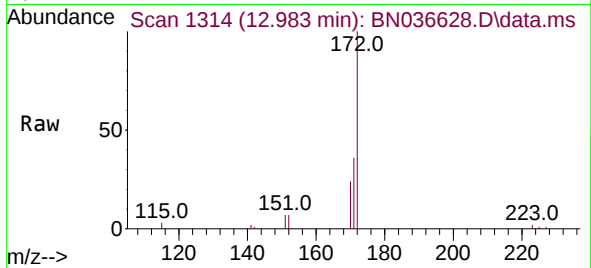




#15  
2-Fluorobiphenyl  
Concen: 0.456 ng  
RT: 12.983 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

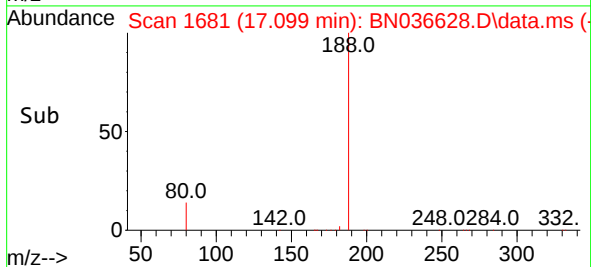
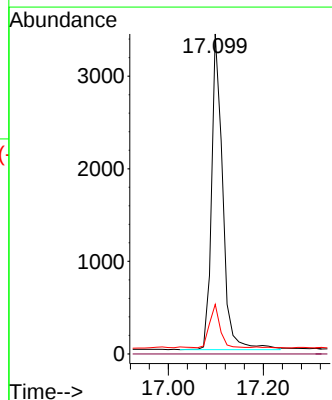
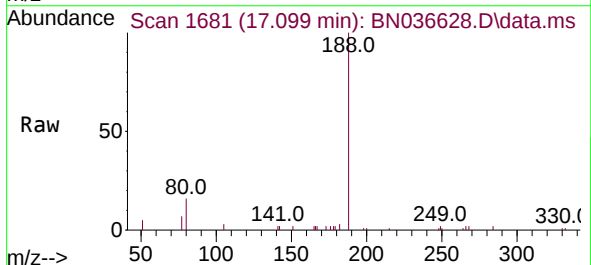
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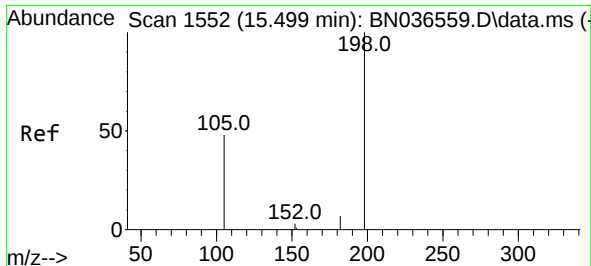
Tgt Ion:172 Resp: 7988  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.5 44.3  
170 24.2 20.2 30.4



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.099 min Scan# 1681  
Delta R.T. -0.012 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Tgt Ion:188 Resp: 5574  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 15.5 8.8 13.2#

