

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143446.D
 Acq On : 19 Aug 2025 10:05
 Operator : RC/JU
 Sample : PB169285BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169285BL

Quant Time: Aug 19 12:03:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

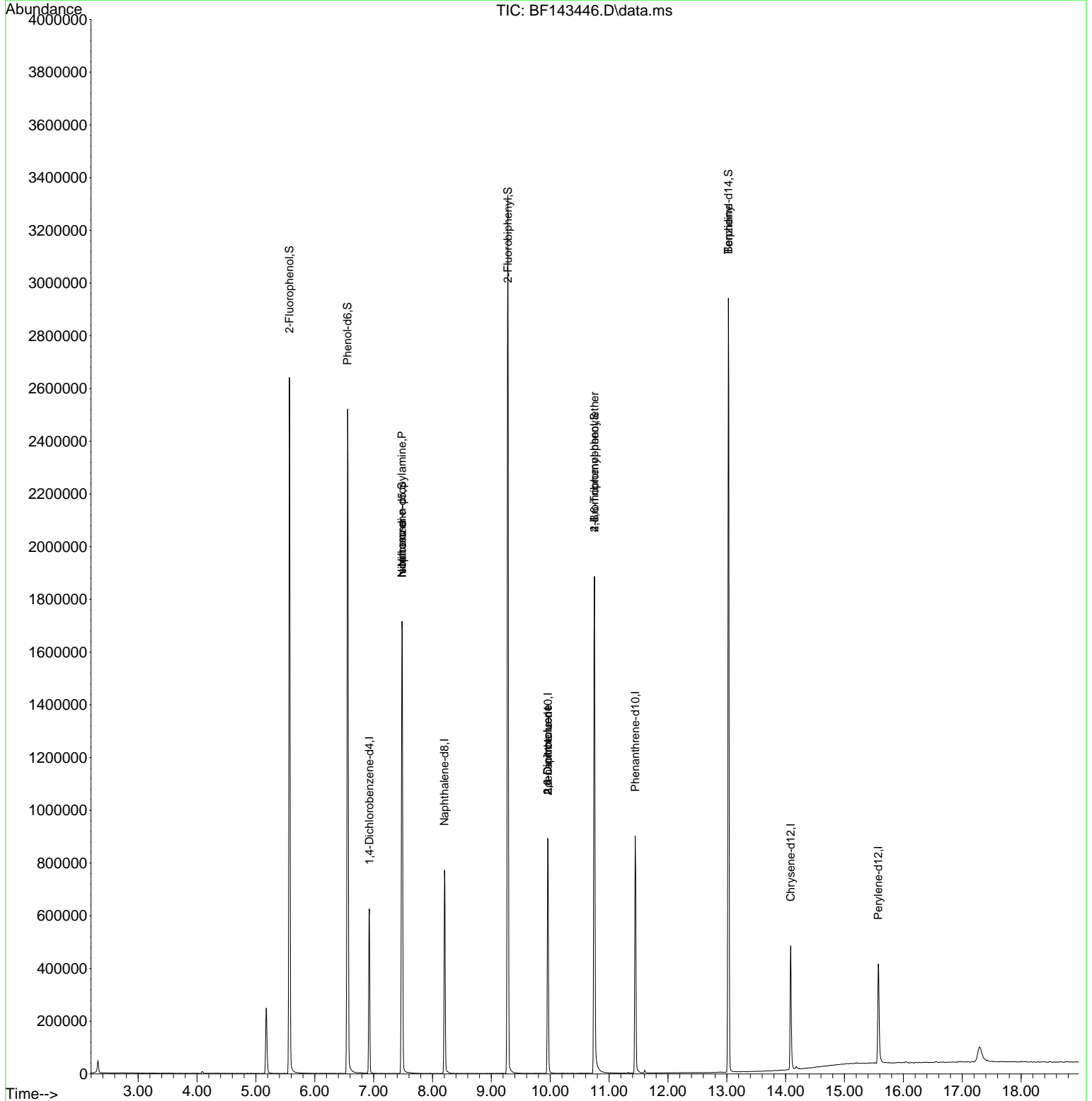
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.928 | 152 | 133029 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.204 | 136 | 514311 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.963 | 164 | 286595 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.445 | 188 | 476673 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.086 | 240 | 249909 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.574 | 264 | 256798 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.569 | 112 | 988220 | 129.133 | ng | 0.01 |
| 7) Phenol-d6 | 6.557 | 99 | 1234802 | 128.036 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.481 | 82 | 828324 | 95.568 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.751 | 330 | 356155 | 139.619 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.281 | 172 | 1530513 | 89.824 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.027 | 244 | 1467739 | 98.660 | ng | 0.00 |
| Target Compounds | | | | | | |
| 19) n-Nitroso-di-n-propyla... | 7.481 | 70 | 110722 | 18.545 | ng | # 77 |
| 25) Isophorone | 7.481 | 82 | 819068 | 49.375 | ng | # 65 |
| 51) 2,6-Dinitrotoluene | 9.957 | 165 | 37054 | 10.520 | ng | # 23 |
| 57) 2,4-Dinitrotoluene | 9.957 | 165 | 37054 | 7.890 | ng | # 24 |
| 67) 4-Bromophenyl-phenylether | 10.751 | 248 | 22996 | 4.085 | ng | # 1 |
| 77) Benzidine | 13.027 | 184 | 17998 | 2.412 | ng | # 95 |

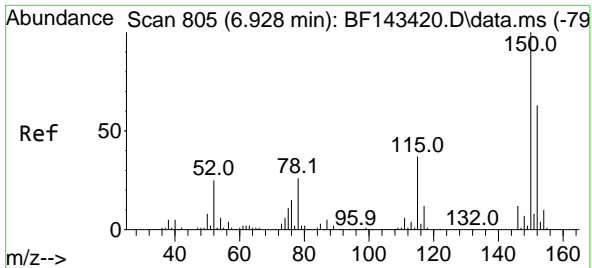
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169285BL

