

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052725\  
 Data File : BN037093.D  
 Acq On : 27 May 2025 18:48  
 Operator : RC/JU  
 Sample : Q2118-02  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-182-GW-420-422

Quant Time: May 28 14:42:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051425.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 14 11:26:32 2025  
 Response via : Initial Calibration

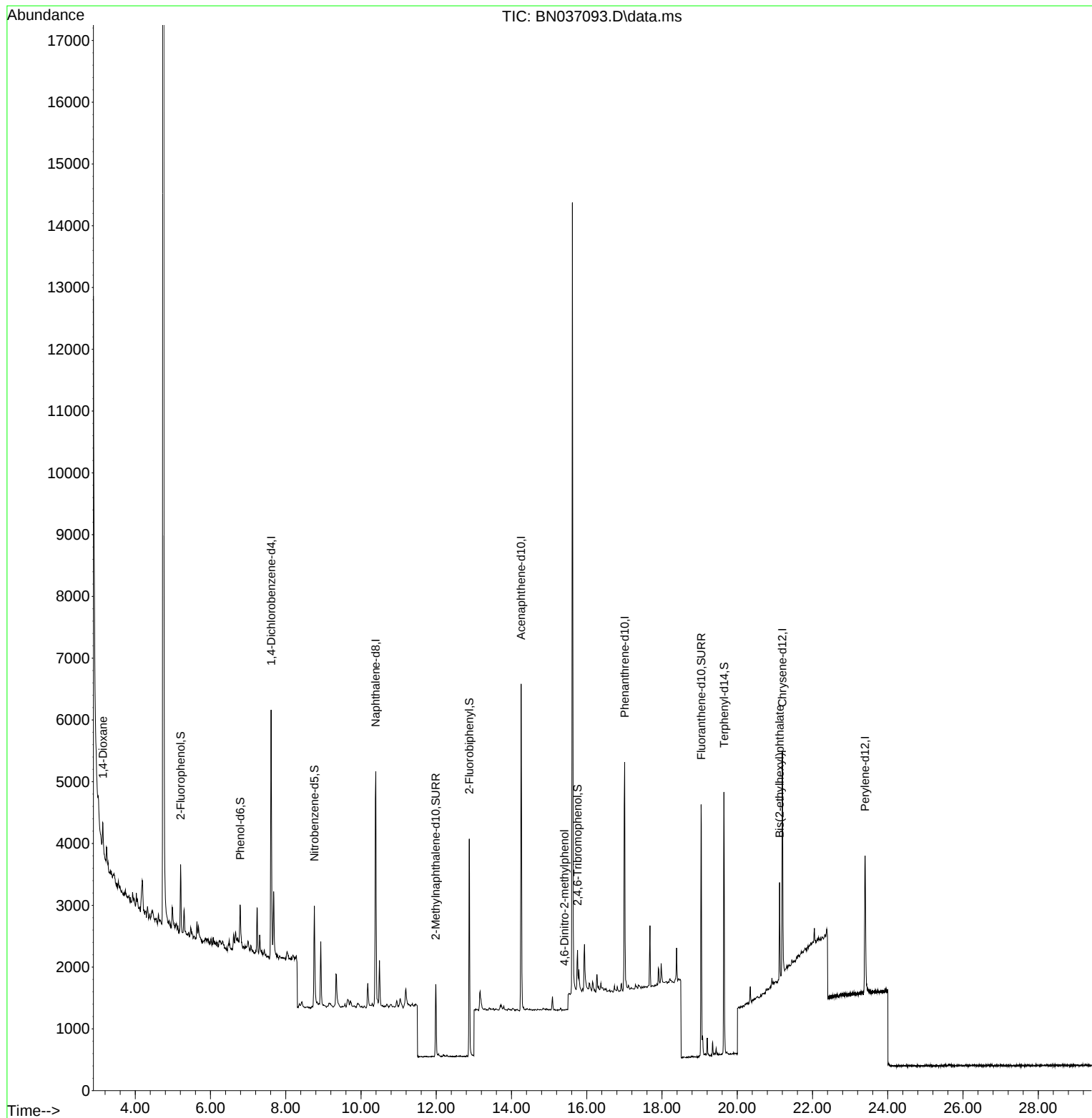
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.611  | 152  | 1854     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.394 | 136  | 4967     | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.256 | 164  | 2756     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.009 | 188  | 5252     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.197 | 240  | 3464     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.398 | 264  | 3049     | 0.400 | ng    | -0.02    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.206  | 112  | 698      | 0.144 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.788  | 99   | 542      | 0.089 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.760  | 82   | 1395     | 0.258 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 11.986 | 152  | 1686     | 0.241 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.755 | 330  | 373      | 0.308 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.878 | 172  | 3359     | 0.266 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.040 | 212  | 4582     | 0.318 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.649 | 244  | 4093     | 0.552 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.140  | 88   | 283      | 0.124 | ng    | # 1      |
| 20) 4,6-Dinitro-2-methylph... | 15.410 | 198  | 3        | 0.027 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.126 | 149  | 1414     | 0.176 | ng    | # 97     |
| -----                         |        |      |          |       |       |          |