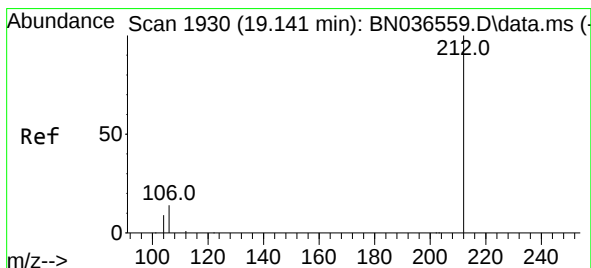
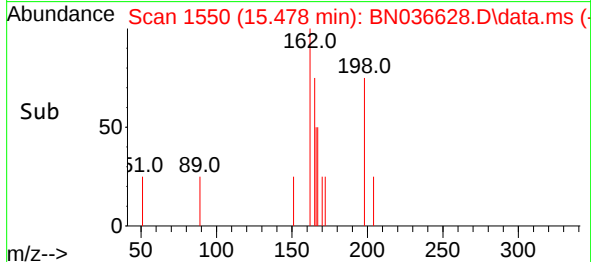
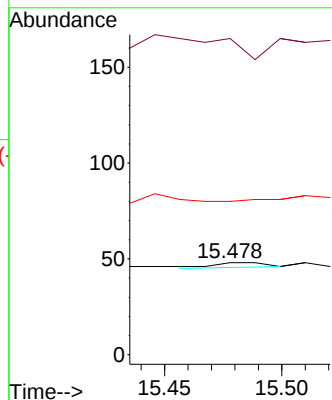
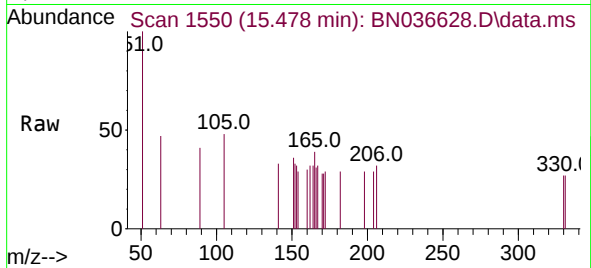




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.149 ng  
RT: 15.478 min Scan# 11  
Delta R.T. -0.021 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

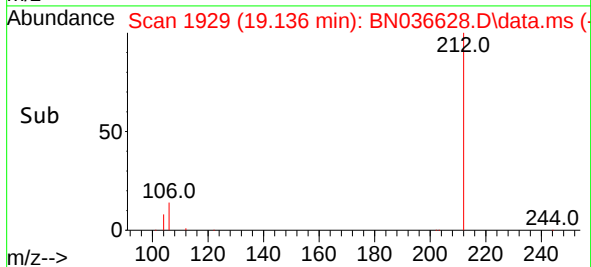
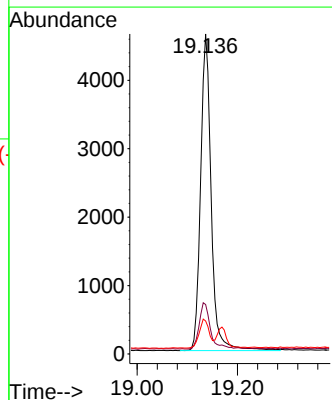
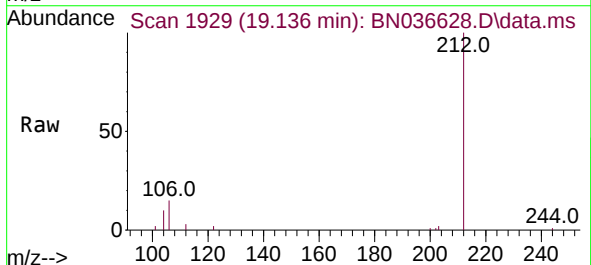
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ClientSampleId :  
RE134D1-20250310

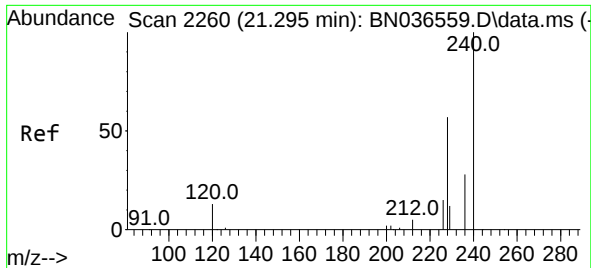
Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
51 343.8 107.9 161.9#  
105 166.7 56.2 84.2#



#27  
Fluoranthene-d10  
Concen: 0.472 ng  
RT: 19.136 min Scan# 1929  
Delta R.T. -0.005 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