Quant Time: Aug 19 12:03:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

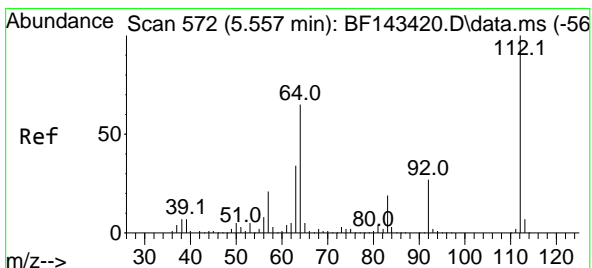
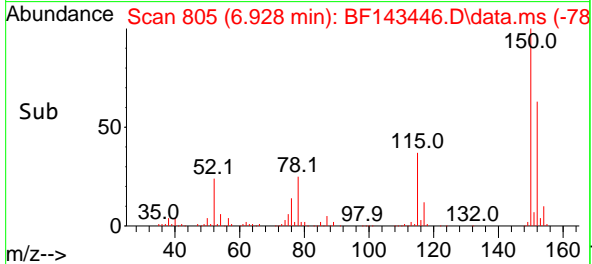
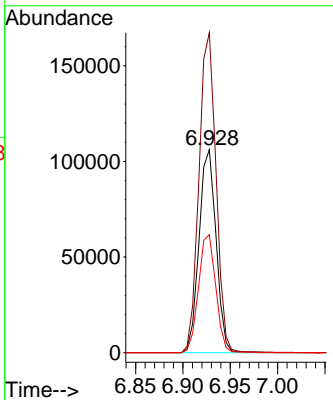
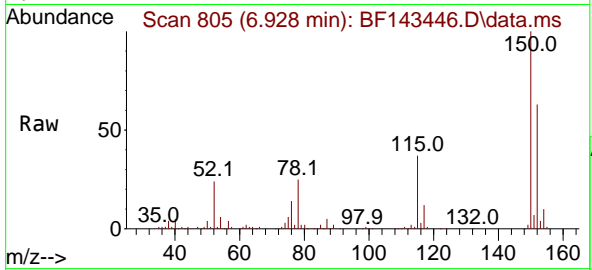




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

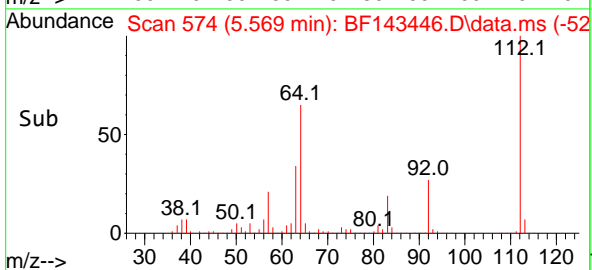
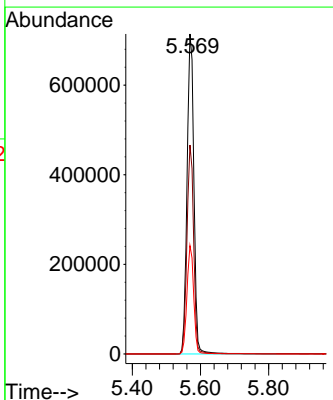
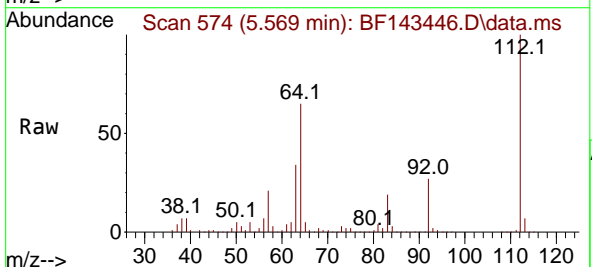
Instrument :
 BNA_F
 ClientSampleId :
 PB169285BL

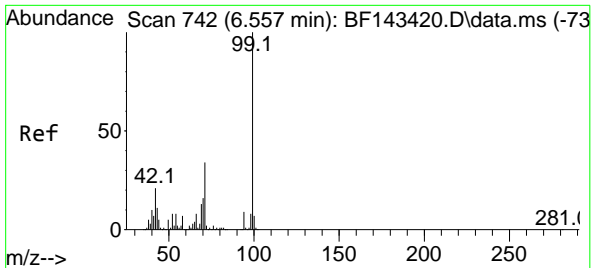
Tgt Ion:152 Resp: 133029
 Ion Ratio Lower Upper
 152 100
 150 157.6 127.4 191.2
 115 58.2 47.5 71.3



#5
 2-Fluorophenol
 Concen: 129.133 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.012 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

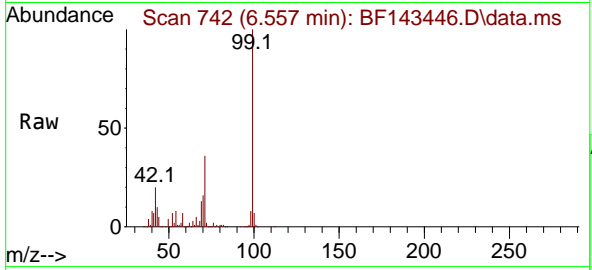
Tgt Ion:112 Resp: 988220
 Ion Ratio Lower Upper
 112 100
 64 65.3 52.2 78.2
 63 33.9 27.0 40.6