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

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BP-VPB-182-GW-420-422

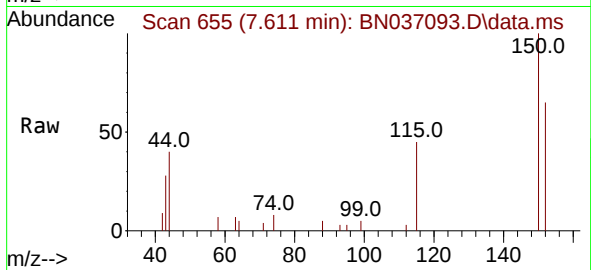
Quant Time: May 28 14:42:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN051425.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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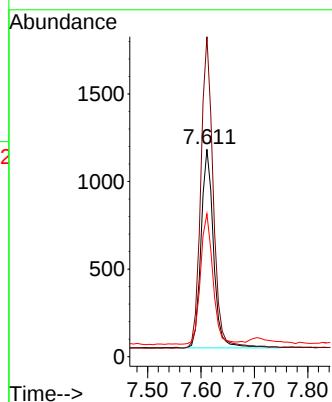
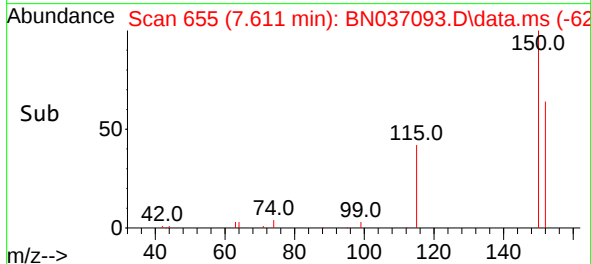


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.611 min Scan# 61  
 Delta R.T. -0.007 min  
 Lab File: BN037093.D  
 Acq: 27 May 2025 18:48

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-182-GW-420-422

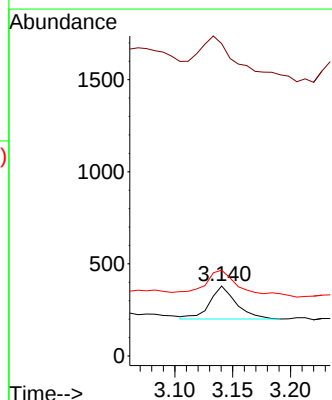
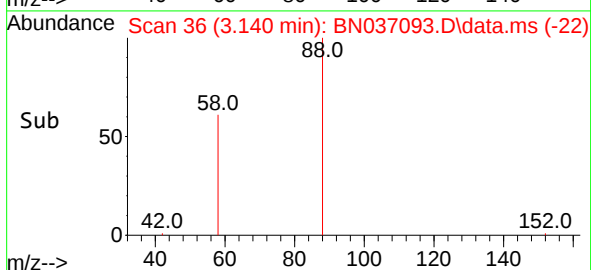
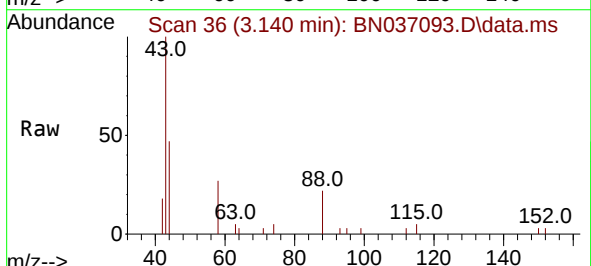


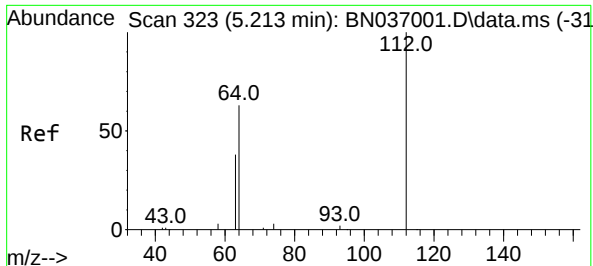
Tgt Ion:152 Resp: 1854  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 123.9 185.9  
 115 68.9 55.8 83.8



#2  
 1,4-Dioxane  
 Concen: 0.124 ng  
 RT: 3.140 min Scan# 36  
 Delta R.T. 0.000 min  
 Lab File: BN037093.D  
 Acq: 27 May 2025 18:48

Tgt Ion: 88 Resp: 283  
 Ion Ratio Lower Upper  
 88 100  
 43 223.0 37.4 56.0#  
 58 112.4 68.8 103.2#





#4

2-Fluorophenol

Concen: 0.144 ng

RT: 5.206 min Scan# 31

Delta R.T. -0.007 min

Lab File: BN037093.D

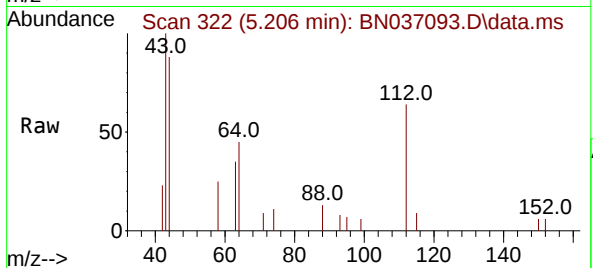
Acq: 27 May 2025 18:48

Instrument :