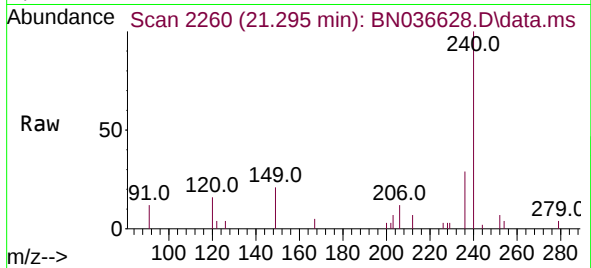
Tgt Ion:212 Resp: 6742  
Ion Ratio Lower Upper  
212 100  
106 15.3 11.8 17.6  
104 8.5 7.3 10.9



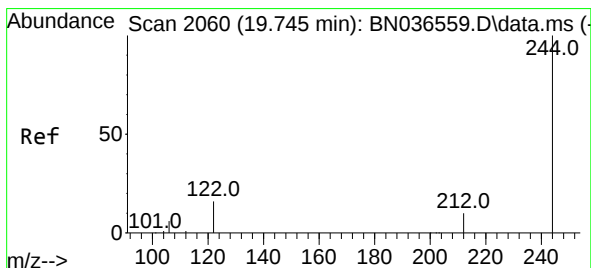
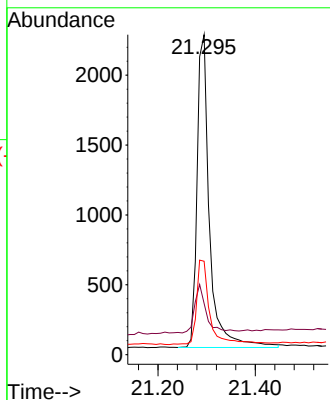
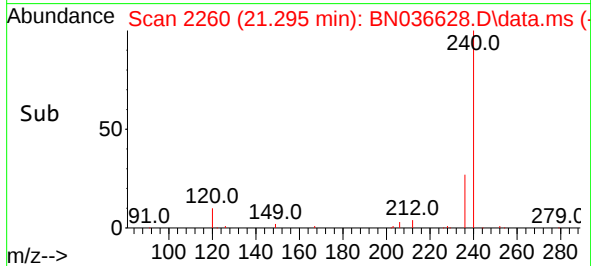


#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.295 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

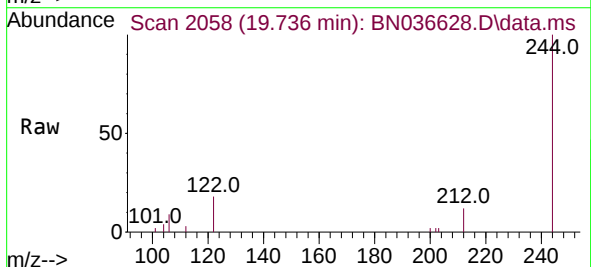
Instrument :  
BNA\_N  
ClientSampleId :  
RE134D1-20250310



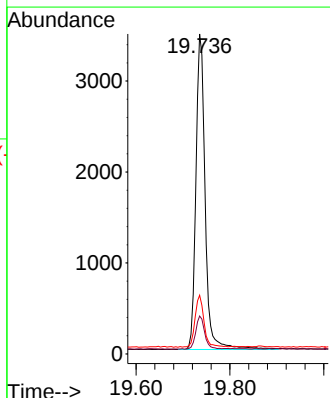
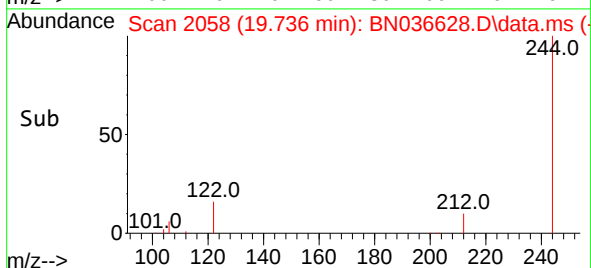
Tgt Ion:240 Resp: 3950  
Ion Ratio Lower Upper  
240 100  
120 16.0 14.6 22.0  
236 29.2 24.1 36.1