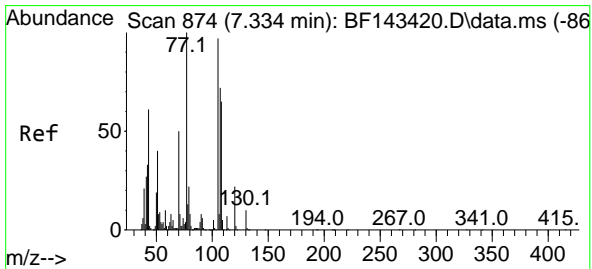
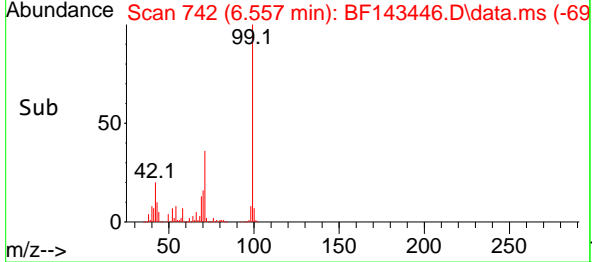
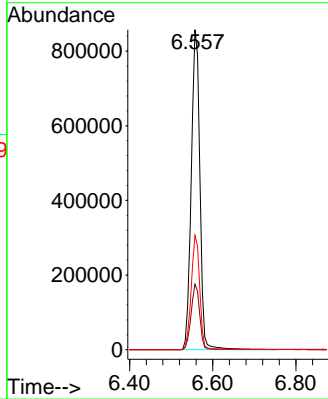


#7
 Phenol-d6
 Concen: 128.036 ng
 RT: 6.557 min Scan# 742
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

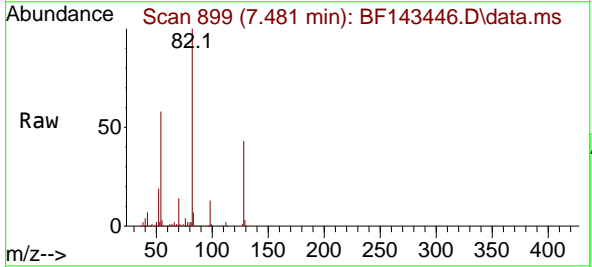
Instrument :
 BNA_F
 ClientSampleId :
 PB169285BL



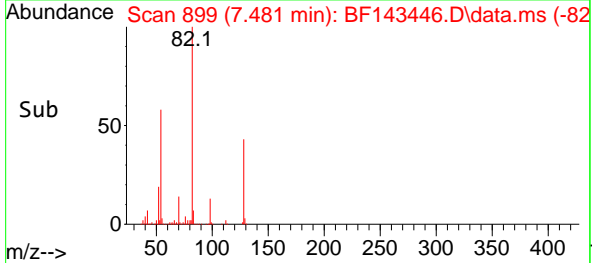
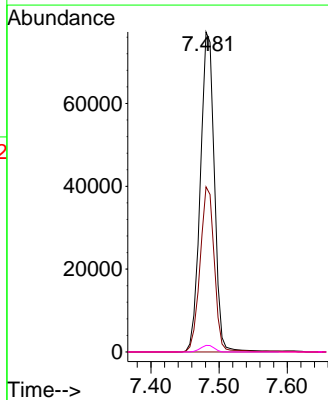
Tgt Ion: 99 Resp: 1234802
 Ion Ratio Lower Upper
 99 100
 42 20.5 17.0 25.6
 71 35.7 27.4 41.2

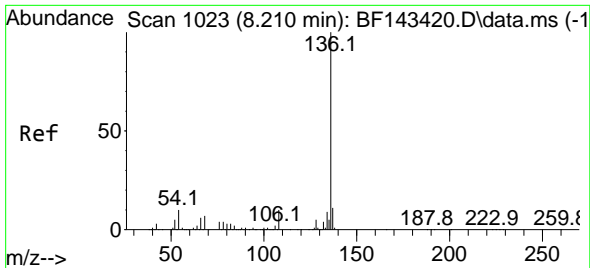


#19
 n-Nitroso-di-n-propylamine
 Concen: 18.545 ng
 RT: 7.481 min Scan# 899
 Delta R.T. 0.147 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05



Tgt Ion: 70 Resp: 110722
 Ion Ratio Lower Upper
 70 100
 42 51.6 52.5 78.7#
 101 0.0 7.9 11.9#
 130 2.1 16.0 24.0#



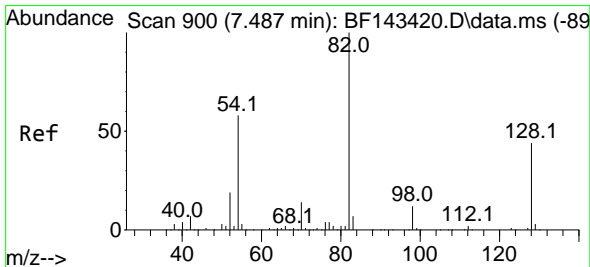
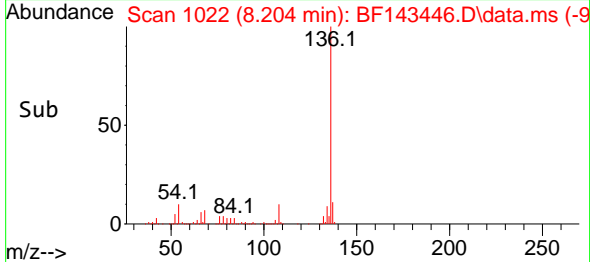
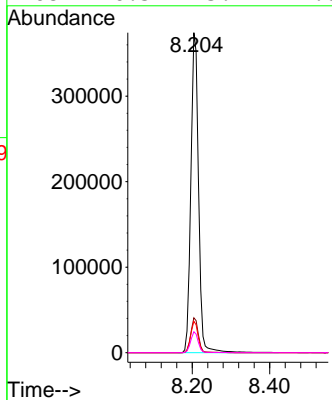
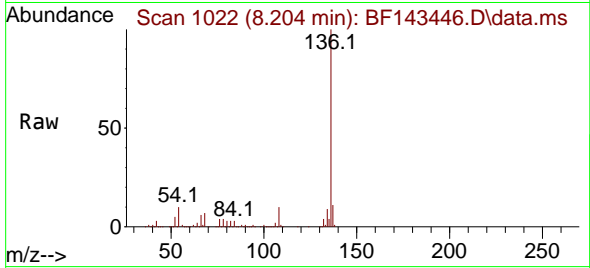