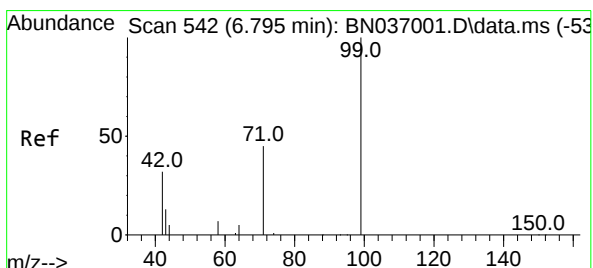
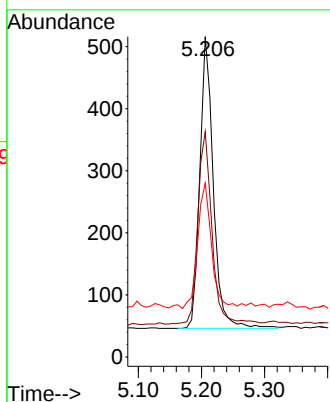
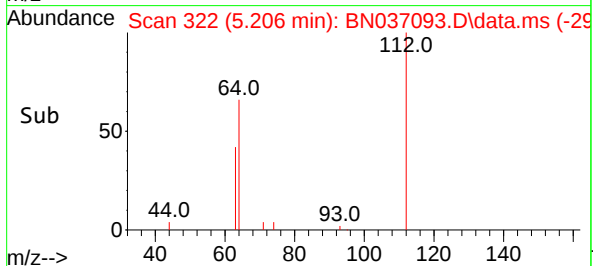
BNA\_N

ClientSampleId :

BP-VPB-182-GW-420-422



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 698   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 69.1  | 55.7  | 83.5  |
| 63       | 43.8  | 34.6  | 51.8  |



#5

Phenol-d6

Concen: 0.089 ng

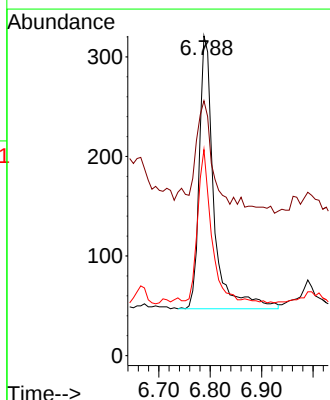
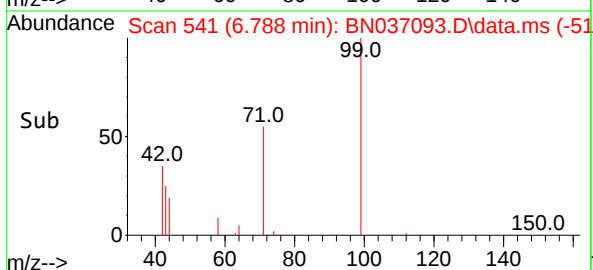
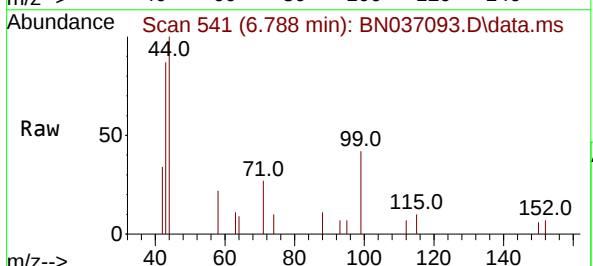
RT: 6.788 min Scan# 541

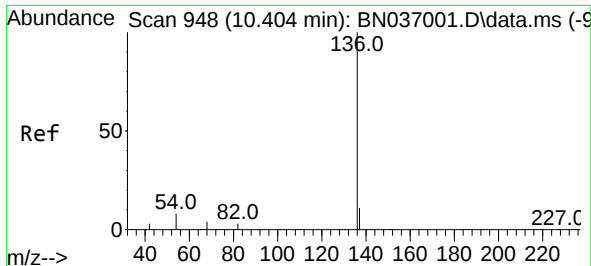
Delta R.T. -0.007 min

Lab File: BN037093.D

Acq: 27 May 2025 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 542   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 37.5  | 29.3  | 43.9  |
| 71       | 50.7  | 35.7  | 53.5  |

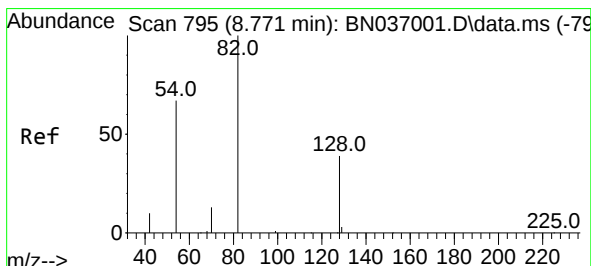
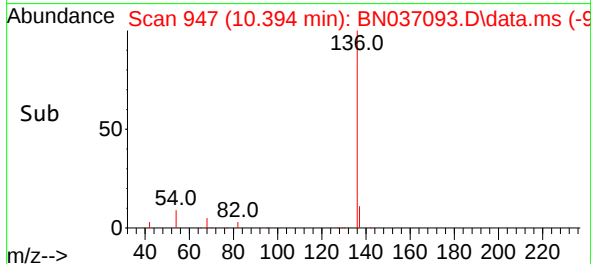
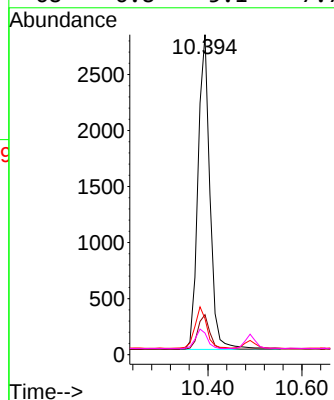
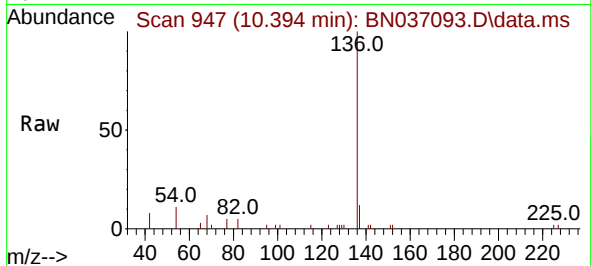