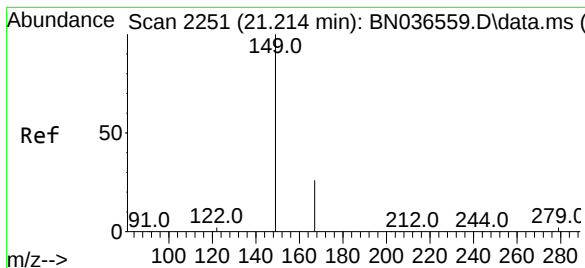


#31  
Terphenyl-d14  
Concen: 0.504 ng  
RT: 19.736 min Scan# 2058  
Delta R.T. -0.009 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16



Tgt Ion:244 Resp: 4767  
Ion Ratio Lower Upper  
244 100  
212 11.8 9.6 14.4  
122 18.4 13.9 20.9

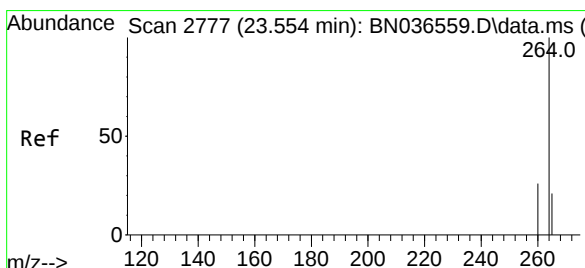
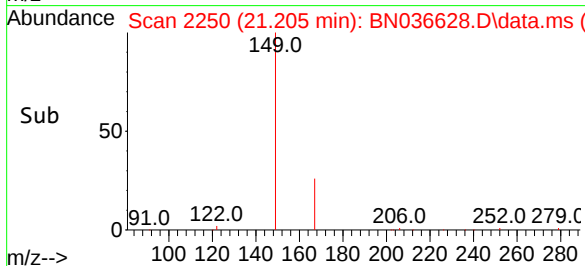
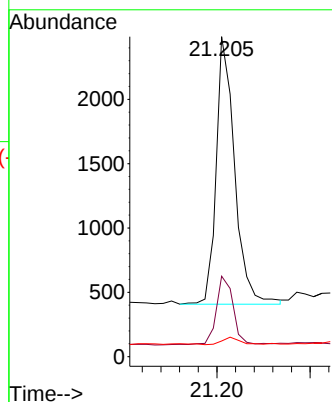
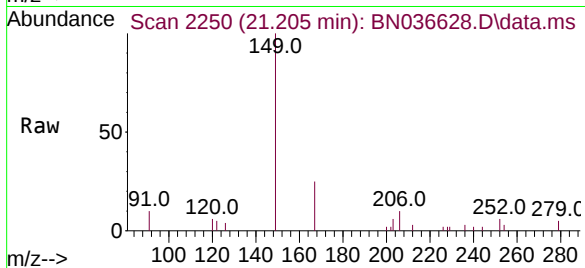




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.291 ng  
RT: 21.205 min Scan# 2125  
Delta R.T. -0.009 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Instrument :  
BNA\_N  
ClientSampleId :  
RE134D1-20250310

Tgt Ion:149 Resp: 2845  
Ion Ratio Lower Upper  
149 100  
167 23.2 20.7 31.1  
279 2.7 3.6 5.4#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.543 min Scan# 2773  
Delta R.T. -0.012 min  
Lab File: BN036628.D  
Acq: 15 Mar 2025 04:16

Tgt Ion:264 Resp: 3552  
Ion Ratio Lower Upper  
264 100  
260 27.1 22.6 33.8  
265 102.5 88.1 132.1