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.204 min Scan# 1022
 Delta R.T. -0.006 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Instrument : BNA_F
 ClientSampleId : PB169285BL

Tgt Ion:136 Resp: 514311

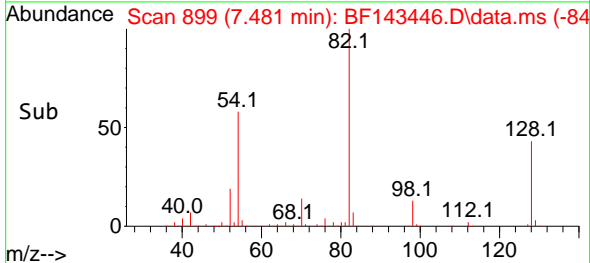
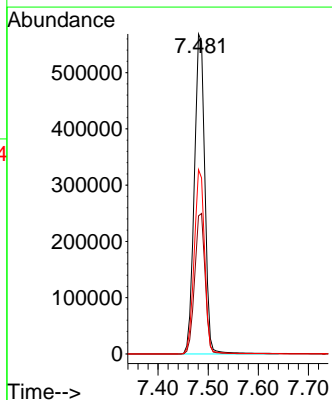
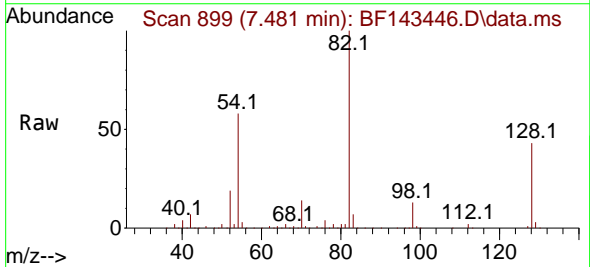
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100 | | |
| 137 | 10.9 | 8.8 | 13.2 |
| 54 | 9.8 | 7.8 | 11.8 |
| 68 | 6.5 | 5.2 | 7.8 |

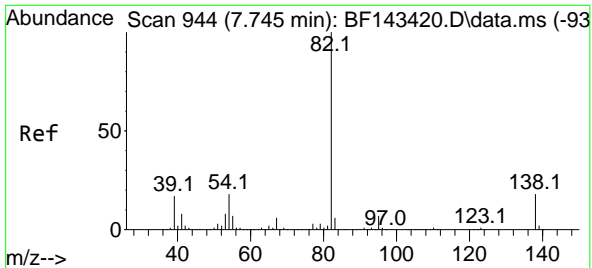


#23
 Nitrobenzene-d5
 Concen: 95.568 ng
 RT: 7.481 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Tgt Ion: 82 Resp: 828324

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82 | 100 | | |
| 128 | 43.2 | 34.6 | 52.0 |
| 54 | 57.6 | 46.0 | 69.0 |

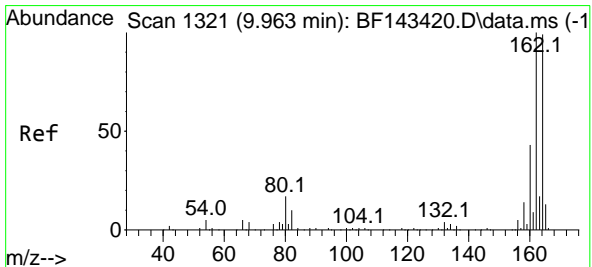
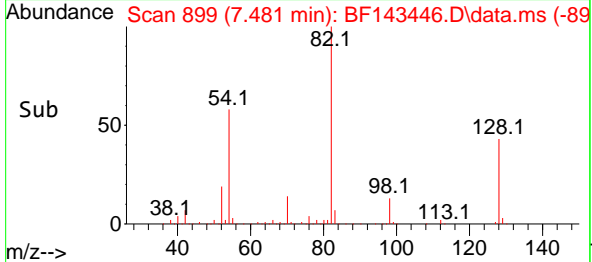
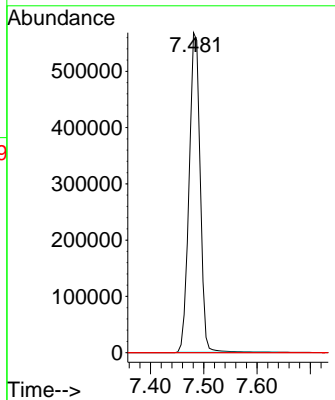
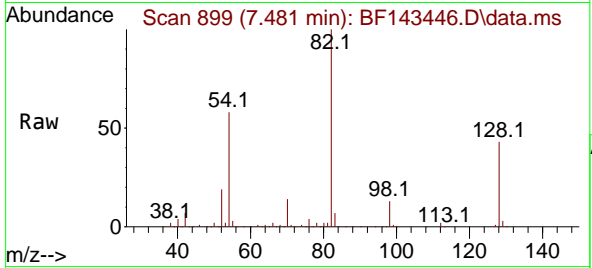




#25
 Isophorone
 Concen: 49.375 ng
 RT: 7.481 min Scan# 899
 Delta R.T. -0.265 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

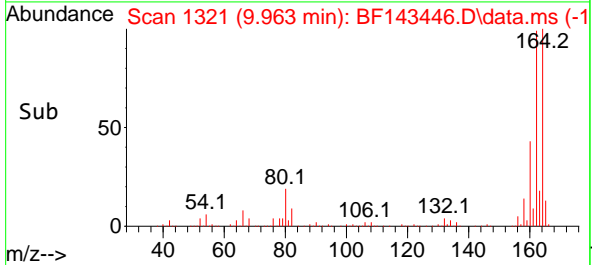
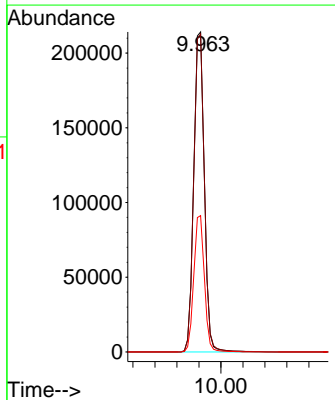
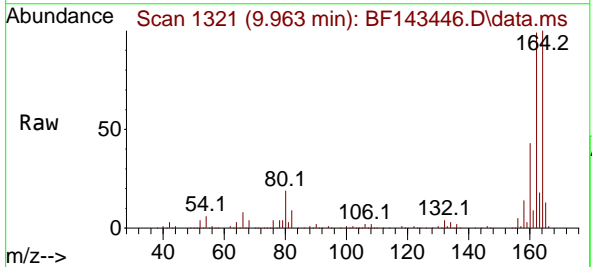
Instrument : BNA_F
 Client Sample Id : PB169285BL