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.394 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

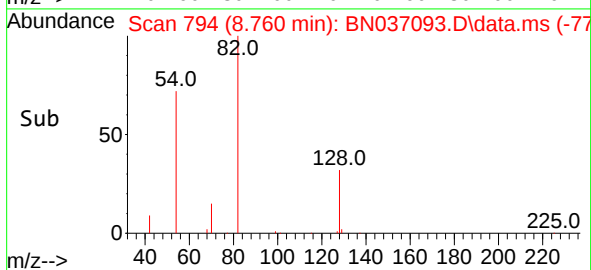
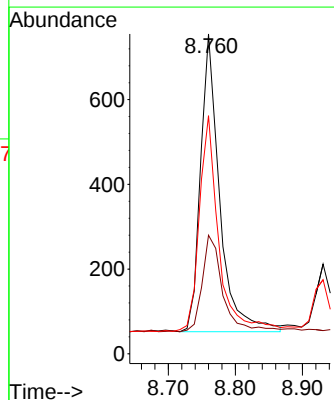
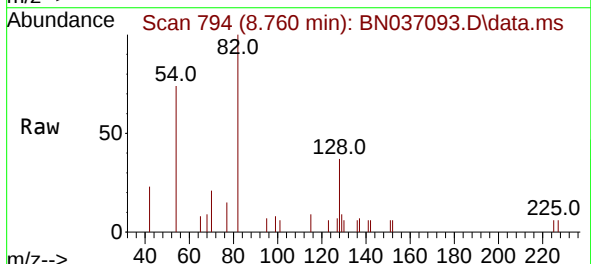
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-182-GW-420-422

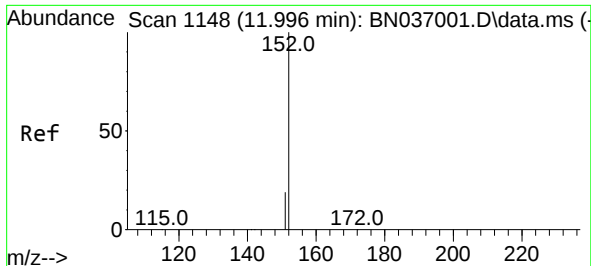
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 4967  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.5  | 10.4  | 15.6  |
| 54       | 11.2  | 8.5   | 12.7  |
| 68       | 6.8   | 5.1   | 7.7   |



#8  
Nitrobenzene-d5  
Concen: 0.258 ng  
RT: 8.760 min Scan# 794  
Delta R.T. -0.011 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1395  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 37.1  | 34.0  | 51.0  |
| 54       | 74.4  | 55.0  | 82.4  |

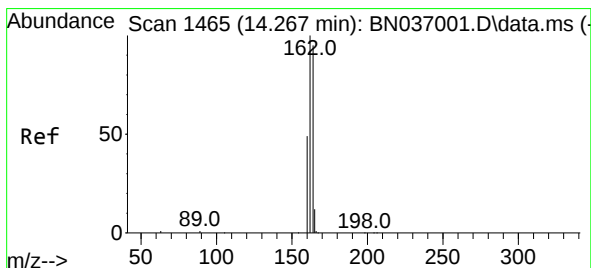
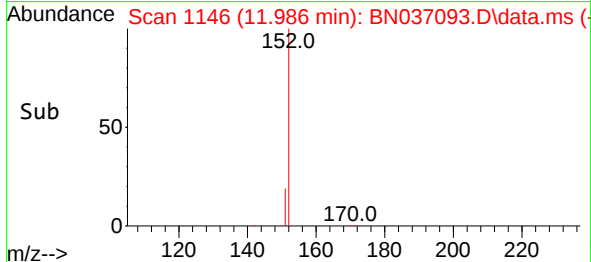
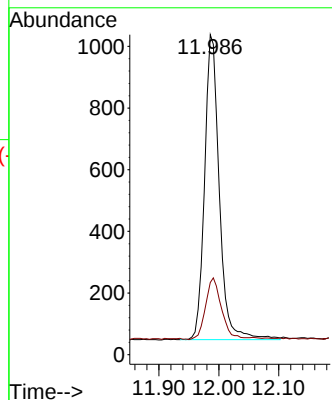
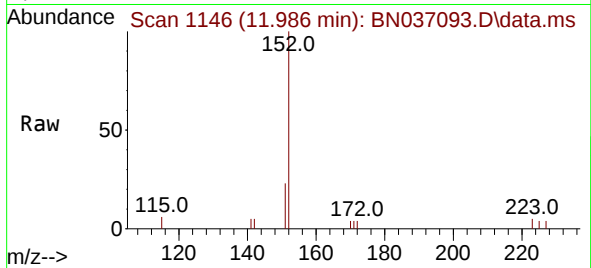




#11  
2-Methylnaphthalene-d10  
Concen: 0.241 ng  
RT: 11.986 min Scan# 1146  
Delta R.T. -0.010 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

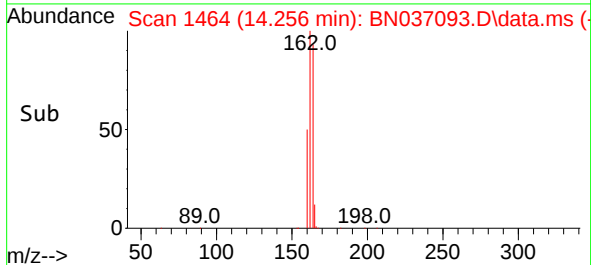
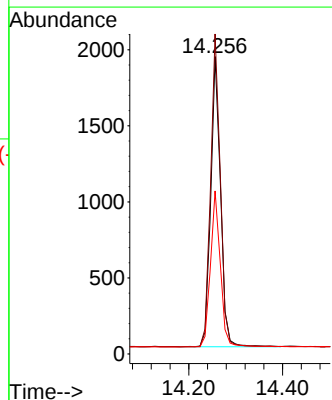
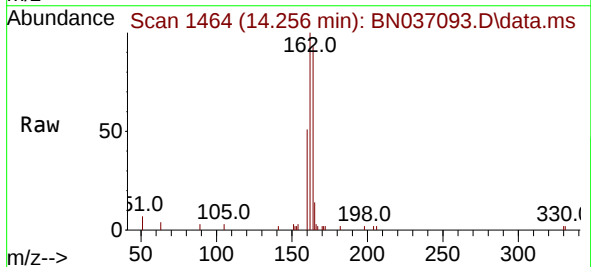
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-182-GW-420-422

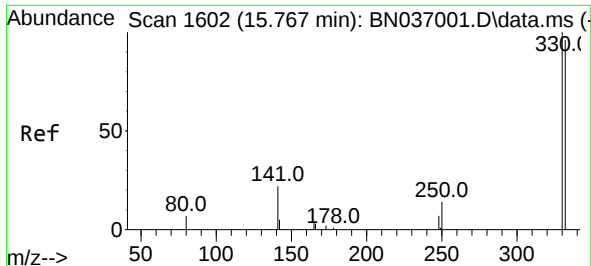
Tgt Ion:152 Resp: 1686  
Ion Ratio Lower Upper  
152 100  
151 22.0 17.5 26.3



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.256 min Scan# 1464  
Delta R.T. -0.011 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

Tgt Ion:164 Resp: 2756  
Ion Ratio Lower Upper  
164 100  
162 107.6 84.2 126.4  
160 54.8 42.6 63.8

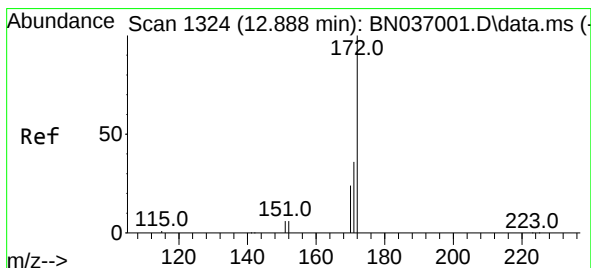
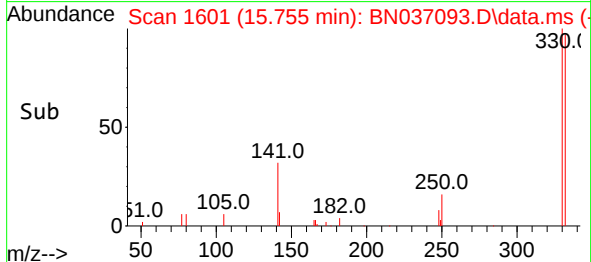
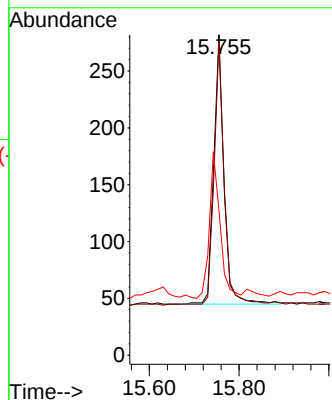
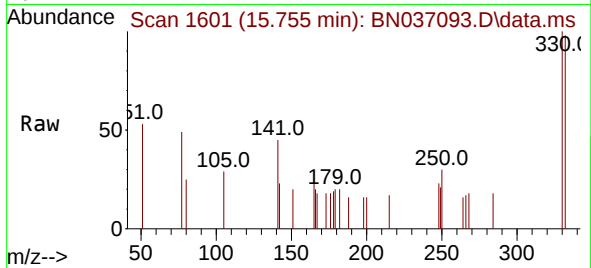




#14  
2,4,6-Tribromophenol  
Concen: 0.308 ng  
RT: 15.755 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

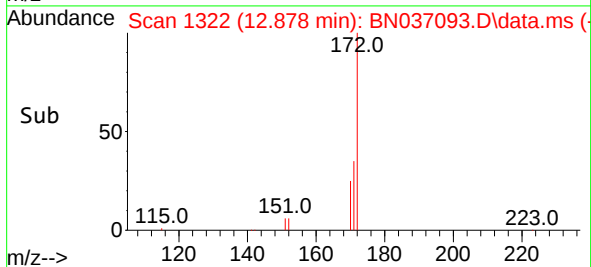
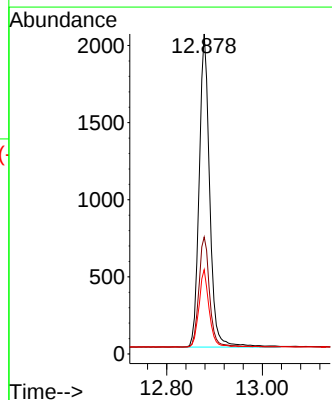
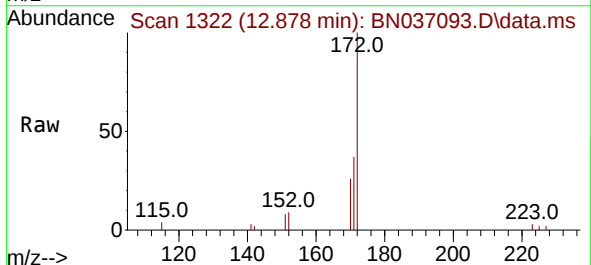
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-182-GW-420-422