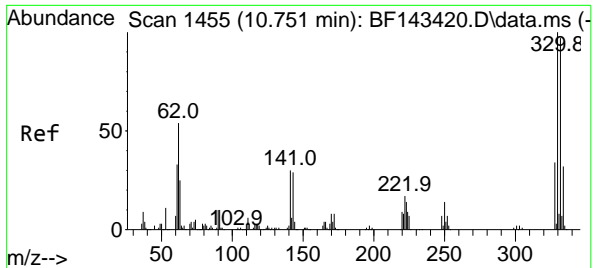
Tgt Ion: 82 Resp: 819068
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.3 21.5#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.963 min Scan# 1321
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Tgt Ion:164 Resp: 286595
 Ion Ratio Lower Upper
 164 100
 162 99.4 80.6 121.0
 160 42.6 34.6 51.8



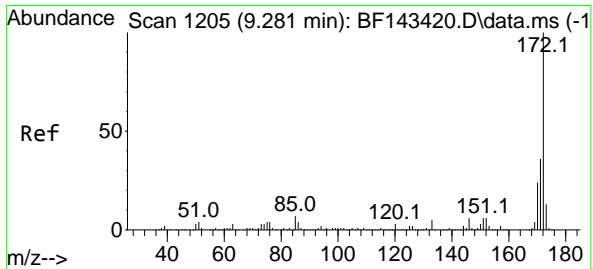
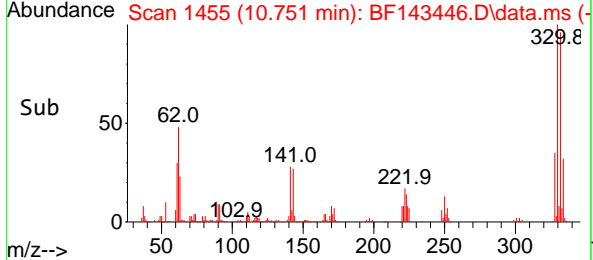
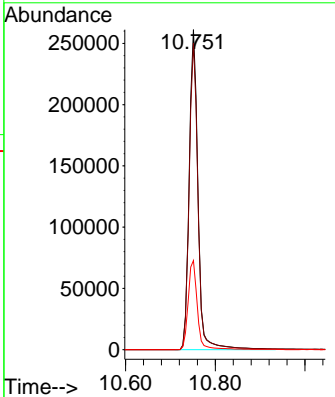
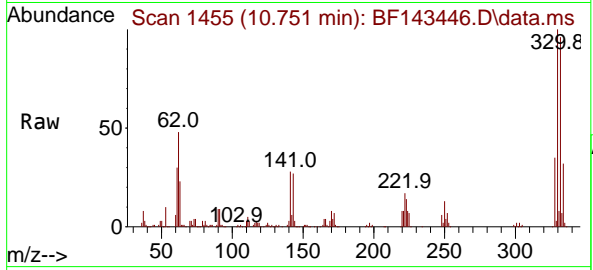


#42
 2,4,6-Tribromophenol
 Concen: 139.619 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Instrument : BNA_F
 ClientSampleId : PB169285BL

Tgt Ion: 330 Resp: 356155

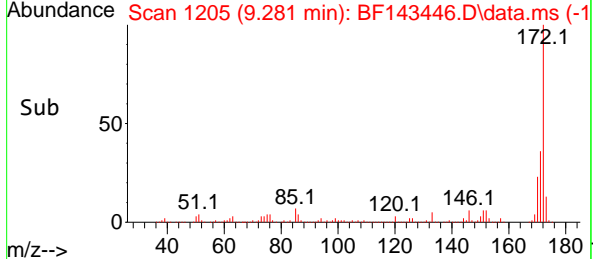
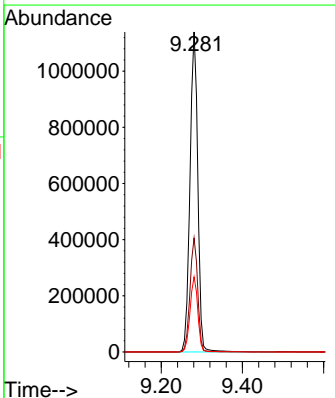
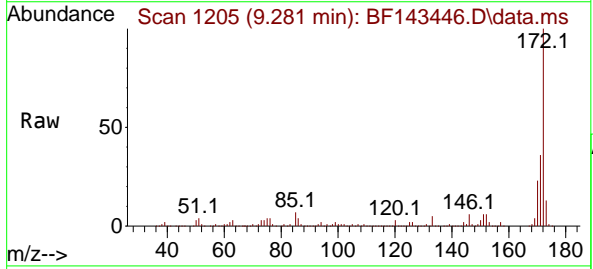
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100 | | |
| 332 | 96.7 | 77.4 | 116.2 |
| 141 | 29.5 | 24.1 | 36.1 |

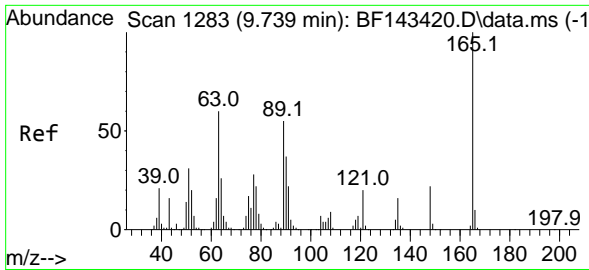


#45
 2-Fluorobiphenyl
 Concen: 89.824 ng
 RT: 9.281 min Scan# 1205
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Tgt Ion: 172 Resp: 1530513