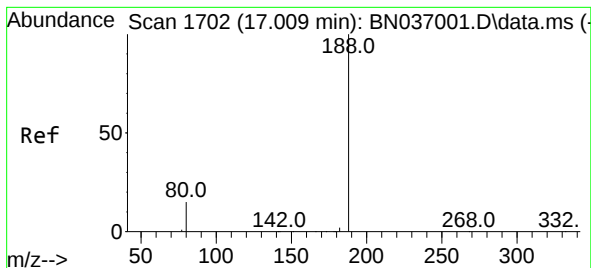
Tgt Ion:330 Resp: 373  
Ion Ratio Lower Upper  
330 100  
332 95.2 73.8 110.8  
141 57.1 43.9 65.9



#15  
2-Fluorobiphenyl  
Concen: 0.266 ng  
RT: 12.878 min Scan# 1322  
Delta R.T. -0.010 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

Tgt Ion:172 Resp: 3359  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.2 43.8  
170 26.4 20.5 30.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037093.D

Acq: 27 May 2025 18:48

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-182-GW-420-422

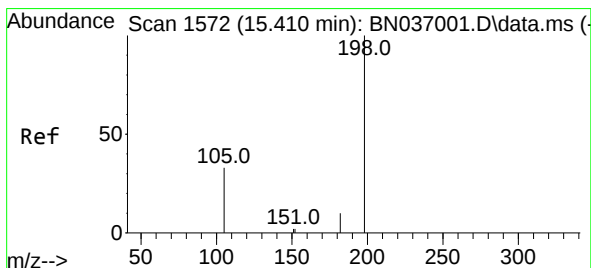
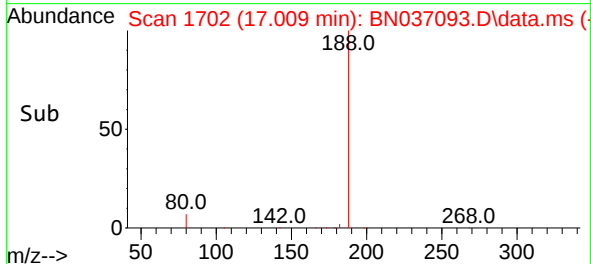
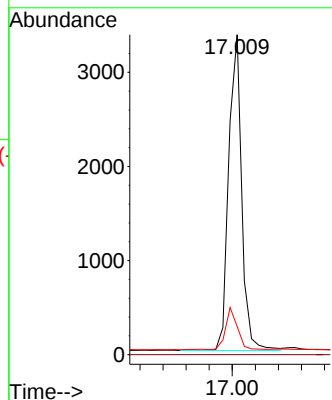
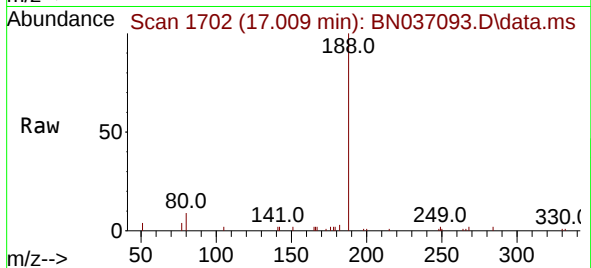
Tgt Ion:188 Resp: 5252

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.8 13.4 20.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.027 ng

RT: 15.410 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BN037093.D

Acq: 27 May 2025 18:48

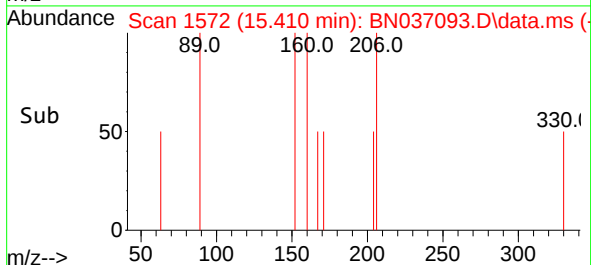
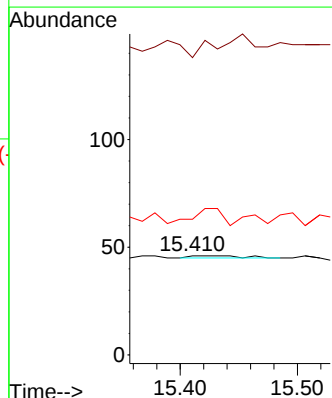
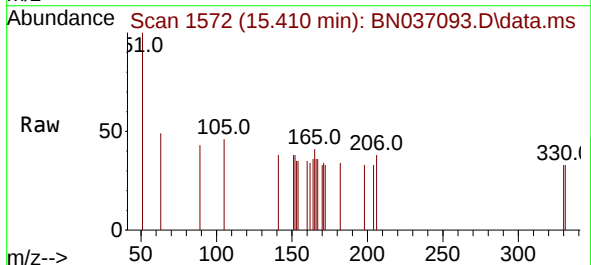
Tgt Ion:198 Resp: 3