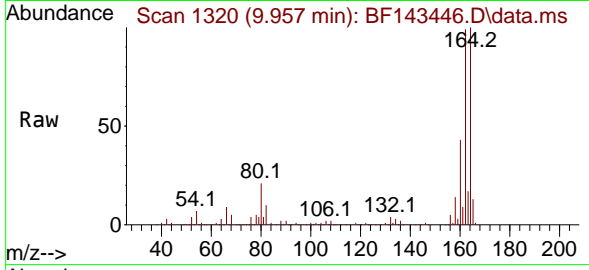
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100 | | |
| 171 | 35.6 | 28.7 | 43.1 |
| 170 | 23.5 | 19.0 | 28.6 |



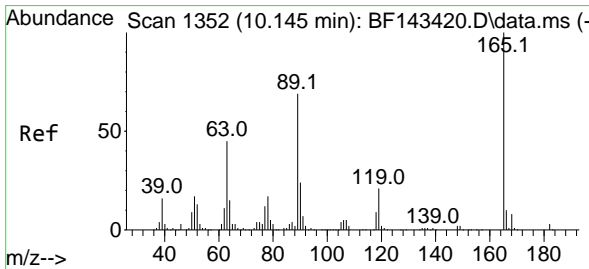
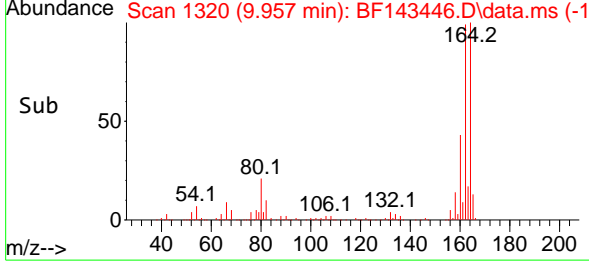
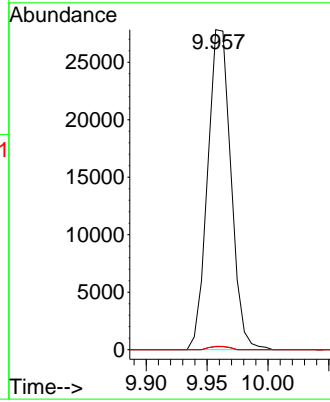


#51
 2,6-Dinitrotoluene
 Concen: 10.520 ng
 RT: 9.957 min Scan# 11
 Delta R.T. 0.218 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Instrument :
 BNA_F
 ClientSampleId :
 PB169285BL

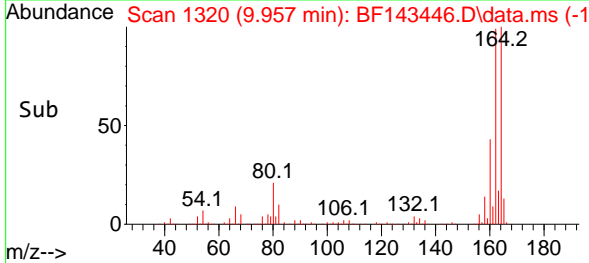
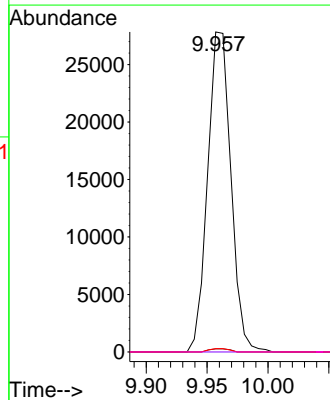
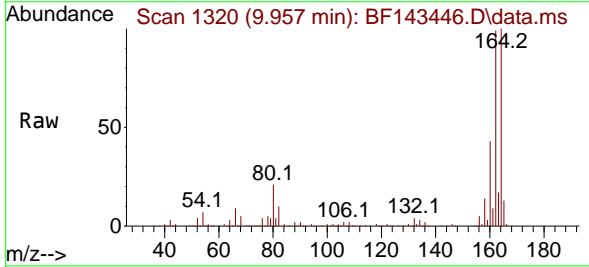


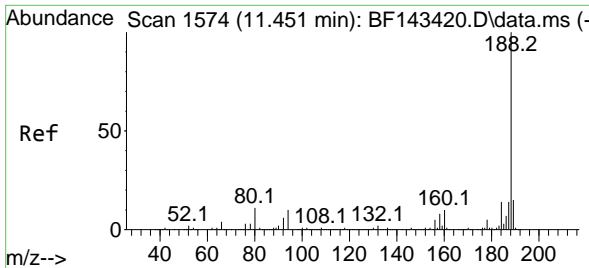
Tgt Ion:165 Resp: 37054
 Ion Ratio Lower Upper
 165 100
 63 0.9 48.2 72.2#
 89 1.0 44.2 66.2#



#57
 2,4-Dinitrotoluene
 Concen: 7.890 ng
 RT: 9.957 min Scan# 1320
 Delta R.T. -0.188 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Tgt Ion:165 Resp: 37054
 Ion Ratio Lower Upper
 165 100
 63 0.9 37.0 55.6#
 89 1.0 55.4 83.0#
 182 0.0 2.3 3.5#

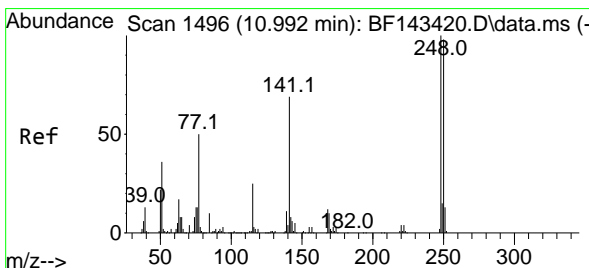
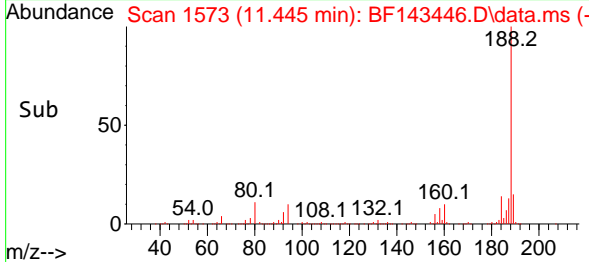
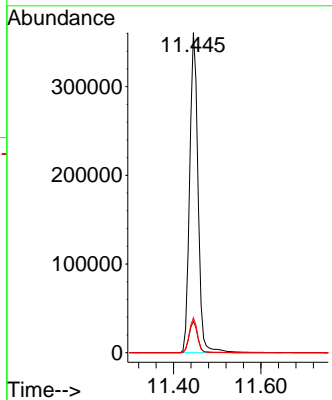
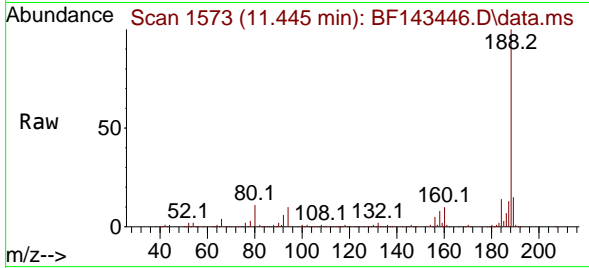




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

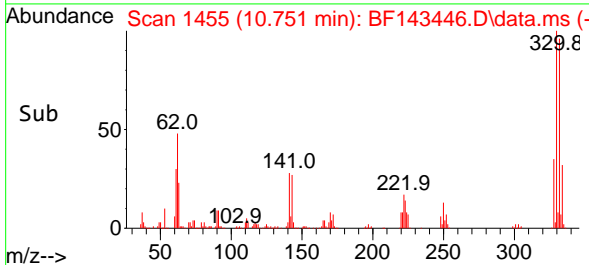
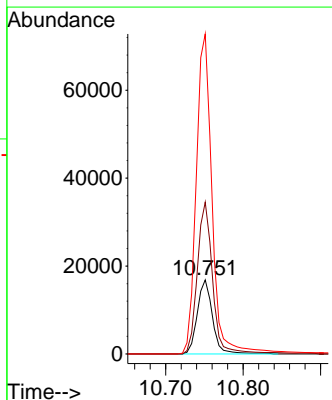
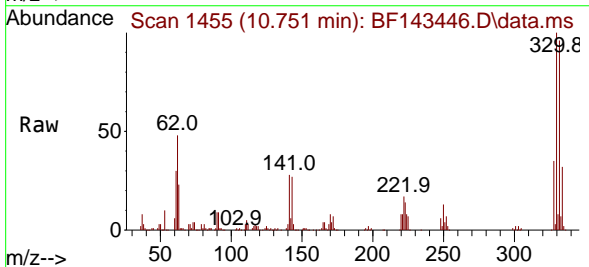
Instrument :
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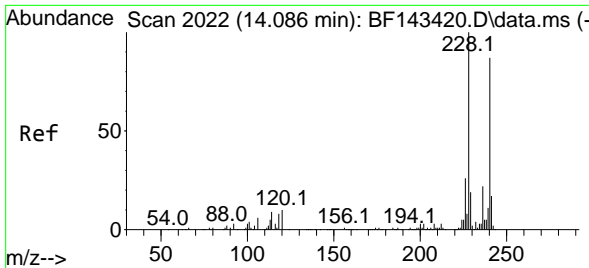
Tgt Ion:188 Resp: 476673
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.0 12.0
 80 10.9 8.6 12.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.085 ng
 RT: 10.751 min Scan# 1455
 Delta R.T. -0.241 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Tgt Ion:248 Resp: 22996
 Ion Ratio Lower Upper
 248 100
 250 205.0 78.6 118.0#
 141 431.9 54.9 82.3#

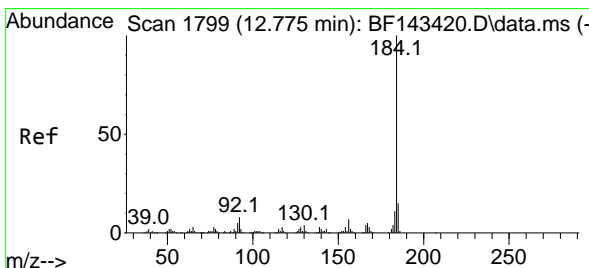
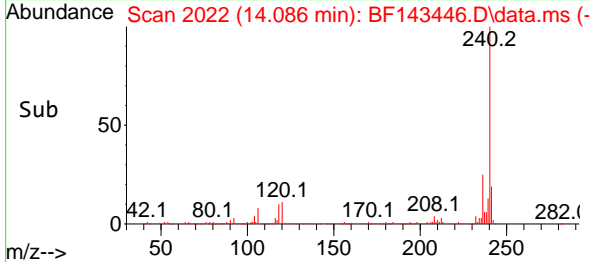
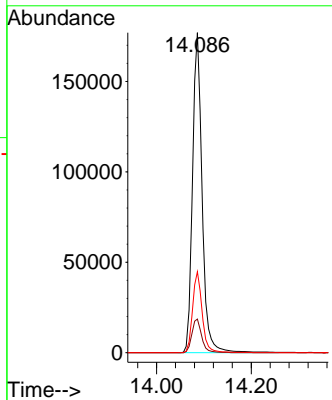
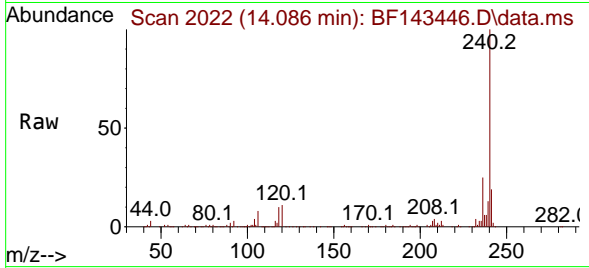