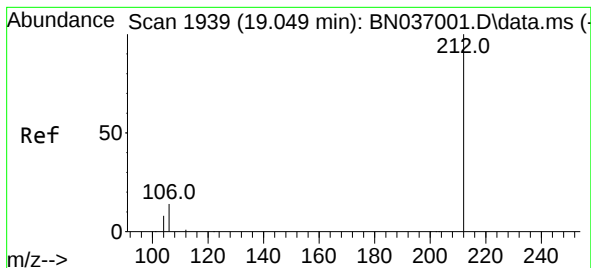
Ion Ratio Lower Upper

198 100

51 300.0 87.8 131.6#

105 137.0 44.2 66.4#





#27

Fluoranthene-d10

Concen: 0.318 ng

RT: 19.040 min Scan# 1937

Delta R.T. -0.009 min

Lab File: BN037093.D

Acq: 27 May 2025 18:48

Instrument :

BNA\_N

ClientSampleId :

BP-VPB-182-GW-420-422

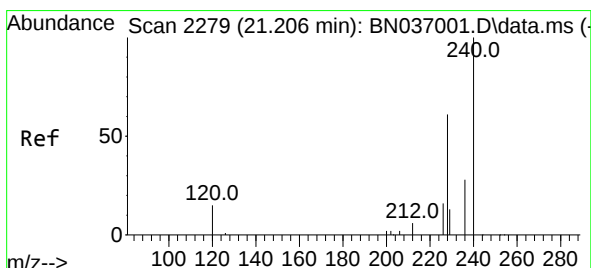
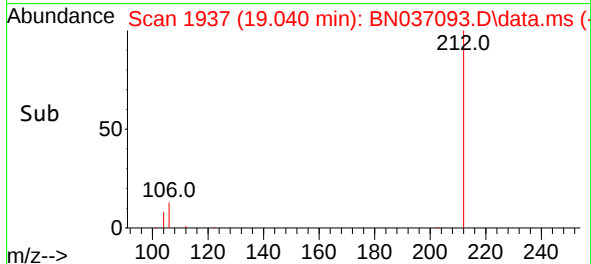
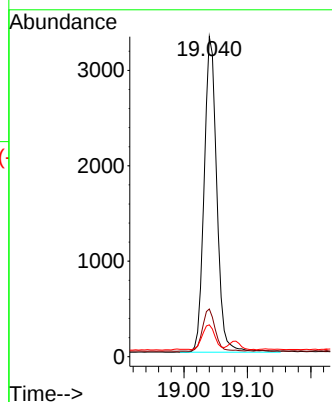
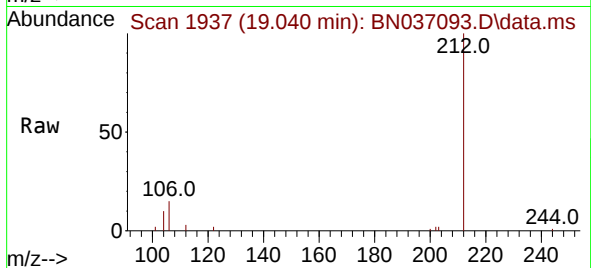
Tgt Ion:212 Resp: 4582

Ion Ratio Lower Upper

212 100

106 13.5 11.3 16.9

104 8.1 6.7 10.1



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.197 min Scan# 2278

Delta R.T. -0.009 min

Lab File: BN037093.D

Acq: 27 May 2025 18:48

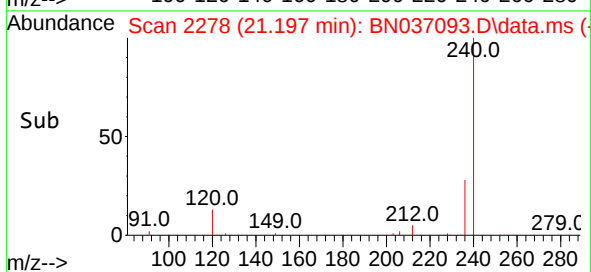
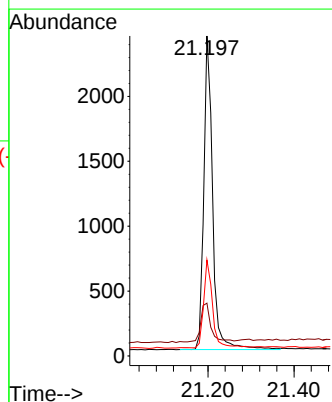
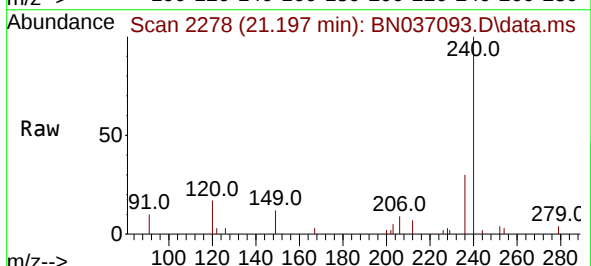
Tgt Ion:240 Resp: 3464