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.086 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

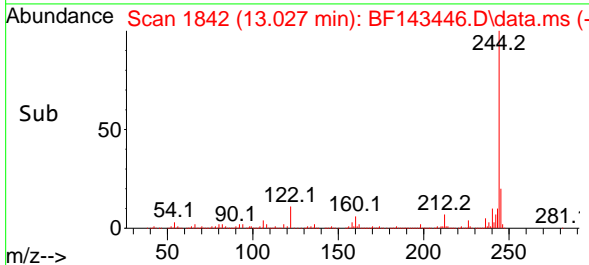
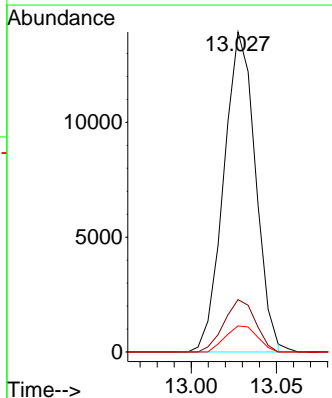
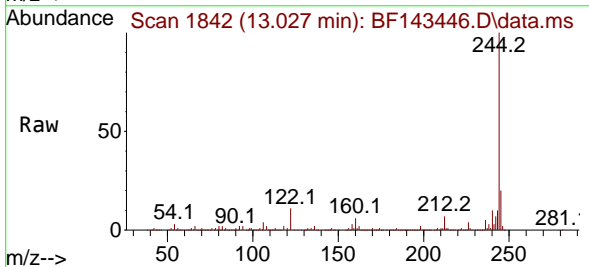
Instrument :
 BNA_F
 ClientSampleId :
 PB169285BL

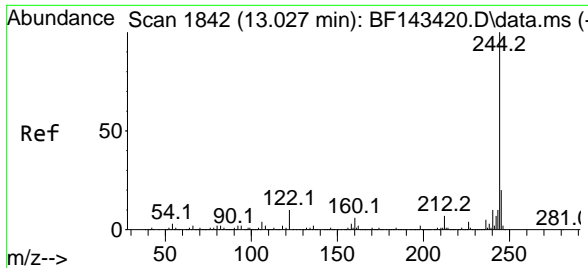
Tgt Ion:240 Resp: 249909
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.0 13.4
 236 25.3 20.2 30.2



#77
 Benzidine
 Concen: 2.412 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. 0.252 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

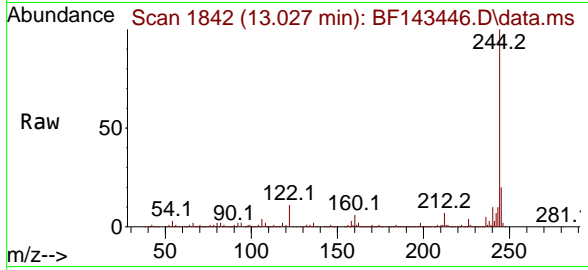
Tgt Ion:184 Resp: 17998
 Ion Ratio Lower Upper
 184 100
 185 16.4 12.2 18.2
 183 8.1 9.2 13.8#





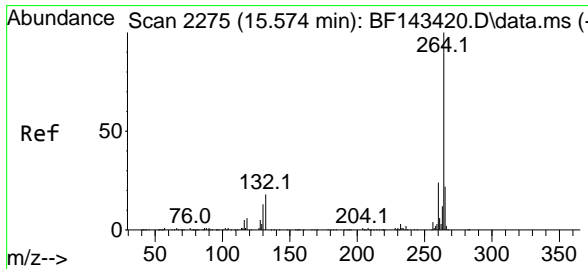
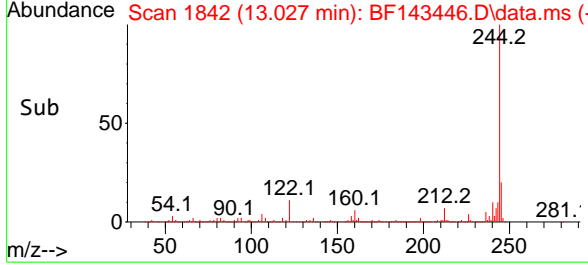
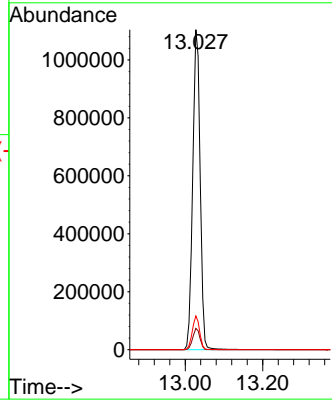
#79
 Terphenyl-d14
 Concen: 98.660 ng
 RT: 13.027 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05

Instrument : BNA_F
 ClientSampleId : PB169285BL

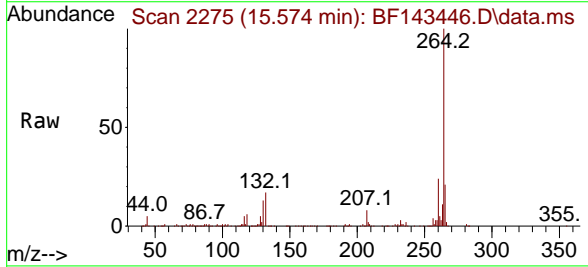


Tgt Ion:244 Resp: 1467739

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100 | | |
| 212 | 6.6 | 5.2 | 7.8 |
| 122 | 10.5 | 8.3 | 12.5 |



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 2275
 Delta R.T. -0.000 min
 Lab File: BF143446.D
 Acq: 19 Aug 2025 10:05



Tgt Ion:264 Resp: 256798

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100 | | |
| 260 | 23.5 | 18.8 | 28.2 |
| 265 | 21.5 | 17.4 | 26.0 |