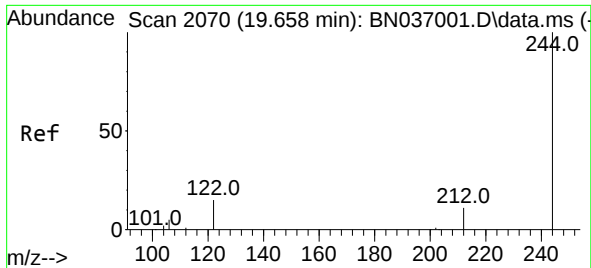
Ion Ratio Lower Upper

240 100

120 16.5 15.1 22.7

236 30.0 24.0 36.0

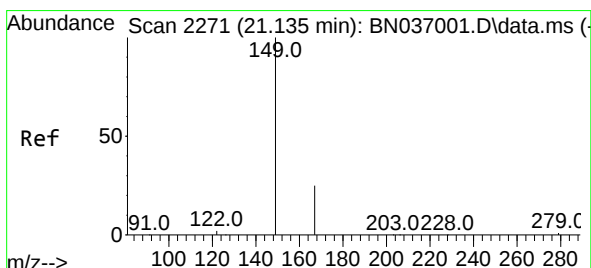
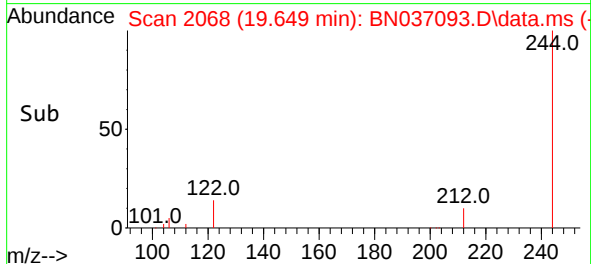
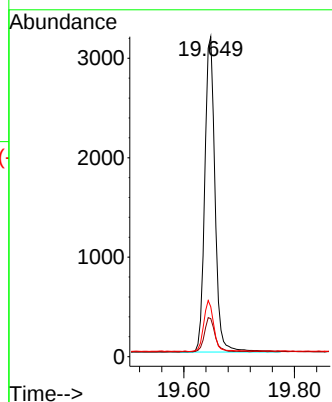
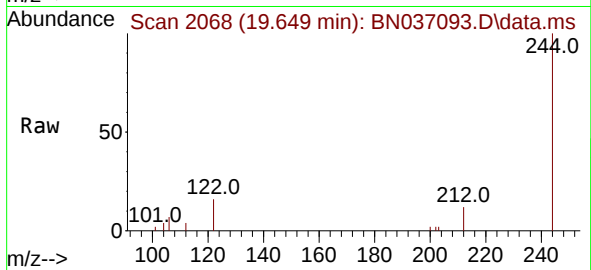




#31  
Terphenyl-d14  
Concen: 0.552 ng  
RT: 19.649 min Scan# 2070  
Delta R.T. -0.009 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

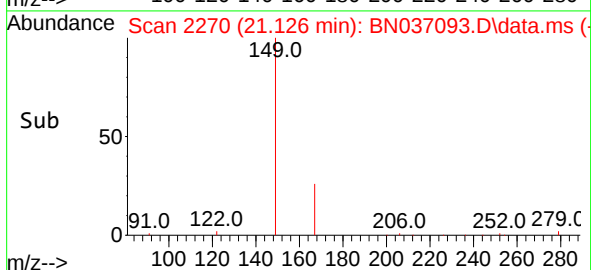
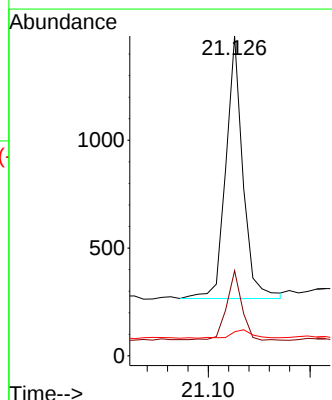
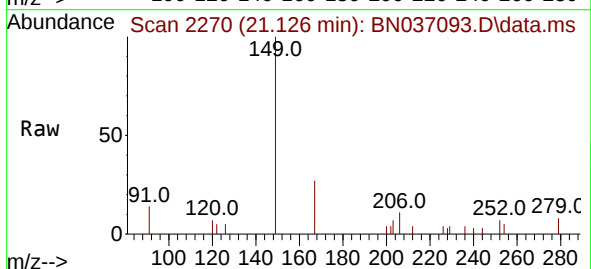
Instrument :  
BNA\_N  
ClientSampleId :  
BP-VPB-182-GW-420-422

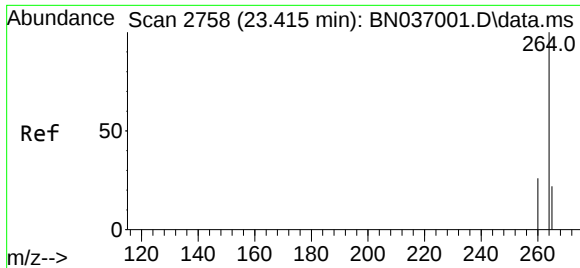
Tgt Ion:244 Resp: 4093  
Ion Ratio Lower Upper  
244 100  
212 11.9 9.7 14.5  
122 15.6 13.4 20.0



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.176 ng  
RT: 21.126 min Scan# 2270  
Delta R.T. -0.009 min  
Lab File: BN037093.D  
Acq: 27 May 2025 18:48

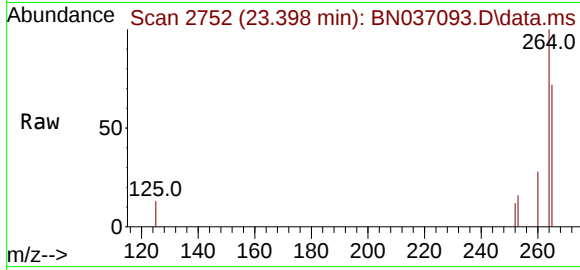
Tgt Ion:149 Resp: 1414  
Ion Ratio Lower Upper  
149 100  
167 24.0 20.6 30.8  
279 3.9 2.6 3.8#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.398 min Scan# 21  
 Delta R.T. -0.018 min  
 Lab File: BN037093.D  
 Acq: 27 May 2025 18:48

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-VPB-182-GW-420-422



Tgt Ion:264 Resp: 3049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 28.0  | 21.9  | 32.9  |
| 265 | 72.3  | 51.6  | 77.4  |

